

COLONIAL GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

STATISTICAL SUMMARY
OF THE
MINERAL INDUSTRY

PRODUCTION, IMPORTS AND EXPORTS

1944-1950



LONDON: HIS MAJESTY'S STATIONERY OFFICE

1952

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STATISTICAL SUMMARY OF THE MINERAL INDUSTRY
(PRODUCTION, IMPORTS AND EXPORTS) 1944 - 1950

Errata

Page 105, French West Africa :

1949— *for* 51,103 *carats read* 255,515

1950— *for* 51,486 *carats read* 77,430

Page 221, Aden — *for* 3,720,861 *read* 2,720,861

LONDON : HIS MAJESTY'S STATIONERY OFFICE : 1952

COLONIAL GEOLOGICAL SURVEYS

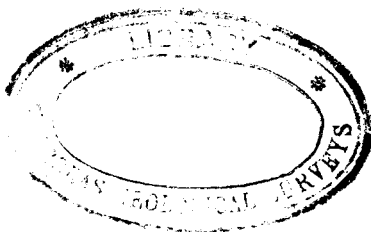
MINERAL RESOURCES DIVISION

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STATISTICAL SUMMARY OF THE MINERAL INDUSTRY

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LONDON: HIS MAJESTY'S STATIONERY OFFICE

1952

48

This publication continues under a slightly different title the well-known series of Statistical Summaries formerly published for the Imperial Institute under the title of "The Mineral Industry of the British Empire and Foreign Countries." It is now prepared by the Statistical Section of the Mineral Resources Division of Colonial Geological Surveys which was transferred from the Imperial Institute to the Colonial Office in April, 1949.

The format and arrangement of contents of the Summary have not been altered, and, as in the case of the previous post-war issues, the statistics cover a seven-year period.

All communications should be addressed to :—

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EXPLANATORY NOTES

(1) Although the statistics in this volume attempt to cover the world, it has not been possible to give complete information for some countries, especially those of eastern Europe, but in order that world totals may be arrived at, estimates for such countries have been included.

(2) In the sections on copper, lead and zinc, tables are given showing production of both ore and metal. The ore tables give the estimated metal content of ore produced. In some cases this figure has been obtained by the use of an average assay value, in others it represents the amount of metal actually recoverable. The ore is not necessarily smelted in the country of origin. It follows, therefore, that in the metal table, the metal production for a particular country may be derived from both domestic and imported ores. Secondary metal is excluded as far as possible, but where important is shown as a footnote to the producing country.

(3) Except where otherwise stated the trade figures are intended to represent imports retained, *i.e.*, total imports less re-exports, and exports of domestic produce. In some cases, however, a certain amount of "nationalised" goods is included with domestic exports, namely goods originally imported, but which, if dutiable, have been charged with duty and subsequently re-exported. Where re-exports are not available, an indication to this effect is made by a footnote "total imports." Goods imported for "improvement" and re-exports after "improvement" are also generally included.

(4) Fuel for bunkering, which constitutes an important part of the trade of some countries, *e.g.*, Aden, has been shown separately although in most countries where there is bunker trade the coal or oil is not produced locally. In these cases the figures given in the import tables are total imports less re-exports (not including fuel shipped in bunkers). Footnotes indicate that these imports include fuel intended for bunkering purposes and that the amount of foreign fuel shipped for this purpose can be obtained from the export tables. Thus, in order to ascertain the amount of imports retained the quantity of fuel of foreign origin exported for bunkering should be deducted from the figures shown in the import tables.

(5) Production statistics for India include those of Pakistan prior to the year 1947. With effect from August, 1947, the direct foreign trade of Pakistan is excluded from that of India as also is the sea-borne trade of India with Pakistan up to March, 1948, when the trade between the two countries is recorded in the Indian returns. Separate trade statistics for Pakistan are not yet available.

(6) Trade statistics for Malaya relate to the Colony of Singapore and the Federation of Malaya. Trade between the two colonies is not included. Production statistics relate to the Federation of Malaya.

(7) Production statistics for Swaziland are recorded separately but the foreign trade is dealt with for Customs purposes as part of the Union of South Africa.

(8) The Irish Republic, formerly known as Eire is no longer included under British Countries, but for convenience is put separately between British and Foreign Countries.

(9) Burma is included with Foreign Countries in 1948.

(10) The trade statistics for France include those of the Saar from April 1, 1948.

(11) The units of quantity adopted are the cwt. of 112 lb. (avdp.); ton of 2,240 lb. (avdp.); imperial gallon and metric carat. For precious metals the troy ounce of 480 grains is used.

ABRASIVES*

PRODUCTION OF NATURAL ABRASIVES

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Kenya—							
Corundum	—	—	—	—	—	—	2
Nyasaland—							
Corundum	245	323	379	—	—	88	184
Southern Rhodesia—							
Corundum	—	—	12	—	112	—	—
South West Africa—							
Corundum	—	—	—	—	—	—	10
Union of South Africa—							
Corundum	3,480	4,310	1,828	2,278	2,497	2,425	3,151
Garnet	319	(a)	(a)	(a)	(a)	(a)	(a)
Canada—							
Corundum (Shipments)	154	1,176	662	—	—	—	(a)
Grindstones	201	201	263	299	196	174	143
Garnet	3	—	2	1	2	—	(a)
India—							
Corundum	343	403	95	179	280	194	295
Garnet sand	23	12	—	8	—	10	(a)
Australia—							
Emery	—	—	—	—	—	—	—
New Zealand—							
Pumice (b)	2,931	2,183	3,409	3,389	6,863	13,124	9,716
FOREIGN COUNTRIES							
Belgium—							
Grindstones	(a)	(a)	142	41	(a)	32	36
France—							
Pumice	220	4,921	6,889	11,220	16,800	14,800	17,300
Tripoli	(a)	(a)	(a)	(a)	226	86	(a)
Millstones	1,183	2,256	7,510	17,400	16,730	12,530	(a)
Sharpening stones	150	2,533	1,673	690	344	50	(a)
Greece—							
Emery	—	550	6,000	9,094	9,025	9,783	5,000
Pumice	—	—	2,500	1,737	(a)	(a)	(a)
Italy—							
Pumice	942	2,672	7,382	28,820	(a)	(a)	(a)
Millstones	—	—	197	295	(a)	(a)	(a)
Sharpening stones	998	632	541	1,413	(a)	(a)	(a)
Whetstones	1,216	271	1,108	959	(a)	(a)	(a)
Norway (exports)—							
Millstones, grindstones, etc.	463	430	983	1,460	2,416	2,371	(a)
Portugal—							
Tripoli	159	978	596	1,576	3,506	1,216	1,224
Spain—							
Pumice	(a)	(a)	(a)	(a)	209	968	(a)
Tripoli	832	3,931	14,065	9,482	6,671	7,161	(a)
Garnet	123	101	229	142	188	177	(a)
Sweden—							
Millstones, etc. ..	94	62	—	—	—	(a)	(a)
Grindstones and whet- stones	1,127	2,059	2,714	1,099	1,512	(a)	(a)
Egypt—							
Pumice	635	935	1,220	2,490	787	443	354
Garnet	—	—	11	—	143	85	159

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) From quarries controlled under the Stone Quarries Act.

PRODUCTION OF NATURAL ABRASIVES (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
French Equatorial Africa—							
Corundum	—	140	45	2	—	—	—
Madagascar—							
Corundum	69	49	21	1	4	7	—
Garnet	(a)	(a)	(a)	89	131	411	510
Mozambique—							
Corundum	1,091	150	—	—	6	—	—
United States (Sales)—							
Emery	6,196	7,014	5,525	5,177	4,826	4,383	5,312
Garnet	(a)	5,630	6,913	7,788	7,178	5,873	8,307
Pumice	79,247	140,188	285,610	395,136	542,630	639,948	642,282
Tripoli	16,451	16,292	25,853	30,873	23,969	22,790	39,036
Grindstones ..	8,369	8,958	10,362	9,482	7,072	3,991	3,960
Pulpstones ..	(a)	(a)	64	68	29	25	29
Argentina—							
Pumice	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—							
Emery	98	2,134	8,318	11,903	7,737	8,113	1,399

Abrasives are also produced in other countries, statistics for which are not available.

The following crude artificial abrasives were produced in Canada (long tons):—

	1944	1945	1946	1947	1948	1949	1950
Silicon carbide ..	42,053	40,553	44,601	46,164	47,229	41,427	39,965
Fused alumina ..	148,302	118,921	106,449	130,744	129,320	101,071	113,324

The United States Bureau of Mines reports the following artificial abrasives sold, shipped, or used, from plants in United States and Canada (long tons):—

	1944	1945	1946	1947	1948	1949	1950
Silicon carbide ..	50,260	48,013	57,008	56,897	56,279	60,303	58,039
Aluminium oxide ..	165,690	131,264	117,932	142,877	138,368	112,327	125,314
Metallic abrasives ..	129,054	131,046	99,564	137,671	131,445	93,552	128,869

The figures given above include material used for refractories and other non-abrasive purposes.

(a) Information not available.

EXPORTS OF ABRASIVES*
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Abrasives, natural ..	469	84	251	484	1,716	1,923	1,923
do. artificial ..	1	1	69	256	1,091	1,702	1,232
Grinding wheels of—							
Artificial corundum, etc.	272	479	606	557	742	970	944
Carborundum ..	351	250	571	536	693	1,375	2,034
Emery ..	12	31	101	457	275	341	279
Other hard abrasives ..	563	537	832	1,203	717	901	1,051
Grindstones ..	752	1,085	2,848	} (b) 3,401	(b) 4,001	(b) 3,000	(b) 2,196
Whetstones ..	43	52	674				
Other manufactured abrasives—							
Natural ..	819	1,093	2,870	} 2,770	742	(a)	(a)
Artificial ..	221	536	1,032				
Nyasaland—							
Corundum ..	—	355	412	17	—	79	184
Union of South Africa—							
Corundum ..	3,593	4,144	1,737	2,212	3,006	1,918	2,917
Canada—							
Natural abrasives, including diatomaceous earth	5	11	5	54	15	7	6
Artificial abrasives ..	192,052	158,966	155,719	175,715	178,780	140,997	167,006
Artificial abrasive wheels, etc. ..	(£53,709)	(£34,586)	(£20,210)	(£73,753)	(£42,076)	(£25,599)	(£20,850)
Grindstones ..	(£47)	(£4,386)	(£8,303)	(£6,175)	(£5,365)	(£5,649)	(£18,095)
Cyprus—							
Pumice ..	—	102	—	—	4	(a)	(a)
India—							
Garnet sand ..	(a)	(a)	(a)	4	(a)	(a)	(a)
Palestine—							
Millstones ..	(£7,540)	(£5,149)	(£4,568)	(a)	(a)	(a)	(a)
Australia—							
Corundum, emery, etc. (£ Aust.) ..	(£4,241)	(£4,151)	(£15,734)	(£20,359)	(£12,067)	(a)	(a)
New Zealand—							
Pumice ..	2,345	2,185	2,545	2,410	1,735	1,419	1,329
FOREIGN COUNTRIES							
Austria—							
Emery, etc. ..	(a)	(a)	(a)	—	105	460	1,012
Grindstones, natural ..	(a)	(a)	(a)	20	—	—	28
Millstones ..	(a)	(a)	(a)	73	362	568	413
Belgium-Luxemburg E.U.—							
Corundum ..	(a)	(a)	(a)	(a)	40	2	3
Millstones and grindstones, natural ..	1,057	(a)	(a)	(a)	} 485	478	396
Millstones and grindstones, artificial ..	155	(a)	(a)	(a)			
Other abrasives ..	1	(a)	(a)	(a)			
Bulgaria—							
Millstones, grindstones, etc. ..	149	235	29	(a)	(a)	(a)	(a)

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Including all abrasive shapes cut from natural rock.

EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Czechoslovakia—							
Emery and pumice ..	(a)	(a)	1	2	(c) 1	(a)	(a)
Carborundum ..			2	1	(c) 528	(a)	(a)
Grindstones, etc., natural			15	12	(c) 13	(a)	(a)
do. carborundum ..			227	890	(c) 531	(a)	(a)
do. emery, etc. ..			22	28	(c) 660	(a)	(a)
Millstones ..			1	48	(c) 10	(a)	(a)
Other abrasives ..			—	1	(c) —	(a)	(a)
Denmark—							
Emery ..	—	1	5	2	9	17	(a)
Millstones and grindstones, natural ..	—	1	3	10	72	34	} 253
do. artificial ..	2	1	142	315	212	166	
Finland—							
Grindstones, etc. ..	85	25	113	242	433	629	(a)
France—							
Corundum and emery ..	3	12	37	228	146	222	254
Pumice ..	4	4	162	352	388	56	640
Tripoli ..	—	—	52	17	(a)	(a)	(a)
Millstones and grindstones ..	194	374	1,656	2,239	2,207	1,274	697
Whetstones ..	7	—	108	164	976	1,753	1,562
Artificial abrasives ..	3,641	1,010	4,348	1,737	98	26	47
Germany—							
Emery ..	(b) 174	(a)	(a)	(a)	12	42	205
Carborundum, etc. ..	(b) 1,609				3	1,692	3,871
Millstones, grindstones, etc. ..	(b) 4,259				447	1,162	2,695
Other abrasives ..	(b) 1,308				1,400	1,065	3,873
Greece—							
Emery ..	(a)	(a)	4,084	3,353	5,274	5,016	(a)
Pumice ..			—	2	1,980	3,881	(a)
Italy—							
Pumice ..	(a)	(a)	(a)	17,868	16,328	20,880	26,780
Artificial abrasives ..	(a)	(a)	(a)	5	113	597	70
Netherlands—							
Emery ..	(a)	(a)	1,096	1,710	1,795	1,876	2,961
Norway—							
Emery, etc. ..	20	9	12	2	5	94	(a)
Millstones, grindstones, etc. ..	463	430	983	1,460	2,416	2,371	(a)
Whetstones ..	104	24	37	28	7	9	(a)
Other artificial abrasives	42	42	154	163	224	289	310
Sweden—							
Emery ..	—	17	—	2	—	1	15
Other natural abrasives ..	—	40	7	3	15	5	37
Carborundum, etc. ..	—	39	158	393	67	124	343
Millstones, grindstones, etc. ..	347	677	1,009	1,304	1,174	549	639
Switzerland—							
Carborundum, emery, etc., crude ..	6	39	—	35	52	28	52
do. do. ground ..	32	296	768	1,244	1,956	1,912	1,541
Grindstones ..	—	—	16	34	179	12	4
Millstones ..	—	—	2	7	—	25	4
Belgian Congo—							
Corundum ..	5	—	(a)	(a)	(a)	(a)	(a)
Egypt—							
Emery, pumice, etc. ..	119	—	—	—	—	—	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) January to October only.

EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Madagascar—							
Corundum	70	35	10	12	11	(a)	—
Garnet	(a)	(a)	40	40	125	(a)	559
Mozambique—							
Corundum	1,088	265	55	—	—	—	—
Costa Rica—							
Millstones	9	52	75	40	105	(a)	(a)
Mexico—							
Pumice	26	—	18	13	11	(a)	(a)
Emery, etc.	—	—	3	(a)	(a)	(a)	(a)
Millstones, whetstones, etc.	1	8	8	(a)	(a)	(a)	(a)
United States—							
Emery powder	332	146	236	244	124	515	508
Wheels of emery and corundum	268	111	193	201	57	—	—
Grindstones	1,515	2,098	2,739	2,050	1,289	628	459
Other natural abrasives ..	20,310	24,352	23,608	31,245	26,901	34,154	36,466
Aluminium oxide, fused						17,822	14,250
Silicon carbide						5,638	4,815
Infused alumina						93	113
Other crude artificial abrasives	31,785	27,974	21,130	25,375	21,669	733	43
Artificial abrasive wheels	5,798	7,684	4,152	4,550	3,017	2,375	1,709
Artificial hones, whet- stones, etc.	301	463	806	749	435	839	902
Turkey—							
Emery and carborundum	55	4,999	10,179	11,218	9,575	8,445	8,205

(a) Information not available.

IMPORTS OF ABRASIVES *

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Emery	1,520	4,311	5,364	6,781	6,348	5,453	6,227
Garnet concentrates—							
Unground	(a)	(a)	500	559	511	525	674
Ground	(a)	(a)	(a)	113	230	197	465
Other natural abrasives	571	612	2,662	2,262	2,679	5,449	6,439
Aluminium oxide ..	14,223	3,500	11,616	18,794	18,050	20,418	23,077
Carborundum, unground	71	123	302	400	174	142	98
do. ground .. .	4,579	4,814	6,400	9,191	5,441	9,112	9,524
Grinding wheels of—							
Artificial corundum,							
etc.	225	29	2	27	54	24	} 14
Carborundum ..	12	1	1	—	12	16	
Emery	25	8	1	—	—	—	
Other hard abrasives	52	34	5	48	112	55	
Grindstones and whet-							
stones	4	2	6	5	7	5	13
Other manufactured							
abrasives—							
Natural	263	1,062	1,738	} 6,859	6,286	3,028	1,625
Artificial ..	3,625	1,523	3,110				
Anglo-Egyptian Sudan—							
Grindstones	19	13	24	18	38	68	(a)
Kenya and Uganda—							
Grindstones, etc. ..	2	1	14	—	28	33	30
Mauritius—							
Grindstones, etc. ..	(a)	(£1,576)	(a)	(£1,123)	(a)	(£1,537)	(£1,115)
Seychelles—							
Grindstones	1	—	4	5	2	(a)	(a)
Tanganyika—							
Grindstones, wheels, etc.	12	107	6	9	13	20	14
Union of South Africa							
(total imports)—							
Emery	20	38	39	35	36	20	(a)
Pumice	13	71	101	68	54	94	(a)
Other abrasives (£S.A.)	(£6,725)	(£12,205)	(£10,204)	(£12,339)	(£20,614)	(£15,898)	(a)
Emery and other wheels							
(£ S.A.)	(£136,819)	(£127,601)	(£80,217)	(£133,572)	(£121,623)	(£147,726)	(a)
Grindstones, millstones,							
etc. (£ S.A.) .. .	(£4,214)	(£9,496)	(£9,911)	(a)	(a)	(a)	(a)
Canada (c)—							
Pumice, etc.	(£6,265)	(£10,122)	(£16,888)	(£15,400)	(£26,969)	(£28,185)	(£42,067)
Emery, ground	(£16,543)	(£18,164)	(£26,894)	(£30,685)	(£35,367)	(£30,940)	(£35,161)
Artificial abrasives, ground	(£414,236)	(£363,061)	(£373,150)	(£396,638)	(£367,103)	(£396,744)	(£623,363)
Buhrstones	(£239)	(£175)	(£26)	(£400)	(£86)	(£460)	(£477)
Emery and artificial abra-							
sives manufactures ..	(£16,543)	(£18,164)	(£24,126)	(£25,619)	(£25,148)	(£29,144)	(£41,104)
Grindstones and wheels	(£117,036)	(£107,243)	(£128,480)	(£159,307)	(£177,795)	(£213,555)	(£357,155)
Newfoundland (b)—							
Grindstones	(£1,486)	(£10,898)	(£16,992)	(£12,514)	(£3,393)	(b)	(b)
Whetstones, etc. ..	(£893)	(£913)	(£1,165)	(£934)	(£344)	(b)	(b)
British West Indies—							
Jamaica—							
Grindstones	(£796)	(£650)	(£445)	(£1,145)	(£1,129)	(£1,081)	(£850)

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Years ended March 31 of the year following that stated. Included with Canada from April 1, 1949.

(c) Including Newfoundland from April 1, 1949.

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
British West Indies (Cont.)							
Trinidad and Tobago—							
Grindstones and wheels	12	16	(c) 207	13	395	16	22
Ceylon—							
Grindstones	(£175)	(£343)	(£1,675)	(£1,328)	(£1,785)	(£1,814)	(£7,896)
Cyprus—							
Grindstones and millstones	(£11)	(£338)	(£9,236)	(£4,342)	(£4,208)	(£3,809)	(£3,041)
Palestine—							
Millstones	(£1,238)	(£743)	(£7,353)	(a)	(a)	(a)	(a)
Australia (d)—							
Corundum, emery, etc. . .	1,123	149	256	372	379	349	627
Pumice (£ Aust.)	(£12,614)	(£11,803)	(£12,615)	(£13,368)	(£8,561)	(£12,946)	(a)
Grindstones, etc.	135	66	37	56	90	86	38
Artificial abrasives	1,707	820	703	2,030	1,499	1,459	(e) 1,141
New Zealand—							
Pumice	1	—	—	2	1	1	8
Grindstones, etc. (£N.Z.)	(£8,954)	(£13,492)	(£20,921)	(£26,423)	(a)	(£14,740)	(£15,915)
Irish Republic—							
Grindstones, oilstones, etc.	112	151	144	157	140	(a)	(a)
FOREIGN COUNTRIES							
Austria—							
Emery, etc.	(a)	(a)	(a)	434	627	1,121	1,269
Pumice, etc.				15	53	165	202
Grindstones, natural ..				240	292	116	170
do. artificial				101	430	262	129
Millstones				41	58	53	91
Belgium-Luxemburg E.U.—							
Corundum, artificial ..	(a)	(a)	(a)	(a)	371	746	861
Millstones and grindstones, natural ..	76	(a)	(a)	(a)	1,731	1,146	1,080
do. artificial	195	(a)	(a)	(a)			
Silicon carbide	(a)	(a)	(a)	(a)	646	1,040	617
Other abrasives	210	(a)	(a)	(a)	1,378	1,477	4,460
Bulgaria—							
Emery, etc.	76	3	2	(a)	(a)	(a)	(a)
Millstones, grindstones, etc.	24	10	—	(a)	(a)	(a)	(a)
Czechoslovakia—							
Emery	(a)	(a)	10	—	(b) 10	(a)	(a)
Pumice				20	(b) —	(a)	(a)
Carborundum				335	(b) 142	(a)	(a)
Grindstones, etc., natural				25	(b) 296	(a)	(a)
do. carborundum				—	(b) 1	(a)	(a)
do. emery, etc.				1	(b) 22	(a)	(a)
Millstones				85	(b) 55	(a)	(a)
Other abrasives	1	(b) 163	(a)	(a)			
Denmark—							
Emery, etc.	162	7	332	379	419	322	(a)
Pumice	24	—	258	339	358	667	(a)
Carborundum	70	81	212	162	238	301	(a)
Millstones and grindstones, natural ..	261	261	654	141	191	240	746
do. artificial	127	124	440	433	361	344	
Finland (total imports)—							
Emery, pumice, etc. ..	87	59	347	579	482	446	(a)
Carborundum, etc.	8	45	60	139	92	100	(a)
Millstones, etc.	—	—	1	1	13	—	(a)
Whetstones, grindstones, etc.	866	191	634	1,015	2,075	1,787	(a)

(a) Information not available.

(c) Excess of re-exports.

(e) Calendar year.

(b) January to October only.

(d) Years ended June 30 of that stated.

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
France—							
Corundum and emery ..	—	576	2,072	3,232	2,761	854	1,953
Pumice	—	—	2,046	4,978	2,322	1,414	5,928
Tripoli	(a)	(a)	(a)	550	(a)	(a)	(a)
Millstones and grindstones	1	42	75	358	184	176	151
Whetstones	18	—	38	104	305	329	556
Carborundum	110	484	1,817	2,185	946	2,105	2,016
Other artificial abrasives	(a)	1,211	1,502	2,233	(a)	(a)	(a)
Germany—							
Emery	(b) 208	(a)	(a)	(a)	80	722	2,025
Pumice, etc.	(b) 1,074					4,256	6,740
Carborundum, etc. ..	(b) 1,974					590	686
Millstones, grindstones, etc.	(b) 6,131					131	267
Other abrasives	(b) 6,131					—	80
Iceland—							
Millstones, etc.	7	37	16	(a)	(a)	(a)	(a)
Italy—							
Emery and corundum ..	(a)	(a)	(a)	298	1,012	1,110	1,740
Artificial abrasives ..	(a)	(a)	(a)	891	1,474	2,042	(b)1,257
Netherlands—							
Emery	(a)	(a)	2,273	2,602	3,686	1,821	4,261
Millstones and grindstones	(a)	(a)	—	—	602	328	337
Natural					724	769	767
Artificial					251	436	589
Other artificial abrasives					(a)	(a)	—
Norway—							
Emery, etc.	131	248	399	385	599	782	(a)
Millstones, grindstones, etc.	306	518	912	1,685	1,254	754	(a)
Whetstones	4	9	19	10	15	—	(a)
Other artificial abrasives	6	2	35	22	38	45	(a)
Portugal—							
Emery, etc.	22	182	177	347	168	223	(a)
Pumice	—	—	46	—	10	40	(a)
Millstones	—	40	114	186	182	89	(a)
Spain—							
Emery powder	26	162	72	53	31	161	(a)
Carborundum	47	290	49	123	66	96	(a)
Sweden—							
Emery	65	390	769	403	713	520	} 3,457
Pumice	—	56	651	97	209	532	
Other natural abrasives ..	861	581	2,433	2,556	2,862	2,426	
Carborundum, etc.	122	73	713	1,081	1,165	1,565	
Grindstones, etc.	442	329	1,138	1,385	1,329	1,065	
Millstones	223	345	619	904	1,267	923	(a)
Switzerland—							
Emery, crude	51	334	989	904	755	690	457
Carborundum, emery, etc., ground	120	430	782	1,201	1,478	777	914
Millstones	49	12	10	31	47	70	54
Grindstones	143	66	432	593	450	326	248
Whetstones	10	4	1	36	25	25	16
Algeria—							
Emery, corundum, etc. ..	2	3	5	50	56	53	(a)
Pumice	—	3	157	189	138	210	(a)
Millstones and grindstones	26	236	363	386	450	476	(a)
Egypt—							
Emery, pumice, etc. ..	—	17	(c) 844	(c) 266	(c) 1,978	(c) 5,746	(a)
Millstones	1	—	—	(c) 67	(c) 104	(c) 64	(a)
Grindstones	50	214	135	(c) 150	(c) 235	(c) 174	(a)
Whetstones	1	8	6	(c) 13	(c) 44	(c) 11	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) Total imports.

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Madagascar—							
Millstones, grindstones, and whetstones ..	(a)	(a)	7	11	27	(a)	(a)
Morocco (French)—							
Millstones and grindstones ..	9	96	284	139	(a)	(a)	(a)
Tunis—							
Emery and pumice ..	16	33	169	55	49	(a)	(a)
Millstones and grindstones ..	—	9	19	13	50	(a)	(a)
Cuba (total imports)—							
Grindstones ..	553	964	(a)	(a)	615	326	(a)
Mexico—							
Emery and carborundum ..	1,581	1,254	1,038	1,041	1,418	(a)	(a)
Pumice ..	4	5	6	5	47	(a)	(a)
Millstones and grindstones ..	481	359	498	506	286	(a)	(a)
United States—							
Corundum, crude ..	5,716	5,575	3,756	2,144	3,225	1,797	3,163
Emery, crude ..	(a)	—	2,287	2,772	984	1,350	1,541
Corundum and emery, ground ..	32	33	52	51	56	2	9
Pumice, crude ..	36	—	4,916	6,973	7,567	7,896	17,203
do. manufactured ..	3	33	878	710	696	675	877
Tripoli, etc. ..	320	223	83	74	(a)	(a)	(a)
Grindstones ..	25	31	207	224	274	128	265
Buhrstones, hones, etc. . .	172,426	149,990	24	42	39	23	20
Crude artificial abrasives ..	—	—	138,578	150,842	155,930	115,604	141,204
Argentina—							
Emery ..	349	872	1,805	(a)	(a)	(a)	(a)
Pumice ..	2	—	8	(a)	(a)	(a)	(a)
Grindstones ..	41	214	239	(a)	(a)	(a)	(a)
Oil stones ..	3	—	16	(a)	(a)	(a)	(a)
Brazil—							
Millstones, grindstones, etc. ..	623	659	721	708	299	(a)	(a)
Other abrasives ..	343	246	395	297	157	(a)	(a)
Chile—							
Emery ..	83	57	25	}	(a)	(a)	(a)
Pumice ..	4	3	—				
Tripoli ..	1	4	29				
Other abrasives ..	5	98	56				
Colombia—							
Emery and pumice ..	(a)	(a)	82	(a)	(a)	(a)	(a)
Millstones and grindstones ..	(a)	(a)	20	(a)	(a)	(a)	(a)
Peru—							
Emery and pumice ..	35	30	34	(a)	(a)	(a)	(a)
Grindstones ..	60	70	52	(a)	(a)	(a)	(a)
Venezuela—							
Emery and pumice ..	(a)	19	23	32	(a)	(a)	(a)
Iraq—							
Emery, pumice, etc. ..	2	(a)	(a)	(a)	(a)	(a)	(a)
Grindstones, whetstones, etc. ..	56	56	(a)	(a)	(a)	(a)	(a)
Syria and Lebanon—							
Emery ..	—	50	101	(a)	(a)	(a)	(a)
Millstones and grindstones ..	19	150	186	(a)	(a)	(a)	(a)
Turkey—							
Emery and carborundum, crude ..	—	1	9	9	9	9	14
Millstones and grindstones ..	166	204	170	214	483	345	344
Whetstones, etc. . .	—	—	—	19	6	4	12
Grinding powder ..	—	10	45	33	45	68	72

(a) Information not available.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Northern Ireland	43,799	36,397	—	—	—	—	—
Gold Coast (b)	107,223	146,330	114,246	95,898	130,953	145,013	114,948
British Guiana—(c)							
60% or more alumina ..	913,516	669,164	1,115,966	1,358,929	1,944,966	1,796,409	1,642,036
India	12,135	13,893	16,405	18,537	20,663	42,541	51,299
Malaya	(d)	—	—	—	—	—	—
Australia	3,806	3,437	3,729	4,878	5,645	5,292	3,467
TOTAL	1,180,000	969,000	1,244,000	1,472,000	2,102,000	1,989,000	1,812,000
FOREIGN COUNTRIES							
Austria	18,515	8,618	—	—	5,240	6,452	2,891
France	655,117	303,261	442,027	669,381	790,844	753,500	791,300
Germany	25,000	(a)	(a)	(a)	(a)	—	—
Greece	10,000	—	1,294	22,066	43,539	44,813	76,225
Hungary	746,323	34,843	99,169	279,100	(e) 500,000	(e) 600,000	(h) 605,000
Italy	40,000	25,000	64,413	165,070	150,728	103,196	151,010
Roumania	(a)	(a)	(a)	(a)	(a)	(a)	—
Spain	2,850	5,020	4,820	5,370	6,698	11,773	12,098
U.S.S.R. (estimated) ..	(e) 400,000	(e) 400,000	450,000	450,000	500,000	500,000	500,000
Yugoslavia	150,300	(a)	(a)	(a)	(a)	(a)	(a)
French West Africa ..	—	—	—	—	—	—	9,965
Mozambique	6,080	4,305	1,596	2,913	843	1,347	(a)
United States (f)	2,823,724	981,009	1,104,054	1,202,055	1,457,148	1,148,792	1,347,039
Brazil	14,359	19,238	4,388	6,629	13,822	15,957	(a)
Dutch Guiana	916,756	753,503	1,004,080	1,711,670	2,165,481	2,095,205	2,013,058
French Indo-China	350	—	—	—	—	—	—
Indonesia	(g)	(g)	100,000	24,171	430,907	667,428	522,754
TOTAL (h)	6,250,000	2,950,000	3,400,000	4,700,000	6,170,000	6,360,000	6,450,000
WORLD'S TOTAL (h)	7,430,000	3,920,000	4,650,000	6,170,000	8,270,000	8,350,000	8,260,000

(a) Information not available.

(b) Exports

(c) The shipments from mines of dried and washed ore were as follows (long tons):—

	1944	1945	1946	1947	1948	1949	1950
Metallurgical ..	847,967	690,675	1,047,220	1,210,016	1,764,387	1,598,350	1,432,369
Chemical ..	19,635	33,176	37,597	24,572	31,754	38,906	68,385
Refractory ..	2,770	1,333	2,635	2,793	—	17,748	17,362
Abrasive ..	6,755	12,229	33,893	51,632	69,152	101,189	64,513

(d) Total production during Japanese occupation amounted to 395,450 tons.

(e) U.S. Bureau of Mines estimate.

(f) Dried bauxite equivalent.

(g) Total production during Japanese occupation amounted to 1,363,000 tons.

(h) Estimated.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1944	15,221
1945	18,403
1946	30,660
1947	39,910
1948	26,062
1949	44,623
1950	44,046

PRODUCTION OF ALUMINIUM
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	35,500	31,900	31,500	28,940	30,028	30,345	29,468
Canada	412,558	192,600	172,679	267,019	327,749	329,880	352,461
India	1,723	2,254	3,244	3,223	3,368	3,492	3,596
TOTAL	449,800	226,800	207,400	299,182	361,145	363,717	385,525
FOREIGN COUNTRIES							
Austria	39,311	5,131	1,016	4,476	12,814	14,563	17,706
France	25,740	36,637	47,195	52,557	62,695	53,289	59,761
Germany	200,000	(a)	(c) —	(c) —	(c) 7,191	(c) 28,390	(c) 27,398
Hungary (d)	(a)	2,314	1,939	5,121	9,300	8,100	(a)
Italy	16,531	4,278	10,461	24,668	32,560	25,242	36,485
Norway	19,719	4,535	16,428	21,382	30,551	35,113	46,461
Spain	203	531	991	984	515	1,193	2,301
Sweden	3,664	3,185	3,510	2,846	3,227	3,867	3,974
Switzerland	15,000	5,000	13,000	18,167	18,660	20,668	20,668
U.S.S.R.	(d) 70,000	(d) 84,947	(f) 80,000	(f) 120,000	(f) 140,000	(f) 160,000	(f) 190,000
Yugoslavia	1,000	(a)	(a)	(a)	2,000	2,000	2,000
United States (e) ..	693,255	442,018	365,741	510,491	556,657	538,805	641,627
Formosa	9,055	—	(a)	(a)	(a)	(a)	1,793
Japan	107,794	16,192	3,142	2,657	6,855	20,883	24,814
Korea	12,738	1,223	(a)	(a)	(a)	(a)	(a)
Manchuria	8,000	3,200	(a)	(a)	(a)	(a)	(a)
TOTAL	1,233,000	640,000	550,000	770,000	880,000	920,000	1,080,000
WORLD'S TOTAL	1,683,000	860,000	760,000	1,070,000	1,240,000	1,284,000	1,466,000

(a) Information not available.

(b) In addition secondary metal was recovered as follows :—

1944	.. .. .	104,500 long tons
1945	.. .. .	81,000 " "
1946	.. .. .	74,900 " "
1947	.. .. .	97,600 " "
1948	.. .. .	80,165 " "
1949	.. .. .	75,228 " "
1950	.. .. .	86,372 " "

(c) Bizone only. In addition secondary metal was recovered as follows :—

1946	.. .. .	17,500 long tons
1947	.. .. .	18,531 " "
1948	.. .. .	34,318 " "
1949	.. .. .	35,656 " "
1950	.. .. .	(a) " "

(d) U.S. Bureau of Mines

(e) In addition secondary metal was recovered as follows :—

1944	.. .. .	290,754 long tons
1945	.. .. .	266,417 " "
1946	.. .. .	248,279 " "
1947	.. .. .	307,890 " "
1948	.. .. .	256,051 " "
1949	.. .. .	161,395 " "
1950	.. .. .	217,559 " "

(f) Estimated.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950				
BRITISH COUNTRIES											
United Kingdom—											
Alumina	107	901	8,926	6,473	3,841	4,087	13,479				
Ingots, etc., including alloyed	25	3,292	5,231	6,016	6,543	5,689	5,429				
Sheets, tubes, etc., including alloyed	72	3,030	17,465	22,242	47,067	53,152	39,919				
Foil and alloyed	23	104	1,787	2,311	3,046	2,941	3,605				
Scrap, including alloyed	—	258	8,286	507	10	—	342				
Aluminium sulphates	19,623	20,415	34,298	29,648	38,695	37,568	38,350				
Gold Coast—											
Bauxite	107,223	146,330	114,246	95,898	130,953	145,013	114,948				
Southern Rhodesia—											
Ingots, blocks and rods	—	40	67	52	9	45	49				
Canada—											
Blocks, bars, and ingots	263,595	341,327	167,264	190,818	292,060	265,095	299,755				
Sheets, rods, etc.	2,790	1,688	2,186	3,481	5,507	9,443	10,219				
Scrap	1,609	5,819	5,766	9,644	20,393	3,914	4,146				
Wire	(£13,370)	(£235,909)	(£287,598)	(£627,773)	(£1,370,092)	(a)	(a)				
Jamaica—											
Bauxite	—	(50 lbs.)	—	—	—	—	—				
British Guiana—											
Bauxite	873,969	738,544	1,120,015	1,290,367	1,873,166	1,757,650	1,583,417				
India—											
Bauxite	800	470	1,040	281	(a)	948	(a)				
Malaya (including re-exports)—											
Bauxite	(a)	(a)	—	—	—	—	15,891				
Bars, sheets and strips							4	57	253	266	187
Aluminium sulphates							911	1,334	1,706	1,386	2,164
Australia—											
Bauxite	(a)	(a)	36	151	134	176	102				
Pigs, ingots, etc.	—	—	242	157	194	6	—				
Scrap	—	—	—	1,536	4,360	3	102				
Aluminium sulphates	88	234	385	281	134	74	106				
FOREIGN COUNTRIES											
Austria—											
Alumina	(a)	(a)	(a)	1,362	903	149	253				
Crude, including alloys							3,097	14,839	9,389	9,389	
Scrap							—	1,159	1,212	648	
Sheets, rods, wire, foil, etc.							35	—	7	49	
Belgium-Luxemburg E.U.—											
Bauxite, etc.	—	(a)	(a)	(a)	—	—	—				
Alumina and hydrates	5	(a)	(a)	(a)	4	59	—				
Crude	73	(a)	(a)	(a)	1,900	3,640	3,287				
Scrap	(a)	(a)	(a)	(a)	666	370	733				
Sheets, wire, etc.	570	(a)	(a)	(a)	630	516	1,475				
Aluminium sulphates	669	(a)	(a)	(a)	6,593	7,473	7,262				
Czechoslovakia—											
Crude and scrap	(a)	(a)	—	137	(b) 1,255	(a)	(a)				
Bars, sheets, rods and wire	(a)	(a)	6	70	(b) 2	(a)	(a)				
Denmark—											
Refined cryolite	343	96	8,490	12,503	18,639	18,697	23,965				
Crude	3	15	52	71	41	272	235				
Scrap							317	686	309	306	49
Sheets, wire and foil							—	—	3	1	1	37

(a) Information not available.

(b) January to October only.

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950			
FOREIGN COUNTRIES (Cont.)										
France—										
Bauxite	288,589	1,038	47,741	83,109	114,645	187,751	257,726			
Alumina	24,162	9,551	30,765	67,267	71,821	56,407	67,320			
Aluminium hydrates ..	2,318	1,077	3,217	6,987	3,271	5,950	5,405			
Cryolite, artificial ..	445	—	34	44	1	10	—			
Ingots	} 1,228	} 492	} 1,719	} 1,277	} 1,204	} 8,693	} 16,549			
Scrap								(a)	(a)	
Sheets, wire, etc. ..	204	170	1,927	3,527	2,396	3,144	3,018			
Aluminium sulphates ..	382	1,295	2,727	3,089	4,521	4,754	7,476			
Germany—										
Bauxite and cryolite ..	(b) 7,091	} (a)	} (a)	} (a)	} 3,938	} 15,743	} 33,797			
Crude and alloys ..	} (b) 3,549							} 2,097		
Scrap									} (b) 3,666	} 554
Sheets, wire, castings, etc.	} (b) 271							} 185		
Foil .. .. .											} (b) 27,350	} 133
Aluminium sulphates, etc. including refined bauxite					4,315	29,335				
Greece—										
Bauxite	(a)	—	—	5,905	39,762	39,772	(a)			
Hungary—										
Bauxite	681,336	704	8,914	52,551	(a)	(a)	(a)			
Italy—										
Bauxite	(a)	—	492	—	—	—	—			
Alumina	(a)	—	5,315	10,763	21,671	13,591	10,999			
Aluminium hydrates ..	(a)	(a)	(a)	125	—	2	35			
Crude, scrap and alloyed	8,297	—	679	1,625	18,810	5,005	2,893			
Aluminium sulphates ..	(a)	(a)	(a)	796	209	583	624			
Netherlands—										
Crude and alloys ..	(a)	(a)	5	126	149	587	169			
Scrap	(a)	(a)	190	1,093	3,497	1,371	2,836			
Foil	(a)	(a)	3	10	23	28	42			
Norway—										
Alumina	—	8	37	157	41	354	(a)			
Ingots	17,224	2,796	9,469	16,337	21,541	21,585	39,714			
Scrap	159	282	746	599	521	292	562			
Bars, sheets, tubes and wire	764	81	556	891	1,193	995	1,395			
Sweden—										
Crude, sheets and strips ..	7	68	23	27	47	7	852			
Scrap	34	84	98	158	84	100	292			
Aluminium sulphates ..	2,590	6,359	11,473	8,140	6,915	7,976	11,254			
Switzerland—										
Blocks, ingots, etc., and scrap	1,489	25	396	964	10,617	6,360	9,412			
do. (alloys)	2,156	103	395	155	1,282	1,108	2,436			
Bars, sheets, tubes and wire	479	157	3,038	4,632	3,684	3,053	1,547			
do. (alloys)	1,672	37	610	1,381	1,094	1,313	1,561			
Yugoslavia—										
Bauxite	(a)	(a)	(a)	(a)	(a)	(a)	150,576			
Algeria—										
Ingots and scrap ..	1	4	—	—	401	337	(a)			
Mozambique—										
Bauxite	1,240	9,666	1,032	2,412	748	846	3,705			
Greenland—										
Cryolite	15,221	18,403	30,660	39,910	26,062	44,623	44,046			
Haiti—										
Bauxite	(a)	—	300	—	(a)	(a)	(a)			

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—							
Bauxite, etc.	146,638	126,067	97,788	94,369	54,113	34,902	45,209
Cryolite, natural	606	1,299	1,159	836	637	} 323	1,850
do. artificial	335	398	414	295	72		
Ingots and alloys	118,829	2,026	988	10,802	1,107	7,159	591
Scrap	369	716	572	703	390	354	713
Plates, sheets, bars, etc.	49,124	3,242	13,917	44,852	62,674	25,682	17,698
Foil	1,449	1,167	1,602	4,339	1,765	1,305	743
Aluminium sulphates	36,994	33,904	33,890	20,883	12,805	13,131	11,615
Brazil—							
Bauxite	2,932	6,949	1,143	702	11,808	(a)	(a)
Dutch Guiana—							
Bauxite	633,886	679,050	839,146	1,769,433	2,131,305	2,095,205	2,013,058
China—							
Aluminium sulphates	(a)	(a)	1,544	1,123	605	(a)	(a)
Formosa—							
Crude (b)	9,056	(a)	(a)	(a)	(a)	(a)	(a)
Indonesia—							
Bauxite	(b) 270,267	(a)	—	88,166	443,105	670,339	(a)
Korea—							
Crude (b)	12,739	(a)	(a)	(a)	(a)	(a)	(a)
Manchuria—							
Crude (b)	4,139	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Imports into Japan from the country concerned.

IMPORTS OF ALUMINIUM, ETC.
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bauxite	172,146	162,561	156,972	163,726	308,328	326,603	198,607
Cryolite	85	844	1,444	1,587	2,280	2,590	3,403
Alumina	2,973	(b) 1	101	5	—	—	27
Ingots, etc., including alloyed	149,692	21,148	80,646	95,860	139,084	165,397	141,209
Bars, sheets, tubes, etc., including alloyed	27,272	(b) 5,310	(b) 611	95	138	30	150
Foil and alloyed	10,160	1,745	28	422	222	146	185
Scrap, including alloyed	153	3	23	1,943	3,516	1,810	836
Kenya and Uganda—							
Sheets and wire	—	10	115	655	2,754	2,243	991
Southern Rhodesia—							
Ingots, bars, and sheets	6	35	95	836	1,505	372	198
Foil	4	1	17	56	21	13	28
South West Africa—							
Ingots, bars, sheets, etc.	—	—	13	185	132	137	(a)
Tanganyika—							
Sheets, strips and wire	—	2	3	542	691	962	560
Union of South Africa—							
Ingots, bars, sheets, wire and foil	44	308	1,277	4,829	5,387	1,840	(a)
Aluminium sulphates	78	68	703	769	750	423	(a)
Canada (d)—							
Bauxite	1,185,737	839,029	1,145,693	1,243,476	1,793,298	1,600,572	1,662,167
Cryolite	2,249	3,556	2,532	6,481	5,974	1,364	3,334
Alumina	109	285	162	165	132	182	214
Ingots, rods, sheets, etc.	3,024	1,030	4,149	4,264	2,880	3,189	1,965
Scrap	204	286	521	113	185	51	379
Leaf and foil	(£10,752)	(£15,604)	(£23,080)	(£126,725)	(£41,056)	(£36,311)	(£43,122)
Aluminium sulphates	31,597	31,607	24,752	4,664	2,347	3,744	3,518
Newfoundland (c)—							
Sheets, plates, foil, etc.	35	4	8	28	36	(c)	(c)
Aluminium sulphates	957	982	1,098	227	1,589	(c)	(c)
Aden—							
Aluminium sulphates	—	4	9	11	2	—	—
India—							
Ingots, blocks, bars, etc.	245	3,014	7,345	3,368	830	—	1,836
Sheets and circles	—	1,799	2,685	6,692	6,023	7,867	3,691
Aluminium sulphates	5,325	1,710	857	2,743	810	573	1,433
Malaya (total imports)—							
Bars, sheets and strips	(a)	(a)	245	1,286	2,363	2,547	3,195
Aluminium sulphates	(a)	(a)	2,062	1,734	2,228	1,628	3,451
Ceylon—							
Foil	—	—	336	472	421	433	593
Palestine—							
Ingots and sheets	—	13	312	(a)	(a)	(f)	(f)
Foil	—	4	84	(a)	(a)	(f)	(f)
Australia—							
Bauxite	(a)	(a)	—	—	10	—	6
Cryolite	11	29	26	74	23	17	(e) 34
Figs, ingots, blocks and scrap	4,480	7	1,811	4,219	4,726	7,188	5,916
Sheets, wire, rods, etc.	1,006	96	156	308	1,438	3,847	3,230
Pipes and tubes (£ Aust.)	(£46,564)	(£63,970)	(£201,389)	(£235,878)	(£18,314)	69	422
Foil (e)	47	80	214	298	440	450	(a)
Aluminium sulphates	22	—	28	(b) 21	93	36	464

(a) Information not available.

(b) Excess of re-exports.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) Including Newfoundland from April 1, 1949.

(e) Years ended June 30 of that stated.

(f) See "Israel" under Foreign Countries.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950		
BRITISH COUNTRIES (Cont.)									
New Zealand— Bars, sheets, tubes, wire, etc.	9	50	135	523	2,277	2,891	3,505		
Irish Republic— Ingots and sheets Foil Aluminium sulphates . .	— (a)	284 (a)	731 (a)	1,412 1,766	672 1,500	1,101 123 1,614	933 186 2,175		
FOREIGN COUNTRIES									
Austria—									
Cryolite	(a)	(a)	(a)	21	475	1,434	2,005		
Alumina				13,385	23,309	71,855	77,934		
Aluminium hydrates . .				13,917	28,610	33	1,067		
Crude, scrap and alloys .				27	50	66	13		
Sheets, rods, wire, etc. .				134	518	889	1,178		
Foil				7	—	—	—		
Aluminium sulphates . .				2,295	2,662	4,656	2,339		
Belgium-Luxemburg E.U.—									
Bauxite	319	(a)	(a)	(a)	1,922	574	890		
Alumina	70	(a)	(a)	(a)	4,519	522	321		
Aluminium hydrates . .	298	(a)	(a)	(a)	5,392	4,220	3,792		
Crude	1,052	(a)	(a)	(a)		7,448	8,545		
Scrap		(a)	(a)	(a)		1,215	847	2,028	
Sheets, etc.		86	(a)	(a)		(a)	1,350	1,463	1,646
Aluminium sulphates . .		76	(a)	(a)		(a)	240	755	1,174
Bulgaria—									
Crude, bars and sheets . .	3	220	222	(a)	(a)	(a)	(a)		
Aluminium sulphates . .	76	158	372	(a)	(a)	(a)	(a)		
Czechoslovakia—									
Bauxite	(a)	(a)	1,353	2,353	(b) 5,586	(a)	(a)		
Cryolite	(a)	(a)	256	449	(b) 138	(a)	(a)		
Alumina	(a)	(a)	—	1,835	(b) 1,403	(a)	(a)		
Crude and scrap	(a)	(a)	973	7,446	(b) 10,876	(a)	(a)		
Aluminium sulphates . .	(a)	(a)	107	325	(b) 165	(a)	(a)		
Denmark—									
Crude cryolite	—	3,113	20,827	21,211	24,013	27,153	25,484		
Crude	1,188	1,246	2,235	3,061	2,527	2,975	3,063		
Scrap	238	251	65	107	208	27	155		
Bars, sheets, plates and wire	146	205	1,654	2,108	1,383	1,412	(a)		
Leaf	107	34	307	300	256	145	305		
Aluminium sulphates . .	1,608	1,036	1,760	2,447	2,992	2,596	(a)		
Finland (total imports)—									
Crude	150	12	440	478	508	522	(a)		
Bars and sheets	284	103	352	681	1,700	1,446	(a)		
Aluminium sulphates . .	3,502	3,310	6,906	9,362	6,662	6,655	(a)		
France—									
Bauxite	(a)	16	11	611	—	94	69		
Cryolite	—	—	2,376	59	3,008	787	1,243		
Alumina	1	428	893	5	213	—	50		
Aluminium hydrates . .	9	246	360	—	—	63	1		
Cryolite, artificial . . .	1	—	354	—	(a)	(a)	(a)		
Ingots	458	1,077	11,078	25,831	25,389	5,268	786		
Scrap				3,890	(a)	(a)	(a)		
Sheets, wire, etc.				931	176	149	333		
Aluminium sulphates . .	(a)	3	1	—	10	10	1		

(a) Information not available.

(b) January to October.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Germany—							
Bauxite and cryolite ..	(b) 878,869	(a)	(a)	(a)	{ 87,812 { 15,891 { 1,109 { 696	96,375	210,779
Crude and alloys ..	(b) 20,962					15,500	4,973
Scrap						2,099	1,074
Sheets, wire, castings, etc.	(b) 4,336					12	39
Aluminium sulphates, etc. including refined bauxite	(b) 18,626					29	13
Greece—							
Aluminium	(a)	10	295	579	798	962	(a)
Foil	(a)	—	35	185	288	410	(a)
Iceland—							
Aluminium sulphates ..	2	8	11	(a)	(a)	(a)	(a)
Italy—							
Bauxite	(a)	—	7,670	27,042	118,234	83,212	81,245
Alumina	(a)	—	1,476	504	—	98	75
Crude, scrap and alloys	276	—	20	6,266	8,867	7,241	16,677
Netherlands—							
Bauxite	(a)	(a)	{ 98 { 5,489 { 141 { 5,844	577	295	297	298
Crude and alloys ..				9,579	9,522	3,925	4,331
Foil				395	497	378	1,203
Aluminium sulphates ..				4,187	6,182	7,191	7,932
Norway—							
Bauxite	28,107	—	6,991	28,310	39,238	24,087	36,570
Cryolite	1,909	12	644	1,891	2,605	2,578	(a)
Alumina	15,015	—	17,217	35,159	45,184	64,216	79,733
Crude	—	—	—	492	238	472	998
Bars, sheets, etc.	41	1	145	1,324	611	692	(a)
Aluminium sulphates ..	2,133	2,502	5,273	7,821	5,981	6,942	7,707
Poland—							
Bauxite	(a)	757	8,027	14,021	(a)	(a)	(a)
Crude, scrap, sheets and wire	(a)	—	2,266	4,082	(a)	(a)	(a)
Portugal—							
Cryolite	15	73	34	26	33	19	(a)
Powder	19	36	37	54	74	96	(a)
Aluminium and alloys ..	325	295	964	1,495	807	1,204	(a)
Aluminium sulphates ..	548	700	1,098	991	673	501	(a)
Spain—							
Alumina	—	1,133	2,182	2,063	2,370	1,931	(a)
Ingots and scrap	1,426	1,922	2,028	2,802	2,106	2,786	(a)
Sheets, tubes and wire ..	5	610	28	43	14	26	(a)
Aluminium sulphates ..	108	36	25	14	4	54	(a)
Sweden—							
Bauxite	5,158	—	16,634	27,642	19,785	17,357	9,310
Cryolite (incl. artificial)..	287	64	688	496	313	713	(a)
Alumina	—	3,010	1,782	2,797	6,925	7,506	(a)
Crude	1,056	2,274	7,916	9,612	13,350	13,149	8,227
Scrap	30	382	2,381	1,502	1,315	720	(a)
Sheets, tubes and wire ..	312	104	2,561	3,923	4,768	3,067	(a)
Aluminium sulphates ..	17	7	227	852	167	637	(a)
Switzerland—							
Alumina, etc.	9,760	14,286	25,948	44,750	45,327	46,844	40,118
Blocks, ingots, etc., and scrap	3	7,486	7,866	7,048	6,921	8,918	2,702
do. (alloyed).. .. .	24	64	13	173	235	39	87
Bars, sheets, tubes and wire	2	21	432	1,124	276	6	116
do. (alloyed).. .. .	6	223	55	122	164	9	45
Aluminium sulphates ..	156	220	351	322	243	134	401

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Algeria—							
Bauxite	—	—	28	1,598	424	199	22
Ingots, sheets, wire, etc.	185	583	533	758	183	292	(a)
Aluminium sulphates ..	30	185	212	223	401	148	(a)
Egypt—							
Bars, sheets, tubes and wire	1	43	239	117	329	429	(a)
Foil	—	—	130	104	334	264	(a)
Aluminium sulphates ..	2,402	4,565	(b) 741	106	327	203	(a)
Madagascar—							
Aluminium sulphates ..	(a)	(a)	44	36	27	(a)	(a)
Mozambique—							
Bars, sheets, wire ..	1	3	13	103	210	222	155
Tunis—							
Ingots and scrap ..	—	101	147	393	9	(a)	(a)
Aluminium sulphates ..	8	168	100	105	60	(a)	(a)
Costa Rica—							
Bars, sheets, foil, etc. ..	6	—	305	740	207	89	(a)
Cuba (total imports)—							
Ingots and bars ..	(a)	(a)	(a)	(a)	420	238	(a)
Aluminium sulphates ..	2,042	2,559	(a)	(a)	1,509	1,522	(a)
Mexico—							
Alumina	176	470	489	607	635	(a)	(a)
Ingots	—	354	198	1,841	1,031	(a)	(a)
Bars, sheets and wire ..	50	413	1,585	3,859	3,178	(a)	(a)
Foil	—	434	1,286	670	133	(a)	(a)
Aluminium sulphates ..	1,142	867	924	(a)	(a)	(a)	(a)
United States—							
Bauxite, crude	560,461	739,581	852,005	1,821,580	2,488,915	2,688,164	2,476,686
Refined bauxite	—	180	5	(a)	6	157	194
Cryolite	15,534	17,952	10,200	19,650	2,101	18,309	15,298
Crude and alloys	89,567	296,819	37,042	13,910	74,254	69,056	157,838
Scrap	1,593	4,615	12,983	14,034	64,055	35,822	60,678
Sheets, bars, etc. ..	578	1,500	971	28	5,344	7,021	9,781
Foil (c)	3	90	51	34	16	176	265
Aluminium sulphates ..	—	—	—	72	4,962	1,313	2,763
Argentina—							
Bauxite	1,240	1,680	2,065	(a)	(a)	(a)	(a)
Ingots, sheets and wire ..	23	1,384	2,591	(a)	(a)	(a)	(a)
Aluminium sulphates ..	333	1,581	3,910	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Cryolite	257	111	132	77	150	(a)	(a)
Bars, sheets and wire ..	1,750	2,965	2,968	5,664	6,667	(a)	(a)
Scrap	210	544	1,053	527	677	(a)	(a)
Aluminium sulphates ..	1,822	1,524	3,127	3,488	1,632	(a)	(a)
Chile—							
Bars and sheets	24	160	458	110	185	(a)	(a)
Aluminium sulphates ..	634	849	358	(a)	(a)	(a)	(a)
Colombia—							
Ingots, bars, sheets, etc.	8	(a)	1,119	(a)	(a)	(a)	(a)
Aluminium sulphates ..	1,704	(a)	2,074	(a)	(a)	(a)	(a)
Peru—							
Ingots	(a)	26	30	(a)	(a)	(a)	(a)
Aluminium sulphates ..	580	463	1,142	(a)	82	(a)	(a)
Uruguay—							
Ingots, sheets, etc. ..	136	(a)	(a)	(a)	(a)	(a)	(a)
Aluminium sulphates ..	1,337	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Crude	(a)	47	224	143	(a)	(a)	(a)
Aluminium sulphates ..	(a)	227	528	676	(a)	(a)	(a)

(a) Information not available.

(b) Alum only.

(c) Excluding leaves 5½ in. by 5½ in. recorded by number only.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
China—							
Sheets and wire ..	}	(a)	}	3,559	4,484	2,153	(a)
Foil, including interleaved with paper ..				673	1,190	1,565	(a)	(a)
Iran (b)—							
Ingots, sheets, scrap, etc.	(a)	(a)	311	214	(a)	(a)	(a)
Aluminium sulphates ..	(a)	(a)	103	68	(a)	(a)	(a)
Iraq—							
Bars, sheets, wire, etc. ..	—	—	(a)	(a)	(a)	(a)	(a)
Aluminium sulphates ..	552	76	(a)	(a)	(a)	(a)	(a)
Israel—							
Ingots and sheets ..	(d)	(d)	(d)	(d)	(d)	2,777	6,832
Foil	(d)	(d)	(d)	(d)	(d)	69	81
Japan (c)—							
Bauxite	337,947	1,775	2,830	—	94,200	(a)	128,018
Ingots, blocks, etc. ..	25,933	(a)	(a)	(a)	(a)	(a)	1,321
Syria and Lebanon—							
Aluminium sulphates ..	28	97	234	—	7	156	(a)
Turkey—							
Bars, sheets, wire and alloys	20	73	133	454	243	173	275
Aluminium sulphates ..	770	1,525	764	1,562	1,188	1,215	894

(a) Information not available.

(b) Total imports for years ended March 20 of the year following that stated.

(c) Including Formosa for the years 1944 and 1945.

(d) See "Palestine" under British Countries.

ANTIMONY

PRODUCTION OF ANTIMONY ORE

(In terms of metal)

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Southern Rhodesia ..	132	34	17	87	10	42	25
Union of South Africa ..	2,766	2,408	2,485	3,250	4,040	4,290	8,179
Canada (b) ..	—	—	—	—	—	—	—
Pakistan	340	290	200	—	—	—	—
Sarawak	—	—	—	—	3	1	2
Australia (d)	486	184	530	170	187	195	223
New Zealand	—	—	—	—	(e) 5	(e) 2	—
FOREIGN COUNTRIES							
Austria	1,060	272	35	99	265	371	410
Czechoslovakia (f) ..	(a)	1,097	2,122	1,411	1,568	(a)	(a)
France	124	163	217	198	271	333	(a)
Greece	—	—	—	—	—	(e) 90	(e) 600
Italy	470	370	440	500	550	617	735
Portugal	35	3	3	25	40	21	15
Spain (e), (h)	300	225	275	137	225	260	250
Algeria	182	453	—	118	840	1,376	1,230
Morocco (French) ..	177	378	250	413	443	611	695
do. (Spanish)	167	48	111	156	118	153	284
Honduras	114	—	—	—	10	(a)	(a)
Mexico	10,758	8,614	6,468	6,816	7,264	5,662	5,776
United States (g) ..	4,228	1,723	2,237	4,746	5,794	1,461	2,229
Argentina	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia (exports) ..	7,330	5,448	6,854	10,686	12,066	10,113	8,630
Peru	1,041	2,265	1,194	1,272	1,610	728	993
Burma (e)	(c) 830	(c) 830	—	40	(a)	70	6
China	200	—	956	(a)	(a)	(a)	(a)
French Indo-China ..	30	—	—	—	—	—	—
Japan	453	419	61	94	133	184	158
Siam	58	44	—	112	105	229	85
Turkey	60	40	40	120	620	560	1,585

Antimony ore is also produced in the U.S.S.R. and Yugoslavia.

(a) Information not available.

(b) The following figures represent metal recovered as a by-product from flue dust up to and including 1944 and the antimony content of antimonial lead from 1945 (long tons): 1944—865; 1945—745; 1946—287; 1947—513; 1948—138; 1949—71; 1950—290.

(c) Average annual production during Japanese occupation (1942 to 1945).

(d) In addition the antimony content of antimonial slag obtained as a by-product of lead refinery during the years ended June 30 of that stated, was as follows: (long tons): 1944—379; 1945—386; 1946—540; 1947—149; 1948—131; 1949—265; 1950—(a).

(e) Estimated.

(f) United States Bureau of Mines.

(g) Secondary metal was recovered as follows (long tons): 1944—14,184; 1945—15,311; 1946—17,067; 1947—20,522; 1948—19,279; 1949—16,126; 1950—19,520.

(h) Revised.

EXPORTS OF ANTIMONY, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES								
United Kingdom—								
Regulus and refined ..	283	774	489	357	660	807	1,595	
Southern Rhodesia—								
Ore	238	52	26	105	5	76	87	
Union of South Africa—								
Ore	4,148	4,255	4,156	3,629	6,475	6,975	12,099	
Burma								
Ore	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Hong Kong (re-exports)—								
Crude and regulus ..	(a)	(a)	1,159	4,988	1,435	1,491	1,816	
Sarawak—								
Ore	(a)	(a)	—	—	2	2	5	
Australia—								
Ore and concentrates ..	(b) 8	628	95	113	—	56	53	
FOREIGN COUNTRIES								
Austria—								
Ore	(a)	(a)	(a)	148	365	496	—	
Belgium-Luxemburg E.U.—								
Regulus	145	(a)	(a)	(a)	1,714	1,419	2,394	
Czechoslovakia—								
Regulus	(a)	(a)	738	269	(c) 989	(a)	(a)	
Denmark—								
Regulus	5	—	—	49	13	10	(a)	
France—								
Crude and regulus ..	11	8	17	14	(a) 3	(a)	(a)	
Oxide, sulphide, etc. ..	1	—	4	3	3	18	53	
Germany—								
Ore, including arsenical								
ores	(d) 1,790	}	(a)	(a)	{	15	20	232
Regulus and scrap ..	(d) 87					—	10	
Oxide, etc.	(d) 39					14	193	
Italy—								
Regulus	—	—	46	13	152	99	—	
Netherlands—								
Regulus and scrap ..	—	(a)	—	8	24	6	6	
Portugal—								
Ore	94	136	2	18	69	59	(a)	
Spain—								
Regulus	142	15	20	5	—	—	(a)	
Sweden—								
Crude	—	3	13	44	16	28	29	
Regulus	—	—	5	11	3	2	6	
Yugoslavia—								
Regulus	(a)	(a)	(a)	(a)	(a)	(a)	1,630	

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF ANTIMONY, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Algeria—							
Ore	83	443	147	—	1,445	3,116	2,965
Morocco (French)—							
Ore	229	841	606	1,150	(a)	981	(a)
Morocco (Spanish)—							
Ore	320	100	231	—	(a)	(a)	(a)
Honduras—							
Ore (<i>Sb content</i>) ..	70	(a)	(a)	(a)	10	(a)	(a)
Mexico—							
Ore	27,931	21,423	16,936	19,763	26,865	9,308	9,371
Concentrates	381	543	137	151	245	47	—
Regulus	620	31	73	107	79	739	1,274
<i>Sb content</i> (b)	10,115	7,878	5,906	5,965	6,462	(a)	(a)
United States—							
Ore	44	222	2	691	61	31	6
Metal	622	74	410	249	230	402	132
Oxide and sulphide ..	411	107	—	(a)	(a)	(c) 199	164
Bolivia—							
Ore (<i>Sb content</i>) ..	7,330	5,448	6,854	10,686	12,066	10,113	8,630
Peru—							
Ore and metal (<i>Sb content</i>)	977	2,231	1,079	1,029	1,336	676	992
China—							
Crude	—	—	—	49	376	(a)	(a)
Regulus	—	—	4,658	8,390	4,249	(a)	(a)
Oxide	—	—	—	3	(a)	(a)	(a)
Japan—							
Regulus (<i>Sb content</i>) ..	—	—	(a)	236	(a)	(a)	2
Turkey—							
Ore	—	—	120	295	1,497	268	1,434
Regulus	(a)	(a)	(a)	(a)	(a)	171	95

(a) Information not available.

(b) Total metal content of above items and *not* additional.

(c) Total compounds.

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore and concentrates (d)	9,366	9,470	10,470	12,215	14,791	11,694	14,172
Refined and regulus ..	—	—	477	105	(e) 1	5	(a)
Southern Rhodesia—							
Crude and regulus ..	9	4	1	16	5	6	14
Union of South Africa—							
Crude and regulus ..	273	196	55	108	27	93	(a)
Canada—							
Regulus	696	462	831	1,286	488	1,153	1,434
Hong Kong (total imports)—							
Ore	} (a)	(a)	{ —	19	} 2,142	1,954	168
Crude and regulus ..							
Australia—							
Concentrates	—	40	411	1,127	1,062	551	709
Crude and regulus ..	—	—	—	3	1	11	339
Sulphide	—	—	—	1	—	—	—
New Zealand—							
Antimony	130	—	—	66	163	86	109
FOREIGN COUNTRIES							
Austria—							
Regulus	(a)	(a)	(a)	81	70	204	129
Belgium-Luxemburg E.U.—							
Ore	—	(a)	(a)	(a)	(a)	(a)	(a)
Regulus	—	(a)	(a)	(a)	35	16	27
Denmark—							
Regulus	6	39	192	254	231	132	(a)
France—							
Ore	(a)	1,267	1,411	2,354	(a)	(a)	(a)
Crude and regulus ..	(a)	418	716	2,095	(a)	(a)	(a)
Oxide and sulphide ..	(a)	—	16	20	—	(c) 4	(c) 25
Germany—							
Ore and matte	(b) 25	} (a)	(a)	(a)	{ 654	490	1,197
Regulus and scrap ..	(b) 1,259						
Oxide, etc.	(b) 2						
Regulus	2	—	96	75	38	51	246
Oxide	(a)	—	10	36	12	51	338
Netherlands—							
Regulus and scrap ..	(a)	(a)	370	663	332	533	448
Norway—							
Regulus	4	23	115	50	136	22	(a)
Portugal—							
Crude and alloys ..	9	9	17	31	25	8	(a)
Oxide	(a)	31	6	28	29	15	(a)
Sulphide	(a)	10	14	2	1	—	(a)
Spain—							
Sulphide	—	3	15	2	7	2	(a)
Sweden—							
Crude	—	14	119	75	63	50	(a)
Regulus	51	20	321	300	366	184	(a)
Switzerland—							
Regulus	39	46	290	368	249	169	263

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) Oxide only.

(d) Including crude.

(e) Excess of re-exports.

IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Algeria—							
Regulus	—	12	36	13	74	6	(a)
Tunis—							
Regulus and sulphide ..	100	9	8	4	13	(a)	(a)
Mexico—							
Oxide and sulphide ..	62	46	50	28	3	(a)	(a)
United States—							
Ore (<i>Sb content</i>) ..	15,250	20,217	5,271	8,288	12,083	6,673	8,717
Regulus, crude, etc. ..	262	560	2,315	5,264	3,312	1,727	4,153
Oxide	—	—	—	—	—	50	1,035
Argentina—							
Ore	378	527	761	(a)	(a)	(a)	(a)
Regulus and crude ..	16	—	3	(a)	(a)	(a)	(a)
Brazil—							
Metal	210	65	223	386	51	(a)	(a)
Oxide	(a)	13	56	62	43	(a)	(a)
Sulphide	(a)	42	209	98	76	(a)	(a)
Chile—							
Regulus	73	41	115	35	53	(a)	(a)
Oxide and sulphide ..	25	13	1	(a)	(a)	(a)	(a)
Peru—							
Regulus and sulphides ..	2	9	7	(a)	(a)	(a)	(a)
Uruguay—							
Regulus	—	(a)	(a)	(a)	(a)	(a)	(a)
Japan—							
Ore and metal (<i>Sb content</i>)	90	—	(a)	(a)	(a)	(a)	91
Turkey—							
Regulus	3	3	11	4	10	4	—

(a) Information not available.

ARSENIC
PRODUCTION OF ARSENIC
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
White arsenic and arsenic soot	139	115	145	90	(a)	(a)	(a)
Southern Rhodesia—							
White arsenic	844	436	212	409	279	146	112
Union of South Africa—							
White arsenic	—	45	8	2	9	—	—
Canada—							
White arsenic	1,173	913	333	352	519	235	241
India—							
Orpiment	—	8	—	—	—	—	—
Pakistan—							
Orpiment	(b)	(b)	36	—	—	—	—
Australia—							
White arsenic	2,339	1,989	1,624	1,191	512	253	200
New Zealand—							
White arsenic	16	17	18	8	8	19	10
FOREIGN COUNTRIES							
Belgium (exports)—							
White arsenic	—	(a)	(a)	(a)	149	519	1,879
Finland—							
Concentrates (<i>As content</i>)	—	—	—	—	—	30	67
France—							
White arsenic	2,214	1,856	4,079	3,261	2,931	2,552	(a)
Germany (exports)—							
White arsenic	(c) 570	(a)	(a)	(a)	36	1,064	1,106
Greece—							
White arsenic	—	—	8	14	19	20	32
Italy—							
Mispickel (<i>As content</i>) ..	190	90	840	1,654	340	490	95
White arsenic	250	100	1,400	1,600	1,700	1,420	670
Portugal—							
White arsenic	342	239	500	989	1,590	960	598
Spain—							
White arsenic	332	(a)	(a)	477	564	122	472
Sweden—							
Ore (<i>As content</i>) (e) ..	6,466	3,757	3,010	2,663	2,682	2,437	(a)
Mexico—							
White arsenic	15,064	14,776	9,496	9,533	7,452	3,520	8,845
United States—							
White arsenic	32,227	21,740	9,117	16,746	17,292	11,424	11,851
Brazil—							
White arsenic	828	947	816	985	1,003	943	1,050
Peru—							
White arsenic	6,740	3,149	741	598	995	—	(a)
Iran—							
Ore	(a)	(a)	(a)	500	(a)	(a)	750
Japan—							
White arsenic	(d) 1,393	(a)	1,075	1,385	2,052	2,762	(a)

White arsenic is also produced in U.S.S.R., China and Korea.

(a) Information not available.

(b) Included with India.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(d) Incomplete.

(e) Directly usable ore only. Figures for concentrates are not available.

EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
White arsenic	1	6	} 532	327	146	146	4,554
Other compounds of arsenic	4	2					
Southern Rhodesia—							
White arsenic	12	3	—	10	—	—	—
Canada—							
White arsenic, etc. ..	2,677	2,710	767	1,951	1,809	1,732	1,593
Hong Kong (re-exports)—							
Arsenic	(a)	(a)	—	1	(a)	(a)	(a)
Australia—							
White arsenic	} (b) 101	(b) 63	{ (b) 12	(b) 12	(b) 14	24	16
Other compounds ..								(b) 20	(b) —	(b) 35	68	64
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Sulphide	27	(a)	(a)	(a)	109	50	124
White arsenic	—	(a)	(a)	(a)	149	519	1,879
Arsenates	(a)	(a)	(a)	(a)	940	223	877
France—							
White arsenic	418	1	3	83	27	64	834
Arsenate of lead ..	22	14	940	3,240	132	19	44
Other arsenates ..	(e) —	(e) 28	(e) 10	(e) 139	1,533	439	497
Germany—							
Ore, including antimony ore	(c) 1,790	(a)	(a)	(a)	15	20	232
White arsenic, etc. ..	(c) 570	(a)	(a)	(a)	36	1,064	1,106
Italy—							
White arsenic	(a)	(a)	(a)	—	964	345	36
Portugal—							
Ore	—	—	170	39	299	—	(a)
White arsenic	867	138	299	719	1,104	732	(a)
Mexico—							
White arsenic, pure ..	4,933	7,833	6,517	6,848	6,104	4,610	7,628
do. crude	8,035	7,472	3,493	3,040	1,657	106	—
Ores and concentrates ..	1,157	233	152	—	83	—	(a)
As ₂ O ₃ content (d) ..	13,409	14,251	9,211	8,981	7,152	(a)	(a)
United States—							
White arsenic	2,144	766	(a)	(a)	(a)	(a)	(a)
Arsenate of lead ..	1,904	2,830	1,248	1,386	910	384	464
Arsenate of lime ..	1,076	1,562	3,070	2,218	2,040	1,807	1,722
Peru—							
White arsenic	4,172	4,207	2,846	441	570	366	(a)
Turkey—							
Ore	6	1	—	3	1	2	5

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(d) Total content of above items and *not* additional.

(e) Arsenate of soda only.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
White arsenic	4,345	2,476	4,269	5,706	7,387	2,965	5,803
Other compounds ..	—	—	—	1	—	(e) 1	—
Union of South Africa—							
Arsenate of soda (b) ..	—	52	33	14	—	—	(a)
Canada—							
Sulphide	1	—	—	} 110	38	115	7
White arsenic	—	—	—		2	—	—
Arsenate of lead	—	—	—		—	—	—
Arsenate of lime	—	14	27	—	—	—	—
Hong Kong (total imports)—							
Arsenic	(a)	(a)	—	5	(a)	(a)	(a)
India—							
Arsenic and its oxides ..	2	125	131	990	135	64	73
Australia—							
White arsenic	—	10,113	1,645	1,586	1,227	1,271	1,643
Other compounds	2	16	66	56	156	147	122
New Zealand—							
White arsenic, etc. ..	25	125	31	56	16	70	29
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
White arsenic	—	(a)	(a)	(a)	394	104	97
Bulgaria—							
White arsenic	—	—	12	(a)	(a)	(a)	(a)
Czechoslovakia—							
Sulphide	} (a)	(a)	20	102	(c) 33	(a)	(a)
Metallic arsenic			1	16	(c) 13	(a)	(a)
White arsenic			68	88	(c) 138	(a)	(a)
France—							
Sulphide	—	—	2	6	(a)	(a)	(a)
Metallic arsenic	—	—	—	4	(a)	(a)	(a)
White arsenic	—	—	258	394	1,057	434	65
Arsenate of lead	—	—	2	41	—	—	—
Germany—							
White arsenic, etc. ..	(d) 157	(a)	(a)	(a)	3,004	51	2,680
Italy—							
White arsenic	(a)	(a)	(a)	249	459	381	213
Metallic arsenic	—	—	—	2	1	—	—
Portugal—							
Metallic arsenic	—	1	—	1	1	—	(a)
White arsenic	—	—	49	1	1	—	(a)
Arsenate of soda	3	6	8	3	—	2	(a)
Spain—							
Arsenic	—	1	2	—	—	—	(a)
Algeria—							
White arsenic	—	2	—	11	3	49	(a)
Sulphide	—	—	—	2	—	2	(a)
Arsenates	271	279	107	177	27	18	(a)
Madagascar—							
Arsenates	25	20	22	36	10	(a)	(a)

(a) Information not available.

(b) Includes arsenite of soda.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

(e) Excess of re-exports.

IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Tunis—							
Sulphide	—	—	—	—	1	(a)	(a)
Arsenates	10	5	5	—	1	(a)	(a)
United States—							
Metallic arsenic	10	23	41	8	16	20	62
White arsenic	8,688	11,282	12,340	12,446	8,336	4,193	13,191
Sulphide	—	994	39	20	40	20	66
Arsenates of lime and soda	—	—	—	—	—	—	151
Argentina—							
Sulphide	—	—	2	(a)	(a)	(a)	(a)
White arsenic	1,403	1,012	708	(a)	(a)	(a)	(a)
Compounds	—	—	5	(a)	(a)	(a)	(a)
Brazil—							
White arsenic	1,739	2,024	654	791	360	(a)	(a)
Chile—							
Metallic arsenic	—	—	25	}	(a)	(a)	(a)
White arsenic	8	15	21				
Arsenate of lead	162	97	13				
Other arsenic compounds	—	3	6				
Colombia—							
White arsenic, etc.	(a)	155	28	(a)	(a)	(a)	(a)
Uruguay—							
White arsenic	882	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
White arsenic	(a)	—	32	109	(a)	(a)	(a)
Turkey—							
Arsenic compounds	11	50	24	44	15	22	11

(a) Information not available.

ASBESTOS

PRODUCTION OF ASBESTOS

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950 ^{1*}
BRITISH COUNTRIES							
Kenya	336	385	162	573	502	705	225
Southern Rhodesia	52,047	50,312	49,886	48,298	61,355	71,105	63,863
Swaziland	29,160	20,907	28,695	24,959	28,956	30,328	29,167 ^{3 1/2}
Union of South Africa—							
Amosite	20,400	14,944	8,782	16,791	27,127	37,615	37,851
Blue	8,630	8,635	7,760	8,106	9,735	18,695	27,320
Chrysotile	1,798	1,576	1,487	2,012	3,962	6,796	12,798
Anthophyllite	48	38	27	27	12	137	79
Canada (b)—							
Chrysotile	374,344	416,871	498,376	590,911	639,972	513,309	781,557
Crude	1,381	876	663	855	872	581	807
Fibre	169,851	196,221	203,780	198,389	216,029	173,735	272,495
Shorts	203,112	219,774	293,933	391,667	423,071	338,992	508,255
Sand and gravel (waste rock only) (c)	4,037	4,562	5,658	8,580	39,433	31,510	42,863
Cyprus	2,528	3,132	4,077	6,687	7,978	12,358	14,752
India	583	820	293	160	28	146	207
Australia	764	1,629	620	1,377	1,327	1,645	1,617
New Zealand	17	2	—	—	—	—	—
Total	490,000	519,000	600,000	700,000	781,000	693,000	969,400
FOREIGN COUNTRIES							
Finland	7,611	4,131	5,690	6,252	10,647	10,320	10,776
France	31	394	566	919	1,288	1,073	(a)
Greece	—	—	4	39	9	9	30
Italy	6,708	5,068	8,675	10,303	12,838	15,122	21,094
Portugal	32	20	12	90	407	99	253
Spain	—	—	—	—	34	40	(a)
Egypt	236	84	64	999	1,599	115	256
Madagascar	3	1	1	—	—	2	—
Morocco (French)	498	472	439	778	394	396	503
United States—							
Chrysotile	6,398	10,702	12,489	21,841	} 33,247	38,320	37,887
Amphibole	350	214	390	605			
Argentina	287	151	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)	13	60	—	139	—	—	—
Brazil	452	2,680	1,195	2,589	1,283	1,393	(a)
Chile	(a)	(a)	(a)	(a)	148	582	169
Venezuela	(a)	(a)	64	236	189	194	187
French Indo-China	2,410	—	—	—	—	—	—
Japan—							
Chrysotile	8,091	4,915	3,891	3,640	4,517	5,126	} 4,807
Amphibole	4,605	3,002	43	542	216	244	
Korea (Southern)	4,052	1,282	(a)	(a)	(a)	(a)	(a)
Turkey	230	136	54	35	200	167	241
Total*	42,000	31,000	32,000	49,000	67,000	73,000	79,000
WORLD'S TOTAL* ..	532,000	550,000	632,000	749,000	848,000	766,000	1,048,000

* Excluding asbestos produced in Czechoslovakia, Roumania, U.S.S.R., and China.

(a) Information not available.

(b) Sales and shipments.

(c) Not included in total.

EXPORTS OF ASBESTOS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Unmanufactured—							
Crude and fibre ..	2	156	632	830	1,136	1,923	2,434
Waste, incl. asbestic ..	126	251	296	1,221	638	920	1,163
Packing, etc. ..	2,852	5,628	10,335	10,816	12,624	11,388	10,683
Cement products ..	18,328	23,815	39,443	80,181	107,790	116,393	107,978
Yarn and cloth ..	648	1,052	1,708	1,696	1,887	2,002	1,995
Other manufactures ..	1,771	3,158	7,243	6,780	8,908	8,593	7,851
Kenya and Uganda (c)—							
Manufactured ..	(£3)	(£110)	37	202	5	(a)	(a)
Southern Rhodesia—							
Unmanufactured ..	41,746	44,867	55,129	50,290	60,503	65,007	65,874
Cement sheets ..	(£3,297)	(£19,008)	(£23,631)	(£17,961)	(£29,734)	(£122,052)	(£134,635)
Other manufactures ..	(a)	(£5,099)	(£5,426)	(£15,448)	(£10,446)	(£26,581)	(£40,487)
Union of South Africa—							
Unmanufactured ..	52,034	35,983	42,762	57,827	57,127	82,244	90,400
Manufactured (£ S.A.)..	(£42,189)	(£96,705)	(£70,071)	(a)	(a)	(a)	(a)
Canada—							
Crude ..	1,376	771	571	851	779	563	754
Fibre ..	162,204	187,290	192,172	199,726	211,676	162,179	258,748
Shorts and waste ..	189,936	205,294	271,707	368,080	404,012	314,927	481,550
Manufactured ..	(£41,391)	(£76,775)	(£53,635)	(£49,292)	(£143,960)	(£96,969)	(£237,958)
Malaya (incl. re-exports)—							
Sheets ..	(a)	(a)	2	174	854	1,966	3,061
Other manufactures ..	(a)	(a)	9	5	25	93	59
Cyprus—							
Unmanufactured ..	2,186	3,445	6,606	7,021	7,980	11,098	15,471
Hong Kong (re-exports)—							
Manufactures ..	(a)	(a)	(£5,082)	(£11,608)	(£12,984)	(£44,188)	(£114,976)
Australia—							
Unmanufactured ..	(a)	32	496	652	278	344	385
Packing (£ Australian) (d)	(£1,622)	(£487)	(£12,511)	(£8,382)	(£5,459)	—	(£22,525)
New Zealand—							
Unmanufactured ..	(a)	(a)	(a)	(a)	21	—	—
FOREIGN COUNTRIES							
Austria—							
Unmanufactured ..	(a)	(a)	(a)	283	29	61	21
Manufactured ..	(a)	(a)	(a)	2	44	50	65
Belgium-Luxemburg E.U.—							
Unmanufactured ..	—	(a)	(a)	(a)	36	685	626
Spun and woven ..	—				200	205	291
Paper and board ..	8				540	386	340
Cement sheets and tiles	15,108		(a)	(a)	25,275	35,614	58,229
Other manufactures ..	—				63	25	32
Czechoslovakia—							
Unmanufactured ..			10	—	(b) —	(a)	(a)
Spun and woven ..			4	33	(b) 44	(a)	(a)
Paper and board ..	(a)	(a)	197	108	(b) 51	(a)	(a)
Other manufactures ..			17	64	(b) 21	(a)	(a)
Finland—							
Unmanufactured ..	2,030	945	995	1,583	2,472	1,798	(a)
Manufactured ..	848	409	614	820	1,054	980	(a)
France—							
Unmanufactured ..	1	1	76	137	264	445	2,062
Spun and woven ..	18	25	199	329	498	510	539
Paper and board ..	1	40	226	360	346	306	287
Brake linings ..	—	3	21	66	(a)	(a)	(a)

(a) Information not available.

(b) January to October only.

(c) Crude asbestos is also exported but actual amounts are not available.

(d) Years ended 30 June of that stated.

EXPORTS OF ASBESTOS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Germany—							
Unmanufactured ..	(b) 228	} (a)	(a)	(a)	{ —	—	15
Spun and woven ..	(b) 129						48
Paper and board ..	(b) 351						2
Other manufactures ..	(b) 290						54
Italy—							
Unmanufactured ..	(a)	(a)	(a)	1,313	3,283	3,962	2,841
Manufactured ..	(a)	(a)	(a)	5,631	7,269	15,369	31,773
Netherlands—							
Unmanufactured ..	(a)	(a)	—	17	8	41	8
Cement sheets, tiles, etc.	(a)	(a)	—	1,098	262	450	862
Portugal—							
Unmanufactured ..	10	2	—	14	172	35	(a)
Spain—							
Unmanufactured ..	6	10	3	7	9	1	(a)
Manufactured ..	103	66	77	75	35	35	(a)
Sweden—							
Unmanufactured ..	—	—	—	109	—	1	240
Manufactured ..	—	7	33	55	20	14	19
Switzerland (including mica)—							
Unmanufactured ..	—	—	1	1	49	61	91
Manufactured ..	19	13	243	372	399	262	281
United States—							
Unmanufactured ..	424	7,634	9,831	1,863	5,830	15,733	16,876
Spun, woven and packing	969	1,486	2,078	1,876	1,406	1,079	1,085
Paper and board ..	690	673	583	963	1,463	—	—
Brake linings ..	(£412,192)	(£451,367)	(£627,251)	(£858,551)	(£655,638)	(£954,219)	(£1,223,801)
Clutch facings ..	(£140,857)	(£138,135)	(£124,081)	(£197,193)	(£136,709)	(£141,575)	(£206,083)
Pipe covering and cement	1,525	1,629	985	2,469	1,428	3,872	1,021
Other manufactures ..	4,778	5,398	7,602	5,004	3,319	19,073	11,540
Argentina—							
Manufactured ..	18	19	4	(a)	(a)	(a)	(a)
Bolivia—							
Unmanufactured ..	13	60	—	139	—	(a)	(a)
Brazil—							
Unmanufactured ..	—	—	—	50	—	(a)	(a)
Peru—							
Manufactured ..	(a)	123	620	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Unmanufactured—							
Crude and fibre	69,445	64,280	53,505	66,788	86,827	92,277	109,498
Waste, including asbestic	1,687	1,446	1,217	4,397	5,526	3,231	10,208
Packing, etc.	2	7	15	—	9	7	(a)
Cement products	1,121	—	932	2,050	1,030	3,328	6,521
Other manufactures	1	10	4	37	147	(a)	150
Anglo-Egyptian Sudan—							
Sheets, pipes, etc.	27	517	701	877	3,097	3,485	2,062
Kenya and Uganda—							
Manufactured	12	120	551	1,149	3,149	3,399	4,240
Mauritius—							
Manufactured	(a)	(£1,746)	(a)	(£5,317)	(£1,748)	26	16
Nyasaland—							
Cement sheets, etc.	(a)	(a)	494	1,033	1,231	1,199	1,817
Seychelles—							
Cement sheets	—	—	22	83	269	272	—
Southern Rhodesia (total imports)—							
Cement sheets	(£6,524)	(£7,693)	(£4,764)	(£3,645)	(£8,524)	(£26,307)	(£20,274)
Other manufactures	(£23,628)	(£29,195)	(£18,544)	(£1,150)	(£2,583)	(£3,667)	(£4,083)
South West Africa—							
Cement sheets (£ S.A.)	(£5,677)	(£8,541)	(£7,710)	(a)	(a)	(a)	(a)
Other manufactures (£ S.A.)	(£2,560)	(£2,686)	(£4,680)	—	—	—	(a)
Tanganyika—							
Manufactured	44	132	122	915	1,389	2,765	2,918
Union of South Africa—							
Packing (£ S.A.)	(£58,133)	(£68,864)	(£98,000)	(c)	(c)	(c)	(c)
Cement products (£ S.A.)	—	(£300)	(£253)	(£26,185)	(£21,642)	(£9,266)	(a)
Other manufactures (£ S.A.)	(£8,324)	(£5,039)	(£8,787)	(£48,612)	(£134,801)	(£151,046)	(a)
Canada (c)—							
Packing	99	96	100	109	77	114	149
Other manufactures	(£421,855)	(£474,770)	(£494,032)	(£853,457)	(£896,673)	(£643,344)	(£797,705)
Newfoundland (b)—							
Asbestos and manufactures	(£11,560)	(£12,082)	(£13,387)	(£23,233)	(£21,103)	(b)	(b)
British West Indies—							
Barbados—							
Cement sheets	(a)	(£3,967)	(£10,583)	(£18,721)	(£12,973)	(£14,194)	(£17,148)
Bermuda—							
Sheets, etc.	(a)	(a)	(a)	(a)	(£8,185)	(£7,077)	(£2,388)
Grenada—							
Manufactured	(a)	(£8)	(£4,051)	(£1,271)	(£4,423)	(d) (£263)	(£825)
Jamaica—							
Manufactured	(a)	(a)	(a)	(£15,279)	(£47,525)	(£35,150)	(£55,789)
Trinidad and Tobago—							
Cement products	1,197	1,274	964	8,797	2,176	1,730	998
Other manufactures	101	145	143	104	254	174	215
Aden—							
Cement sheets	8	21	29	38	—	—	—
Other manufactures	(£1,364)	(£83)	(£897)	(£1,227)	—	—	—

(a) Information not available.

(b) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(c) Including Newfoundland from April 1, 1949.

(d) Excess of re-exports.

(e) Included with "Other manufactures."

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES (Cont.)								
Burma—								
Packing	(a)	(a)	(b) (£663)	(a)	(a)	(a)	(a)	
Cement products ..	(a)	(a)	(b) (£22)	(a)	(a)	(a)	(a)	
Other manufactures ..	(a)	(a)	(b) (£185)	(a)	(a)	(a)	(a)	
India—								
Unmanufactured ..	10,326	5,527	8,355	3,794	3,644	7,645	10,783	
Cement products ..	364	453	258	1,225	1,041	9,958	6,313	
Packing	(£31,469)	(£35,788)	(£51,372)	(£57,226)	(£74,421)	(£91,540)	(£24,652)	
Other manufactures ..	(£97,874)	(£112,701)	(£129,929)	(£138,997)	(£60,146)	(£202,061)	(£88,121)	
Malaya (c)—								
Sheets	(a)	(a)	1,780	6,396	12,042	6,429	8,267	
Other manufactures ..	(a)	(a)	645	1,412	1,156	1,341	2,402	
Cyprus—								
Sheets	1	(a)	89	585	889	487	328	
Other manufactures ..	(£1,275)	(£746)	(£3,838)	(£7,618)	(£5,569)	(£8,681)	(£10,372)	
Hong Kong (total imports)—								
Manufactures	(a)	(a)	(£9,185)	(£29,799)	(£17,261)	(£71,024)	(£155,009)	
Palestine—								
Manufactured	(£10,829)	(£9,531)	(£46,558)	(a)	(a)	(f)	(f)	
Sarawak—								
Sheets	(a)	(a)	(a)	(a)	138	124	233	
Australia—								
Crude	14,091	9,131	18,697	14,246	14,857	14,767	29,034	
Packing (£ Australian) ..	(£180,123)	(£197,093)	(£112,561)	(£109,455)	(£186,355)	(£363,123)	(£84,323)	
New Zealand—								
Unmanufactured ..	2,702	3,471	1,651	2,295	1,784	1,790	3,785	
Sheets, slates, tiles, etc.	(£N.Z.208)	(d) 89	(d) 610	(d) 47,491	(d) 467,878	(d) 310,094	(d) 447,426	
Lining and packing (£ N.Z.)	(a)	(£66,932)	(£70,256)	(£96,919)	(a)	(£92,816)	(£90,231)	
Irish Republic—								
Manufactured	781	800	1,717	2,036	2,184	6,426	5,763	
FOREIGN COUNTRIES								
Austria—								
Unmanufactured ..	(a)	(a)	(a)	833	1,563	1,989	3,441	
Manufactured	(a)	(a)	(a)	7	65	75	39	
Belgium-Luxemburg E.U.—								
Unmanufactured ..	2	(a)	(a)	(a)	17,111	14,563	21,510	
Spun and woven ..	7							
Paper and board ..	25							
Cement sheets and tiles ..	(a)							
Other manufactures ..	1							
Bulgaria—								
Unmanufactured ..	1	—	—	(a)	(a)	(a)	(a)	
Manufactured	12	1	34	(a)	(a)	(a)	(a)	
Czechoslovakia—								
Unmanufactured ..	(a)	(a)	886	2,146	(e) 5,501	(a)	(a)	
Spun and woven ..								2
Paper and board ..								6
Other manufactures ..								30
Denmark—								
Unmanufactured ..	175	1,152	3,405	6,865	6,083	4,930	9,828	
Spun and woven ..	13	5	120	106	128	114	(a)	
Paper and board ..	233	121	193	235	335	454	(a)	
Packing, etc.	96	25	367	267	219	174	(a)	
Cement sheets	1	—	36	30	19	20	(a)	

(a) Information not available.

(b) February to September only.

(c) Total imports.

(d) Square yards.

(e) January to October only.

(f) See "Israel" under Foreign Countries.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Finland (b)—								
Unmanufactured ..	2	2	190	222	517	548	(a)	
Manufactured	40	15	251	416	287	218	(a)	
France—								
Unmanufactured ..	268	9,628	36,735	18,722	20,369	24,923	33,028	
Spun and woven ..	7	1	672	84	155	88	88	
Paper and board ..	9	25	31	468	122	48	142	
Brake linings, etc. ..	14	5	86	34	(a)	(a)	(a)	
Germany—								
Unmanufactured ..	(c) 4,228	} (a)	(a)	(a)	} 3,233	7,527	13,638	
Spun and woven ..	(c) 53					12	153	405
Paper and board ..	(c) 437					133	623	348
Other manufactures ..	(c) 52					2	10	28
Greece	(a)	—	49	62	102	191	(a)	
Iceland—								
Unmanufactured ..	—	12	—	(a)	(a)	(a)	(a)	
Manufactured	159	230	230	(a)	(a)	(a)	(a)	
Italy—								
Unmanufactured ..	(a)	(a)	(a)	1,916	2,065	2,755	6,167	
Manufactured	(a)	(a)	(a)	263	366	340	614	
Netherlands—								
Unmanufactured ..	(a)	(a)	2,353	3,492	4,118	2,608	5,841	
Cement sheets, tiles, etc. ..	(a)	(a)	4,358	4,910	4,890	13,618	16,501	
Other manufactures ..	(a)	(a)	(a)	(a)	1,209	1,336	1,283	
Norway—								
Unmanufactured ..	424	740	1,397	1,908	1,312	2,023	2,634	
Manufactured	198	319	679	836	1,048	1,065	745	
Portugal—								
Unmanufactured ..	1,337	1,128	2,531	1,268	1,510	2,548	(a)	
Manufactured	46	33	62	72	122	48	(a)	
Spain—								
Unmanufactured ..	5,112	1,317	4,497	2,467	315	1,168	(a)	
Manufactured	259	334	582	237	96	324	(a)	
Sweden—								
Unmanufactured ..	1,195	7,665	5,161	8,259	3,563	8,957	(a)	
Manufactured	282	585	1,923	1,951	1,923	1,496	(a)	
Switzerland (including mica)—								
Unmanufactured ..	48	988	2,633	2,065	2,062	3,454	4,230	
Manufactured	517	105	1,279	1,255	1,473	1,002	1,491	
Algeria—								
Unmanufactured ..	10	—	21	58	448	488	(a)	
Manufactured	38	55	300	166	188	141	(a)	
Belgian Congo—								
Unmanufactured ..	829	402	(a)	(a)	(a)	(a)	(a)	
Egypt—								
Unmanufactured ..	71	295	(b) 154	(b) 155	(b) 450	(b) 316	(a)	
Paper and board ..	41	203	(b) 186	(b) 70	(b) 93	(b) 188	(a)	
Other manufactures ..	66	126	182	(b) 137	(b) 179	(b) 205	(a)	
Costa Rica—								
Unmanufactured ..	32	60	76	73	14	20	(a)	
Honduras—								
Manufactured	(a)	940	434	(a)	(a)	(a)	(a)	
Mexico—								
Unmanufactured ..	293	3,230	3,334	4,315	3,853	3,485	5,343	
Manufactured	411	788	840	750	1,001	(a)	(a)	
Netherlands West Indies—								
Manufactured	1,543	2,691	(a)	(a)	(a)	(a)	(a)	

(a) Information not available.

(b) Total imports.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—							
Unmanufactured—							
Crude	25,641	17,264	12,391	32,100	34,008	41,035	25,919
Mill fibre	132,231	122,726	136,817	143,761	157,954	113,172	157,571
Other	183,864	193,977	257,634	354,003	386,504	305,884	446,128
Manufactured	179	138	388	764	545	375	3,310
Argentina—							
Spun and woven	126	220	898	(a)	(a)	(a)	(a)
Paper and board	6,266	9,655	4,803	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Unmanufactured	1,662	1,992	3,046	3,130	4,893	(a)	(a)
Manufactured	597	930	2,054	2,088	1,586	(a)	(a)
Chile—							
Manufactured	2,254	1,676	1,970	(a)	(a)	(a)	(a)
Colombia—							
Unmanufactured	(a)	(a)	1,745	(a)	(a)	(a)	(a)
Manufactured	396	(a)	446	(a)	(a)	(a)	(a)
Uruguay—							
Unmanufactured	} 350	(a)	(a)	(a)	(a)	(a)	(a)
Manufactured							
Venezuela—							
Unmanufactured	(a)	57	175	771	(a)	(a)	(a)
Manufactured	(a)	5,409	20,455	24,251	(a)	(a)	(a)
China	(a)	(a)	562	764	712	(a)	(a)
Israel—							
Manufactured	(b)	(b)	(b)	(b)	(b)	(£38,048)	(£35,670)
Japan—							
Unmanufactured	(a)	(a)	(a)	(a)	(a)	1,181	(a)
Syria and Lebanon—							
Cement sheets, etc.	(a)	—	284	(a)	(a)	(a)	(a)
Other manufactures	(a)	7	46	(a)	(a)	(a)	(a)
Turkey—							
Manufactured	112	112	92	169	216	58	1,541

(a) Information not available.

(b) See "Palestine" under British Countries.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Barytes, unground ..	57,688	53,874	68,101	46,327	} 88,228	92,389	69,261
Witherite, unground ..	10,839	10,766	14,376	14,727			
Barytes—							
Ground, bleached ..	3,243	3,062	2,672	3,370	3,655	19	—
do. unbleached ..	27,066	25,513	25,776	30,222	29,881	24,925	22,796
Antigua (Leeward Islands)	71	357	51	14	—	—	—
Canada	105,999	124,633	107,517	114,888	85,488	42,088	52,677
Southern Rhodesia ..	13	—	171	18	50	480	257
South West Africa ..	—	—	—	—	—	47	—
Swaziland	—	(b) 78	(b) 220	(c) 169	(c) 97	(c) 102	(c) 434
Union of South Africa ..	3,150	2,174	2,289	2,629	1,706	2,209	2,232
India	15,299	24,655	29,091	24,310	23,143	21,118	(a)
Palestine	—	23	3	(a)	(a)	(a)	(a)
Australia	4,416	3,447	7,589	5,413	3,770	5,464	5,933
Irish Republic—							
Barytes, refined	5,496	6,690	6,130	6,298	3,197	3,597	(a)
do. unrefined	4,857	9,760	7,213	6,425	3,727	2,277	(a)
FOREIGN COUNTRIES							
Austria	—	—	803	1,912	3,781	8,130	9,959
France	9,424	13,577	34,024	53,118	55,826	29,817	(a)
Germany	(d) 272,659	(a)	(f) 1,968	(f) 10,388	(f) 18,767	(g) 126,186	(g) 226,632
Greece	—	—	—	(h) 12,783	18,411	15,359	20,471
Italy	23,781	11,747	31,624	67,650	61,251	45,880	47,382
Portugal	69	337	289	1,192	400	420	126
Spain	7,373	9,717	12,052	19,504	13,929	7,544	10,514
Sweden	(a)	1,230	497	1,298	1,884	908	(a)
Algeria	1,265	2,734	7,320	23,590	13,885	18,570	19,580
Egypt	58	53	—	164	—	30	—
Morocco (French)	—	—	—	—	—	—	4,834
Tunis	66	69	404	1,466	224	619	25
Cuba (h)	8,089	228	(a)	(a)	322	(a)	(a)
United States	459,050	618,152	647,521	789,481	694,501	652,954	620,905
Argentina	14,178	8,449	(a)	(a)	(a)	(a)	—
Brazil	278	607	10,163	13,750	(a)	(a)	—
Chile	1,581	3,110	3,693	(a)	2,107	1,437	1,246
Peru	2,315	4,173	7,073	6,456	1,759	6,250	(a)
Japan	11,859	7,421	709	929	3,281	9,126	14,232
Korea	5,551	(a)	(a)	(a)	(a)	(a)	—

Barytes is also produced in Czechoslovakia, Norway, U.S.S.R. and China.

(a) Information not available.

(b) Unground.

(c) Ground.

(d) Bavaria and Saxony only.

(e) April to December only.

(f) French Zone only.

(g) Bizonal area only.

(h) Exports.

EXPORTS OF BARIUM MINERALS, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES								
United Kingdom—								
Unground barytes ..	—	30	160	93	185	—	(a)	
Ground barytes ..	66	941	629	1,539	4,718	6,727	466	
Dioxide ..	40	68	183	10	31	44	} 3,221	
Barium, compounds, excluding blanc fixe ..	740	2,778	3,704	3,140	3,653	2,381		
Antigua (Leeward Is.)—								
Barytes ..	71	357	51	14	—	—	—	
Canada—								
Unground ..	60,000	41,000	75,965	67,300	34,461	(a)	(a)	
Ground ..	34,000	54,000	29,542	55,900	51,063	(a)	(a)	
Southern Rhodesia—								
Barytes ..	16	34	81	143	135	570	177	
South West Africa—								
Barytes ..	—	—	—	—	—	36	—	
India—								
Unground barytes ..	—	—	—	14,629	(a)	14,535	(a)	
Australia—								
Unground barytes ..	} (b) 522	(b) 1,217	{ 1,143	629	326	952	190	
Ground barytes ..				1,889	1,280	1,046	2,334	
Sulphate (b) ..				68	22	3	—	
Irish Republic—								
Unground barytes ..	267	2,330	732	80	594	(a)	(a)	
Ground barytes ..	4,419	4,250	6,473	3,205	2,504	2,277	2,241	
FOREIGN COUNTRIES								
Belgium-Luxemburg E.U.—								
Barytes and witherite ..	(c) 8	(a)	(a)	(a)	114	252	127	
Chloride ..	30	(a)	(a)	(a)	717	512	140	
Sulphate ..	—	(a)	(a)	(a)	(a)	(a)	1,166	
Sulphide ..	—	(a)	(a)	(a)	17	71	15	
Czechoslovakia—								
Barytes ..	(a)	(a)	—	35	(d) 52	(a)	(a)	
Sulphate ..	(a)	(a)	35	50	(d) 77	(a)	(a)	
France—								
Barytes ..	—	—	139	1,665	1,306	646	933	
Witherite ..	—	—	21	1,459	1,667	1,561	2,286	
Barium compounds ..	3	64	381	345	847	1,722	1,235	
Germany—								
Barytes and celestite ..	(e) 12,883	} (a)	(a)	(a)	{ 18,156	23,527	50,340	
Witherite and strontianite ..	(e) 62					185	20	
Carbonate ..	(e) 1,357					205	645	3,934
Chloride ..	(e) 808					225	1,405	2,668
Nitrate ..	(e) 118					45	28	37
Sulphate ..	(e) 4,128					234	2,174	7,480
Greece—								
Barytes ..	(a)	(a)	—	12,783	18,349	23,396	(a)	
Italy—								
Barytes ..	(a)	(a)	(a)	607	1,296	3,125	11,144	
Sulphate ..	(a)	(a)	(a)	10,243	8,886	11,651	1,097	
Netherlands—								
Barytes ..	(a)	(a)	—	16	132	148	—	
Sweden—								
Barytes and witherite ..	—	15	—	689	10	5	—	
Algeria—								
Barytes ..	267	561	4,480	17,245	13,956	11,037	(a)	

* For Lithopone, see "Zinc," pages 323-325.

(b) Years ended June 30 of that stated.

(d) January to October only.

(e) January to July only.

(a) Information not available.

(c) Including Iceland spar and cryolite.

Figures for 1948 onwards refer to Western Germany.

EXPORTS OF BARIUM MINERALS, ETC.* (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Tunis—							
Barytes	(a)	(a)	(a)	(a)	37	(a)	(a)
Cuba—							
Barytes	8,089	228	(a)	(a)	322	—	(a)
United States—							
Witherite.. .. .	26	—	—	(a)	(a)	(a)	(a)
Chile—							
Barytes	20	—	—	(a)	(a)	(a)	(a)

* For Lithopone, see "Zinc," pages 323-325.

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Unground barytes ..	300	1,693	19,619	13,224	10,131	14,973	17,390
Ground barytes ..	4,304	3,968	15,059	17,673	9,934	14,385	17,493
Barium compounds, excluding blanc fixe ..	—	—	1	6	1,340	573	279
Union of South Africa—							
Barytes	300	207	604	664	600	868	(a)
Carbonate and dioxide ..	128	105	311	251	95	195	(a)
Canada—							
Barytes	1,629	1,027	1,381	1,551	1,128	838	1,865
Blanc fixe	245	311	355	274	624	747	644
British West Indies—							
Trinidad and Tobago—							
Barytes	6,720	19,327	9,421	16,642	22,898	21,573	20,167
India—							
Barytes	23	11	9	70	11	—	6
Australia (d)—							
Barytes	—	14	—	—	—	3	59
Carbonate	(a)	(a)	180	51	299	55	326
Chloride	57	146	49	100	104	84	128
Sulphate	(a)	(a)	154	169	68	27	213
Other compounds ..	(a)	(a)	3	25	19	12	21
New Zealand—							
Barytes	(a)	1,156	1,551	505	1,474	668	1,147
Irish Republic—							
Ground barytes, including blanc fixe	1	—	4	6	26	20	235
FOREIGN COUNTRIES							
Austria—							
Barytes	(a)	(a)	(a)	1,316	1,769	5,490	6,725
Carbonate	(a)	(a)	(a)	25	90	180	373
Belgium-Luxemburg E.U.—							
Barytes and witherite ..	(b) 343	(a)	(a)	(a)	33,836	3,663	21,314
Carbonate	(a)	(a)	(a)	(a)	1,458	738	2,334
Chloride	43	(a)	(a)	(a)	186	347	842
Sulphate	1,235	(a)	(a)	(a)	(a)	(a)	6,796
Sulphide	197	(a)	(a)	(a)	(a)	(a)	—
Czechoslovakia—							
Unground barytes ..	}	(a)	}	1,823	(c) 1,079	(a)	(a)
Ground barytes ..				10	(c) —	(a)	(a)
Carbonate				357	(c) 500	(a)	(a)
Chloride				416	(c) 397	(a)	(a)
Sulphate				235	(c) 246	(a)	(a)
Denmark—							
Witherite and carbonate	269	100	135	53	172	73	(a)
Chloride	42	1	190	73	54	113	(a)
Sulphate	1,518	47	466	1,050	1,318	716	(a)
Finland (total imports)—							
Barytes	431	10	396	2	181	170	(a)
Chloride	15	1	63	128	20	—	(a)
Carbonate	32	10	76	25	23	—	(a)
Sulphate	21	7	43	35	79	250	(a)

* For Lithopone, see "Zinc," pages 326-329.

(a) Information not available.

(b) Including Iceland spar and cryolite.

(c) January to October only.

(d) Years ended June 30 of that stated up to 1948 inclusive.

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
France—							
Barytes	242	175	1,197	8,015	12,272	21,099	41,567
Witherite	—	242	349	93	(a)	(a)	(a)
Chloride	51	63	434	45	—	—	5
Hydrate	—	—	2	11	—	15	27
Nitrate	11	—	4	—	(a)	(a)	(a)
Precipitated carbonate ..	230	25	806	850	104	—	2
Sulphate	310	30	328	552	238	210	339
Sulphide	3	14	46	50	(a)	(a)	(a)
Germany—							
Barytes and celestite ..	(b) 2,381	(a)	(a)	(a)	—	—	220
Witherite and strontianite	(b) —	(a)	(a)	(a)	—	2	—
Italy—							
Sulphate	(a)	(a)	(a)	10	21	1	33
Netherlands—							
Barytes	(a)	(a)	1,61	14,024	9,202	10,500	26,236
Blanc fixe	(a)	(a)	746	1,117	653	596	615
Poland—							
Carbonate	(a)	—	5	(a)	(a)	(a)	(a)
Portugal—							
Barytes	—	—	—	—	—	—	(a)
Carbonate	12	—	5	11	3	—	(a)
Chloride	—	130	75	46	27	30	(a)
Sulphate	12	31	83	79	32	49	(a)
Sweden—							
Barytes and witherite ..	2,268	3	968	2,557	1,883	1,739	(a)
Algeria—							
Barytes	2	48	139	69	84	4	(a)
Oxide, etc.	—	—	—	—	—	10	(a)
Mexico—							
Barytes	119	218	31	473	123	(a)	(a)
Witherite	50	67	111	(a)	(a)	(a)	(a)
Chloride	28	7	24	(a)	(a)	(a)	(a)
United States—							
Unground barytes	60,614	50,798	39,877	47,520	47,504	23,373	52,126
Ground barytes	10,682	1	—	—	—	188	605
Witherite	—	800	1,008	10	2,205	1,886	1,865
Sulphate	—	—	—	(a)	(a)	1	47
Barium compounds	—	90	—	64	135	85	419
Argentina—							
Barytes	15	—	1,099	(a)	(a)	(a)	(a)
Sulphate	61	63	623	(a)	(a)	(a)	(a)
Barium compounds	47	651	829	(a)	(a)	(a)	(a)
Brazil—							
Chloride	9	83	121	52	26	(a)	(a)
Sulphate	421	171	579	442	250	(a)	(a)
Chile—							
Sulphate	9	10	3	} (a)	(a)	(a)	(a)
Carbonate	6	15	29				
Chloride	—	101	103				
Oxides	44	32	16				
Colombia—							
Chloride	(a)	1	4	(a)	(a)	(a)	(a)
Sulphate	8	795	1,613	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru—							
Barium compounds ..	74	65	33	(a)	(a)	(a)	(a)
Uruguay—							
Oxides	27	(a)	(a)	(a)	(a)	(a)	(a)
Sulphate	598	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Barytes	(a)	35,219	23,919	43,987	(a)	(a)	(a)
Sulphate	(a)	34	3	5	(a)	(a)	(a)
Japan—							
Barytes	7,000	5,575	—	—	—	—	3
Turkey—							
Barytes	—	4	98	37	20	32	28
Sulphate	—	—	—	—	25	8	(a)
Barium compounds ..	4	107	8	36	70	48	72

(a) Information not available

BISMUTH

PRODUCTION OF BISMUTH ORE, ETC.*

(Cwt.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Southern Rhodesia— Bismuth	—	—	—	—	2	—	—
Uganda— Ore (<i>Bi content</i>) ..	—	—	—	—	78	148	72
Union of South Africa— Ore (<i>Bi content</i>) ..	16	12	14	—	9	119	180
Canada— Metal and content of bullion exported ..	1,106	1,695	2,147	2,539	2,145	919	1,991
Australia— Concentrates (<i>Bi content</i>)	70	64	22	86	80	16	1
FOREIGN COUNTRIES							
France— Mispickel (<i>Bi content</i>) ..	60	—	—	1,080	1,100	1,161	—
Spain— Ore	1,195	1,046	2,341	1,190	851	1,634	926
Sweden— Metal	—	—	245	216	—	—	—
Yugoslavia (exports)— Bismuth	(a)	(a)	(a)	(a)	(a)	(a)	740
Belgian Congo— Ore (<i>Bi content</i>) ..	(a)	(a)	(a)	16	9	11	13
Mexico— Ore (<i>Bi content</i>)	3,248	3,170	498	5,021	3,161	6,089	5,192
Bolivia (exports)— Ore, etc. (<i>Bi content</i>) ..	12	302	549	1,751	692	(a)	(a)
Peru— Lead-tin-antimony bars (<i>Bi content</i>)	—	—	1,765	60	930	—	(a)
Metal	8,192	6,052	4,366	4,602	4,052	4,246	(a)

* Bismuth ore is also produced in Germany, Roumania, Argentina, Burma and China and the metal recovered as a by-product in the United Kingdom, U.S.S.R., United States and Japan.

(a) Information not available.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom— Bismuth	101	11	413	841	2,200	3,553	3,830
Uganda— Ore (<i>Bi content</i>) ..	—	—	—	—	53	97	72
Union of South Africa— Bismuth	(a)	(a)	15	—	9	196	286
Hong Kong (re-exports)— Ore	(a)	(a)	40	215	(a)	(a)	(a)
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.— Bismuth	(a)	(a)	(a)	(a)	571	472	216
Salts	(a)	(a)	(a)	(a)	—	708	—
France— Bismuth salts	(a)	—	45	63	(a)	(a)	(a)
Germany— Bismuth salts	(b) 79	(a)	(a)	(a)	2	4	756
Spain— Bismuth	—	—	—	—	—	—	(a)
Bismuth salts	1	—	—	—	—	—	(a)
Yugoslavia— Bismuth	(a)	(a)	(a)	(a)	(a)	(a)	740
Mexico— Bars, etc. (<i>Bi content</i>) ..	3,302	3,176	1,499	3,871	4,626	9,637	8,196
United States— Matte, residues, etc. ..	—	—	839	(a)	(a)	(a)	70
Metal and alloys	91	1,032	1,367	2,150	3,143	1,704	1,779
Salts	984	1,102	(a)	(a)	(a)	(a)	(a)
Bolivia— Ore, etc. (<i>Bi content</i>) ..	12	302	549	1,751	692	(a)	(a)
Chile— Bismuth	276	—	—	(a)	(a)	(a)	(a)
Salts	3	15	97	87	29	(a)	(a)
Peru— Bars, etc. (<i>Bi content</i>) ..	8,783	6,277	6,334	4,311	5,334	4,376	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF BISMUTH, ETC.
(Less Re-exports)
(Cwt.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bismuth	7,021	1,990	3,171	2,407	3,938	3,227	3,383
Canada—							
Bismuth	—	—	—	36	1,489	2,435	—
Bismuth salts	(£599)	(£2,531)	(£3,001)	(£1,730)	(£3,497)	(£6,411)	(£7,623)
Hong Kong (total imports)—							
Ore	(a)	(a)	40	215	(a)	(a)	(a)
Australia—							
Bismuth	(a)	(a)	8	314	463	263	125
Bismuth salts	191	373	174	32	120	124	2
New Zealand—							
Bismuth and its salts (£ N.Z.)	(£9,478)	(£44,447)	(£2,785)	(£1,386)	—	5	6
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bismuth	(a)	(a)	(a)	(a)	20	—	20
Bismuth salts	(a)	(a)	(a)	(a)	511	157	276
France—							
Bismuth	—	1,181	2,057	1,728	(a)	(a)	(a)
Bismuth salts	—	—	463	30	(a)	(a)	(a)
Germany—							
Bismuth salts	(b) 6	(a)	(a)	(a)	(a)	(a)	4
Spain—							
Bismuth	—	—	30	—	—	—	(a)
Bismuth salts	156	87	186	16	59	—	(a)
Algeria—							
Bismuth salts	—	—	28	14	14	8	(a)
Mexico—							
Bismuth	7	6	5	(a)	(a)	(a)	(a)
Bismuth salts	57	124	71	9	1	(a)	(a)
United States—							
Bismuth	3,250	2,979	3,771	2,773	2,677	4,838	6,979
Argentina—							
Bismuth	17	} 126	57	(a)	(a)	(a)	(a)
Bismuth salts	15		(a)	(a)	(a)	(a)	
Chile—							
Ore	—	—	—	(a)	(a)	(a)	(a)
Bismuth	20	—	41	19	18	(a)	(a)
Bismuth salts	34	46	52	(a)	(a)	(a)	(a)
Colombia—							
Bismuth salts	(a)	42	25	(a)	(a)	(a)	(a)
Peru—							
Bismuth salts	19	30	27	(a)	(a)	(a)	(a)
Venezuela—							
Bismuth salts	(a)	(a)	99	(a)	(a)	(a)	(a)
Turkey—							
Bismuth	1	—	1	4	7	1	1
Bismuth salts	90	49	22	18	154	77	148

(a) Information not available.

(e) January to July only. Figures for 1948 onwards refer to Western Germany.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Italy—							
Boric acid	2,672	3,050	4,255	4,907	4,796	4,792	4,713
United States—							
Borates	247,845	291,013	384,544	448,156	402,618	417,493	578,335
Argentina—							
Borate of calcium ..	5,471	—	5,167	7,000	(a)	(a)	(a)
Chile—							
Borate of calcium ..	2,286	1,169	1,454	469	(a)	(a)	(a)
Iran—							
Borate of calcium ..	(a)	(a)	(a)	(a)	(a)	(d) 300	(d) 300
Tibet (b)—							
Borax	(c) 164	(c) 266	(c) 340	(a)	(a)	(a)	(a)
Turkey—							
Borates	408	4,954	2,175	3,551	5,230	6,969	9,610

Borates are also produced in the U.S.S.R. and Germany.

(a) Information not available.

(b) Imports into India from Tibet.

(c) Years ended March 31 following that stated.

(d) Estimated.

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom							
Borax	202	349	1,606	172	797	919	1,742
Boric acid	92	85	574	118	90	246	491
Hong Kong (re-exports)—							
Borax	(a)	(a)	483	383	513	873	3,315
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Borates and perborates	—	(a)	(a)	(a)	94	—	30
Borax	—	(a)	(a)	(a)	298	66	478
France—							
Borax, borates and boric acid	—	6	683	1,070	589	1,424	1,427
Germany—							
Borax and boric acid ..	(b) 25	(a)	(a)	(a)	15	12	326
Italy—							
Boric acid, crude ..	(a)	(a)	(a)	585	361	471	117
do. refined ..	(a)	(a)	(a)	961	418	803	427
Borax	(a)	(a)	(a)	199	381	847	144
Perborates	(a)	(a)	(a)	(a)	(a)	(a)	419
Netherlands—							
Borax	(a)	(a)	49	63	91	20	18
Sweden—							
Borax and boric acid ..	50	140	10	8	8	—	1
Switzerland—							
Borax	—	—	41	220	21	1	—
United States—							
Borates and borax ..	29,244	38,817	47,592	76,550	63,339	} 97,760	127,304
Boric acid	8,942	5,504	6,468	8,540	6,988		
Perborate of sodium ..	43	65	(a)	(a)	(a)		
Argentina—							
Borates of calcium and sodium	1,014	218	478	(a)	(a)	(a)	(a)
Tibet (c)—							
Borax	(d) 164	(d) 266	(d) 340	(a)	(a)	(a)	(a)
Turkey—							
Borates	—	2,000	3,000	6,265	5,967	8,377	9,991

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany only.

(c) Imports into India from Tibet.

(d) Years ended March 31 following that stated.

IMPORTS OF BORATES
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Borates	11,638	10,937	9,431	14,919	15,224	12,846	14,981
Borax	7,070	3,520	4,007	9,646	12,414	10,890	14,028
Boric acid	3,552	1,491	224	2,716	3,133	3,141	4,722
Anglo-Egyptian Sudan—							
Borax	(a)	(a)	(a)	(a)	33	3	(a)
Southern Rhodesia—							
Borax	9	37	32	93	89	113	86
Boric acid	(a)	(a)	2	3	—	7	4
Union of South Africa—							
Borax	379	391	646	911	634	590	(a)
Boric acid	122	126	178	366	134	257	(a)
Canada—							
Borax	4,272	4,778	6,479	8,442	6,161	6,666	7,966
Boric acid	1,063	1,364	1,093	1,394	1,429	1,832	1,616
Aden—							
Borax	—	1	6	6	—	—	—
Hong Kong (total imports)—							
Borax	(a)	(a)	1,104	965	770	2,509	5,530
India—							
Borax (b)	2,577	1,987	2,168	(c) 7,384	(c) 3,114	(c) 836	(c) 2,284
Australia—							
Borax	1,217	922	1,227	2,427	1,388	1,456	1,834
Boric acid	518	588	268	1,073	845	769	(a)
New Zealand—							
Borax	19	4	29	93	49	50	15
Boric acid	72	1	11	36	38	103	80
Irish Republic—							
Borax	151	151	206	136	300	553	989
Boric acid	54	63	108	112	92	116	136
FOREIGN COUNTRIES							
Austria—							
Borax, crude	(a)	(a)	(a)	197	544	1,276	1,603
do. refined	(a)	(a)	(a)	1	3	2	1
Boric acid	(a)	(a)	(a)	1	—	1	—
Belgium-Luxemburg E.U.—							
Borates	—	(a)	(a)	(a)	1	15	6
Borax	3	(a)	(a)	(a)	1,100	919	2,462
Boric acid	—	(a)	(a)	(a)	190	239	289
Bulgaria—							
Borax and boric acid ..	—	9	77	(a)	(a)	(a)	(a)
Czechoslovakia—							
Borax	(a)	(a)	352	227	(d) 1,303	(a)	(a)
Boric acid	(a)	(a)	107	315	(d) 188	(a)	(a)
Denmark—							
Borax	11	21	152	70	94	109	(a)
Borates and perborates ..	—	—	305	478	396	876	(a)
Boric acid	—	22	259	145	20	67	(a)
Finland (total imports)—							
Borax	10	39	344	293	302	84	(a)
Boric acid	—	24	57	16	28	33	(a)
France—							
Borates	—	3,380	3,878	7,232	—	—	1,368
Borax	—	531	3,279	984	15	2,460	2,705
Borate of manganese	—	—	6	—	—	—	—
Boric acid	6	75	840	285	49	109	289
Germany—							
Borates	(c) 30	(a)	(a)	(a)	890	8,369	22,302
Borax and boric acid	(e) 1,266	(a)	(a)	(a)	120	2,135	2,337
Greece—							
Borax	(a)	(a)	148	33	114	162	(a)

(a) Information not available.

(b) Includes trade by land as recorded.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) Sea-borne trade only.

(d) January to October only.

IMPORTS OF BORATES (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Italy—							
Borates	(a)	(a)	(a)	(a)	—	16	1,277
Borax	(a)	(a)	(a)	(a)	(a)	(a)	(b) 147
Netherlands—							
Borax	(a)	(a)	2,164	4,519	2,447	5,047	6,461
Norway—							
Borax	1	284	128	165	243	385	(a)
Boric acid	55	19	83	84	127	49	(a)
Portugal—							
Borates	574	232	438	846	317	574	(a)
Boric acid	85	43	141	170	40	143	(a)
Spain—							
Borates	148	84	11	5	59	99	(a)
Boric acid	176	400	307	83	25	12	(a)
Sweden—							
Borax	252	828	1,172	2,024	1,164	1,267	(a)
Boric acid	225	150	474	412	72	311	(a)
Switzerland—							
Borax	38	1,863	4,243	1,834	1,583	1,144	3,453
Algeria—							
Borax and boric acid ..	6	21	54	19	14	19	(a)
Egypt—							
Borax	97	368	111	21	284	167	(a)
Boric acid	35	121	24	5	44	23	(a)
Mozambique—							
Borax	2	4	2	4	4	3	1
Boric acid	2	4	6	5	1	—	1
Tunis—							
Borax	8	18	9	1	16	(a)	(a)
Boric acid	10	5	2	28	2	(a)	(a)
Mexico—							
Borax	1,356	1,490	2,095	(a)	(a)	(a)	(a)
Boric acid	159	134	256	(a)	(a)	(a)	(a)
Argentina—							
Borax	—	51	5	(a)	(a)	(a)	(a)
Boric acid	1	1	2	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Borates	235	48	58	92	10	(a)	(a)
Borax	1,875	1,043	1,160	2,125	1,403	(a)	(a)
Boric acid	300	217	91	286	114	(a)	(a)
Chile—							
Borates	34	34	28	(a)	(a)	(a)	(a)
Boric acid	1	1	3	(a)	(a)	(a)	(a)
Colombia—							
Borates	102	146	99	(a)	(a)	(a)	(a)
Perborate of sodium ..	(a)	—	8	(a)	(a)	(a)	(a)
Boric acid	44	85	25	(a)	(a)	(a)	(a)
Cuba—							
Borax	(a)	(a)	(a)	(a)	94	96	(a)
Boric acid	(a)	(a)	(a)	(a)	763	220	(a)
Peru—							
Borax	77	76	142	(a)	123	(a)	(a)
Boric acid	(a)	8	28	(a)	32	(a)	(a)
Uruguay—							
Borate of calcium ..	100	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Borax	(a)	40	8	(a)	(a)	(a)	(a)
Boric acid	(a)	10	22	32	(a)	(a)	(a)
Japan (total imports)—							
Borax	(a)	(a)	—	2,917	3,636	(a)	2,154
Syria and Lebanon—							
Borax	(a)	1	—	(a)	(a)	(a)	(a)
Boric acid	(a)	7	—	(a)	(a)	(a)	(a)
Turkey—							
Borax	62	253	12	393	143	118	144
Boric acid	—	107	9	1	5	—	—

(a) Information not available.

(b) July 15 to December 31 only.

BROMINE
PRODUCTION OF BROMINE
(lb. avdp.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Palestine (c)	1,342,000	835,100	108,000	585,000	—	—	—
FOREIGN COUNTRIES							
France	642,000	(a)	(b)1,475,000	(b)3,014,000	(b)2,200,000	(b)1,940,000	(a)
Italy	58,405	9,040	(a)	(a)	(a)	(a)	(a)
United States (c)	102,112,462	79,709,857	42,780,925	78,177,650	76,047,551	88,725,709	98,502,300
Japan	750,000	(a)	(a)	(a)	(a)	(a)	(a)

- (a) Information not available.
(b) Sales.
(c) Includes bromine content of compounds.

EXPORTS OF BROMINE, ETC.
(Domestic Produce)
(lb. avdp.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bromine	340	220	31,360	8,736	6,496	7,728	9,408
Ethyl bromide	31	—	(b)	(b)	(b)	(b)	(b)
Other bromides	64,800	101,900	352,500	276,304	179,872	75,712	131,152
Palestine—							
Bromine	17,600	143,300	127,200	397,714	122,797	—	—
Bromides	(a)	1,032,000	92,000	20,503	5,512	—	—
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bromine	(a)	(a)	(a)	(a)	(a)	(a)	6,614
Bromides	(a)	(a)	(a)	(a)	165,347	2,205	660
France—							
Bromine	33,500	23,600	380,500	722,900	(a)	(a)	(a)
Bromides	13,900	47,200	177,300	851,000	300,490	542,337	346,346
Germany—							
Bromine	(c) 13,900	(a)	(a)	(a)	233,470	57,541	679,685
Bromides	(c) 338,200	(a)	(a)	(a)	11,244	127,868	1,030,661
United States—							
Bromine	29,391	178,041	2,060,286	1,792,269	1,054,523	925,639	869,816
Bromide of potash	277,197	551,736					
do. soda	877,128	177,768					
Ethyl dibromide	197,500	296,952					
Other bromides and bromates	556,872	328,934					

- (a) Information not available.
(b) Included with "Other bromides."
(c) January to July only.

IMPORTS OF BROMINE, ETC.

(Less Re-exports)

(lb. avdp.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bromine	11,000	94,000	181,000	746,816	312,592	244,272	(b) 448
Bromides	1,997,000	1,263,000	214,000	(b) 6,048	(b) 20,720	(b) 12,768	11,088
Union of South Africa—							
Bromine	473	288	265	344	493	425	(a)
Canada—							
Bromine	6,326	3,332	16,786	8,742	20,720	16,594	18,231
Bromides	—	29,000	57,100	54,250	41,884	58,055	72,961
Australia (years ended June 30)—							
Bromine (S. Aust.) ..	} 71,683	240,125	{ (£107)	{ (£745)	{ (£360)	{ (£5,238)	(a)
Bromates and bromides ..								{ 93,556	{ 136,052	{ 225,578	{ 151,762	{ (d) 312,553
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bromine	14,000	(a)	(a)	(a)	(a)	17,637	4,409
Bromides	(a)	(a)	(a)	(a)	(a)	(a)	238,099
Bulgaria—							
Bromine	227	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia—							
Bromine	(a)	(a)	—	20,503	(c) 25,133	(a)	(a)
France—							
Bromides	—	—	—	220	—	1,102	—
Ethyl bromide, etc. ..	—	—	14,771	—	(a)	(a)	(a)
Germany—							
Bromine	15,500	(a)	(a)	(a)	—	—	—
Italy—							
Bromine	(a)	(a)	(a)	—	2	6	271,633
Bromides	(a)	(a)	(a)	117	2,269	24,317	61,556
Norway—							
Bromine	93	1,091	531	174	1,274	1,060	(a)
Portugal—							
Bromine	392	7	408	328	644	1,382	(a)
Bromide of soda	1,598	836	1,462	1,863	448	1,861	(a)
Bromide of potash .. .	4,650	465	1,127	1,887	1,803	2,738	(a)
Bromide of ammonium ..	672	278	344	157	375	952	(a)
Spain—							
Bromine	1,616	772	3,948	4,969	—	—	(a)
Bromides	5,368	1,797	13,135	13,803	22,406	35,111	(a)
Algeria—							
Bromine	220	220	—	—	661	220	(a)
Bromides	6,613	31,967	21,605	25,133	441	1,541	(a)
Cuba—							
Bromine	(a)	(a)	(a)	(a)	25,481	190	(a)
Mexico—							
Bromine	3,926	1,177	1,188	(a)	(a)	(a)	(a)
Bromides of potash and soda	26,248	14,707	12,548	9,224	17,952	(a)	(a)
United States—							
Bromine and compounds	165	76	236	131	102	87	96
Argentina—							
Bromine and bromides ..	1,806	4,733	23,395	(a)	(a)	(a)	(a)
Chile—							
Bromine	234	646	666	(a)	(a)	(a)	(a)
Bromide of strontium ..	126	64	15	(a)	(a)	(a)	(a)
Colombia—							
Bromine	(a)	159	176	(a)	(a)	(a)	(a)
Bromides	(a)	4,299	6,942	(a)	(a)	(a)	(a)
Peru—							
Bromine	1,213	150	216	243	489	(a)	(a)
Iran—							
Bromine	(a)	(a)	—	90	(a)	(a)	(a)
Bromides	(a)	(a)	5,569	2,545	(a)	(a)	(a)
Philippine Republic—							
Bromides	(a)	670	9,040	(a)	(a)	(a)	(a)
Turkey—							
Bromine	51	203	84	730	423	639	225
Bromides	11,058	2,121	1,217	6108	6,944	13,436	9,061

(a) Information not available. (b) Excess of re-exports. (c) January to October only. (d) Calendar year.

CADMIUM

PRODUCTION OF CADMIUM

(lb. avdp.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	455,347	491,100	268,800	234,662	255,226	226,240	262,125
South West Africa (b) ..	(a)	(a)	(a)	(a)	1,140,000	1,662,000	1,344,000
Canada	526,970	646,064	802,648	718,534	766,090	846,541	834,218
Australia	598,797	542,237	511,280	460,835	646,733	581,280	658,600
FOREIGN COUNTRIES							
Belgium	(a)	(a)	157,000	322,000	661,000	794,000	805,000
France	11,600	15,400	103,600	94,800	103,600	128,000	157,800
Germany	461,000	(a)	(c) 2,200	(c) 2,700	(c) 7,700	(c) 11,000	—
Italy	86,000	64,000	55,000	84,000	104,000	161,616	121,000
Norway	23,400	28,700	61,700	110,200	136,700	157,400	173,500
Poland	430,000	108,000	256,000	(d) 157,000	(a)	(a)	(a)
Spain	(a)	(a)	(a)	(a)	(a)	11,000	—
Belgian Congo	48,483	40,153	36,533	57,408	39,700	55,100	65,407
Mexico (e)	1,545,447	2,321,467	1,581,129	1,717,125	1,997,280	1,808,824	1,474,251
United States (f)—							
Metal	8,453,470	7,932,579	6,200,398	8,007,287	7,582,961	8,023,616	8,865,393
Compounds (metal content)	326,386	451,050	270,789	500,859	192,696	203,001	340,704
Peru	22,046	20,547	1,874	3,102	3,510	—	(a)
Japan	187,000	(a)	(a)	(g) 15,997	41,610	115,707	(a)

Cadmium is produced also in Netherlands, Sweden and U.S.S.R.

(a) Information not available.

(b) Estimated cadmium content of copper-lead-zinc concentrates.

(c) Bizonal area only.

(d) January to July only.

(e) Including cadmium content of flue dust, etc., exported for treatment.

(f) In addition Secondary (metal and cadmium content of compounds) produced was as follows:

1944	..	..	106,850 lb.
1945	..	..	72,473 "
1946	..	..	355,104 "
1947	..	..	104,764 "
1948	..	..	121,159 "
1949	..	..	384,398 "
1950	..	..	513,198 "

(g) Year ended March 31 following that stated.

EXPORTS OF CADMIUM, ETC.
(Domestic Produce)
(lb. avdp.)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Metal	—	112,100	82,706	4,717	5,141	5,520	(a)
Compounds	(a)	(a)	301,600	93,296	66,080	60,704	76,944
South West Africa (b)	(a)	(a)	(a)	(a)	896,000	1,670,000	1,734,000
Canada	383,324	350,744	573,368	622,891	596,098	633,607	676,005
Australia	200,256	507,472	297,920	215,040	194,880	389,760	383,040
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	2,400	(a)	(a)	(a)	(a)	(a)	1,003
France	—	2	220	102	(a)	(a)	(a)
Poland	(a)	88,184	220,462	(a)	(a)	(a)	(a)
Belgian Congo	(c) 53,082	(c) 25,798	(a)	(a)	(a)	(a)	(a)
Mexico (d)	1,630,761	2,320,951	1,581,128	1,660,729	1,997,280	2,694,717	2,173,083
United States—							
Metal	548,015	102,199	140,385	303,401	955,701	566,135	352,927
Alloys	450	3	75	(a)	1,506	3,000	9,106
Cadmium salts	23,488	10,895	(a)	(a)	(a)	(a)	(a)
Dross, flue dust, etc.	2,686,360	2,333,720	459,775	18,251	92,847	500	(a)
Peru	4,793	2,247	5,428	3,124	3,510	1,711	3,003

(a) Information not available.

(b) Cadmium content of concentrates exported for treatment.

(c) Imports into the United States from the Belgian Congo.

(d) Including cadmium content of flue dust, etc., exported for treatment.

IMPORTS OF CADMIUM, ETC.
(Less Re-exports)
(lb. avdp.)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Metal	430,994	699,636	767,993	781,282	1,043,665	685,511	1,073,454
Compounds	—	—	—	—	336	1,008	(a)
Australia—							
Cadmium salts	(a)	(a)	(b) 5,310	(b) 1,899	(b) 3,469	(b) 930	857
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	1,800	(a)	(a)	(a)	(a)	(a)	39,683
France—							
Cadmium	(a)	120,152	925,941	490,528	(a)	(a)	(a)
Cadmium salts	24,700	—	10,362	17,637	(a)	(a)	(a)
Sweden	59,210	43,286	142,679	127,288	192,693	290,516	(a)
United States—							
Cadmium	66,627	28,724	17,415	18,762	9,809	157,204	724,334
Flue dust (cadmium content)	1,689,322	2,192,685	1,652,905	2,355,588	1,828,139	1,789,667	1,507,417
Argentina (cadmium and salts)	7	60	7,348	1	—	(a)	(a)
Chile (cadmium and salts)	35	18	77	(a)	(a)	(a)	(a)
Peru (cadmium salts)	143	13	1,100	(a)	(a)	(a)	(a)
Turkey—							
Cadmium	88	—	15	108	37	86	68
Cadmium salts	11	115	170	659	271	49	128

(a) Information not available.

(b) Years ended June 30 of that stated.

CHINA CLAY
PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	192,871	234,999	406,379	513,792	660,246	634,205	739,502
Kenya	3,457	1,622	1,372	306	764	1,319	1,286
Northern Rhodesia	1	—	—	—	—	—	—
Southern Rhodesia	119	9	—	—	—	23,341	13,696
Tanganyika	215	292	178	231	134	162	59
Union of South Africa	4,360	4,429	5,379	4,390	4,752	5,679	8,323
Canada (sales)	379	398	733	—	—	—	(a)
Hong Kong (b)	(a)	(a)	294	(c) 8,430	(d) 3,874	—	—
India	46,471	67,285	74,701	66,561	41,243	42,396	(a)
Malaya	—	—	241	1,003	923	1,173	1,435
Australia (c)	9,704	9,380	12,205	9,902	30,021	23,261	(a)
New Zealand	—	—	95	1,353	1,321	68	2,154
FOREIGN COUNTRIES							
Austria (crude)	122,913	14,763	46,457	74,590	127,955	159,349	180,882
Czechoslovakia (estimated)	(a)	(a)	(a)	120,000	150,000	(a)	(a)
Denmark—							
Crude	10,900	6,900	4,400	4,875	3,633	7,683	(a)
Washed and pressed	8,760	6,600	5,200	3,943	6,966	6,485	(a)
Washed and unpressed	—	—	800	307	578	—	(a)
Washed waste	5,800	3,300	3,700	6,666	9,085	9,572	(a)
France	23,607	29,779	95,655	98,588	127,092	121,530	(a)
Germany	(a)	(a)	(a)	(a)	(f) 135,674	(f) 180,618	288 825
Greece	—	—	—	—	2,603	4,972	6,240
Italy—							
Crude and kaolinic earth	(g) 12,026	(g) 28,015	(g) 50,676	(g) 116,127	(g) 98,473	(g) 40,000	(a)
Portugal—							
Crude	11,579	14,423	19,254	13,101	12,154	12,500	16,602
Washed	—	—	232	374	13,287	7,426	10,364
Kaolinic sand (h)	—	237	—	—	318	242	301
Spain—							
Crude	13,486	25,840	29,881	22,939	35,104	31,202	—
Sweden (washed)	4,177	6,516	8,183	12,522	7,985	(a)	(a)
Algeria	945	1,210	14	282	1,178	2,903	750
Egypt	682	504	215	150	168	199	69
Eritrea	(a)	(a)	(a)	(a)	2,985	2,850	1,000
Madagascar	27	65	47	158	40	82	126
Morocco (Spanish) (g)	(a)	1,860	9,389	2,475	2,369	1,489	1,457
Mozambique	—	—	18	—	—	—	—
United States (i)	779,514	839,275	1,180,628	1,272,416	1,400,757	1,263,872	1,563,266
Argentina	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Brazil	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Chile	331	3,545	6,362	8,440	12,769	11,516	8,586
Peru (i)	333	614	870	1,479	1,395	767	(a)
Japan	(a)	(a)	(a)	(a)	6,410	7,178	(a)
Jordan (exports)	2,168	—	—	—	—	—	—
Portuguese India (exports)	48	367	227	51	(a)	(a)	(a)

China clay is also produced in Belgium, Bulgaria, Roumania, U.S.S.R., China, Indonesia, Korea and Manchuria.

(a) Information not available.

(b) Including other clays.

(c) Years ended October 31 of that stated.

(d) November, 1947 to December, 1948.

(e) Excluding South Australia.

(f) Bizonal area.

(g) Including bentonite.

(h) Kaolin content.

(i) Sales.

EXPORTS OF CHINA CLAY

(Domestic Produce)

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	61,927	115,954	210,896	248,825	335,506	295,233	405,225
Tanganyika	98	267	88	164	102	46	18
Union of South Africa	(a)	(a)	(a)	—	10	—	—
Malaya (b)	(a)	(a)	13	8	3	29	158
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	6,019	9,522	12,135	12,292
Belgium-Luxemburg E.U.	246	(a)	(a)	(a)	522	446	1,042
Czechoslovakia	(a)	(a)	28,451	56,351	(c) 56,808	(a)	(a)
Denmark	1,959	615	89	163	10	—	33
France	2,466	272	6,531	10,583	8,630	9,030	6,166
Germany	(d) 56,274	(a)	(a)	(a)	983	4,150	10,037
Italy	(a)	(a)	(a)	179	403	—	30
Portugal	135	36	6,417	9,773	4,322	773	(a)
Spain	25	22	4	98	47	55	(a)
Sweden	—	3,033	3,990	3,404	941	8	60
Algeria	2	—	—	193	918	562	(a)
Morocco (Spanish)	(a)	1,860	(a)	(a)	(a)	(a)	(a)
United States	(a)	11,073	14,177	16,666	17,030	19,499	25,233
Argentina	—	97	5	(a)	(a)	(a)	(a)
Brazil	674	63	3	—	(a)	(a)	(a)
Chile	872	628	317	181	—	(a)	(a)
Jordan	2,168	—	—	—	—	(a)	(a)
Portuguese India	48	367	227	51	(a)	(a)	(a)

(a) Information not available.

(b) Including re-exports.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	—	—	18	157	396	276	(a)
Union of South Africa (c) ..	22	148	365	592	584	612	(a)
Canada (f)	51,358	56,839	54,609	71,422	80,024	75,447	83,062
Newfoundland (e)	(a)	(a)	—	958	1,027	(e)	(e)
India	228	333	307	890	1,510	3,314	2,664
Malaya (total imports) ..	(a)	(a)	28	12	106	30	5
Australia	(a)	(a)	—	(g) 2	(g) 487	721	(a)
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	524	1,281	1,134	858
Belgium-Luxemburg E.U.	5,652	(a)	(a)	(a)	40,887	34,763	36,386
Czechoslovakia	(a)	(a)	—	30	—	(a)	(a)
Denmark—							
Crude	198	—	1,006	2,594	736	968	} 18,478
Washed	3,506	384	8,594	13,538	11,563	14,883	
Finland (total imports) ..	10,255	11,665	19,435	24,883	35,764	15,486	(a)
France	310	14	271	9,641	14,645	10,873	32,125
Germany	(d) 2,236	(a)	(a)	(a)	32,438	44,725	61,002
Italy	(a)	(a)	(a)	14,578	18,037	25,878	15,143
Norway	2,569	2,940	10,791	15,504	19,500	17,628	19,411
Poland	(a)	(a)	(a)	19,073	(a)	(a)	(a)
Portugal	66	104	101	107	82	14	(a)
Spain	571	294	511	51	119	242	(a)
Sweden	16,368	16,341	32,084	33,841	44,291	35,310	(a)
Algeria	3	—	94	88	360	1,410	(a)
United States	40,973	51,323	79,672	73,757	89,223	68,952	109,798
Argentina	3,713	2,455	4,878	(a)	(a)	(a)	(a)
Chile	30	92	24	(a)	(a)	(a)	(a)
Colombia	(a)	55	21	(a)	(a)	(a)	(a)
Peru	88	29	71	(a)	(a)	(a)	(a)
Uruguay	1,051	(a)	(a)	(a)	(a)	(a)	(a)
Iran	(a)	(a)	—	1,935	(a)	(a)	(a)
Japan	(a)	(a)	(a)	94	(a)	(a)	(a)
Turkey	15	29	133	317	77	62	4

(a) Information not available.

(b) Including Ball clay.

(c) Including Cornish or china stone.

(d) January to July only. Figure for 1948 onwards refer to Western Germany.

(e) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(f) Including Newfoundland from April 1, 1949.

(g) Years ended June 30 of that stated.

CHROME ORE AND CHROMIUM
PRODUCTION OF CHROME ORE
(Long tons)

Producing Country	1944					1945					1946					1947					1948					1949					1950														
	Estimated Cr ₂ O ₃ content*																																												
BRITISH COUNTRIES																																													
Great Britain ..	114					16,504	7,761	21,752	7,599	—	—	240	4,300	7,000	3,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Sierra Leone ..	9,695					152,699	227,061	239,662	286,922	—	—	88,000	72,000	73,000	109,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Southern Rhodesia ..	272,677					367,204	406,266	397,967	488,487	—	—	45,100	95,405	166,563	183,433	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Union of South Africa ..	87,505					1,930	1,531	322	1,300	700	—	2,400	1,300	900	700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Canada ..	24,155					2,777	10,847	13,862	16,371	—	—	2,400	1,260	2,320	5,093	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Cyprus (b) ..	662					2,740	4,840	19,416	14,164	—	—	352	2,400	17,000	11,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
India ..	39,355					34,717	22,555	15,500	18,125	—	—	15,500	22,400	9,850	8,360	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Pakistan ..	768					20,523	17,427	15,673	891	—	—	110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Australia ..	—					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
TOTAL ..	435,000					598,400	693,400	708,700	830,000	—																																			
FOREIGN COUNTRIES																																													
Albania ..	(a)					(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
Bulgaria ..	5,000					2,598	1,500	3,666	12,627	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Greece ..	18,000					602	173	87	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Portugal ..	1,093					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Sweden ..	125					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
U.S.S.R. (estimated)	(a)					(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
Yugoslavia (estimated)	(a)					(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
Egypt ..	148					262	188	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Cuba ..	208,457					108,619	114,782	95,830	49,042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Guatemala ..	95					615	467	300	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Mexico ..	—					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
United States ..	40,740					3,667	3,231	387	361	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Argentina ..	178					(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
Brazil (exports) ..	4,647					171	1,600	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
French Indo-China ..	2,300					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Japan ..	70,012					2,825	9,194	26,682	31,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Philippine Republic ..	(c) 15,236					192,022	252,796	242,847	246,555	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Turkey ..	181,658					197,000	280,846	408,156	416,995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
New Caledonia ..	54,357					24,556	73,834	87,585	83,462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
TOTAL ..	1,000,000					1,000,000	1,250,000	1,370,000	1,400,000	—																																			
World's TOTAL	1,400,000					1,150,000	1,943,000	2,080,000	2,230,000	—																																			

* Only approximate estimates can be given owing to the wide variation in the chromium content of the ore produced in several of the countries concerned.
(a) Information not available.
(b) Figures relate to saleable production.
(c) Imports into Japan from Philippine Republic.

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Chromium metal	—	86	37	8	83	128	161
Ferro-chrome	—	42	85	57	21	29	(a)
Chromates of potash	133	238	460	24	424	697	653
Chromates of soda	1,657	1,403	1,678	203	1,232	1,599	2,057
Sierra Leone—							
Ore	—	11,595	31,301	22,687	8,411	17,656	13,909
Southern Rhodesia—							
Ore	267,336	204,443	149,557	160,372	222,454	202,468	237,976
Union of South Africa—							
Ore	50,502	171,279	238,668	299,016	287,362	303,890	478,786
Canada—							
Ferro-chrome	(a)	(a)	5,604	24,762	20,103	16,204	29,389
Cyprus—							
Ore and concentrates	462	1,054	1,140	5,200	6,790	14,640	18,150
India (b)—							
Ore	22,196	10,528	16,448	37,615	9,250	6,382	3,864
Australia—							
Ore	—	—	5	—	2	—	—
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Chromates of potash and soda	—	(a)	(a)	(a)	215	144	391
France—							
Ferro-chrome	10	1	39	37	(a)	(a)	(a)
Chromates, chrome alum, etc.	(a)	2	119	310	292	1,797	754
Germany—							
Chromates of potash and soda, and oxides of chromium	(c) 645	(a)	(a)	(a)	295	1,905	1,521
Greece—							
Ore	(a)	(a)	(a)	(a)	984	—	(a)
Netherlands—							
Chromium compounds	(a)	(a)	—	—	12	16	32
Norway—							
Ferro-chrome	5,226	623	4,492	11,487	15,464	14,559	16,152
Portugal—							
Ore	704	1,050	918	801	49	786	(a)
Sweden—							
Ore	—	—	202	20	—	—	—
Ferro-chrome	—	177	1,952	3,650	271	1,079	4,624
Chromates and chrome alum	357	832	1,501	2,533	2,478	1,168	1,615
Switzerland—							
Ferro-chrome, including ferro-silicon	597	2	77	540	1,728	1,569	1,289
U.S.S.R.—							
Ore (d)	100,282	162,546	99,562	241,827	357,906	102,758	(a)

(a) Information not available.

(b) Including chrome ore mined in British India, but exported via the Portuguese port of Mormugao as follows:— 1944-Nil, 1945-Nil, 1946-Nil, 1947-8,849 tons, 1948-4,773 tons, 1949-610 tons, 1950-1,100 tons.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(d) Exports are not available. Figures are imports from U.S.S.R. as recorded in the trade returns of the United Kingdom, Germany, Sweden and the United States.

EXPORTS OF CHROME ORE, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Yugoslavia—							
Ore	(a)	(a)	(a)	(a)	(a)	(a)	39,376
Cuba—							
Ore	316,267	270,010	173,065	100,135	160,446	72,383	—
United States—							
Ore	910	11,041	1,927	3,067	2,584	2,127	1,825
Ferro-chrome	475	1,313	2,241	2,751	6,030	1,964	309
Chromates of potash ..	554	665	1,745	1,000	1,147	1,270	372
Chromates of soda ..	2,810	3,325	8,491	5,247	5,405	5,100	1,828
Brazil—							
Ore	4,647	1,466	171	—	1,600	(a)	(a)
Philippine Republic—							
Ore	(b) 15,236	(b) 3,474	(a)	(b) 189,500	238,158	231,441	(a)
Turkey—							
Ore	146,831	61,692	35,756	180,874	304,716	347,667	348,018
New Caledonia—							
Ore	16,981	50,147	63,619	43,062	69,066	101,287	72,703

(a) Information not available.

(b) Imports into Japan from Philippine Republic.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore	93,770	42,887	65,753	87,751	114,415	131,710	105,879
Ferro-chrome	11,274	2,999	3,683	20,815	15,773	10,054	12,117
Chromates of soda	—	—	1	74	108	—	1
Canada—							
Ore	34,901	54,188	14,139	87,788	61,771	59,148	106,540
Bichromate of potash	78	94	117	142	77	143	137
Bichromate of soda	1,431	1,843	2,146	2,035	2,048	1,400	2,004
India (total imports)—							
Bichromate of potash	22	7	—	50	3	—	—
Bichromate of soda	1,996	—	—	—	132	2	—
Palestine—							
Ore	—	809	—	(a)	(a)	(a)	(a)
Australia—							
Ore	—	2,391	—	1,360	2,606	6,848	3,091
Bichromate of potash	74	125	61	5	37	78	(a)
FOREIGN COUNTRIES							
Austria—							
Ferro-chrome	(a)	(a)	(a)	(a)	2,111	3,271	4,686
Chromates	(a)	(a)	(a)	33	225	325	662
Belgium-Luxemburg E.U.—							
Ore	(a)	(a)	(a)	(a)	(a)	1,426	1,036
Chromates of potash and soda	6	(a)	(a)	(a)	250	610	784
Bulgaria—							
Chromates of potash	37	—	19	(a)	(a)	(a)	(a)
Czechoslovakia—							
Ore	} (a)	(a)	} 3,357	2,935	(b) 2,043	(a)	(a)
Chromates of potash and soda				33	(b) 711	(a)	(a)
Denmark—							
Chromates of potash and soda	184	114	375	105	321	286	(a)
Finland (total imports)—							
Ferro-chrome	26	59	157	132	206	410	(a)
Chromates of potash and soda	84	2	150	150	68	414	(a)
Chrome sulphate	60	—	155	156	381	271	(a)
France—							
Ore	775	8,496	45,978	42,365	(c) 37,629	(c) 35,911	(c) 14,171
Ferro-chrome	355	507	134	832	(a)	(a)	(a)
Chromates of potash and soda	2	39	108	65	540	362	264
Other chromates	—	10	45	951	609	258	159
Germany—							
Ore	(d) 64,027	(a)	(a)	(a)	7,308	49,137	72,788
Italy—							
Ore	(a)	(a)	2,950	2,923	(a)	(a)	(c) 6,180
Ferro-chrome	(a)	—	116	80	524	1,534	1,924
Netherlands—							
Chromium compounds	(a)	(a)	900	1,702	1,328	1,246	1,375

(a) Information not available.

(b) January to October only.

(c) Imports from Turkey and New Caledonia only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

(e) July 15 to December 31 only.

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Norway—							
Ore	18,892	—	9,571	51,088	50,524	39,242	51,633
Portugal—							
Chromates of potash and soda	16	48	348	79	3	5	(a)
Chrome alum	25	13	43	32	—	3	(a)
Spain—							
Chromates	48	112	329	59	91	28	(a)
Sweden—							
Ore	34	12,947	45,357	56,258	26,273	30,917	54,319
Ferro-chrome	25	16	725	1,116	2,140	2,255	(a)
Chrome alum	—	—	6	19	10	—	(a)
Chromates	166	123	532	315	606	598	(a)
Switzerland—							
Ferro-chrome and ferro-silicon	94	127	2,260	2,769	4,434	1,321	1,280
Egypt—							
Chromates of potash and soda	139	193	632	600	572	293	(a)
Mexico—							
Chromates	103	610	1,076	(a)	(a)	(a)	(a)
United States—							
Ore	757,491	826,684	680,601	987,660	1,376,853	1,074,920	1,161,087
(Cr ₂ O ₃ content) ..	325,699	363,568	298,994	433,921	607,765	476,420	517,305
Ferro-chrome (Cr content)	703	3,860	886	5,759	4,209	3,515	11,375
Metal and alloys ..	—	—	—	99	—	—	53
Argentina—							
Bichromate of potash ..	8	2	88	(a)	(a)	(a)	(a)
Bichromate of soda ..	282	881	652	(a)	(a)	(a)	(a)
Chromate of lead ..	2	120	164	(a)	(a)	(a)	(a)
Chrome alum	—	64	53	(a)	(a)	(a)	(a)
Brazil—							
Chromates of potash and soda	260	300	1,477	388	500	(a)	(a)
Other chromium salts ..	26	46	125	149	50	(a)	(a)
Chile—							
Ferro-chrome	16	11	22	22	—	(a)	(a)
Bichromate of potash ..	10	10	86	(a)	(a)	(a)	(a)
Bichromate of soda ..	115	154	518	(a)	(a)	(a)	(a)
Colombia—							
Chromates	219	110	119	(a)	(a)	(a)	(a)
Peru—							
Chromium compounds ..	235	115	210	(a)	(a)	(a)	(a)
Japan—							
Ore	18,228	3,474	(a)	(a)	(a)	(a)	6,986
Turkey—							
Chromates	62	43	—	80	43	89	89
Chrome alum	—	67	—	—	25	14	26

(a) Information not available.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL (Including Brown Coal and Lignite)

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Mined—							
Anthracite	3,595,178	3,162,645	3,525,550	3,599,250	3,794,100	3,724,200	3,564,000
Bituminous	180,503,176	171,495,258	177,717,403	183,603,569	193,851,600	198,954,000	200,554,800
Opencast	8,667,500	8,125,600	8,838,900	10,260,900	(b)11,782,200	12,477,400	12,185,400
Northern Ireland—							
Bituminous	550	680	640	1,300	1,420	650	570
Lignite	1,660	2,546	174	386	70	—	—
Nigeria	613,926	512,552	607,652	579,354	607,757	550,517	583,238
Southern Rhodesia	1,779,177	1,642,485	1,587,243	1,484,163	1,668,454	1,887,513	2,094,501
Union of South Africa	22,623,857	23,182,397	23,229,292	23,127,179	23,645,052	25,093,379	26,055,179
Canada—							
Bituminous	11,596,721	10,512,646	11,474,433	9,877,375	12,206,893	12,613,095	12,153,385
Sub-bituminous	2,379,826	2,856,745	3,068,654	2,888,446	2,847,140	2,788,297	2,965,461
Lignite	1,225,684	1,368,746	1,360,258	1,402,810	1,418,904	1,670,078	1,966,360
India	26,126,676	29,167,152	29,709,346	30,144,505	30,124,175	31,695,375	31,918,689
Pakistan	409,100	226,702	224,674	307,260	246,077	331,964	437,000
Malaya	409,100	226,702	224,674	226,301	375,460	386,898	415,777
Australia—							
Bituminous	13,721,468	12,812,368	13,776,383	14,663,157	14,543,567	13,762,804	16,287,040
Sub-bituminous	34,620	41,452	135,460	193,351	239,464	344,638	261,337
Lignite	5,016,437	5,445,108	5,707,039	6,140,173	6,692,413	7,375,559	7,327,119
New Zealand—							
Anthracite	(c)	2,531	2,272	1,606	1,705	1,885	1,959
Bituminous	1,068,082	962,215	955,998	934,365	950,901	934,802	919,029
Sub-bituminous	1,540,916	1,623,336	1,569,020	1,504,942	1,508,045	1,577,908	1,468,397
Lignite	196,972	245,494	266,580	310,810	315,195	298,680	280,066
TOTAL	281,000,000	273,589,000	283,953,000	291,599,000	306,780,000	316,455,000	321,436,000
Irish Republic—							
Anthracite	65,535	53,121	56,943	48,723	39,197	28,465	(a)
do. dust	62,606	68,397	63,779	71,266	48,033	19,213	(a)
Semi-bituminous	74,122	90,962	90,553	97,885	81,956	78,925	(a)

(a) Information not available.

(b) Production of Opencast coal by kinds was as follows (long tons):—

1947—Anthracite	234,670	Bituminous	9,964,000	Lignite	62,205
1948—	222,900	"	11,559,300	"	Nil.
1949—	609,000	"	11,868,400	"	Nil.
1950—	905,100	"	11,280,300	"	Nil.

(c) Included with Lignite.

PRODUCTION OF COAL (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Albania—							
Lignite (estimated) ..	(a)	16,000	16,000	16,000	16,000	16,000	16,000
Austria—							
Bituminous	191,432	70,485	106,625	174,962	177,674	180,166	180,052
Brown coal	3,615,539	2,033,352	2,364,186	2,794,472	3,285,184	3,755,635	4,239,470
Belgium	13,291,658	15,582,969	22,419,149	24,004,902	26,257,545	27,409,370	26,873,145
Bulgaria—							
Anthracite (estimated) ..	27,000	27,000	27,000	27,000	(b)		
Bituminous (estimated) ..	200,000	200,000	200,000	200,000	295,487		
Lignite	3,055,784	3,502,231	3,465,843	3,978,713	(c)3,514,141	4,647,746	5,621,449
Czechoslovakia—							
Bituminous	22,865,000	11,530,951	13,913,000	16,047,254	17,465,474	16,879,000	18,159,000
Brown coal	26,432,000	15,113,522	19,204,000	22,030,861	23,217,014	25,983,000	27,072,000
Denmark—							
Lignite	2,164,000	2,283,000	2,275,000	2,758,000	2,362,000	1,575,000	693,000
France (d)—							
Anthracite (e)	344,000	463,000	580,000	603,960	515,410		
Bituminous	24,514,977	32,323,983	45,860,000	43,898,169	42,094,665	50,390,575	50,041,000
Lignite	1,322,764	1,676,702	2,070,809	2,060,164	1,812,655	1,815,403	1,653,000
Germany—							
Bituminous	133,198,000	40,557,000	56,891,000	74,016,000	f 87,020,000	i 103,155,000	110,542,800
Brown coal	227,162,000	117,880,000	157,351,000	158,060,000	f 63,949,000	i 71,085,000	74,643,000
Greece—							
Lignite	190,000	70,000	122,016	130,900	124,600	177,000	(a)
Hungary—							
Bituminous	(g)1,240,000	697,000	709,000	1,043,000	1,206,000	i 1,360,000	(a)
Brown coal and lignite ..	(g)9,921,000	3,520,000	5,539,000	7,627,000	9,229,000	i 10,271,000	(a)
Italy—							
Anthracite	58,096	60,289	103,331	114,299	85,156	74,073	66,996
Bituminous	544,950	685,007	1,056,048	1,222,253	871,923	1,012,612	947,012
Brown coal	488,619	755,118	1,496,918	1,821,550	892,971	819,094	767,930
Netherlands—							
Bituminous	8,181,443	5,016,074	8,182,522	9,940,824	10,858,086	11,520,099	12,053,900
Brown coal	239,215	125,402	493,266	466,463	274,554	195,278	191,000
Poland—							
Bituminous	86,008,608	26,933,847	46,541,155	58,196,455	69,152,000	73,306,000	76,769,000
Brown coal			1,431,712	4,690,700	4,960,000	4,554,000	4,764,000
Portugal—							
Anthracite	371,031	429,229	373,532	364,301	380,661	436,458	412,208
Bituminous	32,535	—	—	—	—	—	—
Brown coal	123,585	160,278	138,649	106,020	101,622	113,006	92,107
Roumania—							
Anthracite		16,545	14,757	23,404		188,000	(a)
Bituminous		191,281	148,807	137,173			
Brown coal	1,830,000	1,484,006	1,402,339	1,632,469	2,589,000	2,341,000	(a)
Lignite		306,983	413,844	439,674			
Saar	(h)	(h)	7,760,000	10,318,000	12,368,800	14,038,000	14,853,000
Spain—							
Anthracite	1,492,091	1,505,375	1,434,509	1,389,062	1,439,634	1,416,487	1,485,424
Bituminous	8,827,052	9,057,198	9,154,183	9,049,522	9,019,408	9,244,921	9,296,577
Lignite	1,183,233	1,329,440	1,315,003	1,243,050	1,378,062	1,311,135	1,340,635
Spitzbergen and Bear Island	(a)	5,912	94,911	331,184	507,979	571,000	(a)
Sweden	561,230	605,618	480,467	409,218	368,532	311,612	304,411
Switzerland—							
Bituminous	50,420	99,940	73,367	26,477	—	—	—
Brown coal	91,960	205,984	101,633	12,000	—	—	—

(a) Information not available.

(b) Included with Lignite.

(c) Including Anthracite.

(d) Excludes Alsace-Lorraine in 1944.

(e) Excluding " Houilles maigres ou anthraciteux " which are included with Bituminous.

(f) Western Zones. Figures for the Russian Zone are not available; estimates are included in the totals.

(g) January to October only.

(h) Included with Germany.

(i) Estimated.

PRODUCTION OF COAL (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
U.S.S.R. (b)	(a)	140,000,000	157,000,000	175,900,000	200,600,000	227,000,000	252,000,000
Yugoslavia	(a)	(a)	f 10,046,000	f 13,723,000	f 11,300,000	11,541,700	12,045,800
Algeria—							
Bituminous	116,830	159,781	211,496	201,369	219,070	261,000	253,800
Lignite	504	—	—	—	—	—	—
Belgian Congo	48,000	49,553	100,292	100,462	115,638	149,964	157,441
Madagascar	1,752	3,140	371	—	—	16	1,870
Morocco (French)—							
Anthracite	132,277	175,800	218,248	264,300	285,700	336,000	362,100
Mozambique	15,558	11,684	16,038	15,917	8,938	12,899	(a)
Tunis—							
Lignite	64,730	67,512	93,465	75,166	69,283	46,500	40,500
Greenland	8,000	7,000	8,000	7,000	8,000	7,000	8,000
Mexico	889,300	900,000	967,300	1,022,800	1,040,528	1,012,000	927,000
United States—							
Anthracite	56,876,217	49,048,133	54,023,994	51,062,508	51,017,811	38,126,539	39,354,199
Bituminous	550,912,571	513,347,336	474,334,329	560,491,132	532,528,877	388,192,773	454,100,000
Lignite	2,280,500	2,382,420	2,381,803	2,565,762	2,755,255	2,760,830	3,036,000
Argentina	5,300	3,200	3,100	14,000	17,200	17,600	(a)
Brazil	1,826,284	2,040,142	1,866,764	1,967,326	1,993,007	2,100,147	1,951,743
Chile—							
Bituminous	2,243,437	2,045,702	1,923,201	2,046,279	2,198,774	2,043,892	2,146,478
Colombia	491,285	526,000	542,000	497,000	506,000	492,000	(a)
Peru—							
Anthracite	14,315	36,266	80,793	80,749	41,620	27,552	(a)
Bituminous	156,306	161,818	145,388	131,182	140,797	139,454	(a)
Venezuela	8,529	6,911	3,564	3,021	20,291	1,751	24,985
China—							
"Free"	5,415,000	5,155,000	18,118,000	(a)	} 8,600,000	16,000,000	(a)
North and Central (c) ..	20,872,000	(a)	(a)	(a)			
Formosa (c)	1,627,000	782,000	1,041,000	1,269,000	(b) 1,500,000	1,623,000	(a)
French Indo-China—							
Anthracite	482,000	318,000	257,600	243,531	349,413	370,274	486,607
Bituminous, etc.	46,000	13,000	—	—	—	—	—
Indonesia	(d) 100,000	(d) 100,000	75,354	219,389	528,826	848,292	(a)
Iran (b)	(a)	(a)	150,000	150,000	150,000	200,000	250,000
Japan (c) —							
Anthracite	} 48,556,000	484,000	437,000	638,000	839,000	768,000	674,000
Bituminous		{ 2,531,000	19,617,000	26,172,000	32,491,000	36,695,000	37,179,000
Lignite		1,618,000	2,315,000	2,776,000	2,512,000	2,055,000	1,240,000
Karafuto (c)	2,636,000	(a)	(a)	(a)	(a)	(a)	(a)
Korea (c)	6,926,000	(a)	(e) 272,755	(e) 459,896	(e) 769,836	(e) 1,049,000	(a)
Lebanon—							
Lignite	—	—	—	—	354	(a)	(a)
Manchuria (c)	25,222,000	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic	(a)	(a)	46,644	72,568	86,361	121,388	156,314
Turkey—							
Bituminous	3,503,625	3,660,960	3,770,038	3,882,811	3,959,283	4,116,645	4,291,728
Lignite	751,641	713,766	594,000	809,934	983,268	1,217,137	1,179,290
TOTAL	1,420,000,000	1,050,000,000	1,180,000,000	1,330,000,000	1,360,000,000	1,280,000,000	1,400,000,000
WORLD'S TOTAL	1,700,000,000	1,324,000,000	1,445,000,000	1,622,000,000	1,668,000,000	1,600,000,000	1,722,000,000

(a) Information not available.

(b) Estimated.

(c) Years ended March 31 following that stated for the years 1944 and 1945.

(d) Average annual production during Japanese occupation

(e) Southern Korea only.

(f) U.S. Bureau of Mines.

PRODUCTION OF COKE
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Gas-works—coke (b) ..	9,284,000	9,407,600	9,994,700	9,889,700	10,875,800	11,290,300	11,778,900
breeze (b) ..	2,146,000	2,174,100	2,361,900	2,373,900	2,621,300	2,556,100	2,610,400
Coke-ovens—coke ..	14,081,354	13,985,727	13,986,600	13,814,947	15,422,800	15,491,000	15,442,400
breeze ..	766,452	741,738	732,000	782,001	858,000	930,400	957,000
Northern Ireland—							
Gas-works (estimated) ..	120,000	120,000	120,000	120,000	120,000	120,000	120,000
Southern Rhodesia ..	78,596	83,760	84,465	62,684	78,109	79,969	(a)
Union of South Africa—							
Coke-ovens	663,113	680,107	692,249	655,011	789,561	940,687	1,019,660
Gas-works	(a)	(a)	29,062	(a)	(a)	(a)	(a)
Canada—							
Gas-works—coke ..	241,648	241,980	231,398	233,107	236,029	237,088	204,209
breeze	30,934	32,760	5,137	2,545	2,326		
Coke-ovens—coke ..	3,069,246	2,975,516	2,551,429	2,654,487	3,067,502	3,215,649	3,311,835
breeze	245,401	242,887	214,812	247,496	217,157		
India—							
Gas-works	(a)	(a)	(a)	75,082	78,337	80,004	75,440
Hard	1,603,909	1,634,005	1,674,997	1,868,838	1,750,954	2,006,019	2,215,089
Soft	445,721	547,292	627,622	671,033	850,517	1,025,122	1,268,870
Australia (d)—							
Gas-works—coke ..	992,898	1,032,950	1,027,157	1,072,906	1,170,545	1,181,516	988,336
breeze	175,094	50,480	51,845	55,546	60,556	69,160	75,606
Coke-ovens—coke ..	1,485,342	1,223,892	986,005	1,197,636	1,384,238	1,150,039	1,164,401
breeze	126,221	102,402	78,466	93,403	111,062	83,439	87,394
New Zealand (e)—							
Gas-works	98,758	93,412	88,554	91,605	94,355	93,419	(a)
Irish Republic—							
Gas-works (c)	75,627	95,415	121,019	79,978	77,867	86,392	(a)
FOREIGN COUNTRIES							
Austria—							
Gas-works	504,292	(a)	299,821	283,121	309,700	555,519	547,520
Coke-ovens	(a)	(a)	112,601	338,962	581,700	844,963	971,705
Belgium—							
Gas-works	(a)	(a)	(a)	(a)	39,400	33,400	27,200
Coke-ovens	2,012,279	2,006,580	3,837,765	4,712,699	5,498,535	4,928,326	4,513,000
Bulgaria—							
Coke-ovens	(a)	(a)	(a)	(a)	8,341	—	—
Czechoslovakia—							
Gas-works	406,892	286,172	371,312	4,074,614	(f)4,542,100	(a)	(a)
Coke-ovens	4,456,959	1,870,540	2,215,115				
Denmark (gas-works) (g) ..	416,692	336,113	481,538	505,734	553,200	574,100	(a)
Finland (gas-works) ..	75,989	64,532	56,650	55,914	62,961	66,684	66,622
France—							
Gas-works	314,621	563,658	1,180,393	1,652,089	2,071,800	2,089,000	2,031,000
Coke-ovens	2,862,717	2,687,361	5,069,425	5,907,800	6,148,199	6,744,000	6,924,000
Semi-coke	146,740	140,872	165,330	182,672	198,787	236,000	248,000
Germany—							
Gas-works	(a)	(a)	1,467,600	1,651,600	2,211,200	(i)2,661,800	3,080,000
Coke-ovens—Hard coke	51,572,000	(h) 5,201,000	(i)9,556,000	(i)14,886,000	(i)19,487,000	(i)24,743,000	26,901,700
do. Brown-coal coke	(a)	(h) 210,000	(h)292,000	(h) 356,000	(h) 444,000	(i) 594,400	654,300

(a) Information not available. (b) Revised to exclude coke used for heating retorts.

(c) Including coke-breeze.

(d) Years ended June 30 of that stated.

(e) Sales for years ended March 31 of the year following that stated.

(f) January to October only.

(g) Years ended March 31 of the year following that stated.

(h) British and American Zones. (i) Western Zones.

PRODUCTION OF COKE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Greece (gas-works) ..	(a)	(a)	(a)	(a)	11,300	15,300	(a)
Italy—							
Gas-works	(a)	(a)	(a)	773,530	971,515	966,708	1,014,625
Coke-ovens	490,947	(a)	38,504	945,523	1,287,972	1,487,304	1,477,900
Netherlands—							
Gas-works	(b) 440,292	(c) 98,500	488,594	938,000	988,000	998,600	980,000
Coke-ovens	1,550,486	842,027	1,287,110	1,746,000	2,205,000	2,435,300	2,759,600
Norway (gas-works) ..	47,346	17,124	51,024	54,982	58,540	71,198	(a)
Poland—							
Gas-works	(a)	(a)	497,752	693,351	} 5,011,000	5,662,000	5,952,000
Coke-ovens	(a)	(a)	3,019,555	3,703,348			
Semi-coke	(a)	(a)	8,640	55,037			
Portugal (gas-works)—							
Coke	21,644	18,859	18,291	22,529	23,432	20,096	(a)
Breeze	3,074	3,396	4,532	4,958	6,997	6,775	(a)
Coke dust	3,085	2,660	3,476	5,909	7,165	4,191	(a)
Saar—							
Gas-works	(a)	(a)	(a)	(a)	2,200	2,000	600
Coke-ovens	(a)	380,000	806,000	1,784,000	2,744,200	3,312,700	3,226,700
Semi-coke	(a)	—	34,000	43,000	47,000	37,000	(a)
Spain—							
Gas-works	169,145	136,000	181,600	151,606	186,900	211,067	(a)
Coke-ovens	848,951	758,200	746,500	802,761	834,976	952,217	(a)
Sweden (including breeze)	589,308	426,286	403,564	631,296	685,197	658,840	(a)
Switzerland—							
Gas-works	304,862	129,007	177,321	331,648	400,600	393,700	(a)
Algeria (gas-works) ..	(a)	76,404	77,437	81,586	91,546	41,795	75,242
Canary Islands (gas-works)	3,500	3,825	3,500	2,907	2,029	1,158	1,343
Tunis (gas-works) ..	10,019	13,587	10,573	10,028	10,680	18,448	12,732
United States—							
Coke-ovens—							
Coke	56,360,296	52,169,711	45,052,916	56,406,616	57,884,486	50,512,936	} 59,723,766
Breeze and screenings	4,121,972	3,819,036	3,498,954	4,629,682	4,825,671	4,061,587	
Coke-ovens (gas-works)	(d) —	(d) —	(d) —	(d) —	(d) —	(d) —	
Coke	3,518,983	3,271,618	3,098,376	3,199,231	3,466,047	3,257,137	4,618,534
Breeze and screenings	311,121	313,587	279,843	257,919	361,827	339,383	
Beehive—							
Coke	6,225,912	4,655,262	4,078,929	5,970,804	5,872,831	3,049,061	5,203,054
Breeze and screenings	134,955	82,405	67,871	114,310	96,667	53,120	80,993
Gas-works—							
Coke	784,493	767,184	672,621	593,371	472,655	338,769	155,734
Breeze and screenings	92,776	88,474	86,446	69,039	69,479	52,139	22,192
Brazil	(a)	(a)	(a)	(a)	(e) 261,556	(a)	(a)
Chile	103,136	98,631	(a)	107,022	123,506	122,468	(a)
Colombia (f)	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Uruguay (gas-works)—							
Coke	20,105	22,791	22,887	24,808	26,271	27,728	32,116
Breeze	4,233	3,049	2,622	3,640	3,483	3,253	4,139
French Indo-China ..	2,700	—	—	—	—	—	—
Japan—							
Coke-ovens	3,661,000	1,642,000	354,000	461,000	984,000	1,559,000	2,055,000
Beehive, etc.	1,205,000	720,000	555,000	685,000	921,000	980,000	614,000
Gas-works	1,937,000	945,000	449,000	673,000	1,064,000	1,287,000	1,311,000
Manchuria (coke-ovens) ..	1,636,000	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—							
Gas-works	47,121	43,924	47,559	52,622	55,137	56,000	(a)
Coke-ovens	205,328	223,700	258,012	261,244	266,210	288,680	299,052
Semi-coke	48,644	54,995	42,410	59,515	65,300	70,221	(a)
Coke dust	(a)	5,291	2,088	2,707	888	(a)	(a)

(a) Information not available.
 (c) October to December only.
 (e) Volta Redonda only.

(b) January to July only.
 (d) By-product coke plants owned by gas companies.
 (f) Estimated.

PRODUCTION OF BRIQUETTES

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	870,000	986,500	1,542,900	1,832,700	1,466,100	1,512,000	1,397,000
Canada	273,322	271,585	294,378	286,117	318,031	452,646	403,742
Australia (b)—							
Brown-coal briquettes ..	416,715	431,344	493,144	490,338	545,236	558,899	588,564
New Zealand	12,461	9,784	12,975	11,409	12,906	13,715	(a)
Irish Republic	121,794	117,598	84,426	53,205	(a)	(a)	(a)
FOREIGN COUNTRIES							
Belgium	438,051	763,675	1,057,097	1,331,326	973,173	768,527	998,261
Czechoslovakia—							
Coal	456,730	70,183	205,876	255,037	(a)	(a)	(a)
Brown-coal briquettes ..	323,802	189,445	248,465	279,164	(a)	(a)	(a)
Denmark—							
Brown-coal briquettes ..	(a)	(a)	(a)	18,253	16,282	38,317	(a)
France	1,573,362	3,416,445	5,080,916	5,136,406	5,735,974	6,236,000	6,201,000
Germany (c)—							
Coal briquettes	6,318,000	1,302,000	1,872,000	2,142,000	2,925,000	3,529,500	3,662,900
Brown-coal briquettes ..	60,578,000	4,496,000	10,604,000	11,653,000	12,694,000	14,024,600	14,676,900
Italy—							
Anthracite briquettes ..	3,466	15,372	(a)	(a)	(a)	(a)	(a)
Brown-coal briquettes ..	13,779	9,885	(a)	(a)	(a)	(a)	(a)
Netherlands—							
Coal briquettes	598,708	406,055	714,395	895,674	921,084	976,134	1,032,524
Brown-coal briquettes ..	42,280	26,826	42,966	41,015	61,993	60,204	55,541
Poland—							
Coal briquettes	(a)	(a)	520,726	622,272	704,520	681,826	619,100
Brown-coal briquettes ..	(a)	(a)	—	41,038	111,839	168,570	166,700
Portugal	47,929	71,037	76,055	95,879	72,655	70,476	78,328
Spain	910,255	1,032,944	820,282	777,065	989,408	1,117,919	(a)
Sweden	6,000	29,251	25,161	85,527	109,571	(a)	(a)
Switzerland (estimated) ..	(a)	(a)	100,000	100,000	100,000	100,000	100,000
Algeria	(a)	100,148	95,978	81,581	76,591	49,328	64,553
Morocco (French)	24,800	37,921	21,851	45,485	31,234	14,380	34,027
Tunis	(a)	16,358	31,836	36,183	45,024	43,444	41,481
United States (e)	2,200,858	2,466,254	2,682,167	2,831,782	2,793,283	2,146,403	2,473,232
French Indo-China	17,300	—	—	—	—	—	—
Indonesia	(a)	(a)	(a)	2,000	(a)	(a)	(a)
Turkey	33,735	23,338	12,364	14,891	7,205	(a)	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Western Zones only from 1946 inclusive.

(e) In addition packaged fuel produced was as follows (long tons):—

1944, 156,937 ; 1945, 185,842 ; 1946, 170,463 ; 1947, 163,287 ; 1948, 140,190 ; 1949, 112,454 ; 1950, 121,145.

PRODUCTION OF COAL BY-PRODUCTS

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Tar (quantity distilled) ..	2,083,000	2,121,000	2,196,000	2,274,000	2,447,000	2,481,000	2,530,000
Road tar (incl. refined) ..	606,000	628,000	735,000	732,000	742,000	648,000	616,000
Pitch	404,000	412,000	474,000	529,000	624,000	643,000	599,000
Motor benzol	164,300	172,900	224,300	174,500	215,700	230,600	216,900
Other motor spirits, etc.	113,300	110,300	118,300	81,000	111,000	134,000	134,300
Other refined light oils ..	158,400	140,800	89,700	86,500	99,100	94,100	116,100
Creosote-pitch mixture..	591,000	559,000	381,000	305,000	310,000	425,000	580,000
Creosote oil	262,000	286,000	357,000	452,000	490,500	504,800	452,400
White naphthalene	7,400	7,400	7,500	10,700	11,800	11,800	12,000
Hot-pressed do.	9,300	10,000	8,400	8,900	14,000	13,600	13,900
Crude do.	14,100	14,900	19,400	12,600	13,700	12,200	14,000
Pyridine bases	600	600	650	650	700	700	(a)
Natural phenol	9,200	8,200	9,600	9,100	10,000	9,100	11,500
Refined cresylic acid	33,000	32,500	40,000	40,000	45,600	32,200	43,800
Anthracene 40-50%	2,480	1,940	2,240	2,280	2,700	2,600	2,550
Ammonium sulphate (b) ..	779,500	760,400	833,700	796,700	901,000	924,500	960,700
Union of South Africa—							
Tar (gas-works) (c)	27,040	(a)	(a)	(a)	(a)	(a)	(a)
Canada—							
Tar* (crude)	194,400	194,847	169,456	167,053	193,544	194,118	(a)
Tar (refined)	49,102	53,732	26,845	18,243	12,532	18,169	22,178
Pitch	72,854	60,843	75,909	67,367	78,227	82,403	101,348
Creosote oils	51,129	48,782	48,738	45,823	52,592	59,795	55,848
Ammonium sulphate	36,630	35,077	27,210	29,465	37,168	35,096	(a)
Benzol	28,988	29,650	23,104	23,121	24,038	26,161	(a)
Ammonia liquor (NH ₃ content)	701	760	696	662	622	650	(a)
Toluol, naphthalene, etc.	7,882	6,569	2,635	4,060	567	584	(a)
India (coke-ovens)—							
Ammonium sulphate	20,118	19,591	19,108	18,395	16,212	19,328	22,104
Tar	(a)	59,836	62,953	63,810	59,183	66,587	80,521
Benzol (crude)	(a)	1,049	1,349	1,286	4,353	4,070	4,741
Pitch	(a)	1,942	1,829	1,247	1,299	1,143	971
Naphthalene (crude)	(a)	143	121	126	120	133	144
Australia (gas-works) (c)—							
Tar (crude)*	169,004	161,553	165,032	185,817	193,853	192,932	178,745
Tar (refined)*	52,986	34,289	37,864	40,145	43,985	40,315	35,324
Tar oils (crude)	14,105	14,204	15,126	18,422	19,150	15,537	13,772
Ammonia liquor	167,702	92,945	74,150	68,417	75,756	85,172	80,731
Ammonium sulphate	(a)	1,880	2,274	1,186	(a)	(a)	760
New Zealand (d)—							
Tar (gas-works)*	13,356	10,924	11,958	13,051	13,223	13,822	(a)
Irish Republic (gas-works)—							
Tar	6,118	6,868	6,781	6,237	10,276	12,917	(a)
Ammonium sulphate	(a)	911	1,019	261	338	312	(a)
FOREIGN COUNTRIES							
Austria—							
Tar	24,928	} (a)	} (a)	} (a)	(e) 21,235	(e) 20,831	} 27,356
Benzol	6,025						
Liquid ammonia	1,791						
Ammonium sulphate	5,234						
							(a)

* See page 70 for conversion rates.

(a) Information not available.

(b) Source: British Sulphate of Ammonia Federation. Includes ammonium sulphates from other sources.

(c) Years ended June 30 of the year stated.

(d) Sales for years ended March 31 of the year following that stated.

(e) Total coal-tar products excluding crude tar.

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Belgium—							
Tar (crude)	(a)	(a)	129,530	159,183	185,778	174,625	163,313
Benzol, crude			37,389	(a)	(a)	(a)	(a)
do. motor			16,441	15,091	24,895	20,474	10,052
do. industrial			7,913	7,786	10,563	7,082	16,175
Benzine			3,117	7,389	5,678	8,716	6,156
Toluol and xylo			2,595	2,886	3,128	4,327	2,981
Solvent naphtha			815	826	672	844	814
Denmark—							
Tar (gas-works)	25,008	28,626	22,620	30,538	36,748	39,370	(a)
Finland—							
Gas-works—							
Tar	2,194	1,941	1,996	2,586	2,744	2,742	2,984
Benzol	183	139	201	186	176	161	455
Ammonia	222	191	232	210	198	211	228
France—							
Tar (crude)	182,422	207,943	354,300	419,091	428,269	462,570	468,132
Ammonium sulphate	21,229	21,591	58,955	72,943	75,823	72,879	(a)
Benzol (crude)	27,538	21,893	55,770	55,445	60,956	67,823	71,477
Pitch	83,620	99,279	122,814	127,234	139,856	(a)	(a)
Phenol (crude)	3,844	2,678	3,879	3,931	4,992	(a)	(a)
Naphthalene	8,050	11,836	22,063	21,985	27,811	(a)	(a)
Germany (b)—							
Tar (crude)	(a)	(a)	446,900	638,200	806,600	(a)	(a)
Pitch			201,000	285,100	409,600	544,900	610,700
Tar oils			107,300	157,600	220,000	311,100	350,100
Naphthalene			(c)21,212	(c) 31,972	(a)	(a)	(a)
Benzol (crude)			96,200	144,600	207,900	(a)	(a)
Refined benzols			82,400	125,200	189,600	243,900	268,145
Phenol, cresol, etc.			3,200	4,600	7,500	7,144	17,066
Italy—							
Tar	46,568	(a)	(a)	67,278	94,843	106,300	109,862
Ammonium sulphate	13,630			10,515	(a)	(a)	(a)
Benzol (crude)				9,976	13,471	14,221	14,852
Naphthalene				6,545	5,462	5,433	5,925
Distillates				27,951	43,002	44,391	56,589
Benzol (refined)				5,699	9,700	11,304	14,711
Toluol and xylo			698	1,911	1,727	2,413	
Pitch			19,871	30,504	29,826	38,603	
Solvents			3,405	4,686	2,298	3,283	
Netherlands—							
Tar (crude)	(a)	(a)	(a)	108,950	135,968	140,040	146,424
Norway—							
Tar (gas-works)	2,994	1,640	3,160	3,758	4,580	4,351	(a)
Poland—							
Tar (crude)	(a)	(a)	79,030	95,990	118,171	(a)	(a)
Pitch			13,292	14,758	19,199		
Ammonium sulphate			20,417	29,391	29,707		
Benzol (crude)			24,876	24,515	38,712		
Portugal (gas-works)—							
Tar (crude)	2,421	3,656	3,680	2,704	2,058	1,826	2,484
Tar (refined)	2,820	2,667	2,515	2,053	1,341	425	2,938
Benzol	38	25	8	21	24	11	144
Phenol	11	18	41	46	28	20	176
Anthracene	4	8	10	8	—	—	747
Creosote	535	810	545	513	494	153	1,836
Naphthalene (crude)	4	2	2	12	4	3	—
Pitch	917	1,068	907	869	714	190	873

(a) Information not available.

(b) Bizonal area.

(c) British Zone only.

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Spain—							
Coke-ovens—							
Tar	50,146	35,700	35,900	35,941	34,893	48,787	(a)
Pitch	9,365	7,538	8,005	10,136	10,930	8,551	(a)
Benzol	9,160	(a)	(a)	7,613	6,636	7,101	(a)
Naphthalene	(a)	(a)	(a)	1,574	1,702	1,787	(a)
Ammonium sulphate..	17,266	(a)	(a)	14,608	9,255	10,300	(a)
Creosote	7,284	3,365	6,056	2,955	3,778	2,557	(a)
Gas-works—							
Tar (crude)	9,945	(f)	(f)	(f)	(f)	(f)	(a)
do. (refined)	1,725	(f)	(f)	(f)	(f)	(f)	(a)
Ammonium sulphate..	558	(f)	(f)	(f)	(f)	(f)	(a)
Sweden—							
Tar (crude)	23,158	18,539	20,864	30,980	33,822	35,703	(a)
Other tar	14,612	16,082	24,159	24,378	28,814	(a)	(a)
Pitch	1,102	1,495	1,442	1,825	1,646	(a)	(a)
Ammonium sulphate ..	3,742	3,222	3,244	4,241	(a)	(a)	(a)
Benzol, toluol, etc. ..	4,031	3,369	3,084	3,995	4,067	(a)	(a)
Distillates, etc. .. .	4,240	3,628	1,707	1,226	1,247	(a)	(a)
Switzerland—							
Tar (crude) (gas-works)	16,660	7,286	10,346	19,534	(a)	(a)	(a)
Benzol	(a)	(a)	1,858	2,450	(a)	(a)	(a)
Algeria—							
Tar (gas-works) .. .	(a)	5,364	5,187	4,818	6,214	5,550	5,511
Tunis—							
Tar (gas-works) .. .	874	871	1,080	1,488	1,281	1,388	1,392
United States—							
Coke-ovens—							
Tar*	3,281,227	2,975,672	2,550,721	3,146,045	3,157,073	2,873,536	3,161,832
Pitch	597,521	523,786	455,795	587,005	657,960	481,965	639,028
Sulphate equivalent of ammonia produced(b)	843,663	780,999	664,033	814,564	830,083	756,970	825,504
Benzol*	489,700	422,235	365,763	402,939	499,996	409,138	514,888
do. motor*	49,883	77,387	73,653	42,480	24,232	56,247	20,772
Naphthalene (crude) ..	46,000	39,142	31,967	43,919	47,240	31,618	44,522
Toluol and xyloI* .. .	137,899	112,985	73,549	109,565	116,776	114,167	126,574
Solvent naphtha* .. .	17,833	15,393	14,106	20,986	18,406	16,016	19,240
Creosote*	173,723	146,155	123,503	160,707	138,828	96,740	130,869
Phenol*	5,860	(a)	(a)	(a)	3,760	2,818	3,544
Other light products ..	30,698	26,115	25,241	27,897	26,872	23,742	20,009
All sources (c)—							
Coal tar	3,365,496	3,074,120	2,633,611	3,219,397	3,218,205	2,920,782	} 4,224,004
Water gas and oil gas tar	769,231	769,231	942,030	1,076,068	1,149,701	990,555	
Crude light oil (d) .. .	949,497	867,457	187,967	931,207	890,680	792,390	(a)
Benzol, motor	49,884	87,234	85,556	52,965	28,263	62,798	38,177
do. other (d)	594,640	520,717	454,510	558,840	579,533	444,193	(a)
Toluol	(d) 438,490	(d) 432,709	79,033	109,026	110,778	109,709	(a)
XyloI	28,330	31,163	26,539	27,000	26,118	26,680	(a)
Solvent naphtha .. .	22,881	25,038	28,449	40,644	48,077	16,016	(a)
Other light oil derivatives	120,567	49,293	41,320	55,220	60,427	50,760	(a)
Naphthalene (crude) ..	134,437	128,409	108,157	140,500	146,230	105,339	128,800
Creosote oil	639,492	614,484	541,274	632,857	575,123	525,437	564,754
Coal tar (e)	45,949	33,308	40,145	48,893	42,838	39,534	(a)

(a) Information not available.

(b) Actual Ammonium sulphate produced was as follows (long tons): 1944—730,575; 1945—682,404; 1946—574,779; 1947—722,714; 1948—769,135; 1949—728,244; 1950—755,099.

(c) Including products obtained from coke-ovens except Ammonium sulphate.

(d) Including some material produced from petroleum.

(e) Sold or consumed in coal-tar solution.

(f) Included with "coke-ovens."

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
United States (cont.)—								
All sources (cont.)—								
Tar, refined (c) ..	211,799	133,291	74,581	83,808	91,739	120,312	(a)	
Tar, road	687,932	718,496	664,637	682,085	554,081	644,453	(a)	
Distillate products, others	44,548	29,024	50,833	87,155	93,746	150,802	(a)	
Pitch of tar	1,161,607	1,494,643	1,783,000	1,294,000	1,528,000	1,055,000	(a)	
Pitch of tar coke ..	92,857	77,679	83,000	90,000	58,000	52,000	(a)	
Brazil (b)—								
Tar (crude)	(a)	(a)	(a)	(a)	13,898	(a)	(a)	
Road tar					9,111	(a)	(a)	
Benzol, motor					2,405	(a)	(a)	
do. other					334	(a)	(a)	
Toluol and xylol ..					469	(a)	(a)	
Solvent naphtha ..					44	(a)	(a)	
Naphthalene					566	(a)	(a)	
Creosote oil					78	(a)	(a)	
Ammonium sulphate					4,209	(a)	(a)	
Pitch					98	(a)	(a)	
Carbolic acid	301	(a)	(a)					
Chile—								
Tar	14,740	14,543	(a)	14,407	16,153	17,006	(a)	
Uruguay (gas-works)—								
Tar	1,704	1,739	1,605	1,741	1,806	1,847	2,020	
Benzol	390	591	334	338	54	56	33	
Tar oil	385	216	254	291	46	74	127	
Pitch	320	180	234	206	169	307	422	
Japan—								
Tar	446,601	121,896	71,099	119,853	168,051	235,997	288,955	
Benzol	32,774	7,476	3,106	5,870	10,700	18,472	23,448	
Toluol and xylol ..	7,748	1,488	520	1,193	1,783	3,437	4,760	
Solvent naphtha ..	4,134	1,098	437	1,630	1,878	3,520	4,984	
Creosote oil	109,932	33,128	12,578	24,944	47,277	64,544	69,174	
Carbolic acid (crude)	5,232	1,346	413	898	1,606	2,362	3,260	
Pitch	214,372	72,873	36,872	54,293	87,126	119,309	157,658	
Naphthalene	6,141	1,854	827	1,488	3,401	5,764	7,216	
Anthracene	307	590	12	—	—	24	47	
Turkey—								
Coke-ovens—								
Tar (crude)	(a)	(a)	12,968	—	(a)	(a)	15,405	
Benzol (crude) ..			(a)	3,389	—	(a)	(a)	3,161
Road tar			503	377	324	(a)	(a)	(a)
Heavy oils			(a)	3,792	5,257	(a)	(a)	(a)
Naphthalene (crude)			445	204	—	(a)	(a)	748
Anthracene (crude)			(a)	318	241	(a)	(a)	(a)
Pitch			6,244	7,691	7,245	7,636	(a)	(a)
Naphthalene (refined)			300	340	441	(a)	(a)	(a)
Motor benzol			2,293	2,670	2,775	(a)	(a)	(a)
Other benzol			(a)	1,579	—	(a)	(a)	(a)
Solvent naphtha ..	94	44	93	(a)	(a)	(a)		
Gas-works—								
Tar	1,980	2,283	2,636	2,901	3,081	(a)	(a)	

* The following rates have been used for conversion of gallons to long tons : Tar, 195 ; Benzol, 250 ; Creosote, 210 ; Motor fuel, 310 ; Toluol, 255 ; Solvent naphtha, 260 ; Phenol, 210 ; Cresylic acid, 214.

(a) Information not available.

(b) Volta Redonda only.

(c) Used for paints, etc.

EXPORTS OF COAL, COKE AND BY-PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Anthracite—							
small and sized ..	246,483	486,552	913,222	67,612	398,669	606,185	823,628
large	33,224	7,957	49,515	35,035	133,001	309,404	410,923
other	—	—	183	469	4,478	17,119	32,944
Bituminous—							
small and sized ..	896,744	1,639,780	1,959,875	490,037	5,335,887	6,230,309	5,432,948
unscreened	437,770	723,406	702,969	242,938	1,524,371	2,065,545	2,076,200
large	991,969	467,009	828,733	220,842	3,018,931	4,395,078	4,279,327
other	(a)	(a)	(a)	(a)	(a)	292,276	494,662
bunkers	2,417,968	3,104,824	4,719,234	4,393,672	5,430,574	5,043,692	3,982,141
Coke, gas	17,478	25,851	79,286	4,067	634,752	795,616	865,630
do. other	95,751	157,567	397,665	68,313	227,004	873,003	1,339,709
Manufactured fuel ..	23,006	21,399	20,070	—	199,795	370,995	384,898
Tar	4,627	42,847	109,451	186,007	160,485	88,094	141,138
Pitch	74,364	154,208	179,008	216,469	232,196	241,269	282,128
Creosote oil	1,633	2,550	23,947	163,802	170,359	161,173	129,802
Other heavy coal-tar oils	236	970	4,457	5,435	3,250	3,861	3,201
Naphthalene	2,712	2,502	2,754	1,054	3,045	3,512	4,780
Carbolic acid—							
Crude	8	16	11	30	14	6	} 965
Crystals	256	1,534	394	23	36	1,563	
Cresylic acid	8,570	10,576	13,880	11,119	11,988	6,756	15,807
Benzol	179,438	122,404	4,832	2,310	213	90	44,564
Anthracene	—	—	—	—	—	50	1
Other coal-tar products	3,450	4,527	11,928	10,348	9,340	6,715	(a)
Malta—							
Coal (bunkers on merchant ships) (b) ..	(a)	(a)	3,672	4,112	8,717	2,888	1,853
Kenya—							
Coal (bunkers) (b) ..	77,297	48,260	29,899	39,099	24,141	27,688	18,076
Nigeria—							
Coal	187,627	184,797	177,528	135,699	83,120	58,616	2,718
do. (bunkers)	(a)	7,827	10,854	20,937	14,186	29,949	10,443
do. do. (b)	(a)	6,058	2,809	—	—	—	—
Sierra Leone—							
Coal (bunkers) (b) ..	244,246	156,383	92,392	77,469	45,433	33,571	18,491
Southern Rhodesia—							
Coal	904,825	784,146	649,922	604,463	704,595	728,547	784,478
Coke	92,980	78,835	68,598	55,200	62,397	47,622	53,996
Union of South Africa—							
Coal	3,664,152	3,760,343	3,145,933	2,596,060	1,689,238	1,824,716	2,487,911
do. (bunkers)	753,962	760,481	712,553	605,216	560,678	580,432	371,870
Coke	27,988	63,482	49,879	39,321	11,462	14,443	40,281
Tar and pitch	4,994	2,231	5,515	33	37	48	(a)
Canada—							
Coal	892,328	735,455	762,430	630,721	1,127,631	379,468	340,071
do. (bunkers) (c) ..	183,072	164,573	197,240	159,725	105,885	107,029	85,871
do. do. (d)	496,415	458,283	309,271	381,062	365,705	321,379	261,720
Lignite	9,672	15,177	7,649	7,269	9,210	6,285	12,573
Coke	38,025	34,522	43,921	95,136	149,374	243,850	308,071
Tar and pitch	1,481	16,052	11,331	6,117	344	18	14
Creosote oil	12,360	8,298	412	151	3	—	41
Other coal tar oils ..	9,289	10,773	13,565	10,087	18,804	19,854	14,940

* For Ammonium sulphate, etc. see Nitrogen Compounds, pages 201-202.

(a) Information not available.

(b) Foreign coal (see imports).

(c) Domestic produce. Shipments from mines to ships' bunkers.

(d) Foreign coal, "ex-warehoused for ships' stores". (See imports.)

EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
British West Indies—							
Bermuda—							
Coal (bunkers) (c) ..	(a)	(a)	(a)	(a)	3,425	1,240	(a)
British Guiana—							
Coal (bunkers) (c) ..	41	167	97	11	—	3	3
Jamaica—							
Coal (bunkers) (b) ..	5,182	11,271	26,284	72,929	34,966	(a)	(a)
Trinidad and Tobago—							
Coal (bunkers) (c) ..	69,244	79,969	59,819	81,172	55,742	33,483	18,482
Aden—							
Coal (bunkers) (c) ..	184,341	191,580	285,542	309,365	193,397	202,488	130,794
India—							
Coal	103,493	53,860	463,522	547,631	934,521	1,270,261	903,145
do. (bunkers—domestic produce)	367,361	382,595	551,499	495,274	382,122	410,861	220,357
do. (bunkers—foreign produce)	—	—	125	—	—	—	—
Coke	150	179	983	2,895	13,767	2,304	7,699
Coal and coke (government stores)	13,703	—	—	—	—	(a)	(a)
Malaya (including re-exports)—							
Coal	(a)	(a)	2,002	1,581	323	105	1
do. (bunkers) (c) ..	(a)	(a)	(a)	120,236	71,974	66,307	44,286
Coke	(a)	(a)	2,227	214	351	348	273
Tar and pitch	(a)	(a)	234	241	272	247	254
Ceylon—							
Coal (bunkers) (c) ..	147,469	134,701	137,994	104,441	112,400	109,111	80,644
Cyprus—							
Coal (incl. bunkers) (c)	45	(a)	96	163	638	560	225
Hong Kong (re-exports)—							
Anthracite	} (a)	} (a)	4,999	85	} 2,768	} 19,406	} 53,107
Bituminous			1,442	3,080			
Briquettes			—	—			
Coke			211	223			
Australia—							
Coal	150,555	121,735	88,598	48,364	49,904	48,247	67,391
do. (bunkers)	209,501	218,386	207,899	335,455	274,248	293,707	(a)
Coke	22,697	16,376	40,401	7,739	5,348	2,523	2,920
Carbolic acid	(a)	(a)	(a)	(a)	(d) 23	444	(a)
Other coal tar oils ..	(a)	(a)	(d) 1,541	(d) 3,435	(d) 2,746	3,579	2,460
New Zealand—							
Coal	516	19	2,558	4,068	2,420	7,032	2,983
do. (bunkers)	37,171	21,970	24,809	23,967	16,493	14,543	2,083
Coke	16	5	7	11	19	323	1,134
Tar	7	10	49	9	17	13	138
Pitch	2	1	—	—	—	—	—
Irish Republic—							
Coal (bunkers) (c) ..	(a)	(a)	(a)	(a)	3,711	1,843	1,042
Coke	—	—	—	—	1,454	—	—
FOREIGN COUNTRIES							
Austria—							
Coke	(a)	(a)	(a)	20,061	18,663	14,586	15,944
Tar	(a)	(a)	(a)	(a)	(a)	(a)	8,301

(a) Information not available.

(b) Amount imported for bunkers. Figures of actual shipments are not available.

(c) Foreign coal (see imports).

(d) Years ended June 30 of that stated.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Belgium-Luxemburg E.U.—								
Coal	237,074	36,591	304,827	827,683	606,776	1,262,332	2,727,791	
do. (bunkers) (b) ..								(a)
Coke	336,236	155,089	471,480	684,884	692,408	392,126	334,631	
Briquettes	14,835	651	15,803	72,103	45,440	12,648	15,126	
Brown coal briquettes ..	—	(a)	(a)	(a)	261	46	—	
Tar	6	(a)	(a)	(a)	1,573	4,655	5,064	
Naphthalene	1,713	(a)	(a)	(a)	8,659	5,739	9,109	
Distillates	15,966	(a)	(a)	(a)	(a)	(a)	(a)	
Bulgaria—								
Coal	55,544	6,746	4,611	(a)	(a)	(a)	(a)	
Czechoslovakia—								
Coal	(a)	(a)	24,590	34,035	(c) 438,250	(a)	(a)	
Brown coal			308,589	941,987	(c) 942,665			
Coke	(a)	(a)	270,503	567,846	(c) 840,114	(a)	(a)	
Briquettes			20	3,076	(c) 20			
Tar and pitch	(a)	(a)	67,160	31,813	(c) 19,412	(a)	(a)	
Benzol, etc.			3,600	1,172	(c) 2,830			
Crude naphthalene	(a)	(a)	1,023	1,779	(c) 5,794	(a)	(a)	
Crude carboic acid			248	1,606	(c) 3,261			
Cresol	(a)	(a)	29	208	(c) 418	(a)	(a)	
Creolin, etc.			818	1,612	(c) 1,498			
Denmark—								
Tar and pitch	2,435	1,284	79	87	24	124	642	
France—								
Anthracite	67,094	40,750	299,264	33,588	14,570	9,959	16,554	
Bituminous								(a)
Brown coal	14,122	986	45,129	12,984	1,061	381	253	
Coke								654
Briquettes	—	226	78,045	106,641	12,698	25,082	47,265	
Brown coal briquettes ..								1,083
Coal, coke and briquettes—	16,283	36,834	(a)	(a)	(a)	(a)	(a)	
Bunkers (domestic produce)								466
do. (foreign produce) ..	425	380	1,317	4,715	25,061	5,416	3,479	
Tar and pitch	1,318	—	84	148	2,680	276	1,200	
Benzol	207	4	926	1,296	1,025	2,178	10,101	
Naphthalene	—	42	77	99	70	10	108	
Carboic acid, etc.	—	62	97	61	1	25	206	
Anthracene	—	—	110	454	531	244	931	
Coal tar oils	Germany (g)—							
Coal	(d)	—	—	—	9,173,908	12,654,798	15,144,844	
do. (bunkers for foreign ships)	16,467,840	(a)	e 12,884,000	f 19,999,000	129,674	326,037	346,182	
Brown coal	550,093	(a)	(a)	—	—	—	—	
Coke	3,070,641	(a)	(a)	(a)	6,736,716	7,663,176	8,018,510	
Coal briquettes	102,790				123,036	98,492	244,842	
Brown-coal briquettes ..	1,042,859	(a)	(a)	(a)	1,528,237	1,575,199	1,565,681	
Tar and pitch	34,229				390	34,123	107,453	
Naphthalene	1,785	(a)	(a)	(a)	3,349	7,040	30,302	
Carboic acid	341				—	124	1,599	
Cresol	503	(a)	(a)	(a)	1	103	651	
Light coal-tar oils, etc. ..	5,317				3,152	792	1,092	
Heavy coal-tar oils, etc. ..	3,732	(a)	(a)	(a)	17,299	18,430	86,630	

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) January to October only.

(d) January to July only.

(e) British and French Zones only.

(f) British, French and Russian Zones.

(g) Western Germany from 1948 inclusive.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Hungary—							
Coal	(a)	(a)	80,705	130,093	(a)	(a)	(a)
Lignite							
Coke							
Briquettes							
Italy—							
Coal	(a)	(a)	(a)	4,508	7,130	8,149	2,630
Coke	(a)	(a)	(a)	—	50,522	116,846	58,982
Tar and tar oils							
Naphthalene							
Netherlands—							
Coal	(a)	(a)	351	46,685	35,173	17,903	22,550
do. (bunkers) (b)							
Brown coal							
Coke							
Briquettes							
Brown coal briquettes							
Tar							
Creosote							
Naphthalene							
Anthracene							
Carbolic acid							
Benzol							
Toluol and xylol							
Solvent naphtha							
Norway—							
Coal	—	—	—	33	4,951	—	(a)
Tar	—	—	4	4	1	—	(a)
Pitch	—	5	43	32	5	19	(a)
Poland—							
Bituminous	(a)	5,403,194	13,270,447	17,609,908	24,361,553	(a)	(a)
Brown coal							
Coal (bunkers) (c)							
Coke							
Briquettes							
Naphthalene							
Benzol							
Creosote, etc.							
Portugal—							
Coal	610	192	4	137	116	1,227	(a)
do. (bunkers) (c)	27,359	21,329	28,252	18,280	21,541	15,364	(a)
Tar and pitch	203	185	102	80	97	194	(a)
Spain—							
Anthracite	3,796	9,519	30,646	17,242	7,878	3,407	21,234
Bituminous	302,395	337,251	357,741	222,912	84,048	17,396	40,449
Other coal	1	3	13	214	443	—	(a)
Coke	148	243	568	555	733	858	(a)
Briquettes	—	4,190	2,737	59	—	—	(a)
Carbolic acid, naphthalene, etc.	43	32	95	149	97	171	(a)
Tar and pitch	3	19	20	5	6	27	(a)
Spitzbergen—							
Coal (including bunkers)	—	289	61,741	276,751	413,686	522,922	(a)
Sweden—							
Coal	33,348	14,335	—	793	—	—	30
Coke	15,050	9,979	—	1,000	—	—	26,469
Tar, pitch, etc.	1,982	428	3,570	8,205	10,893	4,690	18,301
Benzol	—	1,213	1,780	2,150	1,550	106	2,498
Carbolic acid, etc.	—	52	24	3	5	—	—
Toluol and xylol	—	56	844	547	113	237	4,958
Yugoslavia—							
Bituminous	(a)	(a)	(a)	(a)	(a)	(a)	104,077
Brown coal	(a)	(a)	(a)	(a)	(a)	(a)	26,204

- (a) Information not available.
 (b) Including imported coal.
 (c) Bunkers for foreign ships.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Switzerland—							
Coal	—	—	99	197	34	334	322
Coke	—	—	—	9	—	976	25
Briquettes	—	—	—	1,544	309	197	544
Tar and pitch	—	—	2,524	3,024	5,098	4,679	2,561
Creosote, etc.	—	1	113	604	991	976	55
Naphthalene, etc.	75	47	675	840	1,129	1,295	3,016
Algeria—							
Coal	—	(a)	(a)	33,631	30,087	41,355	44,584
do. (bunkers)	8,586	4,668	85,790	90,900	48,478	(a)	(a)
do. do. (b)	26,503	24,269	112,769	124,532	(a)	(a)	(a)
Coke	616	5	—	3	—	} 559	} 31
Briquettes	—	9	21	107	261		
do. (bunkers) (b)	25	—	—	—	(a)	(a)	(a)
Tar	—	10	144	12	524	(a)	(a)
Angola (b)—							
Coal	325	17	—	57	(a)	(a)	(a)
Tar	179	857	252	(a)	(a)	(a)	(a)
Canary Islands—							
Coal	12	3	3	7	} 78,777	{ 2,116	(a)
do. (bunkers) (b)	—	21,265	55,505	63,434			{ 87,847	(a)
Cape Verde Islands (b)—							
Coal (bunkers)	1,210	(a)	(a)	(a)	(a)	(a)	(a)
Ceuta—							
Coal	3,507	4,494	6,082	5,286	} 120,426	{ 1,683	(a)
do. (bunkers) (b)	135,601	151,148	126,851	158,525			{ 127,076	(a)
Egypt—							
Coke	2	3	2	1	1	8	(a)
Tar	7	—	—	—	—	—	(a)
Madagascar—							
Coal (bunkers)	6,320	7,509	15,729	11,964	3,289	56	3,142
Morocco (French)—							
Anthracite	2,810	15,401	100,200	99,688	(a)	159,628	(a)
Other coal	—	374	50,377	2,804	(a)	(a)	(a)
Briquettes	11,311	15,401	12,470	18,225	(a)	(a)	(a)
Mozambique—							
Coal	7,119	9,108	8,341	9,509	8,184	3,096	5,834
Mexico—							
Anthracite	6	34	—	} 51	} 327	(a)	(a)
Other coal	3,139	320	3,864				
Coke	1,244	37	—	(a)	(a)	(a)	(a)
Naphthalene	—	—	11	(a)	(a)	(a)	(a)
Benzol, toluol, etc.	—	3	—	(a)	(a)	(a)	(a)
Creosote	356	—	—	(a)	(a)	(a)	(a)
United States—							
Anthracite	3,737,440	3,295,756	5,787,413	8,715,204	5,960,638	4,413,098	3,474,615
Bituminous	23,243,168	24,960,886	36,783,373	68,755,586	41,004,754	24,858,979	22,739,646
do. (bunkers)	1,392,263	1,593,711	1,232,602	(a)	(a)	(a)	(a)
Coke	773,960	1,320,309	1,099,399	837,237	630,527	489,514	355,220
Briquettes	146,136	151,215	145,838	248,760	185,612	149,232	156,936
Tar and pitch	27,488	70,207	328,425	292,444	159,124	149,762	49,646
Benzol	1,891	9,816	23,429	5,156	5,760	4,421	4,395
Creosote	1,838	3,361	1,311	4,134	3,189	2,879	1,593
Toluol and xylol	51,710	18,456	(c) 9,730	(c) 11,271	(c) 13,106	—	—
Carbolic acid	12,824	7,523	11,021	9,178	13,419	10,242	6,272
Argentina—							
Coal	34,727	36,958	70,147	(a)	(a)	(a)	(a)
Coke	1	10	6	(a)	(a)	(a)	(a)
Tar and pitch	—	13	1	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Foreign coal (see imports.)

(c) Toluol only.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Brazil—							
Coal	16,476	—	—	—	—	(a)	(a)
Chile—							
Coal (including bunkers)	45,585	53,871	38,745	14,423	33,708	61,000	80,705
Coke	21	98	169	202	59	(a)	(a)
Colombia—							
Coal	135	765	10	(a)	(a)	(a)	(a)
Peru—							
Coal	} 8,641	{ 22,945	55,398	47,277	24,820	(a)	78,700
do. (bunkers) ..			5,275	3,900	1,376	(a)	(a)
China—							
Coal (including bunkers)	—	—	41,669	15,333	18,976	(a)	(a)
Coal dust	—	—	8,088	756	—	(a)	(a)
Coke	(a)	(a)	5	1	—	(a)	(a)
French Indo-China—							
Coal	} 701	93	239	23,822	67,884	71,469	57,596
do. (bunkers) ..							
Indonesia—							
Coal	(a)	(a)	—	—	27,250	27,538	(a)
Japan—							
Coal	703,000	(a)	786,731	803,112	1,086,564	767,681	499,666
Tar and pitch	(a)	(a)	1,352	2,156	148	(a)	16,437
Korea—							
Coal	404,509	(a)	(a)	(a)	(a)	(a)	(a)
Manchuria—							
Coal	2,033,370	(a)	(a)	(a)	(a)	(a)	(a)
Portuguese India—							
Coal	12	74	—	40	(a)	(a)	(a)
Syria and Lebanon—							
Coal	—	478	3,036	(a)	(a)	(a)	(a)
Coke	—	—	—	(a)	(a)	(a)	(a)
Tar	10	—	219	(a)	(a)	(a)	(a)
Turkey—							
Coal	—	18	174,063	110,813	1,109	1,458	335

(a) Information not available.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Coal	2,576	1,041	7,211	694,438	80,224	476	4,834
Coke	—	10	3,200	2,212	—	—	1
Manufactured fuel	—	—	—	55	10	—	2
Tar and pitch	—	3,211	1,798	2,008	1,689	2,854	3,033
Other heavy coal-tar oils	1	—	—	—	14	(d) 4	(a)
Naphthalene	—	—	20	—	22	—	—
Carbolic acid	—	—	2,744	1,930	5,670	918	1,506
Benzol	—	—	372	(d) 286	—	—	—
Malta—							
Coal (c)	(a)	(a)	4,581	17,554	18,997	17,262	20,501
Anglo-Egyptian Sudan—							
Coal	86,008	60,291	45,021	29,544	71,072	71,260	53,532
Coke	412	895	380	—	1,892	498	(a)
Pitch	4	12	145	—	2	1	(a)
Tar	380	405	651	138	481	117	(a)
Tar oils	75	3	13	10	1,035	509	(a)
Gambia—							
Coal, coke and patent fuel	1,150	1,233	1,205	905	213	—	5
Tar and pitch	160	6	6	12	6	5	9
Gold Coast—							
Coal	100,079	91,243	107,243	87,809	98,710	129,767	61,892
Coke	907	426	245	505	246	450	298
Patent fuel	1	—	—	—	56	—	—
Tar and pitch	808	3,607	1,878	2,035	3,566	464	4,248
Kenya (e)—							
Coal (c)	244,135	229,480	192,637	219,416	159,960	59,288	41,940
Coke	1,505	1,072	687	846	659	1,205	1,523
Creosote, etc.	40	42	95	51	107	143	138
Tar, pitch and bitumen	4,992	—	9,213	3,018	166	146	9
Tar oils	(a)	(a)	(a)	(a)	(a)	37	37
Mauritius—							
Coal	} 65,881	{ 32,448	50,050	51,425	63,799	40,520	48,261
Coke			527	512	486	520	289
Tar and pitch			(a) 82	(a) 36	(a)	13	7
Nigeria—							
Coal (c)	9,668	5,383	1,770	124	1,179	153	60,495
Coke	434	932	427	666	869	548	1,197
Patent fuel	—	(£28)	(£13)	2	—	—	1
Tar and pitch	1,706	3,660	4,287	3,363	2,243	79	859
Northern Rhodesia—							
Coal and patent fuel	578,692	555,350	391,786	487,805	565,608	562,737	637,988
Coke	3,795	3,745	3,029	5,363	5,762	6,366	6,025
Tar and creosote oil	70	87	18	15	23	28	53
Tar and pitch	246	252	174	85	157	197	253
Nyasaland—							
Coal	5,325	8,627	10,538	11,048	14,842	12,950	24,010
Coke	37	23	63	41	109	120	144
Tar and pitch	(a)	(a)	(a)	123	81	627	1,667
Sierra Leone—							
Coal (b)	251,974	162,344	125,036	93,975	69,455	61,820	39,722
Coke	40	52	171	—	118	215	5
Tar and pitch	693	102	130	73	328	121	286

* For ammonium sulphate, etc., see Nitrogen Compounds, pages 203-208.

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(c) Includes coal imported for bunkering purposes. See exports.

(d) Excess of re-exports.

(e) Including Uganda up to 1948 inclusive.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Southern Rhodesia—							
Coal and coke	1,109	1,288	1,345	1,536	2,258	2,723	3,602
Tar and pitch	2,778	1,023	600	759	3,621	2,273	1,233
South West Africa—							
Coal	3,623	7,215	11,902	18,621	23,448	16,529	(a)
Coke	52	10	17	104	15	70	(a)
Tar and pitch	72	141	34	8,388	5,742	2,891	(a)
Tanganyika—							
Coal	25,375	28,314	20,930	35,424	53,555	45,284	56,605
Coke	287	231	429	206	518	770	247
Creosote, etc.	12	45	78	41	124	128	102
Tar and pitch	26	36	95	317	233	126	37
Uganda—							
Coal	}	(b)	(b)	(b)	(b)	}	25
Coke							42
Creosote, etc.							213
Tar and pitch							95
Tar oils							11
Union of South Africa—							
Coal	47,510	42,465	64,230	50,382	57,879	66,041	(a)
Coke	473	357	172	81	11	—	(a)
Tar and pitch	321	343	396	723	299	485	(a)
Naphthalene	9	—	5	44	21	4	(a)
Tar and creosote ..	490	361	1,028	1,274	2,214	2,648	(a)
Zanzibar—							
Coal	10,413	14,352	7,690	9,641	15,537	10,057	(a)
Canada (c)—							
Anthracite	3,908,393	3,027,576	4,092,711	3,785,940	4,656,084	3,507,892	3,822,422
do. dust	67,492	19,512	42,456	36,990	26,806	14,550	4,705
Bituminous	21,173,846	18,870,601	18,847,450	21,592,192	22,495,936	15,956,586	19,970,159
do. (bunkers) (f) ..	496,415	458,283	309,271	381,062	365,705	321,379	261,720
Brown coal	152	417	154	181	13,064	14,774	6,671
Briquettes	(a)	127,174	162,706	219,423	275,672	166,938	170,655
Coke	726,433	1,111,295	714,990	511,482	485,982	373,446	301,715
Cresylic acid	148	192	125	161	274	79	206
Benzol	—	99	632	10	116	2,551	4,110
Tar	9,837	12,157	16,779	15,431	10,068	3,344	30,101
Pitch	5,588	1,839	1,716	12,921	29,696	20,199	15,732
Naphthalene	688	894	464	1,033	519	660	758
Carbolic acid, etc. ..	1,705	2,551	2,824	11,241	22,596	11,777	23,227
Newfoundland (d)—							
Anthracite	18,370	25,946	22,039	53,956	20,321	}	(d)
Other coal	523,570	486,297	438,276	521,669	416,313		
Coke	(e) 267	(e) 503	(e) 421	(e) 3,482	68,764		
Tar	1,410	839	916	521	396		
Pitch	148	106	104	240	117		
Creosote	280	12	136	261	856		
British Guiana—							
Coal	8,690	7,902	5,600	6,405	5,250	3,998	288
Coke	45	34	140	131	192	144	126
Patent fuel	95	—	—	—	1,000	321	3,050
British West Indies—							
Bahamas—							
Coal	52	25	93	75	29	32	16
Barbados—							
Coal, coke, and patent fuel	(a)	2,010	1,617	3,115	2,134	1,491	2,009
Bermuda—							
Bituminous	213,977	5,251	2,686	10,600	3,795	4,363	1,389
Coke	—	27	5	366	—	—	40

(a) Information not available.

(b) Included with Kenya.

(c) Including Newfoundland from April 1, 1949.

(d) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(e) Including charcoal.

(f) "Ex-warehoused for ships' stores." See exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
<i>British West Indies—cont.</i>							
<i>Grenada—</i>							
Coal	9	8	3	1	4	10	3
Coke	—	29	—	—	11	—	—
<i>Jamaica—</i>							
Coal (b)	36,842	34,971	52,284	85,464	39,085	44,993	14,966
Coke	184	139	157	148	445	479	706
Tar	1	3	2	3	6	3	3
<i>Leeward Islands—</i>							
Coal, coke and patent fuel	(d) 9	3,501	2,076	4,021	21	5,201	(d) 13
<i>St. Lucia—</i>							
Coal	—	—	—	3	79	56	57
Coke	1	—	2	2	—	—	—
Tar	—	—	2	1	25	4	5
<i>St. Vincent—</i>							
Coal	—	26	(a)	17	14	(a)	(a)
<i>Trinidad and Tobago—</i>							
Coal (b)	78,182	83,073	59,860	86,654	58,960	38,676	26,007
Coke	2,181	3,821	30	—	214	228	39
Patent fuel	4	5	—	—	5	1,080	6
Tar and pitch ..	115	135	150	118	90	135	84
<i>Falkland Islands—</i>							
Coal	1,533	2,762	4,568	2,866	2,500	1,471	1,796
Coke	110	130	87	174	41	40	26
<i>British Honduras—</i>							
Coal and coke ..	15	61	84	27	22	43	18
Tar and pitch ..	14	13	229	4	9	4	13
<i>Aden—</i>							
Coal (b)	224,640	211,967	275,114	327,603	227,349	230,077	109,061
Coke	—	47	20	50	29	50	—
Tar and pitch ..	16	11	121	—	15	(e) 70	64
Naphthalene ..	351	477	357	606	457	522	297
<i>India (total imports)—</i>							
Coal	423	302	8,345	200	10	4	1,425
Coke	67	855	10	—	750	—	—
Tar and pitch ..	35	592	376	431	657	1,162	386
Naphthalene ..	188	210	146	62	39	106	15
Carbolic acid ..	210	148	39	6	27	163	46
<i>Malaya (total imports)—</i>							
Coal (b)	(a)	(a)	57,457	211,165	125,820	135,648	93,627
Coke	(a)	(a)	392	2,346	7,337	4,762	5,695
Tar and pitch ..	(a)	(a)	994	1,261	1,266	986	1,650
<i>Ceylon—</i>							
Coal (b)	285,925	332,676	342,966	319,668	343,928	310,655	367,051
Coke	838	38	319	53	1,104	1,474	654
Tar and pitch ..	196	233	115	409	277	158	46
<i>Cyprus—</i>							
Coal (c)	1,053	1,574	1,110	1,047	7,390	3,851	1,492
Coke and briquettes ..	6	—	270	379	353	497	413
Tar and pitch ..	1	3	11	6	2	13	(a)
Naphthalene ..	7	9	20	38	41	14	41

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(c) Including imports for bunkering purposes.

(d) Incomplete.

(e) Excess of re-exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES (Cont.)								
Hong Kong (total imports)—								
Anthracite	(a)	(a)	20,087	16,390	} 325,573	421,718	317,124	
Bituminous	(a)	(a)	12,114	206,816				
Coke	(a)	(a)	517	1,829				
Palestine—					12,720	6,472	2,753	
Anthracite	—	4,676	4,058	} (a)	(a)	(d)	(d)	
Other coal	4,399	11,220	738					
Coke	405	1,653	93					
Patent fuel	—	—	—					
Briquettes	—	—	—					
Tar and pitch	10	3	46					
Australia—								
Coal	4,739	756	1,343	2,600	36,901	442,226	636,219	
Coke	—	—	—	862	—	7,226	(a)	
Naphthalene	—	12	45	8	10	2	35	
Tar oils	129	208	49	—	56	(c) 746	126	
Fiji—								
Coal	24,396	11,202	20,150	21,997	21,498	26,140	9,750	
Coke	289	310	402	442	418	534	361	
Tar and bitumen	173	242	477	1,421	746	686	1,447	
New Zealand—								
Coal	—	—	27,185	93,411	62,657	78,626	45,186	
Coke	2,399	2,674	3,239	2,982	2,633	4,263	2,750	
Tar	47	69	94	586	2,776	127	2	
Pitch	119	486	621	1,260	751	579	794	
Benzol, toluol, etc.	10	39	101	123	42	187	214	
Naphthalene (£ N.Z.)	(£6,008)	(£32)	(£1,761)	(£2,508)	—	8	7	
Solomon Islands (b)—								
Coal	(a)	—	—	—	50	8	1	
Sarawak—								
Coal	(a)	(a)	—	260	1	—	—	
Tar	(a)	(a)	(a)	(a)	63	67	132	
Irish Republic—								
Anthracite	16,052	23,051	42,686	17,254	55,252	54,323	42,910	
Bituminous	718,602	898,900	1,229,367	1,481,866	1,640,391	1,578,023	1,785,759	
Coke	65,539	75,656	74,557	31,132	24,199	23,463	40,544	
Tar and pitch	13,652	18,230	34,155	24,964	7,368	6,340	6,288	
Creosote, etc.	370	592	212	1,750	2,592	4,838	5,267	
Tar and bitumen mixture	180	699	16,317	26,572	36,390	19,488	21,321	
Benzol	2	5	9	20	23	47	40	
FOREIGN COUNTRIES								
Austria—								
Coal	} (a)	(a)	1,866,083	1,333,157	3,034,767	4,277,651	4,215,494	
Brown coal				441,954	781,899	705,065	438,968	
Coke				107,921	212,449	359,378	252,588	
Briquettes				498,266	543,974	664,162	558,109	
Belgium-Luxemburg E.U.—								
Coal	545,151	1,450,738	2,304,206	5,572,931	3,054,434	1,158,456	886,162	
do. coke	130,999	311,800	1,217,854	1,242,837	2,742,373	2,240,111	2,410,940	
do. briquettes	172	12,980	52,004	8,520	338	875	2,151	
Brown coal	35,476	} 230,605	389,005	(a)	4,712	2,345	67	
do. do. coke	14			(a)	99	(a)	5,170	
do. do. briquettes	105,911			(a)	171,137	203,629	207,761	189,091
Tar	873			(a)	(a)	(a)	14,726	6,451	11,024
Naphthalene	—	(a)	(a)	(a)	373	1,092	(a)	
Distillates	292	(a)	(a)	(a)	(a)	(a)	(a)	

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Excess of re-exports.

(d) See "Israel" under Foreign Countries.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Bulgaria—							
Coal	14,480	816	65	(a)	(a)	(a)	(a)
Coke	3,188	2	4,590				
Benzol	165	20	79				
Carbolic acid	7	—	78				
Naphthalene	67	132	236				
Creosote, etc.	221	—	—				
Czechoslovakia—							
Coal	(a)	(a)	106,543	945,699	(c)1,722,477	(a)	(a)
Brown coal			42,637	62,003	(c) 10,798		
Coke			297	20,521	(c) 3,558		
Briquettes			1,793	—	(c) —		
Tar and pitch			65	4,043	(c) 109		
Benzol, etc.			219	1,137	(c) —		
Carbolic acid	147	—	27	(c) 31			
Denmark—							
Coal	2,408,482	1,100,005	2,522,333	3,379,989	2,685,293	3,052,421	3,943,395
Brown coal	184,727	22,097	—	—	—	—	(a)
Coke	303,013	163,865	1,149,402	626,788	790,244	1,274,402	313,467
Briquettes	34,591	2,857	—	—	—	—	37,460
Brown coal briquettes	524,930	47,092	62,094	249,511	2,520	233,479	256,165
Tar	821	674	5	—	514	—	1
Pitch	2,212	181	974	2	89	28	(a)
Carbolineum	566	93	46	3	2	—	26
Benzol	2,272	434	2,674	1,074	637	625	1,375
Toluol	192	94	2,121	785	830	915	1,093
Carbolic acid	46	15	240	178	268	233	85
Finland (total imports)—							
Anthracite	823	—	8,957	1,075	2,492	4,600	(a)
Other coal	724,265	71,985	676,776	1,278,521	1,968,346	929,867	1,435,277
Coke	165,662	37,555	237,415	195,707	405,989	246,569	461,645
Tar	3,686	270	156	2,382	1,541	1,440	(a)
Carbolic acid, creosote and cresol	53	51	310	2,018	1,735	2,778	(a)
Naphthalene	60	—	59	17	17	83	(a)
Benzol	309	98	261	763	1	293	(a)
Carbolineum	5	—	15	271	323	212	(a)
France—							
Anthracite	4,774	115,013	431,498	512,353	1,032,610	1,162,367	559,958
Bituminous	802,359	3,044,552	8,428,770	12,208,208	12,303,462	12,983,962	6,814,248
Lignite	—	—	7,296	33,206	40,848	2,886	—
Coke	346,747	358,466	1,183,962	1,895,342	3,075,239	3,918,850	2,604,172
Coal briquettes	7,716	131,465	26,909	3,659	23,061	2,686	246
Brown-coal briquettes	56,732	174,481	608,524	227,368	261,321	285,856	378,057
Tar and pitch	13,604	156,262	437,671	519,193	454,170	417,118	472,441
Naphthalene	134	1,954	274	—	709	11	—
Carbolic acid, etc.	—	—	251	49	153	425	694
Anthracene	265	—	1,588	380	934	1,112	321
Benzol	229	2,098	15,554	14,541	7,533	2,375	809
Heavy coal-tar oils	2,474	1,551	1,884	3,449	3,148	6,255	10,494
Germany—							
Coal	(b) 75,102	(a)	(a)	(a)	1,140,531	2,103,064	4,002,434
Brown coal	(b) 2,988	(a)	(a)	(a)	785,480	947,129	1,005,889
Coke	(b) 903,337	(a)	(a)	(a)	47,486	69,270	235,000
Coal briquettes	(b) 2,436	(a)	(a)	(a)	526	483	95
Brown-coal briquettes	(b) —					5,160	5,348
Tar and pitch	(b) 3,189					161	16,225
Naphthalene	(b) 3,519					41	2,779
Carbolic acid	(b) 150					2,211	1,245
Cresol	—					4	651
Light coal-tar oils, etc.	(b) 16,412	118	29,956				
Heavy coal-tar oils, etc.	(b) 18,074	—	273				

(a) Information not available. (b) January to July only. Figures for 1948 onwards refer to Western Germany.
 (c) January to October only.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Greece—								
Coal	(a)	146,287	174,153	167,748	243,521	285,363	(a)	
Coke	(a)	528	3,359	7,053	7,444	12,870	(a)	
Naphthalene	(a)	—	943	413	848	842	(a)	
Pitch	(a)	204	174	235	330	355	(a)	
Benzol	(a)	—	24	2	37	134	(a)	
Hungary—								
Coal	(a)	(a)	116,875	129,059	} 773,000	(a)	(a)	
Coke	(a)	(a)	203,434	415,902				
Iceland—								
Coal	129,646	114,975	93,959	164,717	125,622	(a)	(a)	
Coke	1,813	30	135	73	790	(a)	(a)	
Tar	417	260	906	522	268	(a)	(a)	
Carbolineum	5	7	—	5	—	(a)	(a)	
Italy—								
Anthracite	} (a)	} (a)	} (a)	337,513	44,093	140,173	305,036	
Bituminous				8,153,963	8,088,874	8,273,364	7,773,243	
Lignite				189,495	77,629	156,600	91,926	
Coke				222,970	33,413	12,436	7,003	
Tar and tar oils				22,188	5,789	13,175	4,599	
Benzol				18,372	25,592	5,678	1,423	
Toluol and xylol				3,128	2,606	3,381	7,855	
Naphthalene	5,167	3,342	6,247	2,801				
Netherlands—								
Coal (b)	} (a)	} (a)	2,901,587	3,718,189	3,325,545	3,917,395	4,637,030	
Brown coal			—	—	—	—	—	—
Coke			8,706	1,257	9	6,798	161,553	
Briquettes			16,595	10,153	38,380	24,582	128,868	
Brown-coal briquettes			316,660	192,020	232,272	194,640	218,868	
Tar			3,710	2,961	6,640	5,899	12,179	
Creosote			6	36	25	5	3,990	
Naphthalene			—	—	70	40	1,968	
Carbolic acid			286	326	324	124	905	
Benzol			—	—	68	30	2,524	
Toluol and xylol			73	687	426	2,124	1,211	
Carbolineum			1,347	357	21	132	411	
Solvent naphtha			6	1	83	58	225	
Asphalt	255	63	763	879	1,088			
Norway—								
Coal	1,114,185	990,857	1,481,680	2,033,691	1,481,437	1,384,675	1,182,373	
Coke	—	—	55,694	10,087	228,332	172,010	388,125	
Tar and pitch, etc.	6,252	2,224	8,826	10,988	9,769	12,461	5,447	
Pitch coke	16,356	7,166	11,283	18,384	21,327	28,012	14,166	
Creosote, etc.	873	474	6,088	7,946	7,960	9,227	7,730	
Portugal—								
Anthracite	990	18,342	38,767	40,903	20,267	13,603	(a)	
Other coal	564,880	463,208	527,197	912,816	755,104	856,901	(a)	
Coke	7,244	5,795	35,382	17,644	42,881	21,454	(a)	
Briquettes	109	—	2,053	(a)	851	1,306	(a)	
Tar and pitch	4,741	3,022	8,975	6,446	6,816	4,363	(a)	
Carbolic acid	36	29	2	27	27	39	(a)	
Naphthalene	120	31	236	122	71	136	(a)	

(a) Information not available.

(b) Of which the amounts imported for bunkering purposes were:—

Year	long tons
1944	(a)
1945	(a)
1946	181,014
1947	232,451
1948	104,903
1949	111,998
1950	78,990

IMPORTS OF COKE, COAL AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Spain—							
Anthracite	—	—	—	—	98	113	—
Bituminous	64,055	52,523	72,149	17,004	467,237	898,993	571,667
Coke	24,696	464	1,764	—	31,963	83,140	143,203
Briquettes	—	—	—	6	3,346	944	(a)
Tar and pitch	48,107	8,452	45,290	22,417	63,076	68,073	(a)
Benzol, toluol, xylo!, etc.	—	—	668	3,002	1,230	62	(a)
Sweden—							
Anthracite	45,862	—	—	517,528	33,517	32,288	} 4,773,401
Other coal	2,265,439	267,943	2,404,772	3,577,189	5,282,205	3,869,809	
Coke	1,194,520	88,021	995,335	889,523	1,590,353	1,954,920	2,277,454
Briquettes	43,793	745	58,262	636,222	211,467	5,274	24,605
Tar, pitch, etc.	599	725	3,228	7,613	13,587	4,619	(a)
Benzol, etc.	177	2,204	9,601	4,048	10,033	6,543	(a)
Carbolic acid, etc. ..	94	276	1,049	2,043	2,150	2,168	(a)
Switzerland—							
Coal	803,532	207,730	1,079,362	1,695,169	1,761,207	1,325,390	1,760,585
Lignite	32,035	399	25,601	68,558	3,057	854	805
Coke	309,642	19,506	283,445	394,464	634,952	429,264	576,340
Briquettes	202,423	7,488	123,105	323,673	197,597	233,268	294,595
Tar and pitch	61,660	16,325	117,700	50,147	43,463	37,524	54,113
Creosote, etc.	1,067	378	4,663	1,760	2,528	1,465	1,091
Naphthalene, etc. ..	1,306	2,959	9,322	13,303	17,208	8,842	10,514
Algeria—							
Coal	945,574	216,311	707,727	565,796	382,926	353,809	383,028
Coke	4,562	2,424	3,378	2,337	3,783	947	(a)
Briquettes	54,542	6,868	15,953	8,755	17,138	1,067	(a)
Tar and pitch	11,117	2,953	7,212	5,105	(a)	32	(a)
Benzol, toluol, etc. ..	—	1	3	81	32	137	(a)
Naphthalene	—	—	174	13	27	95	(a)
Heavy oils	2	—	211	82	362	52	(a)
Angola—							
Coal	5,576	13,313	5,974	5,558	(a)	25,015	19,972
Coke	167	289	459	253	(a)	(a)	(a)
Tar and pitch	172	381	435	667	(a)	(a)	(a)
Belgian Congo—							
Coal	173,627	94,935	} (a)	} (a)	117,259	157,933	148,482
Coke	91,627	67,994			54,225	44,302	54,768
Briquettes	—	—	—	—	10,191	32,081	(a)
Tar	297	227	—	—	(a)	(a)	(a)
Cameroon (French)—							
Coal	3,015	149	4,953	10,726	18,073	26,641	(a)
Canary Islands—							
Coal (b)	118,761	126,442	111,839	186,794	94,127	106,356	(a)
Cape Verde Islands—							
Coal (b)	19,244	(a)	(a)	(a)	(a)	(a)]	(a)
Ceuta—							
Coal (b)	187,362	231,295	225,834	186,577	208,902	247,339	(a)
Egypt—							
Coal	306,717	257,658	191,964	267,009	251,910	122,096	(a)
Coke	4,689	4,915	2,802	1,508	13,184	7,093	(a)
Briquettes	—	—	—	—	24,690	3,142	(a)
Tar and pitch	10	1	26	116	31	59	(a)
Naphthalene	38	68	186	24	129	43	(a)
Coal-tar residues ..	—	—	44	4	256	900	(a)
French Equatorial Africa—							
Coal and briquettes ..	5,041	3,842	8,315	11,160	24,876	51,218	7,249

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
French Somaliland—							
Coal	5,636	—	17,407	17,321	40,446	21,172	(a)
French Togoland—							
Coal and briquettes ..	3,225	4	4,343	31	2,100	—	(a)
French West Africa—							
Coal and briquettes (b)	75,607	102,317	112,665	99,167	78,709	110,307	(a)
Madagascar—							
Coal	17,725	31,074	36,370	30,779	27,463	24,818	60,644
Melilla—							
Coal (b)	12,531	18,007	18,769	16,797	12,355	9,854	(a)
Morocco (French)—							
Coal	134,154	113,445	106,702	159,191	179,500	104,800	89,600
Coke	4,281	1,782	1,083	2,898	(a)	(a)	(a)
Briquettes	—	—	—	—	(a)	(a)	(a)
Tar	—	52	192	81	(a)	(a)	(a)
Morocco (Spanish)—							
Anthracite	1,854	3,970	2,593	1,533	(a)	(a)	(a)
Other coal	(a)	(a)	3,778	5,630	(a)	(a)	(a)
Coke	(a)	(a)	65	23	(a)	(a)	(a)
Tar	6	23	15	13	(a)	(a)	(a)
Mozambique—							
Coal	148,983	160,623	169,077	180,861	180,457	191,844	216,598
Coke	320	125	92	74	48	16	381
Tar and pitch	201	355	2,337	674	961	852	1,388
Naphthalene	8	7	9	11	4	2	33
Reunion—							
Coal	1,433	1,210	3,595	10,928	11,887	12,750	(a)
Tunis—							
Coal	119,192	204,605	282,299	273,700	189,601	204,369	157,337
Coke	89	382	48	2,383	4,686	(a)	(a)
Briquettes	—	—	—	17	—	(a)	(a)
Tar	5	2,172	1	213	757	(a)	(a)
Costa Rica (c)—							
Coal	(e) 2,300	94	87	122	2,951	100	(a)
Cuba (e)—							
Coal	143,869	278,099	107,865	(a)	29,040	24,305	(a)
Coke	21,881	13,391	(a)	(a)	16,993	18,622	(a)
Creosote oil	237	147	(a)	(a)	(a)	(a)	(a)
Tar	307	185	(a)	(a)	(a)	(a)	(a)
Benzol	266	56	(a)	(a)	(a)	(a)	(a)
Dominican Republic (c)—							
Coal, coke, briquettes, etc.	1,800	930	(a)	3,808	5,400	454	(a)
French West Indies—							
Guadeloupe—							
Coal	6,222	34	2,190	5,336	3,615	1,379	59
Martinique—							
Coal	7,801	2,947	6,208	6,608	3,764	8,108	5,703
Coke	1	1	864	1	1	1	(a)
Guatemala—							
Coal	(e) 300	(a)	(a)	1,152	82	120	44
Coke	(a)	(a)	(a)	154	330	638	1,124
Haiti—							
Coal	(e) 60	(d) 61	(d) 5	(d) 5	(a)	(a)	(a)

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(c) Total imports.

(d) Years ended September 30 of that stated.

(e) Exports from the United States to the country indicated.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Mexico—							
Coal	2,078	990	756	742	1,349	(a)	(a)
Coke	1,985	2,686	2,323	11,153	32,947	77,491	(a)
Tar and pitch	73	96	56	30	17	(a)	(a)
Benzol	5	38	181	192	176	(a)	(a)
Creosote	419	2,258	245	1,491	4,483	(a)	(a)
Nicaragua (total imports)—							
Coal and coke	(b) 150	60	7	58	(a)	(a)	(a)
St. Pierre and Miquelon—							
Coal	5,193	6,973	11,614	12,760	18,221	12,098	11,772
United States—							
Anthracite	7,581	133	8,532	9,241	844	—	16,329
Bituminous	494,179	324,766	289,180	235,121	213,885	222,793	227,641
Lignite	1,336	11,921	7,103	2,268	1,066	1,196	1,999
Slack and culm	68,071	70,400	91,824	20,553	45,171	57,243	79,919
Coke	56,254	46,396	46,596	92,845	144,107	247,774	390,699
Briquettes	463	645	583	346	294	326	718
Tar and pitch	712	1,955	7,131	5,466	9,918	8,223	13,762
Benzol	178,930	108,792	8,137	3,516	7,834	9,918	79,218
Cresylic acid	8,647	6,106	10,300	9,928	11,567	4,857	13,580
Creosote oil	12,621	8,907	9,294	136,897	164,664	132,520	165,274
Naphthalene	229	310	112	1,055	16,778	22,359	50,101
Carbolic acid	—	—	24	1	11	69	69
Argentina—							
Coal	607,076	755,745	1,126,294	1,192,071	2,085,238	1,360,000	1,230,000
Coke	9,893	30,513	7,450				
Briquettes	—	—	—	(a)	(a)	(a)	(a)
Tar and pitch	6	329	316				
Naphthalene	420	429	1,867	(a)	(a)	(a)	(a)
Carbolic acid	253	1,188	638				
Creolin	—	—	1	(a)	(a)	(a)	(a)
Heavy coal-tar oils	1,005	1,824	758				
Bolivia—							
Coal	(b) 24,000	(a)	21,686	8,268	6,888	(a)	(a)
Brazil (total imports)—							
Coal	460,280	687,250	1,021,118	1,506,929	1,043,406	755,257	(a)
Coke	24,066	17,240	23,111	40,963	22,457	(a)	(a)
Briquettes	—	—	9,961	—	—	(a)	(a)
Carbolic acid	81	245	75	100	163	(a)	(a)
Naphthalene	175	6	21	118	243	(a)	(a)
Chile—							
Anthracite	132	93	62	8,811	2,273	—	76,768
Other coal	15,232	452	3,405	31,228	90,248		
Coke	9,984	5,214	7,070	5,543	7,935	7,900	5,905
Naphthalene	73	62	24	(a)	(a)	(a)	(a)
Carbolic acid and cresol	1,003	1,131	993	556	1,569	1,428	474
Creolin, etc.	49	109	156	(a)	(a)	(a)	(a)
Colombia—							
Coal	—	21	57	(a)	(a)	(a)	(a)
Tar and pitch	(a)	79	160	(a)	(a)	(a)	(a)
Naphthalene	(a)	8	15	(a)	(a)	(a)	(a)
Cresol, creolin, etc.	51	60	19	(a)	(a)	(a)	(a)
Dutch Guiana—							
Coal	(b) 4,000	(a)	1,978	(a)	(a)	(a)	(a)
French Guiana—							
Coal	—	345	24	54	10	(a)	(a)

(a) Information not available.

(b) Exports from the United States to the country indicated.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru—							
Coal	49	701	370	305	(a)	(a)	(a)
Coke	493	1,363	890	714	(a)	(a)	(a)
Tar	15	18	18	(a)	(a)	(a)	(a)
Naphthalene	43	8	13	(a)	(a)	(a)	(a)
Uruguay—							
Coal	57,235	(a)	(a)	(a)	(a)	(a)	(a)
Coke	1,891	(a)	(a)	(a)	(a)	(a)	(a)
Naphthalene	31	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Coal	(a)	925	1,040	940	(a)	(a)	(a)
Naphthalene	(a)	8	6	19	(a)	(a)	(a)
China—							
Coal	51	199	71,951	212,029	135,974	(a)	(a)
Coke	(a)	(a)	1,053	4,507	1,183	(a)	(a)
Tar and pitch	(a)	(a)	343	287	107	(a)	(a)
French Indo-China—							
Coal	(a)	(a)	(a)	7,408	10,244	9,488	(a)
Iran (total imports) (b)—							
Coal, coke and peat	(a)	(a)	2	1	(a)	(a)	(a)
Iraq—							
Coal	30	10	} (a)	(a)	(a)	(a)	(a)
Coke	72	107					
Tar and pitch	—	27					
Israel—							
Anthracite	} (e)	(e)	(e)	(e)	(e)	} 20,001	13,500
Other coal							
Coke							
Coke						4,766	7,920
Coke						1,033	12,319
Japan (total imports)—							
Coal	3,272,000	(d) 307,072	—	35,431	1,169,237	1,677,088	807,843
Korea (total imports)—							
Coal	2,937,856	(a)	(a)	(c) 627,960	963,481	(a)	(a)
Manchuria—							
Coal	2,075,681	(a)	(a)	(a)	(a)	(a)	(a)
Portuguese India—							
Coal	6,123	6,178	5,640	25,549	(a)	(a)	(a)
Coke	5	—	1	9	(a)	(a)	(a)
Briquettes	12,708	—	—	—	(a)	(a)	(a)
Syria and Lebanon—							
Anthracite	—	34,472	24,874	} (a)	(a)	(a)	(a)
Other coal	32,500	—	—				
Coke	—	14	1				
Tar	—	—	1				
Turkey—							
Coal	58	3,470	218	—	35	—	20
Cresol and naphthalene	248	342	166	495	169	40	22
French Oceania—							
Coal	7,439	5,311	3,045	6,436	2,907	3,852	5,941
New Caledonia—							
Coal	150,386	113,747	53,041	35,670	28,079	125,541	(a)

(a) Information not available.

(b) Years ended March 20 following year stated.

(c) Exports from Japan to Korea.

(d) Including coke.

(e) See "Palestine" under British Countries.

COBALT

PRODUCTION OF COBALT

(In terms of metal)

(Cwt.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Northern Rhodesia ..	18,891	13,335	9,348	7,627	7,759	10,237	13,177
Canada (b)	324	974	660	5,113 (c)	13,793	5,527	5,593
Australia (d)	175	184	203	162	200	180	208
FOREIGN COUNTRIES							
Finland	1,693	1,653	1,988	2,008	—	—	—
Germany (e)	1,260	(a)	(a)	(a)	(a)	(a)	(a)
Italy	8	8	—	—	—	—	—
Sweden	—	183	—	—	—	—	—
Belgian Congo	36,948	55,200	42,400	69,000	84,600	86,670	101,334
Morocco (French) ..	4,783	1,929	4,720	7,280	5,252	4,901	8,300
United States	7,397	9,818	4,628	5,762	6,138	4,658	7,226
Chile	100	28	—	—	(a)	(a)	(a)

Complex ores containing cobalt are produced in Greece, China and Korea, but figures are not available.

(a) Information not available.

(b) Metal recovered from smelter products plus cobalt contained in cobalt ores and residues exported. The figure for 1944 excludes the content of ores placed on United States Government stock piles at Deloro, Ontario. This is recorded as production only when exported or recovered in Canadian smelters.

(c) The greater part of the 1948 production was shipments from stockpiles of ores mined in earlier years. See (b).

(d) Estimated cobalt content of cobalt oxide.

(e) Partly derived from imported material.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Cobalt and cobalt alloys	8	348	1,435	698	606	751	602
Cobalt oxide	24	1,043	1,829	1,087	951	882	2,450
Other compounds ..	(a)	(a)	(a)	5,967	6,917	9,683	12,376
Northern Rhodesia—							
Cobalt alloy	47,964	34,268	26,125	18,196	21,214	28,268	35,750
Canada—							
Cobalt ore (Co content)	231	580	429	797	7,777	440	149
Cobalt	9,010	5,208	4,558	360	280	107	—
Cobalt alloys	1,577	2,866	997	533	792	305	9
Cobalt oxides and salts	4,131	4,960	4,072	7,477	7,829	5,773	3,466
Australia—							
Cobalt	(a)	(a)	(a)	(c) 851	—	80	—
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.							
Cobalt	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Cobalt oxide and pigments	29	(a)	(a)	(a)	(a)	(a)	(a)
Cobalt salts	16	(a)	(a)	(a)	(a)	(a)	(a)
Finland—							
Cobalt ore	1,579	37	4	232	—	—	—
Cobalt	1,399	1,516	2,136	682	98	—	—
Cobalt oxide	122	66	38	—	217	—	—
France—							
Cobalt salts	—	—	12	25	4	12	4
Sweden—							
Cobalt	21	2	—	98	—	—	—
Belgian Congo—							
Cobalt	} 87,359	129,390	93,736	160,662	37,262	37,695	47,065
Cobalt-copper ingots ..					123,833	109,778	130,604
Morocco (French)—							
Cobalt ore	20	16,732	62,989	31,495	106,294	35,628	(a)
United States—							
Cobalt ore	—	—	13	—	1,203	—	—
Cobalt alloys and scrap..	3,111	(a) 17	141	5	435	1,472	1,422
Cobalt oxide	822	(a)	(a)	(a)	(a)	(a)	(a)
Cobalt salts	358	741	(a)	(a)	(a)	(a)	(a)
Chile—							
Cobalt ore	—	—	—	(a)	(a)	(a)	(a)
Cobalt salts	—	4	11	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Exports of cobalt metal are not separately recorded, but imports into the United States from Belgium were as follows (cwt.):—1944—Nil; 1945—4,159; 1946—15,049; 1947—24,339; 1948—15,399; 1949—19,470; 1950—24,595.

(c) Year ended June 30 of that stated.

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Rondels, pellets and squares	5,557	3,906	5,179	6,341	8,688	6,705	5,836
Other kinds, including alloys	25,079	13,281	9,197	18,021	20,082	24,421	30,117
Cobalt oxide	2,004	3,279	3,365	4,419	7,177	5,635	5,111
Other compounds ..	(a)	(a)	(a)	2,516	2,734	688	2
Canada—							
Ore	32,824	21,338	10,446	—	7,572	727	34,933
Cobalt oxide	15	144	145	6	1	9	231
Australia (c)—							
Cobalt salts	93	12	396	394	592	853	800
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Cobalt oxide and pigments	47	(a)	(a)	(a)	(a)	(a)	(a)
Cobalt salts	—	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia—							
Zaffre and smalt ..	(a)	(a)	522	423	(b) 108	(a)	(a)
France—							
Cobalt ore	(a)	10,669	13,862	4,518	22,643	20,286	30,756
Matte and speiss ..	—	—	3,455	4,287	(a)	(a)	(a)
Ingots	4	606	2,447	2,051	(a)	(a)	(a)
Cobalt oxide, including zaffre and smalt ..	—	3	102	10	116	22	297
Cobalt salts	—	—	285	709	(a)	(a)	(a)
Italy—							
Cobalt oxide	(a)	—	344	356	226	691	191
Sweden—							
Cobalt	301	284	1,567	1,780	1,630	2,543	(a)
Mexico—							
Cobalt	23	—	2	(a)	(a)	(a)	(a)
United States—							
Cobalt ore (d)	14,536	7,678	15,685	10,910	107,760	32,466	30,734
Co content	4,662	974	4,585	2,374	22,769	14,579	17,081
Cobalt metal	653	8,451	17,282	68,602	47,182	49,896	60,240
Cobalt oxide	2,014	1,077	9,596	7,281	6,922	3,217	8,368
Cobalt salts	1	2	3	5	12	3	42
Argentina—							
Cobalt	302	27	23	(a)	(a)	(a)	(a)
Brazil—							
Cobalt oxide	(a)	64	130	180	(a)	(a)	(a)
China—							
Cobalt oxide	(a)	(a)	1,108	785	(a)	(a)	(a)
Japan—							
Cobalt oxide	(a)	(a)	(a)	2,775	(a)	(a)	89
Turkey—							
Cobalt metal	(a)	(a)	(a)	30	—	7	—
Cobalt salts	—	—	58	60	1	(a)	—

(a) Information not available.

(b) January to October only.

(c) Years ended June 30 of that stated up to 1948 inclusive.

(d) As recorded in official trade returns. According to U.S. Bureau of Mines includes Cobalt Alloy.

COPPER

PRODUCTION OF COPPER ORE

(In terms of metal)

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	27	20	22	20	(a)	(a)	(a)
Northern Rhodesia (d) ..	222,120	196,188	188,520	194,172	222,900	254,988	292,788
Southern Rhodesia	98	155	143	171	129	79	115
South West Africa	—	—	—	(c) 4,980	8,150	9,514	10,823
Union of South Africa	22,508	23,638	26,578	28,869	28,809	30,821	33,446
Canada (d)	244,228	212,015	164,257	201,663	214,939	} 235,229	} 234,701
Newfoundland	4,942	4,619	4,388	3,792	4,061		
Cyprus (e)	80	180	6,000	15,000	14,900	26,000	20,800
India	6,600	6,550	6,500	6,350	6,460	6,440	7,180
Australia	28,056	24,520	17,755	13,123	12,368	13,462	14,905
New Zealand	—	—	60	—	—	2	(a)
TOTAL	529,000	468,000	414,000	468,000	513,000	577,000	614,800
FOREIGN COUNTRIES							
Austria	7,800	(a)	103	317	857	1,339	1,664
Finland (d)	16,754	15,808	13,980	15,356	18,089	18,422	15,203
France (d)	24	—	22	55	93	66	(a)
Germany	17,000	(a)	(f) 461	(f) 235	(f) 358	854	1,340
Italy	1,500	700	200	300	300	300	(a)
Norway	14,234	5,121	12,056	14,475	14,873	14,640	15,156
Portugal	1,400	1,600	1,800	2,100	2,500	2,900	2,531
Spain (g)	6,000	7,000	8,500	8,000	9,000	10,000	12,000
Sweden	15,866	14,690	15,119	12,936	14,601	16,016	15,845
U.S.S.R. (estimated) (b) ..	130,000	120,000	130,000	140,000	170,000	200,000	220,000
Yugoslavia (g)	(a)	30,000	30,000	30,000	40,000	40,000	40,000
Angola	70	(a)	90	280	388	730	1,259
Belgian Congo (smelter) ..	162,871	157,691	141,613	148,458	153,025	139,166	173,142
Morocco (French)	625	382	60	40	433	354	20
Cuba	6,480	9,528	12,590	11,044	15,000	17,000	20,235
Mexico (d)	40,647	60,706	60,089	62,489	58,143	56,342	60,724
United States (d)	868,347	690,084	543,515	756,753	745,369	672,098	811,913
Bolivia (exports)	6,073	6,001	6,030	6,142	6,512	4,994	4,630
Chile (d)	490,456	462,756	345,336	419,931	437,922	365,233	357,028
Ecuador	3,629	3,764	2,046	91	333	698	518

(a) Information not available.

(b) Smelter.

(c) Including ore sorted ex dumps.

(d) Amount estimated as recoverable.

(e) Estimated copper content of saleable pyrites plus the copper content of copper concentrates produced. The copper content of the latter was as follows (long tons): 1944—Nil; 1945—Nil; 1946—4,700; 1947—12,100; 1948—11,200; 1949—18,500; 1950—14,800.

(f) British Zone only.

(g) Estimated.

PRODUCTION OF COPPER ORE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru.. .. .	31,894	31,412	24,204	22,137	17,784	27,517	27,412
Formosa	3,922	(a)	(a)	(a)	(a)	(a)	(a)
Japan	85,472	27,542	14,739	21,542	25,322	32,219	38,703
Korea (Southern)	2,680	1,230	144	127	65	28	(a)
Philippine Republic	(a)	(a)	—	2,462	3,300	6,896	10,220
Saudi Arabia	1	—	9	249	66	48	41
Turkey (smelter)	10,781	9,692	9,891	9,921	10,806	11,105	11,515
TOTAL	2,000,000	1,650,000	1,380,000	1,690,000	1,750,000	1,640,000	1,840,000
WORLD'S TOTAL	2,500,000	2,120,000	1,790,000	2,160,000	2,260,000	2,220,000	2,455,000

Copper ore is also produced in small quantities in certain European countries, China and Iran, information for which is not available.

(a) Information not available.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Northern Rhodesia ..	220,853	194,014	182,289	192,500	213,615	259,302	276,433
Union of South Africa ..	22,043	23,291	26,166	28,568	28,536	29,248	32,816
Canada (b)	220,512	195,295	149,043	177,159	190,015	200,377	206,465
India	5,730	6,000	6,311	5,931	5,863	6,390	6,614
Australia	19,898	20,498	22,659	19,505	11,389	9,858	13,509
TOTAL	489,000	439,000	386,500	423,700	449,400	505,200	535,800
FOREIGN COUNTRIES							
Austria (d)	4,528	1,134	—	488	2,109	3,735	5,052
Belgium	4,200	—	—	—	—	—	—
Finland	8,618	15,423	24,483	25,370	23,612	21,052	17,322
France	19	25	2	313	273	(a)	(a)
Germany	26,000	(a)	(c) 17,562	(c) 31,510	(c) 61,259	143,236	190,720
Italy	226	394	7	103	164	29	54
Norway	922	1,665	7,430	7,795	8,794	9,159	9,190
Portugal	151	168	81	2	—	—	—
Spain (e)	9,330	6,496	9,094	7,795	8,740	11,574	9,567
Sweden	14,824	17,960	14,242	14,032	16,909	14,132	16,444
U.S.S.R. (estimated) ..	130,000	120,000	130,000	140,000	170,000	200,000	220,000
Yugoslavia	(f) 22,300	(g) 20,000	(g) 30,000	(g) 30,000	(g) 40,000	(g) 50,000	(g) 50,000
Belgian Congo	162,871	157,691	141,613	148,458	153,025	139,166	173,142
Mexico	32,453	52,445	51,544	54,945	51,136	53,454	55,311
United States (h)	1,006,235	771,778	582,876	843,476	826,295	767,525	900,472
Chile	482,695	455,409	353,294	402,698	418,897	345,197	340,004
Ecuador	3,629	3,764	2,046	—	—	—	—
Peru	26,463	25,146	19,286	17,542	11,637	20,785	20,008
China	1,014	1,160	672	1,591	(g) 1,000	(a)	(a)
Japan (i)	65,052	25,404	20,397	28,357	28,664	37,935	36,589
Korea	5,111	(j) 419	(j) 158	(j) 386	(j) 506	(j) 303	(a)
Turkey	10,781	9,692	9,891	9,921	10,806	11,105	11,515
TOTAL	2,020,000	1,660,000	1,420,000	1,764,000	1,834,000	1,828,000	2,056,000
WORLD'S TOTAL	2,500,000	2,100,000	1,810,000	2,188,000	2,284,000	2,333,000	2,592,000

(a) Information not available.

(b) Copper content of blister and anode copper.

(c) British Zone only. Includes secondary metal.

(d) Includes secondary metal.

(e) Figures refer to black and blister copper and exclude electrolytic copper which is, in part, obtained from blister copper. Source: Centro Industrial de Vizcaya (U.N. Monthly Bull. of Stats.).

(f) U.S. Bureau of Mines.

(g) Estimated.

(h) Secondary metal was recovered as follows (long tons): 1944—849,055; 1945—898,675; 1946—717,452; 1947—858,697; 1948—868,561; 1949—636,735; 1950—872,535.

(i) Revised. Figures now refer to primary production only. Secondary metal was recovered as follows (long tons): 1944—32,707; 1945—14,173; 1946—2,504; 1947—7,878; 1948—24,818; 1949—34,936; 1950—46,817.

(j) Southern Korea only.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore, matte, etc.	—	—	56	—	—	143	(a)
Bars and ingots	388	5,990	19,217	20,215	21,247	32,113	23,470
Scrap	—	150	308	61	331	1,640	3,084
Plates, sheets, etc.	1,675	3,672	16,819	17,420	12,531	12,598	10,738
Rods and wire	1,337	7,516	29,859	24,545	28,143	33,533	30,141
Tubes	1,154	1,633	4,597	4,409	5,742	6,089	4,769
Sulphate	20,333	44,317	52,152	25,283	24,524	38,267	54,839
Northern Rhodesia—							
Blister	165,928	113,768	124,448	128,416	156,656	180,765	217,481
Electrolytic	60,774	60,501	56,241	57,480	59,179	62,653	73,288
South West Africa—							
Copper-lead ore (Cu content) (b)	—	—	—	16,162 (ore)	8,957	9,482	10,484
Tanganyika—							
Ore	—	(£1,330)	—	—	—	—	—
Union of South Africa—							
Copper-gold concentrates	—	—	526	490	597	(f) 172	(f) 82
Copper matte	(a)	(a)	(a)	606	971	(f) 362	(f) 347
Ingots, bars, plates, etc.	18,843	23,781	25,257	28,088	22,918	29,662	33,836
Canada (c)—							
Ore, matte, etc. (Cu content)	24,990	17,227	15,739	25,977	25,496	33,087	28,839
Ingots, etc.	120,744	115,490	90,549	78,106	103,723	113,536	119,861
Scrap, slag, etc.	860	1,284	1,099	5,085	4,684	3,139	5,566
Rods, sheets and strips	} 16,128	} 6,501	} 14,023	} 17,579	} 24,972	} 27,727	} 13,627
Tubes . . . . .								189	712	599	424	607
Wire (excl. insulated)	(£228,975)	(£66,342)	(£147,337)	(£819,804)	(£265,564)	(£84,869)	(£444,137)
Newfoundland (d)—							
Concentrates	24,251	17,944	17,631	16,604	14,580	(d)	(d)
Cyprus—							
Concentrates, cement copper and cupreous pyrites (Cu content)	1,400	—	70	12,481	15,486	23,558	22,933
Hong Kong (including re-exports)—							
Bars, sheets, tubes and wire (incl. alloyed)	(a)	(a)	160	77	770	3,587	5,821
India—							
Matte, etc.	8	7	2	188	23	68	74
Malaya (including re-exports)—							
Ingots, sheets, wire, etc.	(a)	(a)	86	47	38	107	112
Australia—							
Ore, etc. (Cu content) (e)	359	—	—	179	930	285	(a)
Matte	—	—	—	—	331	—	—
Blocks and ingots	—	—	6,840	407	32	6	1
Scrap	} 212	} 135	} 230	} 4	} —	} 34	} 69
Bars, sheets, wire, etc. . . . .								1,004	477	62	54	120

(a) Information not available.

(b) Copper content of lead-copper ores and concentrates, the gross weight of which is shown under "Lead."

(c) Including Newfoundland from April 1, 1949.

(d) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(e) Years ended June 30 of that stated.

(f) Cu content.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950						
FOREIGN COUNTRIES													
Austria—													
Rough copper	(a)	(a)	(a)	3	237	12	1,353						
Scrap	(a)	(a)	(a)	15	15	65	468						
Belgium-Luxemburg E.U.—													
Ore	—	—	1	(a)	65	—	—						
Rough copper	} 26,034	(a)	(a)	102,137	{ 88,181	126,808	116,966						
Scrap								6,945	5,819	8,452			
Bars, sheets, wire, etc. ..								181	(a)	(a)	18,038	14,314	19,123
Sulphate								1,852	(a)	(a)	(a)	4,731	8,336	8,126
Bulgaria—													
Ore, matte, etc.	11 517	25,286	16,890	8,863	(a)	(a)	(a)						
Rough copper and scrap	26	2	—	(a)	(a)	(a)	(a)						
Sheets and rods	—	—	—	(a)	(a)	(a)	(a)						
Czechoslovakia—													
Rough copper	(a)	(a)	—	—	(c) 1,508	(a)	(a)						
Sheets, rods, wire, etc. ..	} (a)	(a)	{ 8	70	(c) 185	(a)	(a)						
Sulphate								74	76	(c) 11	(a)		
Denmark—													
Rough copper	8	499	298	—	5	28	2,008						
Scrap and alloyed	993	221	71	36	174	1,557	(a)						
Bars, sheets, wire, etc. ..	4	3	20	28	30	51	57						
Finland—													
Ore	50,065	7,568	—	—	—	—	—						
Rough copper and scrap	2,276	1,056	4,642	4,317	5,287	3,447	4,257						
Sheets and wire	2	—	237	865	515	652	(a)						
France—													
Ore, matte, etc.	269	116	2,297	19	—	—	—						
Ingots, alloys, etc.	1,176	114	625	1,518	690	629	16,196						
Scrap	790	2	109	114	(a)	(a)	(a)						
Bars, sheets and wire	33	38	1,299	4,246	2,016	2,220	2,570						
Sulphate	—	11	101	6,768	7,886	5,966	5,751						
Germany—													
Ore, including burnt cupreous pyrites	(b) 815	} (a)	(a)	(a)	{ —	—	—						
Rough copper	(b) 1,236							9,738	22,193	36,106			
Coin and scrap	(b) 98							—	—	47			
Bars, sheets, wire, etc. ..	(b) 678							377	1,429	5,626			
Sulphate, including ferrous sulphate	(b) 2,042							—	274	1,278			
Italy—													
Ore	—	—	—	97	—	19	3						
Ingots and alloys	} 197	—	11,397	{ 430	197	499	163						
Scrap								4,827	1,050	136	19		
Bars, sheets, wire, etc., and alloys	—	—	3,425	6,656	6,826	4,082	2,001						
Netherlands—													
Ingots and bars	} (a)	(a)	{ 1,672	53	578	175	453						
Scrap								1,659	2,175	1,951	2,125	3,876	
Sheets, tubes and wire ..								110	644	575	313	283	
Sulphate								—	2	—	—	—	
Norway—													
Ore	21,134	3,660	187	227	588	6,125	6,289						
Matte	12,264	2,105	12,800	14,494	12,054	12,598	16,147						
Cupreous pyrites	260,022	66,316	156,708	227,378	274,429	234,526	199,540						
Burnt cupreous pyrites ..	1,555	650	4,055	6,077	2,810	—	(a)						
Rough and refined copper	370	344	6,514	6,191	7,939	7,050	8,910						
Scrap, including alloyed	134	381	1,853	1,946	1,370	1,568	2,116						
Portugal—													
Cupreous pyrites	(a)	92,679	238,798	299,110	406,156	339,390	(a)						
Rough copper, sheets, etc.	75	52	11	7	24	14	(a)						
Sulphate	1	—	10	21	32	83	(a)						

(a) Information not available.
(c) January to October only.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Spain—							
Ore	(a)	(a)	(a)	(a)	(a)	3,175	(a)
Ingots, bars and alloyed	45	32	14	6	9	21	(a)
Sheets, tubes, wire and							
alloyed	146	46	105	74	679	505	(a)
Sulphate	317	196	898	363	296	352	(a)
Sweden—							
Rough copper	430	11	180	2,639	3,882	4,212	5,485
Scrap, including brass ..	37	6	79	108	9	131	1,940
Sheets, tubes, wire, etc.	27	955	7,818	10,112	10,694	9,945	14,506
Sulphate	—	21	2	—	—	1	1
Switzerland—							
Ore, filings and turnings	—	—	100	235	87	266	3,048
Bars, ingots, etc.	—	—	112	2	101	114	1,276
Scrap	—	—	20	110	10	308	844
Sheets, tubes, wire, etc. (b)	16	17	1,054	3,369	3,695	2,806	4,755
Algeria—							
Bars, sheets and wire ..	—	1	1	418	409	340	(a)
Scrap	1	33	263	656	56	395	(a)
Sulphate	133	—	—	—	—	—	(a)
Angola—							
Ore	211	524	205	—	1,076	207	(a)
Ingots	(a)	(a)	(a)	(a)	(a)	1,773	(a)
Belgian Congo—							
Copper-cobalt ingots (d)	4,368	6,470	4,687	8,033	6,192	5,489	6,530
Matte	58,185	28,309	155,692	9,749	154,911	149,024	164,369
Ingots	35,889	52,845	68,026	78,700			
Cathodes	77,089	79,133					
Egypt—							
Rough copper and scrap	—	—	2,032	2,578	22	137	(a)
Morocco (French)—							
Ore	5,540	699	905	—	(a)	(a)	(a)
Old and scrap	24	27	166	207	(a)	(a)	(a)
Cuba—							
Ore	19,075	31,268	34,800	33,919	46,817	40,057	(a)
Scrap	—	35	(a)	(a)	—	129	(a)
Mexico—							
Ore, concentrates, etc. ..	35,562	29,925	29,122	37,525	32,482	26,664	17,221
Rough copper	3,109	48,293	37,828	42,395	35,042	50,945	51,499
Cu content (c)	40,607	58,964	48,767	52,415	48,957	(a)	(a)
United States—							
Ores, matte, blister, etc.							
(Cu content)	—	30	21	103	2,208	179	550
Refined ingots, etc.	61,038	43,360	46,990	132,500	127,319	123,060	129,073
Scrap	87	119	811	866	2,023	7,396	8,433
Sheets, rods, wire, etc. ..	21,972	21,846	9,493	16,654	19,329	19,328	15,771
Sulphate	25,823	31,221	36,916	30,376	37,621	28,319	26,918
Argentina—							
Ore	—	—	197	(a)	(a)	(a)	(a)
Ingots, sheets and scrap	—	—	1	(a)	(a)	(a)	(a)
Bolivia—							
Ore, etc. (Cu content) ..	6,073	6,001	6,030	6,142	6,512	4,994	4,630
Chile—							
Ores and concentrates ..	58,871	63,898	24,247	10,623	19,907	(a)	15,900
Precipitate	—	16	2	7	—	1	336
Ingots—							
Blister	213,342	192,086	135,987	152,919	103,370	171,350	138,183
Electrolytic	261,135	232,286	232,130	228,240	304,688	176,861	178,830
Bars and sheets	3,862	7,743	2,542	3,054	1,024	(a)	(a)
Sulphate	451	898	54	(a)	24	(a)	(a)

(a) Information not available.

(c) Total metal content of above items and not additional.

(b) Including alloys.

(d) Figures for the years 1944 to 1947 include, if any, exports of granulated cobalt.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Ecuador—								
Concentrates	932	108	249	1,016	1,935	2,912	(a)	
Blister	2,380	3,737	2,231	—	—	—	(a)	
Peru—								
Ore (<i>Cu content</i>) ..	5,576	4,467	3,160	7,055	4,740	7,129	5,209	
Matte, etc. (<i>do.</i>)..	30	314	189	512	258	330	191	
Bars (<i>do.</i>).. .. .	26,589	23,340	22,326	17,189	12,225	19,561	21,224	
Precipitate (<i>do.</i>)..	139	—	—	649	213	294	137	
Formosa—								
Ore (<i>Cu content</i>) ..	4,501	660	(a)	(a)	(a)	(a)	(a)	
Japan—								
Ingots and blocks ..	860	(a)	} 390 }	1,968	—	20,586	48,802	
Bars, rods and tubes ..	35	(a)		} 300 }	106	(a)	} 27,683	
Plates, sheets and wire ..	274	(a)						} 6,332
Philippine Republic—								
Ore	(b) 1,951	(b) 187	(a)	—	5,314	22,630	(a)	
Syria and Lebanon—								
Ingots and scrap ..	—	277	811	(a)	(a)	(a)	(a)	
Turkey—								
Ingots	6,168	332	23,196	5,346	1,224	7,116	6,216	
Yugoslavia—								
Concentrates	} (a)	(a)	(a)	(a)	(a)	(a)	} 640	
Blister								} 15,734
Electrolyte .. ..									} 491

(a) Information not available.

(b) Imports into Japan from Philippine Republic (*Cu content*).

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bars, ingots, etc.—							
Electrolytic	242,736	75,049	166,724	203,206	204,484	175,565	209,858
Other refined	208,813	68,666	14,749	24,445	21,994	14,688	1,516
Blister							
Scrap	32	13	471	1,539	522	2,004	301
Plates, sheets, etc. ..	29	4	2	97	33	39	22
Rods	3,057	—	6,602	13,557	12,653	12,335	1,106
Tubes	—	—	—	35	2	11	46
Wire	359	73	47	1,653	207	22	160
Anglo-Egyptian Sudan—							
Refined and alloys ..	—	83	3	52	33	5	(a)
Sulphate	—	1	20	142	110	96	(a)
Kenya (b)—							
Crude, refined, alloys and scrap	(a)	(a)	(a)	(a)	(a)	25	346
Bars, sheets, tubes and wire	9	4	34	56	337	202	289
Sulphate	(a)	(a)	(a)	(a)	4	—	22
Southern Rhodesia—							
Ingots, bars and rods ..	126	282	83	131	265	329	355
South West Africa—							
Bars, sheets, pipes, wire, etc.	—	1	2	31	90	231	(a)
Tanganyika—							
Ore	—	—	22	1	(a)	(a)	(a)
Crude, refined, alloys and scrap	(a)	(a)	(a)	(a)	8	24	66
Sheets and wire	31	36	23	82	120	321	76
Sulphate	(a)	(a)	(a)	(a)	1	41	48
Uganda—							
Sheets and wire	(c)	(c)	(c)	(c)	(c)	74	19
Union of South Africa—							
Bars, ingots and slabs ..	20,420	12,691	8,365	10,115	14,126	13,637	(a)
Plates, sheets and tubes	944	568	1,239	1,531	3,286	2,040	(a)
Wire	118	324	710	273	78	82	(a)
Canada—							
Blocks, pigs and ingots ..	2	—	—	1	1	8	109
Bars, sheets, wire, etc. ..	626	1,685	2,492	3,300	2,666	1,794	1,917
Scrap	12	44	37	40	38	340	413
Sulphate	3,687	2,910	604	571	203	461	632
British West Indies							
(Barbados)—							
Bars and sheets	(£1,022)	(£314)	(£1,742)	(£1,064)	(£2,509)	(£1,825)	(£1,934)
Cyprus—							
Bars, sheets, wire, etc. ..	6	23	52	127	247	81	199
Hong Kong (total imports)—							
Bars, sheets, tubes and wire incl. alloys	(a)	(a)	136	485	1,905	5,600	7,470
Sulphate	(a)	a)	79	85	2	11	120
India—							
Ingots, cakes, blocks, etc.	—	4,678	6,668	12,119	26,264	20,449	29,218
Scrap	17	100	2,449	2,890	6,883	4,780	6,564
Sheets, tubes, wire, etc.	13,351	8,144	8,702	7,517	2,789	1,216	2,125
Sulphate	3,228	99	1,076	1,548	834	721	1,418
Copper (government stores)	778	2,567	1,488	195	550	(a)	(a)

(a) Information not available.

(b) Including Uganda up to 1948 inclusive.

(c) Included with Kenya.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Malaya (total imports)— Ingots, sheets, wire, etc.	(a)	(a)	684	770	1,393	1,032	972
Australia—							
Ore and concentrates ..	—	—	—	531	—	22	626
Matte	—	—	—	—	11	—	—
Blocks and ingots ..	1	8	156	1,311	9,264	23,033	13,198
Bars, sheets, tubes, etc...	1,116	1,558	3,133	680	623	6,288	11,861
Sulphate	(c) 21	(c) 20	(c) 20	(c) 2,055	(c) 518	1,283	(a)
New Zealand—							
Bars, sheets, pipes, etc. . .	1,250	1,401	1,313	1,704	2,502	2,045	3,370
Wire (& N.Z.)	(£328,875)	(£38,949)	(£150,950)	(£252,111)	(a)	1,439	1,539
Sulphate	351	210	2	—	1	398	404
Irish Republic—							
Bars, sheets, wire, etc. . .	194	1,034	2,220	2,157	2,858	2,285	2,025
Sulphate	2,057	3,197	3,444	2,719	4,338	2,730	2,369
FOREIGN COUNTRIES							
Austria—							
Rough copper	(a)	(a)	(a)	226	1,426	3,808	4,396
Scrap	(a)	(a)	(a)	321	238	511	1,258
Bars, sheets, wire, etc. . .	(a)	(a)	(a)	26	411	3,227	2,179
Sulphate	(a)	(a)	(a)	866	1,001	—	—
Belgium-Luxemburg E.U.—							
Ore	815	332	3,212	(a)	13,388	5,222	5,540
Matte	—	—	—	—	—	—	—
Rough copper	205	62,878	180,075	220,354	143,956	148,871	152,720
Scrap	333	—	—	—	10,922	9,948	18,652
Bars, sheets, wire, etc. . .	4	—	—	—	790	734	2,117
Sulphate	—	(a)	(a)	(a)	27	47	30
Bulgaria—							
Ore and matte	20	—	—	—	—	—	—
Rough copper and scrap	17	284	677	(a)	(a)	(a)	(a)
Bars, sheet and wire ..	3	388	1,668	—	—	—	—
Sulphate	2,302	1,047	7,243	—	—	—	—
Czechoslovakia—							
Crude, refined and scrap	(a)	(a)	2,976	22,518	(b) 36,610	(a)	(a)
Sheets, rods, wire, etc. . .	(a)	(a)	879	2,994	(b) 327	(a)	(a)
Denmark—							
Rough copper	1,088	674	2,574	2,491	3,271	2,318	(a)
Scrap, including alloyed	193	338	672	1,338	1,649	473	735
Bars, sheets, wire, etc. . .	1,153	1,555	7,226	7,227	8,344	9,981	10,715
Sulphate	1,116	871	2,674	1,142	2,579	1,250	(a)
Finland (total imports)—							
Rough	10	—	1,130	2,789	1,072	112	(a)
Scrap	—	3	—	—	32	4	(a)
Bars, sheets, tubes and wire	292	678	276	376	2,992	1,427	(a)
Sulphate	—	—	—	1	1	1	(a)
France—							
Ore, matte, etc.	—	—	—	788	(a)	(a)	(a)
Ingots—							
Unrefined	4	7,814	19,854	12,068	—	—	—
Refined	—	26,752	90,947	104,511	81,058	122,110	105,143
Alloyed	49	5,408	17,155	10,271	20,617	20,212	3,232
Scrap	49	88	4,801	31,716	(a)	(a)	(a)
Bars, sheets and wire ..	59	60	5,701	4,351	338	594	322
Sulphate	1,518	12,322	26,514	2,384	14,067	7,406	2,614

- (a) Information not available.
 (b) January to October only.
 (c) Years ended June 30 of that stated.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950						
FOREIGN COUNTRIES (Cont.)													
Germany—													
Ore and burnt cupreous pyrites.. ..	(c) 90,417	}	(a)	(a)	{	590,485	745,340	900,619					
Rough copper	(c) 6,154								14,970	42,036	59,128		
Coin and scrap	(c) 1,134								183	3,733	11,668		
Bars, sheets, wire, etc. ..	(c) 302								146	233	33		
Sulphate, including ferrous sulphate	(c) 298								—	—	75		
Greece—													
Rough copper and alloys	(a)	22	367	216	2,072	185	(a)						
Sheets, tubes, alloys, etc.	(a)	2	85	479	359	393	(a)						
Sulphate	(a)	4,847	825	176	24	492	(a)						
Iceland—													
Bars, tubes, wire, etc. ..	163	186	678	(a)	(a)	(a)	(a)						
Italy—													
Ore	(a)	(a)	(a)	(a)	—	13,179	4,483						
Ingots and alloys	}	1,053	25,363	{	56,478	56,299	44,204	60,459					
Scrap									963	2,835	5,051	11,408	
Bars, sheets, wire, etc., and alloys	—	—	213	4,773	11,237	7,134	4,899						
Sulphate	(a)	(a)	(a)	6,124	693	12,494	10,993						
Netherlands—													
Ingots and bars	}	(a)	{	9,600	9,485	15,823	21,574	19,440					
Scrap									8	—	3	51	21
Sheets, tubes and wire ..									11,523	15,598	9,895	6,011	9,108
Sulphate									1,049	944	1,352	975	1,242
Norway—													
Rough copper	82	700	1,122	1,484	2,172	3,196	2,390						
Copper-nickel matte	3,002	1,882	11,138	14,464	16,771	19,006	(a)						
Bars, sheets, rods, etc. ..	—	40	314	1,009	1,216	1,088	(a)						
Tubes (including brass) and wire	12	2,209	5,832	8,144	7,644	7,616	8,427						
Sulphate	59	312	19	50	258	320	(a)						
Portugal—													
Ore and concentrates	590	524	205	—	1,076	—	(a)						
Ingots, wire, alloys, etc. ..	580	650	9,119	7,916	7,352	4,529	(a)						
Sulphate	8,458	5,267	239	1,200	414	658	(a)						
Spain—													
Ore	84	84	—	3,972	—	9	(a)						
Precipitate and scrap (b)	84	153	225	2,092	4,606	2,968	(a)						
Ingots (b)	108	3,899	7,029	3,119	5,359	5,538	(a)						
Sheets, tubes and wire (b)	11	34	170	459	1,040	127	(a)						
Sulphate	2,691	5,629	2,981	11,242	1,365	6,978	(a)						
Sweden—													
Ore	26,800	9,242	273	—	—	4,993	(a)						
Rough copper	487	14,649	50,673	53,629	34,124	38,156	37,192						
Scrap, including brass	83	314	2,277	4,047	6,319	2,657	4,181						
Sheets, rods, wire, etc. ..	9	2,016	1,292	3,222	1,331	669	(a)						
Sulphate	49	10	202	142	126	135	(a)						
Switzerland—													
Ore, filings and turnings	34	363	1,253	977	1,426	318	342						
Bars, ingots, etc. (b)	825	8,530	25,990	22,392	32,928	16,411	17,474						
Scrap (b)	127	419	13,047	2,204	2,323	173	54						
Sheets, tubes, wire, etc. (b)	85	1,086	7,615	5,994	9,210	3,287	5,698						
Algeria—													
Ore	117	980	503	605	989	181	—						
Rough	3,002	1,958	1,773	297	2,783	5,207	(a)						
Scrap	3	44	109	10	37	—	(a)						
Bars, sheets, wire, etc. ..	246	63	434	1,050	948	410	(a)						
Sulphate	1,280	1,090	3,453	7,739	7,289	973	(a)						

(a) Information not available.

(b) Including alloys.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Angola—							
Bars, sheets, wire, etc. . .	28	17	66	50	(a)	(a)	(a)
Cameroon (French)—							
Sulphate	110	100	(a)	(a)	(a)	(a)	(a)
Egypt—							
Crude and scrap	300	268	(c) 512	(c) 3,866	558	2,033	(a)
Bars, sheets, tubes, etc.	214	320	1,055	54	961	1,136	(a)
Sulphate	142	213	135	1,121	1,207	880	(a)
Madagascar—							
Crude, sheets, wire, etc.	(a)	104	40	65	312	(a)	(a)
Morocco (French)—							
Ingots, sheets and wire (b)	453	581	299	498	(a)	(a)	(a)
Mozambique—							
Bars, sheets, wire and alloys	11	84	286	104	179	239	152
Tunis—							
Bars, sheets and wire (b)	278	300	450	672	425	(a)	(a)
Sulphate	122	156	60	—	—	(a)	(a)
Costa Rica—							
Bars, sheets and wire	25	57	68	73	28	40	(a)
Sulphate	(a)	3,036	5,193	5,112	8,274	6,828	(a)
Cuba (total imports)—							
Ingots and bars	166	281	(a)	(a)	268	247	(a)
Sheets, tubes and wire	496	561	(a)	(a)	2,585	1,421	(a)
Guatemala—							
Sheets and wire	(a)	(a)	(a)	(a)	315	238	408
Sulphate and carbonate	(a)	(a)	(a)	(a)	8,883	4,554	(c)
Honduras—							
Sulphate	(a)	7,276	8,201	(a)	(a)	(a)	(a)
Mexico—							
Ingots	3,531	4,941	6,295	1,483	488	(a)	(a)
Bars, sheets, alloys, etc.	1,466	1,675	1,812	(a)	(a)	(a)	(a)
Sulphate	3,580	2,491	2,679	(a)	(a)	(a)	(a)
United States—							
Cu content of—							
Ore and concentrates	53,459	51,729	28,265	72,301	55,353	113,862	84,791
Matte, precipitate, etc.	34,760	45,068	5,247	2,189	1,522	1,791	1,141
Blister	153,519	230,474	146,251	190,242	143,079	137,093	128,393
Refined ingots, bars and plates	439,322	471,735	136,275	134,253	223,337	246,671	288,373
Scrap	947	1,208	934	5,321	8,334	6,040	34,443
Sulphate	—	2	—	—	30	—	210
Argentina—							
Ingots, sheets including bronze	1,083	8,243	6,503	(a)	(a)	(a)	(a)
Tubes, including bronze	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sulphate	1,225	4,689	2,904	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Electrolytic	(a)	(a)	13,822	5,663	7,396	(a)	(a)
Rough	9,883	7,599	6,254	10,428	3,341	(a)	(a)
Plates and sheets	1,449	938	1,447	1,188	716	(a)	(a)
Tubes, pipes and wire	828	971	1,134	1,451	849	(a)	(a)
Sulphate	967	916	2,143	582	1,815	(a)	(a)
Chile—							
Bars, sheets and wire	18	—	—	1	2	(a)	(a)
Colombia—							
Ingots, sheets, etc.	102	826	516	(a)	(a)	(a)	(a)
Wire	691	2,027	689	(a)	(a)	(a)	(a)
Sulphate	930	363	405	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Including alloys.

(c) Excess of re-exports.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru—							
Bars, sheets, etc. ..	(c) 52	93	64	(a)	(a)	(a)	78
Sulphate	340	550	866	(a)	484	(a)	583
Uruguay—							
Ingots	} 382	(a)	(a)	(a)	(a)	(a)	(a)
Bars and sheets ..							
Wire	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Sheets	(a)	243	162	207	(a)	(a)	(a)
Sulphate	(a)	25	37	70	(a)	(a)	(a)
China—							
Ingots and blocks ..	(a)	(a)	3,291	2,097	1,977	(a)	(a)
Bars, sheets, wire, rods and tubes ..	(a)	(a)	1,995	1,998	4,111	(a)	(a)
Iran (total imports) (b)—							
Ingots, bars, sheets and alloys	(a)	(a)	476	626	(a)	(a)	(a)
Iraq—							
Crude, sheets, pipes, etc.	46	57	(a)	(a)	(a)	(a)	(a)
Japan—							
Ore (Cu content) ..	6,498	853	(a)	(a)	(a)	(a)	(a)
Refined copper	4,020	(a)	(a)	190	—	(a)	(a)
Syria and Lebanon—							
Bars, sheets, tubes and wire	132	619	1,160	(a)	(a)	(a)	(a)
Turkey—							
Ingots, bars, and sheets	41	249	992	931	457	595	797
Sulphate	589	1,426	1,056	1,646	436	886	705

(a) Information not available.

(b) Year ended March 20 of year following that stated.

(c) Including brass and bronze.

DIAMONDS
PRODUCTION OF DIAMONDS*
(Metric carats)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Gold Coast (exports)—							
Gem diamonds	343,899	264,930	253,443	262,397	320,356	} 963,435	932,452
Bort	416,468	275,049	241,104	202,003	297,516		
Diamond sand	405,490	272,471	314,453	282,634	260,220		
Sierra Leone	608,734	503,999	559,232	605,554	465,698	494,119	655,485
Southern Rhodesia	—	—	—	—	—	6	—
South West Africa	154,379	152,629	165,150	179,554	200,691	280,501	504,604
Tanganyika	87,335	119,139	120,045	87,943	149,926	194,874	164,996
Union of South Africa	933,682	1,222,945	1,349,099	1,242,423	1,382,327	1,264,795	1,731,510
British Guiana	16,339	15,852	31,732	24,669	36,563	34,790	37,462
India	1,837	1,380	1,107	1,284	2,426	1,632	(a)
Australia	198	73	50	73	—	5	10
TOTAL	2,968,000	2,828,000	3,034,000	2,888,500	3,115,700	3,231,050	4,028,000
FOREIGN COUNTRIES							
Angola	799,120	803,887	806,962	799,210	795,509	769,981	538,867
Belgian Congo—							
Gem diamonds	388,814	458,696	367,099	540,690	550,814	550,423	543,342
Industrial do.	7,144,552	9,927,259	5,666,353	4,933,827	5,273,753	9,099,545	9,604,128
French Equatorial Africa	57,052	82,849	87,230	107,076	118,800	122,928	111,407
French West Africa	69,726	79,802	51,834	53,749	77,970	94,996	124,568
Brazil (c)	370,000	275,000	325,000	275,000	250,000	250,000	250,000
Venezuela	22,037	12,762	20,912	61,634	75,512	56,662	58,562
TOTAL	8,850,000	11,640,000	7,325,000	6,771,000	7,142,000	10,945,000	11,231,000
WORLD'S TOTAL	11,818,000	14,468,000	10,359,000	9,660,000	10,258,000	14,176,000	15,259,000

* For Values see next page.

(a) Information not available.

(b) Exports.

(c) Estimated.

PRODUCTION OF DIAMONDS*

(£ sterling)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Gold Coast (exports)—							
Gem diamonds	357,669	274,706	338,225	402,492	616,513	} 1,388,246	1,837,450
Bort	95,483	61,888	71,393	74,873	107,287		
Diamond sand	205,876	142,812	212,907	269,197	252,260		
Sierra Leone	723,176	598,750	806,412	1,211,108	1,106,032	1,173,532	1,884,519
Southern Rhodesia	—	—	—	—	—	26	—
South West Africa	952,883	1,277,980	1,694,500	1,920,869	2,369,104	3,512,700	6,631,551
Tanganyika	(b) 296,939	(b) 657,746	(b) 986,870	(b) 602,410	(b) 1,083,215	(b) 1,679,976	1,787,142
Union of South Africa	5,846,179	6,425,096	9,041,762	7,166,528	8,719,356	7,646,727	10,854,496
British Guiana	80,929	95,276	288,718	155,659	295,679	243,350	(b) 287,259
India	16,359	13,491	13,314	12,952	31,311	20,630	(a)
Australia	383	134	115	215	—	12	(a)
TOTAL	8,576,000	9,432,000	13,040,000	11,816,300	14,480,800	15,638,000	23,300,000
FOREIGN COUNTRIES							
Angola	(b) 1,000,000	(b) 1,000,000	1,622,000	1,891,000	1,864,000	2,524,000	2,138,000
Belgian Congo—							
Gem diamonds	} 61,023,000	(b) 1,488,000	(b) 2,051,000	(b) 1,369,000	617,455	631,454	(b) 766,000
Industrial do.					836,013	2,022,243	b 2,920,000
French Equatorial Africa	153,000	580,000	414,000	484,000	388,000	558,000	727,000
French West Africa	(a)	559,000	73,000	64,000	72,000	207,000	408,000
Brazil (estimated)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	100,546	54,993	71,648	189,836	119,000	(a)	(a)
TOTAL	3,400,000	4,600,000	5,300,000	5,000,000	4,900,000	7,140,000	8,160,000
WORLD'S TOTAL	11,976,000	14,032,000	18,340,000	16,820,000	19,380,000	22,780,000	31,460,000

* For Quantities in Metric Carats see previous page.

(a) Information not available.

(b) Estimated on export value.

(c) Exports.

EXPORTS OF DIAMONDS
(Domestic Produce)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950					
BRITISH COUNTRIES												
Gold Coast—												
Gem diamonds .. Ct.	343,899	264,930	253,443	262,397	320,356	} 963,435	932,451					
£	357,669	274,706	338,225	402,492	616,513							
Bort Ct.	416,468	275,049	241,104	202,003	297,516							
£	95,483	61,888	71,393	74,873	107,287	} 1,388,246	1,837,452					
Diamond sand .. Ct.	405,490	272,471	314,453	282,634	260,220							
£	205,876	142,812	212,907	269,197	252,260	} 537,397	638,312					
Sierra Leone .. Ct.	610,212	493,411	304,896	574,336	461,685							
£	(a)	(a)	(a)	(a)	(a)	(a)	(a)					
South West Africa (uncut) Ct.	148,499	249,474	153,452	174,156	208,907	247,349	404,317					
£ (S.A.)	918,909	1,195,773	1,362,794	2,065,177	2,586,560	3,089,814	6,923,387					
Tanganyika—												
Gem diamonds .. Ct.	} 90,067	} 45,833	} 62,782	} 45,833	} 61,213	} 83,757	} 70,597					
£								515,798	787,621	487,065	790,939	1,289,856
Industrial diamonds Ct.	} 306,306	} 67,818	} 56,664	} 46,397	} 86,691	} 107,947	} 746,370					
£								122,585	194,212	144,585	278,830	362,551
Union of South Africa—												
Uncut Ct.	639,153	1,227,066	835,460	1,175,453	896,901	1,079,565	2,919,842					
£ (S.A.)	3,595,762	5,950,724	6,107,776	7,278,894	6,211,448	5,891,819	12,016,376					
Cut and polished Ct.	55,431	77,823	80,539	(a)	(a)	79,605	113,483					
£ (S.A.)	3,230,423	4,789,002	5,959,192	(a)	(a)	4,859,699	8,113,070					
Canada—												
Industrial diamonds and dust Ct.	(a)	(a)	(a)	10,000	—	—	—					
£	(a)	(a)	(a)	2,743	—	—	—					
British Guiana .. Ct.	14,262	17,683	29,360	26,553	34,808	35,234	37,033					
£	67,837	106,462	265,128	167,536	274,617	246,463	282,566					
Palestine—												
Polished Ct.	76,996	137,832	116,588	(a)	(a)	} (b)	(b)					
£ P.	3,235,117	5,909,297	5,502,878	(a)	(a)							
Powder Ct.	(a)	(a)	1,100	(a)	(a)	} (b)	(b)					
£ P.	(a)	(a)	165	(a)	(a)							
Australia (d)—												
Gem diamonds Ct.	(a)	(a)	(a)	(a)	(a)	617	—					
£ (A.)	(a)	(c)	(a)	(a)	(a)	1,288	—					
FOREIGN COUNTRIES												
Belgium-Luxemburg E.U.—												
Cut and polished Ct.	—	128,493	294,745	330,210	264,426	244,166	436,414					
£	—	4,993,862	12,826,484	11,575,092	9,381,362	7,475,482	15,860,101					
Industrial diamonds Ct.	—	(a)	244,817	576,302	855,631	1,200,354	173,662					
£	—	(a)	553,557	988,558	1,355,520	2,403,948	243,017					
Czechoslovakia—												
Glaziers' diamonds £	(a)	(a)	460	649	(c) 10	(a)	(a)					
France—												
Cut and polished £	(a)	(a)	(a)	(a)	—	—	325,781					
Netherlands—												
Unpolished £	} (a)	} —	} 220,000	} (a)	} (a)	} (a)	} (a)					
Polished £								2,300,000	(a)	(a)	(a)	(a)
Industrial diamonds £								98,000	(a)	(a)	(a)	(a)
Angola Ct.	807,923	801,714	808,443	802,099	672,985	889,377	555,330					
£	1,011,000	1,002,960	1,744,425	2,015,150	2,003,038	3,220,185	2,285,339					
Belgian Congo—												
Gem diamonds .. Ct.	220,000	227,000	1,306,516	1,150,750	} 10,841,000	} 9,822,978	} 536,307					
£	93,734	97,875	1,422,589	1,159,269								
Industrial diamonds Ct.	14,134,719	7,340,000	4,751,267	6,786,000	} 3,450,000	} 3,818,000	} 9,163,290					
£	1,656,181	950,618	654,142	829,586								
French Equatorial Africa Ct.	10,000	60,000	142,000	140,476	124,801	132,897	135,600					
£	10,000	35,000	550,000	511,418	(a)	608,000	456,000					

- (a) Information not available.
(b) See "Israel" under Foreign Countries.
(c) January to October only.

EXPORTS OF DIAMONDS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
French West Africa	Ct. 96,000 £ (a)	73,000 60,000	95,000 167,000	29,908 29,584	34,870 37,056	51,103 62,170	51,486 76,122
Cuba—							
Cut	£ 1,498,000	(a)	(a)	(a)	(a)	(a)	(a)
United States—							
Uncut	Ct. (a) £ (a)	(a) (a)	(a) (a)	(a) (a)	(a) (a)	4,602 37,851	4,234 32,054
Cut	Ct. (a) £ (a)	(a) (a)	(a) (a)	(a) (a)	(a) (a)	5,238 243,852	6,388 696,679
Industrial diamonds	Ct. 74,180 £ 60,000	119,895 10,771	95,003 117,617	92,626 127,115	47,747 77,510	25,760 51,070	(a) (a)
Dust	Ct. 119,458 £ 33,069	92,019 23,762	116,650 36,350	122,925 80,539	52,600 19,938	55,637 37,204	58,563 45,032
Brazil (b)—							
Uncut	Ct. } £ 192,185	{ 49,010 271,339	113,815 986,274	133,075 510,736	59,275 208,969	37,225 (a)	(a) (a)
Cut	Ct. } £ 1,898,000	{ 42,900 1,229,919	12,645 597,608	10,325 184,226	1,155 40,432	420 (a)	(a) (a)
Carbons	Ct. } £ 10,795 44,903	{ 3,910 15,770	14,070 57,690	10,620 24,741	35,070 108,241	14,300 (a)	(a) (a)
Venezuela	Ct. } £ 21,149 170,000	{ 1,208 79,000	11,148 150,000	55,449 310,000	(a) (a)	(a) (a)	(a) (a)
Israel—							
Polished	Ct. } £l (c)	(c)	(c)	(c)	(c)	75,668 1,830,770	(a) (a)
Powder	Ct. } £l (c)	(c)	(c)	(c)	(c)	32,481 33,768	(a) (a)

(a) Information not available.

(b) The actual exports are much in excess of those officially recorded.

(c) See "Palestine" under British Countries.

IMPORTS OF DIAMONDS

(Less Re-exports)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950		
BRITISH COUNTRIES									
United Kingdom (b)	Ct. 17,712,586 £ 8,821,843	11,231,178 10,892,848	9,307,118 12,988,187	11,160,312 15,114,602	13,833,486 15,685,761	13,542,619 17,785,060	14,780,625 28,293,792		
Kenya and Uganda	Ct. (a) £ (a)	(a) (a)	(a) (a)	(a) (a)	60 547	73 3,547	77 1,899		
Northern Rhodesia—									
Uncut	Ct. 3,840 £ 2,565	19,371 14,226	27,068 20,480	10,732 9,890	301 242	1,800 1,689	500 550		
South West Africa—									
Cut and polished	Ct. (a) £ (S.A.) (a)	(a) (a)	(a) (a)	59,959 3,657,407	77,399 5,205,515	79,305 4,859,699	(a) (a)		
Union of South Africa—									
Rough diamonds	Ct. (d)111,827 £ (S.A.) (d)236,789	279,810 23,384	3,202,127 987,383	(a) (a)	(a) (a)	(g) 15,169,063 (g) 4,967,539	(g) 16,569,707 (g) 7,366,649		
Cut and polished	Ct. 56 £ (S.A.) 100	— —	519 19,985	43,763 17,629	8,246 36,523	96 2,931	(a) (a)		
Canada—									
Unset	Ct. (a) £ 465,865	(a) 741,442	(a) 1,439,589	14,954 699,739	37,392 1,109,013	44,443 1,660,010	44,297 2,280,063		
Dust, bort, etc. ..	Ct. (a) £ 386,835	(a) 446,135	(a) 943,976	100,732 265,820	233,188 541,985	261,769 437,051	531,561 944,738		
Bermuda	£ 2,437	2,279	2,417	—	—	—	(a)		
Ceylon	Ct. — £ —	— —	— —	— —	334 15,953	342 19,676	1,140 67,056		
India	£ 1,341,290	1,508,648	1,691,369	2,409,045	562,345	325,630	893		
Malaya (total imports)	£ (a)	(a)	—	20,484	10,496	37,108	36,916		
Palestine—									
Rough diamonds	Ct. 416,039 £ P. 1,522,361	625,123 2,810,696	499,765 3,269,258	(a) (a)	(a) (a)	} (c)	} (c)		
Polished do. ..	Ct. 1,852 £ P. 142,923	3,958 310,670	532 50,130	(a) (a)	(a) (a)				
Powder	Ct. 25,000 £ P. 32,486	146,204 26,636	103,276 28,141	(a) (a)	(a) (a)				
Australia (e)—									
Industrial diamonds	Ct. (a) £A 32,936	(a) 27,111	(a) 96,025	101,577 108,034	247,344 226,348			357,874 334,253	208,518 459,591
Other diamonds	Ct. (a) £A 150,605	(a) 450	(a) 296,833	11,277 460,516	78,184 613,818	(f) 24,722 (f) 745,647	96,116 1,124,158		
FOREIGN COUNTRIES									
Belgium-Luxemburg E.U.—									
Cut diamonds ..	Ct. — £ —	— —	— —	12,614 463,099	2,374 57,255	(a) (a)	31,441 1,408,852		
Rough diamonds	Ct. (a)	875,926	2,051,738	1,579,037	1,332,612	1,472,603	2,782,712		
Industrial diamonds	£ 3,745,503	11,474,371	7,157,717	7,943,656	6,213,765	16,752,013	16,752,013		
Powder	Ct. 283,097 £ 43,901	518,390	104,596	223,707	390,682	243,439	514,669		
Czechoslovakia—									
Glaziers' diamonds	£ (a)	(a)	89	1,488	—	(a)	(a)		

(a) Information not available.

(b) Declared imports represent a very small proportion of actual imports. These figures, therefore, represent exports of Rough Diamonds from the Union of South Africa, South-West Africa, Gold Coast, Sierra Leone, Tanganyika, Angola and Belgian Congo to the United Kingdom as recorded by those countries. In addition, provisional figures of Re-exports from the Union of South Africa to the United Kingdom of 260,490 carats—£160,770 for 1944, 28,384 carats—£26,208 for 1945, 3,064,873 carats—£497,575 for 1946, 3,418,961 carats—£558,477 for 1947, 6,937,760 carats—£1,332,816 for 1948, 6,141,802 carats—£2,181,287 for 1949 and 9,439,654 carats—£7,939,521 for 1950, are recorded.

(c) See "Israel" under Foreign Countries.

(d) Total imports. Re-exports amounted to 269,375 carats, valued £ S.A. 178,090.

(e) Years ended June 30 of that stated.

(f) Total imports. Re-exports amounted to 64,681 carats valued £ A. 53,078.

(g) Total imports. Re-exports, which are very large, are not available.

IMPORTS OF DIAMONDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
France—							
Cut and polished	£ (a)	(a)	(a)	(a)	(a)	(a)	1,073,635
Industrial diamonds	£ (a)	(a)	(a)	(a)	1,673	158	858,773
Netherlands—							
Unpolished ..	£ (a)	(a)	2,000,000	(a)	2,070,000	(a)	(a)
Polished	£ (a)	(a)	50,000	(a)	240,500	(a)	(a)
Industrial diamonds	£ (a)	(a)	130,000	(a)	546,000	(a)	(a)
Switzerland—							
Industrial diamonds	£ 6,000	44,000	(a)	(a)	(a)	(a)	(a)
Egypt—							
Cut Ct.	—	30	74	(a)	(a)	(a)	(a)
£	—	1,338	849	(a)	(a)	(a)	(a)
Mexico—							
Uncut Ct.	935	4,215	22,820	(a)	(a)	(a)	(a)
£	1,805	13,385	7,805	(a)	(a)	(a)	(a)
Cut Ct.	15,580	13,830	19,830	(a)	(a)	(a)	(a)
£	435,712	490,593	511,501	(a)	(a)	(a)	(a)
Industrial diamonds	Ct. 194,560	499,140	323,590	723,135	136,615	(a)	(a)
£	6,626	8,369	8,144	20,325	(a)	(a)	(a)
United States—							
Uncut Ct.	896,547	895,219	1,033,906	1,075,478	912,762	670,140	819,083
£	10,806,000	10,702,676	12,051,108	10,682,682	11,032,349	8,540,372	15,991,346
Cut and polished	Ct. 169,097	377,493	594,481	347,810	389,314	335,487	492,671
£	7,196,907	15,835,132	29,272,508	13,268,372	13,956,559	12,234,843	20,901,751
Industrial diamonds	Ct. 12,614,507	10,733,411	4,652,639	3,920,014	10,418,316	6,331,923	10,838,290
£	5,680,954	3,182,125	3,574,724	3,186,319	8,069,851	5,031,520	12,584,879
Dust Ct.	42,316	62,317	77,732	116,391	226,430	101,300	128,715
£	14,593	11,715	32,077	57,106	153,416	67,346	74,231
Chile—							
Industrial diamonds	Ct. 4,726	13,595	3,100	(a)	(a)	(a)	(a)
£	3,876	11,901	3,833	(a)	(a)	(a)	(a)
Peru—							
Glaziers' diamonds	£ 146	61	—	(a)	(a)	(a)	(a)
Venezuela—							
Carbons	£ 57	597	14,400	51,837	(a)	(a)	(a)
Israel—							
Rough diamonds	Ct. }					185,266	366,661
£						1,539,845	3,211,809
Bort Ct.	(b)	(b)	(b)	(b)	(b)	52,428	81,057
£						31,987	54,454
Powder Ct.						3,540	6,552
£						3,127	4,860
Philippine Republic—							
Diamonds	Ct. (a)	—	4,322	(a)	(a)	(a)	(a)
£	(a)	469	33,819	(a)	(a)	(a)	(a)
Dust and bort ..	Ct. (a)	—	100	(a)	(a)	(a)	(a)
£	(a)	—	371	(a)	(a)	(a)	(a)

(a) Information not available.

(b) See "Palestine" under British Countries.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	3,000	3,000	2,000	2,328	7,000	12,000	(a)
Northern Ireland	25,408	9,958	7,049	8,638	6,858	7,789	6,443
Kenya	(a)	444	508	724	1,019	2,189	2,572
Union of South Africa	321	68	147	713	1,289	1,137	429
Canada (Shipments)	12	41	80	92	41	54	40
Australia	3,605	3,088	4,957	5,543	4,438	4,063	6,221
New Zealand	55	255	348	436	103	94	119
FOREIGN COUNTRIES							
Austria	7,577	841	848	1,941	4,719	3,480	3,426
Denmark—							
Diatomaceous earth	1,402	1,132	1,895	4,510	5,717	3,974	(a)
Moler (b)	40,000	(a)	40,000	60,000	70,000	70,000	70,000
Finland	357	686	815	830	1,067	1,434	1,009
France	4,343	10,381	20,122	29,042	47,583	37,038	(a)
Germany	(a)	(a)	(a)	(a)	(a)	(c) 28,872	(c) 33,175
Italy	—	—	3,110	2,357	(a)	(a)	(a)
Spain	3,672	543	768	(a)	(a)	(a)	(a)
Sweden	1,484	1,601	1,626	1,673	1,737	1,846	(a)
Algeria	226	4,832	5,866	6,437	8,276	13,366	13,493
Egypt	821	960	1,366	1,319	1,343	1,159	1,045
United States	(d) 156,212	(e) 190,704	(e) 190,704	(e) 190,704	(f) 215,080	(f) 215,080	(f) 215,080
Argentina	300	—	(a)	(a)	(a)	(a)	(a)
Chile	772	219	(a)	(a)	1,044	3,261	152
Korea	11,300	(a)	(a)	(a)	(a)	(a)	(a)

Diatomaceous earth is also produced in Hungary, Norway, Portugal, Roumania, U.S.S.R., Brazil and Japan.

(a) Information not available.

(b) Estimated.

(c) Bizonal area only.

(d) Average annual production 1942-1944.

(e) Average annual production 1945-1947.

(f) Average annual production 1948-1950.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Canada (including other natural abrasives)	5	11	3	53	15	7	(a)
Australia	(a)	(a)	65	168	144	85	136
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	(a)	(a)	(a)	(a)	6,733	391	1,042
Denmark—							
Moler	30,950	2,784	35,884	47,371	55,712	50,742	57,120
Moler bricks	3,408	1,130	3,496	4,388	6,497	6,435	6,618
Finland	—	15	88	59	107	—	(a)
France	28	218	1,310	1,596	877	875	897
Germany	(b) 1,330	(a)	(a)	(a)	268	626	1,815
Italy	(a)	(a)	(a)	15	5	84	155
Norway	—	3	125	214	280	106	(a)
Portugal	5	21	1	13	26	42	(a)
Sweden	2	23	23	—	41	8	118
Algeria	191	2,754	5,687	3,524	6,713	11,190	(a)
Brazil	—	297	—	—	—	(a)	(a)
Chile	158	168	80	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only. Figure for 1948 onwards refer to Western Germany.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	8,933	5,568	32,361	48,962	52,144	46,087	52,183
Union of South Africa ..	33	146	205	250	361	453	(a)
Canada	10,414	11,801	15,235	13,459	15,358	15,102	16,292
Australia	(a)	(a)	585	1,495	572	1,275	1,651
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	(a)	(a)	(a)	(a)	2,277	3,628	5,505
Denmark	65	—	24	25	89	134	314
Finland (total imports) ..	59	91	3	71	103	54	(a)
France	74	1,096	4,689	2,974	3,211	4,849	5,059
Germany	(b) 19,130	(a)	(a)	(a)	1,886	10,189	14,828
Italy	(a)	(a)	(a)	22	161	129	599
Netherlands	(a)	(a)	(a)	(a)	2,805	2,363	2,917
Norway	819	71	455	1,142	1,540	2,761	(a)
Portugal	5	21	82	119	73	138	(a)
Sweden	252	374	753	862	710	468	(a)
Algeria	—	50	30	12	46	5	(a)
Egypt	—	32	(c) 58	(c) 64	(c) 1	(c) 5	(a)
Tunis	1	42	139	126	4	(a)	(a)
Cuba (total imports) ..	2,124	2,910	(a)	(a)	2,460	2,911	(a)
Mexico	884	779	1,156	1,825	1,484	(a)	(a)
Chile	42	18	—	127	144	(a)	(a)
Peru	597	628	274	(a)	(a)	(a)	(a)
Venezuela	(a)	12	175	282	(a)	(a)	(a)
Turkey	(a)	(a)	230	206	107	375	403

(a) Information not available.

(b) January to July only. Figure for 1948 onwards refer to Western Germany.

(c) Total imports.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
China stone	29,262	32,125	36,495	47,709	54,591	64,258	68,364
Northern Ireland	169	—	—	—	—	—	—
Kenya	—	108	43	35	10	20	—
Southern Rhodesia	—	—	—	—	—	—	3,464
Union of South Africa	(b) 658	(b) 625	1,537	1,649	2,533	3,493	5,096
Canada (sales)	20,990	27,005	31,467	32,236	48,974	32,989	28,726
India	338	335	1,283	1,722	987	849	(a)
Palestine	64	36	52	(a)	(a)	(a)	(a)
Australia (including china stone)	7,586	6,114	7,856	8,431	9,613	10,730	13,066
FOREIGN COUNTRIES							
Austria	866	472	758	936	1,089	1,882	3,742
Finland	3,527	3,346	3,563	2,013	5,968	9,915	8,899
France	9,457	16,113	27,745	43,407	54,469	46,764	(a)
Germany	(a)	(a)	(a)	(a)	(a)	(c) 48,762	(c) 56,984
Italy	1,451	841	8,043	9,431	13,256	10,729	14,029
Norway—							
Unground	7,077	3,881	2,808	15,863	23,008	19,048	(e) 14,505
Ground	783	296	2,440	5,927	9,586	8,000	(e) 6,012
Portugal	629	667	842	1,119	1,535	1,220	(a)
Spain	2,526	(a)	(a)	(a)	(d) 7,841	(a)	6,874
Sweden—							
Unground	7,687	5,061	11,100	21,604	21,268	22,723	(a)
Ground	7,605	9,872	13,777	15,749	16,808	15,620	(a)
Egypt	79	63	—	—	—	—	—
Madagascar	33	—	12	—	—	—	—
United States (sales)	327,408	373,054	508,380	459,910	460,713	369,378	396,025
Argentina	3,413	5,290	(a)	(a)	(a)	(a)	(a)
Brazil	(a)	(a)	(a)	(a)	186	(a)	(a)
Chile	(a)	(a)	(a)	(a)	871	(a)	857
Peru	—	325	171	29	207	295	(a)
Japan	(a)	(a)	(a)	21,157	24,681	19,738	(a)

Felspar is also produced in Czechoslovakia, Roumania, U.S.S.R., China, French Indo-China and Manchuria.

(a) Information not available.

(b) Sales and shipments.

(c) Bizonal area only.

(d) In addition 3,000 cubic metres were obtained from quarries.

(e) Exports.

EXPORTS OF FELSPAR
(Domestic Produce)
(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	3	1,969	2,998	2,005	1,234	1,272	(a)
Canada	11,679	15,079	17,178	16,349	28,096	15,687	13,808
Palestine	6	2	3	(a)	(a)	(d)	(d)
Australia	(a)	(a)	(a)	(a)	(f) 80	(f) 210	388
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	348	162	30	54
Belgium-Luxemburg E.U.	21	(a)	(a)	(a)	(a)	(a)	(a)
Czecho-slovakia	(a)	(a)	130	15	—	(a)	(a)
Finland	2,048	229	3,293	4,361	3,641	6,388	(a)
France	20	49	841	3,339	4,361	5,690	6,416
Germany	(c) 7,380	(a)	(a)	(a)	2,631	5,734	6,373
Netherlands	(a)	(a)	—	1,649	2,302	2,303	1,402
Norway—							
Crude	6,481	1,312	4,947	15,922	22,139	15,337	14,505
Ground	514	242	2,257	7,220	7,515	6,249	6,012
Sweden	4,683	5,454	18,651	22,347	20,463	19,165	24,971
Israel	(e)	(e)	(e)	(e)	(e)	267	779

- (a) Information not available.
(b) Including china stone up to 1945 inclusive.
(c) January to July only. Figures for 1948 onwards refer to Western Germany.
(d) See "Israel" under Foreign Countries.
(e) See "Palestine" under British Countries.
(f) Years ended June 30 of that stated

IMPORTS OF FELSPAR
(Less Re-exports)
(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	3	3,198	10,309	9,295	14,664	9,798	19,460
Canada	487	737	629	287	185	204	128
Palestine	12	23	83	(a)	(a)	(a)	(a)
Australia	(e) 99	—	—	—	(e) 35	118	273
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	—	53	32	199
Belgium-Luxemburg E.U.	2,355	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia	(a)	(a)	50	1,890	(c) 250	(a)	(a)
Denmark	2,354	1,710	1,450	2,221	3,195	3,429	(a)
Finland (total imports) ..	—	—	—	—	111	48	(a)
France	369	—	549	1,801	3,738	3,657	4,361
Germany	(d) 9,883	(a)	(a)	(a)	1,748	2,799	6,021
Netherlands	(a)	(a)	2,060	8,066	8,200	6,490	10,761
Sweden	108	—	1,891	3,555	1,094	443	(a)
Mexico	717	1,384	1,699	3,536	3,817	(a)	(a)
United States	11,695	14,924	16,365	16,685	31,047	15,826	12,367
Chile	—	1	7	(a)	(a)	(a)	(a)
Venezuela	(a)	9	—	106	(a)	(a)	(a)

- (a) Information not available.
(b) Including china stone up to 1945 inclusive.
(c) January to October only.
(d) January to July only. Figures for 1948 onwards refer to Western Germany.
(e) Year ended June 30 of that stated.

FLUORSPAR

PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	(b) 48,154	43,582	46,454	44,305	58,017	52,032	49,500
Southern Rhodesia ..	—	—	—	152	12	236	440
South West Africa ..	—	—	—	—	—	—	71
Union of South Africa ..	3,426	3,599	4,745	4,739	3,695	4,780	6,838
Canada	6,182	6,580	7,180	6,416	10,125	} 57,569	58,174
Newfoundland	47,801	38,648	11,432	22,985	71,096		
India	1,229	431	—	—	—	—	—
Australia	774	931	1,182	1,200	511	562	576
FOREIGN COUNTRIES							
France	13,190	14,305	18,931	31,097	32,914	45,302	33,500
Germany	(a)	(a)	(c) (d) 2,077	(d) 6,392	(e) 48,565	(f) 33,478	(f) 65,614
Italy	6,650	3,280	7,683	19,962	38,951	17,441	31,112
Norway	2,717	3,092	4,517	1,072	1,102	881	(a)
Spain	54,717	9,484	8,574	13,666	41,877	58,653	31,293
Sweden	1,807	3,394	3,662	2,736	4,235	—	(a)
Morocco (French) ..	(a)	(a)	(a)	(a)	10	492	39
Tunis	—	—	—	—	515	346	—
Mexico (g)	55,596	49,457	19,797	45,017	74,190	54,893	64,630
United States (h) ..	369,447	289,251	248,161	294,182	296,204	211,343	269,205
Argentina	2,632	2,964	(a)	(a)	(a)	(a)	(a)
Bolivia (g)	—	18	—	27	223	260	(a)
Brazil	—	—	—	828	739	529	(a)
China (Occupied) (i)	86,603	3,907	(a)	(a)	(a)	(a)	(a)
Japan	5,040	3,156	307	94	67	945	2,386
Korea	74,039	19,127	(a)	(a)	(a)	(k) 1,211	(a)
Manchuria (j)	25,149	14,858	(a)	(a)	(a)	(a)	(a)
Turkey	—	—	113	—	—	—	—

Fluorspar is also produced in the U.S.S.R.

(a) Information not available.

(b) In addition 30,429 long tons were obtained from old lead-zinc mine dumps.

(c) August to December only.

(d) French Zone only.

(e) Western Zones.

(f) Bizonal area only.

(g) Exports.

(h) Shipments.

(i) Exports to Japan from North and Central China.

(j) Exports to Japan from Manchuria.

(k) Southern Korea only.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	5	21	1,777	1,697	2,131	1,085	(a)
Union of South Africa ..	2,712	1,380	193	58	59	32	38
Newfoundland (b)	42,870	21,750	27,932	34,050	32,102	(c)	(c)
FOREIGN COUNTRIES							
France	399	—	575	995	578	2,371	3,670
Germany	(d) 5,959	(a)	(a)	(a)	16,309	20,842	53,601
Norway	35	112	426	346	724	376	(a)
Sweden	—	137	1,616	833	635	234	34
Tunis	—	—	—	—	10	(a)	(a)
Mexico	55,596	49,457	19,797	45,017	74,190	54,893	64,630
United States	1,842	1,080	1,656	1,186	663	683	614
Bolivia	—	18	—	27	223	260	(a)
China (Occupied) (e) ..	86,603	3,907	(a)	(a)	(a)	(a)	(a)
Korea	(e) 52,292	(e) 15,844	—	(f) 334	—	(a)	(a)
Manchuria (e)	25,149	14,858	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Years ended March 31 of year following that stated.

(c) Included with Canada from April 1, 1949.

(d) January to July only. Figures for 1948 onwards refer to Western Germany only.

(e) Exports to Japan.

(f) Southern Korea only.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Canada (b)	33,125	18,314	28,405	21,456	43,683	2,241	1,404
Australia	(c) —	(c) —	(c) 100	(c) 40	(c) —	70	408
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	993	1,937	3,735	6,665
Belgium-Luxemburg E.U.	202	(a)	(a)	(a)	(a)	(a)	(a)
Denmark	654	167	703	620	637	661	(a)
France	146	4,570	8,687	10,579	298	—	720
Germany	(d) 19,476	(a)	(a)	(a)	—	—	—
Netherlands	(a)	(a)	(a)	(a)	1,785	1,931	2,825
Norway	298	—	212	460	1,134	254	(a)
Portugal	29	20	17	21	9	35	(a)
Sweden	113	15	2,703	2,743	5,676	881	(a)
Mexico	1	—	38	44	2	(a)	(a)
United States	77,723	93,683	26,654	70,225	99,666	85,374	146,995
Peru	507	405	255	(a)	(a)	(a)	(a)
Japan	164,044	34,609	386	—	842	21,932	8,343

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Year ended June 30 of that stated.

(d) January to July only.

FULLER'S EARTH

PRODUCTION OF FULLER'S EARTH

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Union of South Africa ..	(a)	(a)	(a)	(a)	(b) 715	1,549	2,079
India	11,075	13,232	9,418	2,831	6,011	4,852	(a)
Australia	257	276	420	40	132	119	40
New Zealand	106	76	75	31	68	—	—
FOREIGN COUNTRIES							
United States (sales) ..	263,158	264,614	266,743	293,811	305,429	286,532	353,594
Japan	73,000	(a)	(a)	(a)	(a)	(a)	(a)

Fuller's earth is also produced in the United Kingdom and Turkey.

(a) Information not available.

(b) Sales.

EXPORTS OF FULLER'S EARTH*

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Australia	(a)	(a)	(a)	(a)	(b) 46	162	—
FOREIGN COUNTRIES							
United States (c)	6,660	6,029	15,846	8,500	9,500	10,800	(a)

* Statistics of exports of Fuller's earth are not generally separately recorded in official trade returns.

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) As recorded by producers.

IMPORTS OF FULLER'S EARTH

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Union of South Africa ..	49	316	718	369	128	182	(a)
Canada	(£16,754)	(£16,740)	(£17,629)	(£21,456)	(£23,343)	(£27,578)	(£39,211)
Ceylon	6	22	76	41	—	—	4
Australia	545	581	657	519	390	591	598
FOREIGN COUNTRIES							
Mexico	253	500	820	1,347	932	(a)	(a)
United States—							
Crude	—	—	8	41	30	31	—
Prepared	275	300	165	97	85	316	212
Chile	1	53	—	(a)	(a)	(a)	(a)
Peru	63	264	265	(a)	(a)	(a)	(a)
Venezuela	(a)	187	143	140	(a)	(a)	(a)

(a) Information not available.

GOLD

PRODUCTION OF GOLD ORE

(In terms of metal)

(Fine troy ounces)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Anglo-Egyptian Sudan ..	1,820	1,623	3,670	3,725	3,579	4,114	3,533
Bechuanaland Protectorate	11,572	11,297	9,738	7,382	1,502	300	264
Gold Coast	523,225	539,252	585,910	558,011	672,388	676,931	689,429
Kenya	42,259	38,517	29,892	21,959	23,429	20,072	22,946
Nigeria	7,916	8,108	4,881	2,203	2,899	2,515	2,237
Northern Rhodesia ..	307	265	6,838	779	1,180	1,186	1,432
Southern Rhodesia ..	592,729	568,242	544,596	522,735	514,440	528,180	511,163
Sierra Leone	1,014	274	183	2,400	2,193	2,272	3,778
South West Africa ..	98	84	(a)	37	469	(a)	(a)
Swaziland	2,189	3,583	4,914	5,637	3,110	2,841	1,794
Tanganyika	57,103	51,302	49,952	46,842	57,189	69,042	(b) 65,127
Uganda (exports) ..	2,593	2,293	2,176	1,366	1,158	648	590
Union of South Africa	12,279,629	12,224,629	11,927,165	11,200,281	11,584,849	11,705,048	11,663,713
Canada	2,922,911	2,696,727	2,832,554	3,070,221	3,529,608	} 4,123,518	4,430,612
Newfoundland	18,329	15,354	15,751	13,583	12,252		
British Guiana	17,429	20,685	22,712	24,225	18,955	19,368	12,613
Cyprus	958	—	—	—	—	—	—
India	188,206	168,366	131,775	171,705	180,430	164,203	196,848
Malaya	1,212	287	445	5,312	10,212	13,617	18,436
Sarawak	—	—	17	389	599	1,523	1,440
Australia	656,867	657,213	824,480	937,654	890,802	889,057	868,567
Fiji	40,407	94,964	82,401	94,353	93,059	104,036	103,423
New Guinea	—	—	661	59,202	86,556	93,045	(b) 81,764
New Zealand	142,287	128,364	119,271	112,260	93,903	84,874	76,527
Papua	(a)	(a)	(a)	550	202	836	(a)
TOTAL	17,500,000	17,231,000	17,199,000	16,863,000	17,785,000	18,507,000	18,756,000
FOREIGN COUNTRIES							
Finland	5,048	3,022	7,330	10,642	11,317	11,417	6,559
France	21,959	39,738	48,355	42,407	47,519	55,524	(a)
Hungary	28,215	(a)	(a)	(a)	(a)	(a)	(a)
Italy	6,848	1,865	9,259	12,716	19,978	11,478	(a)
Portugal	(a)	(a)	6,687	15,754	11,799	10,385	15,465
Roumania	71,000	(a)	(a)	71,728	(a)	(a)	(a)
Sweden	112,560	85,585	91,372	75,586	71,889	80,280	80,840
Angola	1,198	819	551	360	434	319	201
Belgian Congo	399,730	346,971	331,313	301,445	299,774	333,853	339,415
Cameroon (French) ..	20,416	16,300	11,928	11,501	10,706	8,938	7,170
Egypt	1,036	3,014	2,793	2,090	3,853	7,045	10,724
Eritrea	170	2,119	3,411	3,540	2,242	2,243	1,109

(a) Information not available
(b) Exports.

PRODUCTION OF GOLD ORE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Ethiopia (b)	63,720	50,000	46,000	(a)	41,595	45,102	(a)
French Equatorial Africa ..	84,106	76,069	71,535	70,185	63,723	57,260	54,997
French West Africa	8,777	6,945	7,009	5,562	20,512	51,821	(h) 4,807
Liberia (c)	34,720	9,016	16,506	16,998	13,797	13,183	12,110
Madagascar	9,388	6,430	3,890	1,521	2,096	1,662	1,929
Morocco (French)	2,570	160	—	—	—	—	119
Mozambique	7,556	7,909	5,765	5,401	4,734	2,468	(a)
Costa Rica (b)	6,977	4,456	1,739	(e) 1,988	(e) 1,096	(e) 284	(a)
Cuba	39	423	1,105	364	334	(e) 5,692	(a)
Dominican Republic	683	486	646	—	—	(c) 1,114	(a)
Guatemala	129	60	32	(e) 35	(e) 16	(e) 5	(a)
Haiti	161	(e) 73	41	—	—	—	—
Honduras	23,026	19,158	12,094	11,929	14,265	25,832	30,380
Mexico	508,882	499,301	420,500	464,739	367,612	405,549	408,122
Nicaragua	(c) 223,910	206,360	210,026	216,700	218,019	218,831	(a)
Panama	—	—	—	—	1,000	9,657	(c) 886
Salvador	21,945	11,397	21,809	10,755	20,778	27,091	27,547
United States	998,394	954,572	1,574,505	2,109,185	2,014,257	1,991,783	2,391,683
Argentina	5,369	3,381	8,038	(a)	(a)	(a)	(a)
Bolivia	6,265	5,857	16,701	20,108	2,642	32,440	1,736
Brazil	166,378	163,107	140,482	135,548	130,243	119,182	131,207
Chile	203,749	180,352	230,523	168,855	164,252	179,135	190,237
Colombia	553,530	506,695	437,176	383,027	335,260	385,307	406,319
Dutch Guiana	5,691	5,884	4,630	4,125	4,177	3,794	4,533
Ecuador	84,234	66,975	73,512	57,250	79,207	100,177	96,908
French Guiana	18,583	20,541	19,741	14,930	13,632	14,757	(c) 13,793
Peru	175,180	172,663	158,379	116,017	111,162	113,753	125,388
Uruguay	(b) 1,000	(b) 1,000	—	—	—	(a)	(a)
Venezuela	77,716	76,837	48,558	21,830	49,737	61,378	34,462
Burma	(g) 30	(g) 30	2	67	230	158	150
Formosa	23,084	592	(a)	7,750	13,115	16,607	(a)
French Indo-China	13	—	—	—	—	—	—
Japan	168,438	26,749	42,825	55,171	69,060	84,556	132,461
Korea	656,678	96,452	193,000	329,000	(f) 2,098	(f) 3,408	(a)
Philippine Republic	(a)	(a)	1,055	65,030	209,225	287,838	333,700
Saudi Arabia	4,569	36,215	49,773	54,046	73,976	66,835	66,202
Turkey	(a)	(a)	(a)	(a)	(a)	10,700	(a)
* TOTAL	6,000,000	3,600,000	4,100,000	4,900,000	4,600,000	4,900,000	5,400,000
* WORLD'S TOTAL (excl. U.S.S.R.)	23,500,000	20,800,000	21,300,000	21,800,000	22,400,000	23,400,000	24,200,000

* In view of the wide divergences in estimates of the production of gold in the U.S.S.R. (ranging from 2-18 million ounces) figures for that country have been omitted.

- (a) Information not available.
- (b) Annual Report of the U.S. Mint.
- (c) Exports.
- (d) Estimated.
- (e) Imports into the United States.
- (f) Southern Korea only.
- (g) Average annual production during Japanese occupation.
- (h) European producers only.

EXPORTS OF GOLD

(Including re-exports)

(In terms of metal)

(Fine troy ounces)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Bullion—							
Unrefined	—	—	—	2,000	—	(a)	(a)
Refined	6,225,000	566,000	1,164,000	14,870,000	33,367,000	(a)	(a)
Coin	106,000	2,000	94,000	142,000	519,000	(a)	(a)
Anglo-Egyptian Sudan—							
Bullion	1,800	1,600	3,500	1,230	312	628	—
Gold Coast—							
Bullion	533,900	475,000	646,600	568,471	670,645	656,431	705,182
Kenya and Uganda—							
Bullion	56,000	41,300	34,700	31,700	40,100	31,710	31,445
Nigeria—							
Bullion	10,700	8,000	2,000	700	41	203	(a)
Northern Rhodesia—							
Bullion	420	250	200	248	190	166	169
Sierra Leone—							
Bullion	1,200	300	200	680	3,996	2,046	2,804
Southern Rhodesia—							
Concentrates, etc. ..	2,400	2,700	4,600	5,100	6,400	(a)	6,438
Bullion	590,000	566,000	553,000	527,000	517,000	536,000	516,361
Coin	8	1	—	—	—	—	—
South West Africa—							
Bullion	(a)	(a)	(a)	33	473	51	(a)
Tanganyika—							
Concentrates	130	—	60	40	—	(a)	(a)
Bullion	55,000	51,000	48,000	47,000	62,339	68,989	65,127
Union of South Africa—							
Ore and concentrates ..	6,300	4,700	3,600	6,700	12,900	(a)	11,400
Bullion	} (a)	(a)	(a)	(a)	(a)	(a)	(a)
Coin							
Zanzibar—							
Bullion	—	—	—	1,000	—	—	(a)
Canada—							
Ore, etc.	} (a)	(a)	(a)	(a)	(a)	(a)	(a)
Bullion							
Coin							
British West Indies—							
Trinidad and Tobago—							
Bullion	—	20	—	114	—	(a)	(a)
British Guiana—							
Bullion	6,953	8,915	9,845	15,395	14,711	14,992	10,484
Aden—							
Bullion and coin ..	100	—	—	—	—	—	1,200
India (b)—							
Bullion	33,000	(c) 2,400	(c) 321	(c) 3,839	—	(a)	(c) 410
Coin	1,200	(c) 5,200	(c) 63,867	(c) 49,825	—	(a)	(c) —
Malaya—							
Bullion	(a)	(a)	1,400	—	8,882	(a)	17,837
Coin	(a)	(a)	—	—	19	(a)	31
Cyprus							
Ore and concentrates ..	1,300	—	—	—	—	—	—
Hong Kong—							
Bullion	(a)	(a)	171,000	292,000	69	—	1,576
Coin	(a)	(a)	—	108,000	4	(a)	60
Palestine—							
Bullion and coin ..	300	—	—	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Includes trade by land as recorded.

(c) Sea-borne trade only.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Sarawak—							
Bullion	(a)	(a)	—	—	887	(a)	(a)
Australia—							
Ores, etc.	3,500	6,700	4,000	7,800	—	17	545
Bullion	—	317,000	2,198,000	356,000	232	226	22
Coin	—	—	—	3	—	—	—
Fiji—							
Bullion	44,700	72,700	68,900	134,922	105,712	104,115	103,111
New Guinea and Papua—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	81,764
New Zealand—							
Concentrates, sweepings, etc.	500	600	800	1,000	1,500	(a)	(a)
Bullion	135,000	118,000	110,000	96,000	54,300	(a)	(a)
Irish Republic—							
Bullion	140	4	134	208	4,286	(a)	475
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Denmark—							
Beaten, rolled or drawn ..	100	—	600	300	300	50	1,500
France—							
Bullion and scrap ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Coin	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn	—	600	1,400	14,500	13,000	(a)	947,000
Italy—							
Bullion and scrap ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn	—	—	11,156	12,217	(a)	(a)	(a)
Netherlands—							
Bullion	} (a)	(a)	(a)	(a)	(a)	(a)	} 1,400,000
Coin .. .. .								380,000
Norway—							
Coin	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sweden—							
Bullion	8,500	19,000	390,000	806,000	19,000	69,000	(a)
Coin	—	—	—	500	—	—	(a)
Sweepings, etc.	600	6,000	4,000	8,000	7,000	(a)	(a)
Switzerland—							
Bullion	(a)	(a)	(a)	(a)	(a)	—	—
Belgian Congo—							
Bullion	320,000	300,000	330,000	330,000	320,000	359,000	343,000
Cameroon (French)—							
Bullion	19,000	(a)	(a)	(a)	(a)	6,400	(a)
Egypt—							
Bullion	—	—	—	18,000	(a)	20,000	(a)
Coin	1,000	—	—	—	—	—	(a)
French Equatorial Africa—							
Bullion	124,100	(a)	(a)	48,000	134,900	101,403	(a)
French West Africa—							
Bullion	20,000	100	50,000	2,000	1,000	35,000	(a)
Liberia—							
Bullion	34,720	9,016	16,506	16,998	13,797	13,183	12,110
Madagascar—							
Bullion	—	—	8,000	1,000	10	5,000	(a)

(a) Information not available.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Mozambique—							
Bullion	20	30	25,000	—	150,000	30	(a)
Costa Rica—							
Bullion	3,000	3,000	1,000	2,000	800	(a)	(a)
Cuba—							
Ore, bullion and scrap ..	9,000	15,000	(a)	(a)	(a)	(a)	(a)
Dominican Republic—							
Bullion and scrap ..	700	500	700	—	—	1,000	600
Guatemala—							
Bullion, etc.	100	70	30	30	(a)	(a)	(a)
Honduras (years ended June 30)—							
Bullion, etc.	23,000	(a)	(a)	(a)	(a)	(a)	(a)
Mexico—							
Bullion	117,000	116,000	66,000	75,000	77,000	(a)	(a)
Nicaragua—							
Concentrates	218,000	203,000	204,000	220,000	(a)	(a)	(a)
Precipitates	6,000	(a)	(a)	(a)	(a)	(a)	(a)
Salvador—							
Bullion, etc.	23,000	(a)	19,000	(a)	(a)	(a)	(a)
United States—							
Ore and base bullion ..	—	—	261	} 6,000,000	(a)	(a)	(a)
Refined bullion	27,400,000	5,661,385	6,298,168				
Coin	5,000	49,482	4,305				
Argentina—							
Bullion and coin	550	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia—							
Ore	4,561	3,180	2,918	7,955	4,051	32,440	(a)
Chile—							
Ore	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Bullion	5,000	—	157,000	—	—	(a)	(a)
Coin	85,000	155,000	211,000	(a)	(a)	(a)	(a)
Colombia—							
Bullion	3,000	—	9,143	(a)	(a)	(a)	(a)
Dutch Guiana—							
Bullion	5,691	5,884	4,630	4,125	4,177	3,794	4,533
French Guiana—							
Bullion	19,000	(a)	(a)	12,000	10,000	15,000	8,600
Peru—							
Ores, concentrates, etc. . .	15,000	8,000	7,000	10,000	6,300	(a)	11,000
Bullion, etc.	110,000	114,000	120,000	190,000	150,000	(a)	106,000
Venezuela—							
Bullion	63,000	59,000	18,000	3,000	(a)	(a)	(a)
Saudi Arabia—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	10,296

(a) Information not available.

TOTAL IMPORTS OF GOLD

(In terms of metal)

(Fine troy ounces)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore, etc.	1,000	9,700	20,100	25,200	35,400	(a)	(a)
Bullion—							
Unrefined	584,000	483,000	655,000	697,000	996,000	(a)	(a)
Refined	20,884,000	2,327,000	13,453,000	18,402,000	44,857,000	(a)	(a)
Coin	603,800	350	172,000	172,000	2,511,000	(a)	(a)
Malta—							
Bullion	} (a)	670	3,900	1,305	159	2,988	3,328
Coin							
Anglo-Egyptian Sudan—							
Bullion	2	250	—	323	—	253	57
Coin	5,500	—	—	(a)	(a)	(a)	(a)
Kenya and Uganda—							
Bullion	5,400	4,600	2,200	21,800	15,300	5,289	(a)
Southern Rhodesia—							
Concentrates	100	3,100	9,400	9,600	9,100	(a)	9,100
Coin	—	—	—	50	—	—	—
Tanganyika Territory—							
Bullion	50	190	—	—	12	35	(a)
Zanzibar—							
Bullion	—	—	—	2,700	452	394	(a)
Canada—							
Bullion, etc.	(a)	(c) 170	(c) 5,900	(c) 670	(c) 773	2,440	1,700
British West Indies—							
Jamaica—							
Bullion	200	130	130	20	—	150	70
Coin	—	—	—	—	1	(a)	(a)
Trinidad and Tobago—							
Bullion	(a)	—	—	3,377	496	380	429
British Guiana—							
Bullion	40	70	30	70	—	—	—
Aden—							
Coin	130	120	20	—	—	—	—
Ceylon—							
Bullion	—	—	—	38,100	(a)	(a)	9,446
Cyprus—							
Bullion	3	100	640	2,300	1,200	271	293
Hong Kong—							
Bullion	(a)	(a)	42,000	209,000	—	(a)	64
Coin	(a)	(a)	105,000	146,000	—	(a)	—
India (b)—							
Bullion	111,500	(d) 10,210	(d) 65,942	(d) 537,590	(d) 4,328	(a)	(d) 2,426
Coin	—	—	(d) 658	(d) 107,099	(d) 2	(a)	(d) 1
Malaya—							
Bullion	(a)	(a)	—	—	1,224	(a)	1,243
Palestine—							
Bullion and coin . . .	3,400	21,400	87,300	(a)	(a)	(a)	(a)
Australia—							
Bullion, etc.	130,100	115,000	80,000	135,846	136,133	116,380	158,891
Coin	—	—	25	—	(a)	(a)	(a)
Fiji—							
Bullion	—	—	—	—	15	8	6
New Zealand—							
Bullion, etc.	500	600	600	500	700	(a)	900
Irish Republic—							
Bullion	20	—	—	—	3,454	—	—

(a) Information not available.

(b) Includes trade by land as recorded.

(c) Gold for commercial purposes only.

(d) Sea-borne trade only.

IMPORTS OF GOLD (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Bulgaria—							
Bullion, etc.	2,300	(a)	(a)	(a)	(a)	(a)	(a)
Denmark—							
Beaten, rolled or drawn	4,000	2,200	32,000	14,000	9,000	10,000	17,000
Finland—							
Bullion	1,100	4,000	300	—	100	(a)	(a)
Sheet and wire	10	—	200	100	200	(a)	(a)
France—							
Bullion and scrap ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Coin	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn	100	250	800	7,500	12,000	(a)	(a)
Italy—							
Bullion	(a)	(a)	(a)	4,300	1,100	1,448,000	(c) 875,000
Coin	(a)	(a)	(a)	(a)	60	178,389	971,000
Beaten, rolled or drawn	—	—	8,166	6,430	(a)	(a)	(a)
Netherlands—							
Bullion	} (a)	(a)	(a)	(a)	(a)	(a)	(a)
Coin							
Norway—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sheets and rolled ..	140	500	550	2,200	300	(a)	(a)
Sweden—							
Bullion	4,000	2,000	10,000	426,000	8,000	12,000	8,000
Coin	52,000	70	700	180	20	(a)	(a)
Sweepings, etc.	300	500	400	500	500	(a)	(a)
Switzerland—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Algeria—							
Bullion and coin ..	—	30	—	2,600	7,000	7,000	(a)
Egypt—							
Bullion	1,400	22,000	26,000	119,000	358,000	590,000	(a)
Coin	18,000	17,000	66,000	28,000	308,000	156,000	(a)
Mozambique—							
Bullion	—	—	57,000	93,000	103,000	129,000	(a)
Mexico—							
Bullion and coin ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)
United States—							
Ore and base bullion ..	1,100,000	970,000	1,075,049	} 61,000,000	(a)	(a)	(a)
Refined bullion	1,800,000	1,700,000	9,848,798				
Coin	390,000	1,200	4,346,904				
Argentina—							
Bullion and coin ..	1,700,000	(a)	(a)	(a)	(a)	(a)	(a)
Brazil—							
Bullion	13,000	6,300	600	100	(a)	(a)	(a)
Venezuela—							
Bullion	(a)	(a)	7,000	(a)	(a)	(a)	(a)
Iran (b)—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Coin	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Iraq—							
Bullion and coin ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Syria and Lebanon—							
Coin	1,000	2,000	500,000	(a)	(a)	(a)	(a)
Turkey—							
Bullion and scrap ..	—	—	1,700	500	—	(a)	(a)

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) January 1 to July 14 only.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Kenya	10	3	—	—	—	—	—
Southern Rhodesia	5	6	—	—	—	—	—
South West Africa (crude)	1,607	1,297	1,174	1,613	1,601	2,229	1,358
Union of South Africa	(b) 502	192	273	(b) 218	170	105	240
Canada (sales)	1,413	1,705	1,763	2,141	2,267	1,917	3,180
Ceylon (exports)	12,264	7,820	8,082	9,005	13,970	12,241	12,844
India	927	1,295	1,627	1,235	1,649	972	1,101
Malaya	(c) 160	(c) 160	—	—	—	—	—
Australia	440	112	347	303	231	124	145
FOREIGN COUNTRIES							
Austria (crude)	24,228	3,663	242	3,784	10,723	13,923	14,455
Czechoslovakia (crude)	(a)	10,800	5,027	(a)	(a)	(a)	(a)
Germany	(a)	(a)	(a)	(a)	(d) 5,076	(d) 5,016	(d) 6,459
Italy	2,960	2,240	2,552	4,085	6,637	3,948	3,794
Norway	3,724	1,097	651	2,442	1,066	2,222	(a)
Spain	1,100	2,360	500	304	262	267	273
Sweden	—	213	—	—	63	107	(a)
Egypt	256	150	—	—	49	—	—
Madagascar—							
Flake	11,030	7,481	4,356	3,853	} 7,563	{ 5,687	9,784
Powder	3,219	1,558	1,858	1,235	}	{ 3,309	4,008
Morocco (French)	210	258	630	433	279	71	73
Morocco (Spanish)	41	—	—	—	—	—	—
Mozambique	—	—	197	124	89	108	(a)
Mexico	12,772	23,261	21,782	27,542	34,704	23,437	24,238
United States	4,829	4,364	4,978	3,917	8,883	5,448	5,004
Argentina	448	328	(a)	(a)	(a)	(a)	(a)
Brazil	519	471	650	6,900	7,996	547	(a)
Uruguay (ore)	—	—	—	49	—	—	—
French Indo-China	30	—	—	—	—	—	—
Japan	(e) 4,782	(e) 2,567	(e) 8,083	(e) 10,025	(e) 12,589	5,578	3,744
Korea—							
Flake	27,978	(f) 5,171	(f) 200	(f) 528	(f) 391	(f) 795	(a)
Other	73,697	(f) 26,724	(f) —	(f) 2,559	(f) 14,650	(f) 39,233	(a)

Graphite is also produced in the U.S.S.R. and Albania.

(a) Information not available.

(b) Including the following amounts of graphite shale :—

Year	Long tons
1944	183
1947	31

(c) Average annual production during the Japanese occupation (1942 to 1945).

(d) Bizonal area.

(e) Years ended March 31 of year following that stated.

(f) Southern Korea only.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Crucibles	1,969	1,872	3,229	2,795	3,416	3,777	2,889
South West Africa	657	1,146	873	1,362	970	1,246	671
Canada	246	1,020	1,329	1,620	1,798	1,474	2,717
Ceylon	12,264	7,820	8,082	9,005	13,970	12,241	12,844
Hong Kong (re-exports)	(a)	(a)	10	92	565	2,828	1,185
Australia	124	33	90	46	82	37	91
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	4,188	7,204	10,301	9,644
Belgium-Luxemburg E.U.—							
Crude and ground	20	(a)	(a)	(a)	904	135	62
Crucibles	23	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia	(a)	(a)	874	1,647	(c) 1,086	(a)	(a)
Denmark (d)	1	—	2	—	1	7	(a)
France	1	141	1,032	495	709	301	435
Germany	(e) 4,122	(a)	(a)	(a)	992	1,977	4,088
Italy	(a)	(a)	(a)	1,669	1,953	1,597	1,444
Norway	2,985	1,264	1,441	2,049	936	2,160	1,871
Sweden	—	28	305	16	12	—	7
Madagascar	13,936	6,349	8,735	8,579	8,305	10,122	11,895
Morocco (French)	136	301	560	380	(a)	103	(a)
Mozambique	96	168	189	203	40	165	—
Mexico	12,776	23,261	21,603	27,542	34,704	23,149	25,313
United States	1,991	1,168	2,065	1,360	935	1,207	1,248
Brazil	196	129	91	127	82	(a)	(a)
Japan	(a)	(a)	(a)	(a)	(a)	(a)	139
Korea—							
Flake	(a)	(a)	(a)	(b) 2,276	(a)	(a)	(a)
Other	(a)	(a)	(a)	(b) 7,170	(a)	(a)	(a)

(a) Information not available.

(b) Imports into Japan from Korea.

(c) January to October only.

(d) Including artificial graphite.

(e) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF GRAPHITE
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Natural	20,113	6,874	2,807	124	—	17	2
Artificial							
Crucibles	—	—	1	3	1	2	(a)
Mauritius—							
Crucibles	(£426)	(£905)	(£726)	(£471)	(£158)	6	3
Southern Rhodesia	39	1	33	34	18	33	71
Union of South Africa	526	818	312	1,205	569	952	(a)
Canada (b)—							
Unground	(£10,808)	(£15,027)	(£23,313)	(£17,208)	(£20,323)	(£22,155)	(£23,500)
Ground, including manu- factures	(£58,698)	(£62,302)	(£85,089)	(£95,746)	(£82,799)	(£77,997)	(£108,698)
Crucibles	(£28,930)	(£25,900)	(£33,503)	(£33,721)	(£29,032)	(£34,228)	(£53,994)
Newfoundland (c)	2	3	1	3	1	(c)	(c)
Cyprus	—	—	—	3	6	—	2
Hong Kong (total imports)	(a)	(a)	301	283	1,454	3,597	1,419
India—							
Graphite	96	519	488	902	733	404	667
Crucibles	441	333	223	351	368	728	214
Palestine—							
Crucibles	13	24	35	(a)	(a)	(f)	(f)
Australia	447	969	840	593	1,162	712	808
New Zealand £ (N.Z.)	(£4,160)	(£3,275)	(£2,861)	(£2,813)	(a)	171	77
Irish Republic	79	38	45	33	42	26	38
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Crude and ground	184	(a)	(a)	(a)	1,697	1,541	1,788
Crucibles	24	(a)	(a)	(a)	(a)	(a)	(a)
Bulgaria	68	60	47	(a)	(a)	(a)	(a)
Czechoslovakia—							
Graphite	(a)	(a)	35	260	(d) 399	(a)	(a)
Crucibles, etc.	(a)	(a)	18	55	(a)	(a)	(a)
Denmark—							
Graphite (g)	374	167	655	602	728	639	(a)
Crucibles	67	27	136	88	102	80	(a)
Finland (total imports)	225	75	248	296	131	233	(a)
France	204	1,974	524	4,536	4,154	4,361	3,322
Germany	(e) 1,707	(a)	(a)	(a)	917	2,842	3,683
Italy	(a)	(a)	(a)	3,052	1,907	2,407	3,635
Norway—							
Graphite	103	18	29	45	88	112	(a)
Crucibles, etc.	35	6	69	66	91	103	(a)
Portugal	37	14	56	69	50	24	(a)
Sweden	684	640	558	505	428	638	(a)
Algeria	12	65	48	48	52	15	(a)
Egypt (total imports)	8	197	61	49	172	143	(a)
Tunis—							
Graphite	8	15	1	5	9	(a)	(a)
Crucibles	15	31	13	12	50	(a)	(a)
Mexico—							
Graphite	78	72	109	126	64	(a)	(a)
Crucibles	211	106	151	188	50	(a)	(a)

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) January to October only.

(e) January to July only. Figures for 1948 onwards refer to Western Germany only.

(f) See "Israel" under Foreign Countries.

(g) Including artificial graphite.

IMPORTS OF GRAPHITE (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States (b)	23,262	32,262	29,586	38,957	46,556	28,358	38,827
Argentina	276	337	239	(a)	(a)	(a)	(a)
Brazil—							
Graphite	116	51	41	112	33	(a)	(a)
Crucibles	158	367	182	237	110	(a)	(a)
Chile	262	100	89	(a)	(a)	(a)	(a)
Colombia	(a)	(a)	13	(a)	(a)	(a)	(a)
Peru.. .. .	30	19	18	(a)	(a)	(a)	(a)
Israel—							
Crucibles	(c)	(c)	(c)	(c)	(c)	28	37
Japan	(a)	(a)	5,267	15,307	26,880	35,136	5,614
Turkey—							
Graphite	16	75	257	33	37	20	124
Crucibles, etc.	37	227	251	29	59	46	40

(a) Information not available.

(b) In addition the following amounts of artificial graphite were imported:—

Year	Long tons
1944	117
1945	137
1946	4
1947	25
1948	104
1949	40
1950	164

(c) See " Palestine " under British Countries.

GYPSUM

PRODUCTION OF GYPSUM

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Gypsum	} 1,323,247	528,000	738,000	848,400	1,053,600	1,086,000	1,167,400
Anhydrite		799,000	950,000	897,300	1,033,600	1,024,400	1,038,900
Northern Ireland	—	70	—	—	—	—	—
Anglo-Egyptian Sudan	—	2,073	3,015	—	2,996	1,472	—
Kenya	250	156	500	559	1,000	178	—
Union of South Africa (c)	56,519	65,042	65,182	78,900	82,610	87,693	115,038
Canada (b)	478,889	741,717	1,809,862	2,325,067	3,114,254	2,809,923	3,375,188
Jamaica	—	—	—	—	—	12,000	23,000
Ceylon	—	58	32	68	167	184	—
Cyprus (e)	3,400	2,600	15,000	8,000	20,000	26,000	65,000
India	} 83,706	90,772	76,417	50,569	78,948	139,944	202,118
Pakistan				6,800	1,000	15,645	(a)
Palestine	7,311	7,423	14,283	(a)	(a)	(a)	(a)
Australia	78,946	107,173	165,482	215,435	276,416	287,243	333,390
Irish Republic	21,056	23,030	37,295	35,840	61,703	66,205	(a)
FOREIGN COUNTRIES							
Austria	(a)	(a)	23,633	14,858	25,959	35,617	(a)
Bulgaria (e)	5,000	5,000	5,000	5,000	5,000	5,000	5,000
France	690,600	712,565	1,718,794	2,194,524	2,218,579	2,109,309	(e)2,000,000
Germany	(a)	(a)	(a)	(a)	(d) 259,655	487,414	620,739
Greece	—	—	5,069	837	571	718	807
Italy (including alabaster)	120,445	159,555	232,400	293,724	(a)	(a)	(a)
Poland	(a)	(a)	9,632	14,681	13,959	25,945	32,306
Portugal	28,674	11,502	27,243	33,333	42,165	42,380	(a)
Spain	483,307	561,300	641,400	741,486	783,845	728,846	(a)
Sweden	170	284	—	—	—	—	—
Algeria	(a)	21,900	28,148	37,739	32,733	(a)	(a)
Angola (f)	7	40	—	1,390	(a)	—	—
Egypt	51,484	46,770	77,079	71,194	93,739	(a)	(a)
Morocco (French)	(a)	8,600	14,896	17,012	29,660	15,181	610
Morocco (Spanish)	—	(e) 3,000	(e) 4,000	(e) 3,000	(e) 4,000	(e) 4,000	4,379
Tunis	7,360	7,510	8,842	17,371	18,828	22,000	(a)
Cuba	8,866	(a)	(a)	(a)	(a)	(a)	(a)
Dominican Republic	(f) 2,112	(f) 3,206	(f) 11,404	13,252	7,181	(a)	(a)
United States	3,358,245	3,403,324	5,026,248	5,543,050	6,477,263	5,900,105	7,314,844
Argentina	104,600	90,100	(a)	(a)	(a)	(a)	(a)
Chile	31,716	43,222	75,467	82,604	30,501	59,351	(a)
Peru	43,004	37,398	42,706	40,677	45,978	36,828	(a)
Venezuela (g)	(a)	(a)	(a)	(a)	2,568	2,945	2,018
French Indo-China	—	—	—	—	—	—	—
Japan	121,877	82,104	47,738	64,840	111,667	115,270	111,715
New Caledonia	16,400	7,904	6,643	2,662	758	16,850	(a)
Philippine Republic	(a)	(a)	(a)	(a)	792	2,667	2,837
Siam	(a)	(a)	(a)	(a)	(a)	152	331

Gypsum is also produced in Luxemburg, Roumania, Switzerland, U.S.S.R., Yugoslavia, Mexico, Brazil, China, Iraq and Korea.

- (a) Information not available
- (b) Including "Anhydrite."
- (c) Sales and shipments for the years 1944 to 1948.
- (d) Bizonal area.
- (e) Estimated.
- (f) Exports.
- (g) Production in Government quarries only.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Calced	1,657	1,317	2,086	1,266	7,749	(a)	22,236
Union of South Africa ..	3,025	3,612	3,638	2,825	4,998	6,007	4,388
Canada—							
Crude	345,490	498,779	1,329,205	1,729,455	2,336,849	2,271,979	2,651,762
Ground	—	—	—	—	9,637	(a)	(a)
Calced	396	399	865	1,271	662	147	91
Jamaica	—	—	—	—	—	9,600	20,600
Cyprus—							
Crude	2,887	1,780	10,850	5,800	13,992	16,951	53,094
Calced	458	655	3,642	1,601	4,330	7,030	9,465
Hong Kong (including re-exports)	(a)	(a)	113	160	333	210	1,437
Palestine—							
Calced	20	4	1	(a)	(a)	(a)	(a)
Other	—	4	—	(a)	(a)	(a)	(a)
Australia—							
Crude	17,520	18,155	22,180	27,984	35,164	37,255	27,131
FOREIGN COUNTRIES							
Austria—							
Crude and ground ..	(a)	(a)	(a)	18,759	27,978	16,657	19,194
Calced	(a)	(a)	(a)	679	271	1,889	7,002
Belgium-Luxemburg E.U.—							
Crude	—	6,043	(a)	(a)	1,630	233	95
Ground and calced ..	1,881	(a)	(a)	(a)	5,663	3,881	1,613
Denmark—							
Crude and calced ..	—	—	—	21	36	21	37
France—							
Crude	61,650	82,311	310,702	465,897	311,924	290,188	367,691
Calced .. .. .								53,923	68,357	82,061
Germany—							
Gypsum and phosphatic gypsum	(b) 21,273	(a)	(a)	(a)	27,675	34,481	94,660
Netherlands	(a)	(a)	29	186	255	2,461	3,100
Portugal—							
Crude	38	76	110	99	40	123	(a)
Sweden—							
Calced	1	162	348	20	27	26	186
Switzerland—							
Ground and calced ..	298	126	2,001	2,638	795	177	161
Algeria	21	98	613	651	608	439	(a)
Angola—							
Crude	7	40	—	1,390	(a)	(a)	(a)
Egypt—							
Crude and ground ..	11	107	(a)	—	2,099	2,084	(a)
Calced	99	47	(a)	—	—	—	(a)
Morocco (French)	531	1,471	—	—	(a)	(a)	(a)
Morocco (Spanish)	583	793	985	829	(a)	(a)	(a)
Tunis (including re-exports)—							
Calced	98	75	1	39	21	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF GYPSUM (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Dominican Republic ..	2,112	3,206	11,404	9,473	6,386	17,925	987
Mexico—							
Crude	—	—	—	—	118,093	(a)	27,828
Calcined	—	6	23,728	103,337	45,558	82,762	(a)
United States—							
Crude and ground ..	777	953	3,635	8,676	1,254	} 15,685	21,141
Calcined	5,018	8,001	13,888	20,974	8,387		
Argentina	3,638	2,515	1,742	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF GYPSUM
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950					
BRITISH COUNTRIES												
United Kingdom—												
Crude, including alabaster	3,535	67,860	67,413	54,787	36,743	53,106	69,223					
Calcined	240	1,407	2,590	5,018	6,642	3,587	2,330					
Anglo-Egyptian Sudan ..	—	—	—	125	173	231	(a)					
Kenya—												
Crude	(a)	(a)	(a)	(a)	525	—	470					
Southern Rhodesia—												
Crude and calcined ..	2,372	3,163	2,822	3,038	2,763	4,266	6,866					
South West Africa	4	11	27	19	21	18	(a)					
Union of South Africa—												
Crude and calcined ..	515	584	715	1,144	1,111	992	(a)					
Canada (b)—												
Crude and ground	500	793	3,331	7,924	921	505	757					
Calcined	1,384	2,575	6,815	8,992	8,887	7,796	20,035					
Newfoundland (c)—												
Crude and calcined ..	100	270	360	383	243	(c)	(c)					
Hong Kong (total imports)	(a)	(a)	271	189	2,426	87	3,838					
Palestine—												
Crude and calcined ..	1	5	93	(a)	(a)	(g)	(g)					
Australia (f)	(a)	9	2	1	6	7	132					
New Zealand—												
Crude	16,738	14,865	24,374	29,206	26,956	38,369	28,310					
Calcined	1,117	4,073	10,176	6,007	4,739	9,293	8,427					
Irish Republic—												
Calcined, etc.	1,351	566	431	380	395	667	1,015					
FOREIGN COUNTRIES												
Belgium-Luxemburg E.U.—												
Crude	49,663	(a)	(a)	(a)	202,419	162,416	201,587					
Ground and calcined ..	3,608	(a)	(a)	(a)	33,500	30,367	42,704					
Bulgaria—												
Crude	514	(a)	(a)	(a)	(a)	(a)	(a)					
Calcined	37	(a)	(a)	(a)	(a)	(a)	(a)					
Czechoslovakia—												
Crude and ground	(a)	(a)	4,076	16,720	(d) 30,291	(a)	(a)					
Calcined	(a)	(a)	6,452	14,980	(d) 15,255	(a)	(a)					
Denmark—												
Crude	14,046	1,686	20,845	21,690	25,786	14,663	35,684					
Calcined	3,322	367	5,232	10,167	11,820	31,663	4,970					
Finland (total imports)—												
Crude	4,625	16	5,129	22,728	24,597	22,389	(a)					
Calcined	1,252	516	3,758	1,674	4,594	8,338	(a)					
France—												
Crude and calcined ..	1,672	3,032	3,326	5,678	1,052	346	279					
Germany—												
Gypsum and phosphatic gypsum	(e) 17,311	(a)	(a)	(a)	52	53	904					
Iceland	84	84	31	(a)	(a)	(a)	(a)					
Netherlands—												
Crude	(a)	(a)	{ 14,264	28,342	22,692	21,293	29,499					
Calcined								{ 15,368	15,450	21,229	24,356	28,865
Ground .. .. .													{ 47,018	50,779	8,489	8,158

(a) Information not available.
(b) Including Newfoundland from April 1, 1949.
(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.
(d) January to October only.
(e) January to July only.
(f) Years ended June 30 of that stated.
(g) See "Israel" under Foreign Countries.

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Norway—							
Crude	—	2,041	15,931	15,966	15,567	21,132	} 23,031
Ground	1,297	231	2,834	2,174	2,336	2,965	
Portugal—							
Crude	3,100	4,616	8,100	6,205	5,172	7,972	(a)
Calcined	4	3	9	12	9	8	(a)
Sweden—							
Crude	18,537	1,613	63,129	59,200	73,741	43,438	72,871
Calcined	5,256	1,907	7,207	11,189	10,647	8,538	10,827
Switzerland—							
Ground and calcined ..	117	30	27	91	193	105	181
Algeria—							
Calcined	80	89	93	149	149	742	(a)
Egypt—							
Crude and ground ..	—	—	—	21	522	984	(a)
Calcined	96	415	(b) 639	612	902	859	(a)
Morocco (French)	162	119	697	1,207	(a)	(a)	(a)
Morocco (Spanish)	115	93	128	85	(a)	(a)	(a)
Mozambique—							
Crude	644	456	648	976	1,767	2,431	186
Calcined	118	171	32	70	104	85	41
Tunis—							
Calcined	—	9	20	21	16	39	(a)
Costa Rica	26	20	28	(a)	26	(a)	(a)
Cuba (total imports) ..	2,636	1,982	(a)	(a)	1,820	2,762	(a)
United States—							
Crude	305,768	454,252	1,301,018	1,925,937	2,552,865	2,315,472	2,848,750
Ground	336	206	316	426	361	547	639
Calcined	67	60	228	116	10	187	212
Argentina	13	23	63	(a)	(a)	(a)	(a)
Brazil—							
Crude	600	227	252	200	155	(a)	(a)
Ground	292	154	161	290	179	(a)	(a)
Chile	27	25	12	(a)	(a)	(a)	(a)
Colombia—							
Ground	82	256	1,116	(a)	(a)	(a)	(a)
Peru—							
Crude	29	15	11	(a)	(a)	(a)	(a)
Calcined	8	10	13	(a)	(a)	(a)	(a)
Uruguay—							
Ground	7,971	8,737	8,433	(a)	(a)	(a)	(a)
Venezuela	(a)	360	107	641	(a)	(a)	(a)
Israel—							
Crude	(c)	(c)	(c)	(c)	(c)	839	480
Calcined	(c)	(c)	(c)	(c)	(c)	25	96
Japan	147	—	—	—	9,165	(a)	(a)
Syria and Lebanon	353	1,193	269	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

(c) See "Palestine" under British Countries.

**IRON AND STEEL
PRODUCTION OF IRON ORE***
(Including Manganiferous Iron Ore)

Producing Country	ORE										Estimated Iron Content			
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
United Kingdom (b)	15,471,700	14,174,900	12,172,800	11,090,900	13,089,200	13,386,700	12,835,800	4,321,000	4,095,000	3,518,000	3,217,000	3,927,000	4,019,000	3,881,000
Northern Rhodesia (c)	209	75	159	1,504	147	1,721	—	100	40	80	750	84	1,111	—
Sierra Leone (c)	(d) 454,660	(e) 705,799	(e) 633,194	(e) 744,860	(e) 968,023	(e) 985,353	(d) 1,073,779	260,000	394,000	378,000	434,000	503,000	554,000	(e)
Southern Rhodesia	786,281	852,515	931,879	1,143,779	1,145,350	1,222,423	1,170,465	457,000	532,000	646,000	718,000	688,000	737,000	32,400
Union of South Africa	493,975	1,013,789	1,383,503	1,713,720	1,104,682	1,488,056	3,229,820	270,000	560,000	760,000	940,000	680,000	737,000	706,000
Canada	464,371	967,062	1,217,112	1,443,410	828,133	828,133	3,229,820	240,000	503,000	638,000	751,000	777,000	1,805,000	1,777,000
Newfoundland	(e)	(e)	(e)	(e)	908	908	—	(e)	(e)	(e)	(e)	(e)	(e)	(e)
Hong Kong	(e)	(e)	(e)	(e)	59,181	59,181	169,374	1,500,000	1,450,000	1,540,000	1,600,000	1,460,000	1,800,000	1,900,000
India	2,364,184	2,407,682	2,407,682	2,498,459	2,284,587	2,808,522	2,857,199	1,500,000	1,450,000	1,540,000	1,600,000	1,460,000	1,800,000	1,900,000
Malaya	10,453	13,375	—	888	641	8,390	498,803	1,350,000	1,010,000	1,210,000	1,420,000	1,224,000	1,020,000	1,652,600
Australia	2,038,638	1,529,371	1,818,216	1,845,529	2,042,005	1,460,231	2,634,699	1,350,000	1,010,000	1,210,000	1,420,000	1,224,000	1,020,000	1,652,600
New Zealand (c)	6,036	6,067	7,406	6,226	4,778	4,352	3,642	2,800	2,500	5,000	2,500	1,900	1,700	1,400
TOTAL	22,100,000	21,600,000	20,586,000	20,800,000	22,038,000	23,279,000	24,730,000							
FOREIGN COUNTRIES														
Austria	2,621,325	312,900	452,837	870,881	1,178,342	1,464,121	1,830,046	757,000	(a)	155,000	300,000	353,000	450,000	571,000
Belgium	48,902	29,300	38,152	57,290	95,192	43,000	44,000	17,000	10,000	13,000	20,000	33,000	15,000	15,400
Czechoslovakia	1,559,000	272,000	1,098,000	1,346,000	1,404,500	1,450,000	1,550,000	470,000	80,000	330,000	404,000	420,000	435,000	465,000
France	18,603,000	7,590,948	15,975,855	18,422,877	22,696,661	30,932,000	29,514,000	5,800,000	2,312,000	4,942,000	6,003,000	7,436,000	10,310,000	9,830,000
Germany (Western)	(a)	(a)	3,843,023	4,371,916	7,160,678	8,967,900	10,711,380	(a)	(a)	930,000	1,017,000	1,880,000	2,397,000	2,863,000
Greece	(a)	(a)	15,000	—	344	2,756	7,286	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Hungary	(a)	47,000	131,000	240,300	313,000	334,000	362,000	(a)	16,000	46,000	84,000	122,000	130,000	140,000
Italy	393,389	132,116	147,407	242,585	557,711	540,656	457,966	(a)	(a)	75,000	120,000	280,000	270,000	229,000
Luxemburg	2,877,000	1,383,673	2,211,421	1,960,703	3,345,587	4,071,984	3,784,368	850,000	388,000	660,000	595,000	962,000	1,118,000	1,034,000
Norway	280,250	77,298	59,025	125,780	196,151	270,944	167,000	49,000	35,000	35,000	79,000	123,000	173,000	173,000
Poland	670,000	104,000	389,224	496,487	649,000	688,000	780,000	210,000	36,000	130,000	170,000	216,000	230,000	290,000

* For detailed figures see page 134.

(a) Information not available.

(b) In addition bog ore and iron ore (not used for smelting) were produced as follows:—

1944 8,157 long tons.

1945 (a)

1946 (a)

1947 6,638 "

(c) Used mainly or entirely for purposes other than iron production.

(d) Exports.

(e) Marketable ore only. Washed fines are excluded.

(f) Estimated.

1948

1949

1950

PRODUCTION OF IRON ORE (Cont.)

Producing Country	ORE										Estimated Iron Content									
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950						
FOREIGN COUNTRIES (Cont.)																				
Portugal	7		49		159	217		3		25		80		108						
Roumania (b)	(a)		105,000	119,000	206,000	319,000	389,000	(e)	(a)	47,000	54,000	83,000	144,000	175,000						
Spain	1,484,764	1,152,868	1,570,994	1,490,001	1,604,872	1,846,662	2,095,580	670,000	520,000	710,000	679,000	720,000	830,000	943,000						
Sweden	7,138,536	3,867,534	6,758,750	8,754,067	13,077,268	13,512,054	13,396,062	4,297,000	2,398,000	4,238,000	5,479,000	8,075,000	8,292,000	8,171,000						
Switzerland	211,062	17,161	52,454	63,734	85,400	89,000	54,000	85,000	9,000	28,000	31,000	42,000	(a)	(a)						
U.S.S.R. (b)	(a)	(a)	22,000,000	26,000,000	31,000,000	35,000,000	44,000,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)						
Yugoslavia	(a)	(a)	393,000	727,000	865,000	822,000	813,000	(a)	(a)	177,000	327,000	389,000	370,000	365,000						
Algeria	771,980	1,183,350	1,644,850	1,533,448	1,841,964	2,497,400	2,532,200	406,000	620,000	895,000	890,000	978,000	1,350,000	1,370,000						
Egypt	13	6	1		383	212	61	(e)	(a)	(a)	(a)	(a)	(a)	(a)						
Morocco (French)	6,500	102	122,327	153,841	296,500	361,188	314,228	4,400	50	57,000	70,000	133,000	158,000	144,000						
Morocco (Spanish)	690,000	703,700	806,800	888,300	886,281	879,754	937,666	400,000	430,000	450,000	500,000	550,000	536,000	750,000						
Tunisia	86,700	130,358	180,800	397,310	685,100	700,700	745,900	44,000	68,000	84,000	200,000	373,000	378,000	403,000						
Cuba	27,922			36,755	22,588	11,265	13,000	13,000			12,500	7,800	3,900	440						
Mexico	296,788	278,062	271,095	327,195	332,000	357,000	413,000	184,008	172,989	168,079	222,494	225,459	242,679	281,000						
United States (c)	95,445,792	99,736,084	71,868,812	94,140,051	102,200,425	85,800,300	99,016,429	49,000,000	46,000,000	36,000,000	47,000,000	51,000,000	43,000,000	(a)						
Argentina	1,891	688	(a)	(a)	(a)	(a)	(a)	1,100	400	(a)	(a)	(a)	(a)	(a)						
Brazil	550,000	639,943	573,316	601,351	1,346,844	1,857,329	(a)	360,000	420,000	370,000	390,000	1,050,000	1,260,000	1,743,000						
Chile	18,122	372,531	1,158,462	1,710,111	2,468,125	2,699,393	2,906,591	10,900	170,300	728,000	1,067,000	1,656,000	1,637,000	(a)						
Venezuela							196,159							(a)						
China	39,500	31,000	(a)	(a)	(a)	(a)	(a)							(a)						
French Indo-China	23,000	7,800	(a)	(a)	(a)	(a)	(a)	14,000	3,200	270,000	250,000	280,000	400,000	474,000						
Japan (d)	4,069,000	1,398,000	549,792	491,151	549,866	781,574	895,411	1,707,000	670,000	(a)	(a)	(a)	(a)	(a)						
Korea	3,279,000	819,798	(f)	(f)	(f)	(f)	(f)	1,800,000	(a)	(a)	(a)	(a)	(a)	(a)						
Manchuria (b)	3,200,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)						
Philippine Republic		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)						
Portuguese India		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)						
Siam	6,691		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)						
Turkey	89,002	123,283	110,438	143,320	165,170	214,599	229,902	24,000	74,000	66,000	87,000	100,000	129,000	143,000						
TOTAL	190,000,000	135,000,000	153,000,000	166,000,000	195,000,000	197,000,000	208,000,000													
WORLD'S TOTAL	202,000,000	157,000,000	194,000,000	187,000,000	217,000,000	220,000,000	233,000,000													

(a) Information not available.
 (b) Estimated.
 (c) Usable ore, including shipments of manganese iron ore up to 35 per cent. Mn.
 (d) Including iron sand as follows (long tons): 1944—474,000; 1945—267,110; 1946—8,641
 (e) Excluding iron sand.
 (f) Southern Korea only.

1947—2,551; 1948—2,460; 1949—32,599; 1950—86,122.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
West Coast hematite ..	534,800	405,800	379,100	368,600	325,200	350,100	342,700
Jurassic ironstones—							
Lower lias	3,085,800	2,688,500	2,660,500	2,615,800	3,167,200	3,207,100	3,127,700
Middle lias	3,797,000	3,171,900	2,343,400	2,003,800	2,537,400	2,665,600	2,557,600
Inferior oolite ..	7,869,500	7,759,300	6,657,900	5,984,200	6,967,000	7,071,200	6,804,300
Coal measure ironstones	24,100	6,800	5,600	2,200	200	300	200
Other iron ore (hematite, limonite, etc.) ..	160,500	142,600	126,300	116,300	92,200	102,400	103,300
Union of South Africa—							
Hematite	701,804	824,829	899,838	1,105,800	1,101,854	1,161,543	(a)
Siliceous hematite ..	39,676						
Magnetite	1,018	5,042	2,717	—	—	527	(a)
Carbonate	13,763	22,644	29,324	37,979	43,496	60,353	(a)
Canada (b) —							
Siderite (sintered) ..	474,000	462,000	552,000	508,000	(a)	(a)	(a)
Hematite	16,000	486,000	888,000	1,206,000	(a)	(a)	(a)
Newfoundland—							
Hematite	462,080	967,062	(a)	(a)	(a)	(a)	(a)
Magnetite	2,291	—	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES							
France—							
Phosphoric	(a)	7,253,695	15,195,689	17,295,104	21,196,614	(a)	(a)
Medium phosphoric ..	(a)	208,568	611,468	860,561	1,256,801	(a)	(a)
Non-phosphoric ..	(a)	128,685	168,698	267,212	243,246	(a)	(a)
Italy—							
Iron ore	(a)	(a)	129,538	222,368	534,661	512,616	435,138
Manganiferous iron ore	(a)	(a)	17,869	20,217	23,050	28,040	22,828
Luxemburg—							
Siliceous iron ore ..	(a)	728,920	1,287,706	1,143,433	1,375,086	1,535,401	1,477,261
Calcareous iron ore ..		589,915	802,210	698,762	1,794,503	2,403,628	2,221,572
Ferruginous limestone ..		64,838	121,505	118,508	175,998	132,955	85,535
Poland—							
Hematite	(a)	(a)	7,500	9,190	(a)	(a)	(a)
Magnetite			21,578	39,052	(a)	(a)	(a)
Siderite			—	9,243	(a)	(a)	(a)
Limonite			35,944	38,094	(a)	(a)	(a)
Argillaceous iron ore ..			293,747	376,928	(a)	(a)	(a)
Bog iron ore			30,455	23,980	(a)	(a)	(a)
Portugal—							
Hematite	—	—	49	—	159	217	—
Magnetite	7	—	—	—	—	—	—
Sweden—							
Manganiferous iron ore	72,392	67,656	130,538	84,465	90,482	113,964	(a)
Other iron ore	7,066,164	3,799,878	6,628,212	8,669,602	12,986,784	13,398,090	(a)
By phosphorus content (c)—							
Under 0.006%	732,493	570,139	492,460	496,611	522,682	566,187	(a)
0.006% to under 0.04%	1,636,727	1,021,255	1,669,400	1,840,918	2,095,515	2,049,273	(a)
0.04% to under 0.1%	255,682	141,056	113,465	121,640	78,933	68,217	(a)
0.1% to under 0.7%	1,960,915	1,319,140	2,204,305	2,896,585	4,305,110	4,605,595	(a)
0.7% to under 1%	1,204,312	465,268	765,104	792,445	1,037,628	976,459	(a)
1% and over	1,348,427	350,676	1,514,016	2,605,868	5,037,398	5,246,323	(a)
Algeria—							
Non-phosphoric ..	771,980	1,183,850	1,644,850	1,531,448	1,841,964	2,497,400	2,532,200
Tunis—							
Non-phosphoric ..	86,700	130,358	180,800	397,310	685,100	700,700	745,900

(a) Information not available.

(b) Shipments. These figures do not agree with those on page 132 which refer to actual production.

(c) Calculated on a basis of 50% Fe content.

DETAILS OF PRODUCTION OF IRON ORE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—							
Ore containing less than 5% Mn—							
Hematite*	86,726,870	81,294,688	65,728,172	84,535,465	90,686,138	76,262,577	87,157,960
Magnetite*	5,578,807	5,620,810	3,920,986	6,811,876	7,661,207	6,593,277	7,697,029
Limonite	1,218,509	942,910	686,402	1,201,408	2,176,149	1,545,595	2,615,402
Siderite	611	545	650	48	—	—	—
Pyrite cinder and sinter	592,908	517,440	506,903	542,723	479,998	535,998	574,969
Ore containing 5 to under 10% Mn	1,062,925	1,257,613	955,977	933,001	1,070,110	939,492	868,150
Ore containing 10 to under 35% Mn	265,162	102,078	89,722	115,530	126,823	23,361	102,919

* A small quantity of hematite is included with magnetite, and a small quantity of magnetite with hematite.

EXPORTS OF IRON ORE

(Domestic Produce)

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	378	434	792	1,053	601	355	585
Sierra Leone	454,660	780,884	603,647	673,685	916,486	966,016	1,142,621
Union of South Africa	16	3	4	(a)	(a)	(a)	(a)
Canada (f)	275,379	688,835	1,022,550	1,562,479	955,604	2,277,053	1,988,817
Newfoundland	583,179	1,006,429	1,250,031	1,258,020	1,731,828	(g)	(g)
Hong Kong	(a)	(a)	(a)	(a)	(a)	48,535	171,718
India	—	—	—	20	—	4,300	55,322
Malaya	—	(a)	3	—	69,539	462,431	520,899
Australia	21	5	4	14	40	1	—
Irish Republic—							
Bog ore	3,931	5,224	2,619	2,141	1,613	(a)	(a)
Burnt pyrites	8,969	16,026	7,996	4,325	15,291	12,489	33,983
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	34,436	2,792	—	57,360
Belgium-Luxemburg E.U.	12,188	485	2,560	22,637	438,022	292,167	101,601
Bulgaria	2,372	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia	(a)	(a)	48,251	15,730	(b) 126,589	(a)	(a)
Finland	—	1	479	—	—	—	—
France	4,879,802	1,643,500	5,344,790	6,493,478	6,210,922	7,120,329	7,425,791
Germany	(d) 851,451	(a)	(a)	(a)	231	5,830	51,259
Greece	(a)	—	12,385	40,458	48,935	21,500	(a)
Italy—							
Iron ore	(a)	(a)	(a)	274	4,402	60	9,181
Burnt iron pyrites	(a)	(a)	(a)	14,169	281,120	309,746	497,295
Norway—							
Iron ore	238,778	42,877	4,938	50,358	180,093	200,312	275,610
Burnt iron pyrites	21,559	1,181	3,891	11,846	23,539	36,505	31,912
Portugal	—	—	1,084	509	10	3	(a)
Spain	519,202	256,625	776,476	718,269	804,418	973,917	921,000
Sweden—							
Iron ore	4,525,783	1,209,510	5,231,688	8,369,916	11,335,971	12,581,280	12,744,488
Burnt iron pyrites	(a)	(a)	60,321	16,079	122,866	17,271	113,314
Switzerland	191,367	11,693	78,667	69,454	122,097	90,861	53,370
Algeria	753,600	1,343,531	1,560,759	1,523,741	2,157,320	2,598,290	2,419,427
Morocco (French)	7,500	6,889	93,500	176,370	200,089	327,000	285,000
Morocco (Spanish)	664,641	703,633	806,723	888,401	(h) 723,652	(h) 645,490	(h) 937,666
Tunis (c)	2,200	1,336	172,477	351,848	739,926	726,943	690,177
Cuba	108	162	(a)	(a)	34,498	10,599	(a)
Mexico	67,660	44,105	9,661	64,347	157,197	170,918	173,187
United States	2,158,740	2,063,125	1,505,771	2,806,844	3,080,666	2,424,775	2,549,704
Brazil	202,548	295,256	63,396	193,630	589,824	664,904	(a)
Chile	—	214,070	1,165,100	1,719,409	2,583,609	2,633,047	2,554,901
China	(e) 1,009,796	(e) 14,763	—	—	192,790	(a)	(a)
Korea (e)	600,000	122,042	(a)	(a)	(a)	(a)	(a)
Manchuria (e)	8,858	4,921	(a)	(a)	(a)	(a)	(a)
Philippine Republic (e) ..	22,637	—	—	—	21,606	(a)	(a)

(a) Information not available.

(b) January to October only.

(c) Including re-exports.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

(e) Imports into Japan from the country indicated during years ended March 31 of that stated.

(f) Including Newfoundland from April 1, 1949.

(g) Included with Canada from April 1, 1949.

(h) Exports via the Port of Melilla.

IMPORTS OF IRON ORE

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	2,172,244	4,068,218	6,594,556	6,797,205	8,674,896	8,692,572	8,319,533
Canada	2,791,651	3,339,167	2,037,212	3,521,919	3,839,431	2,247,531	2,741,560
Trinidad and Tobago ..	50	50	—	—	—	—	—
India	—	—	54	39	1,519	365	207
Australia	—	—	—	—	23	8	16,502
Irish Republic	—	—	65	—	387	—	174
FOREIGN COUNTRIES							
Austria—							
Iron ore	(a)	(a)	(a)	30,263	136,331	268,956	194,666
Burnt pyrites	(a)	(a)	(a)	24,632	277,502	305,344	388,111
Belgium-Luxemburg E.U.	1,563,662	1,816,149	5,889,794	6,676,383	8,602,386	8,947,277	8,162,540
Czechoslovakia—							
Iron ore	(a)	(a)	1,276,875	1,813,924	^b 1,570,635	(a)	(a)
Burnt pyrites	(a)	(a)	(a)	55,506	^(b) 20,297	(a)	(a)
Finland (c)	52,449	35,335	79,837	77,768	149,032	109,219	(a)
France	26,627	49,894	96,714	185,707	251,852	389,533	165,340
Germany	^(d) 8,081,146	(a)	(a)	(a)	2,390,786	4,446,739	4,793,335
Hungary (including burnt pyrites)							
Iron ore	(a)	(a)	122,852	569,514	(a)	(a)	(a)
Burnt pyrites	(a)	(a)	(a)	17,591	25,957	109,433	180,958
Netherlands	(a)	(a)	210,455	477,403	741,352	705,653	799,231
Norway	10,666	4,027	31,177	34,846	37,583	38,656	15,693
Poland	(a)	228,970	964,430	1,181,378	1,590,827	(a)	(a)
Spain	101,360	76,782	105,448	133,623	148,464	220,090	235,000
Sweden	99	3	907	909	498	455	(a)
Switzerland (e)	9,743	36,709	86,227	52,301	69,103	37,378	60,335
Algeria	1,023	10	1,719	4,057	—	—	301
Tunis	—	—	97	787	—	(a)	(a)
United States	456,739	1,193,711	2,746,600	4,889,326	6,066,070	7,394,569	8,215,865
Japan (f)	1,641,656	141,726	—	—	522,798	1,535,453	1,438,206

(a) Information not available.

(b) January to October only.

(c) Total imports.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

(e) Including chrome ore, pyrites, burnt pyrites, etc. (mainly pyrites).

(f) Years ended March 31 of year following that stated for the years 1944 and 1945.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	6,736,500	7,107,400	7,761,200	7,784,600	9,276,400	9,498,500	9,632,900
Southern Rhodesia	—	—	—	—	16,434	27,268	33,453
Union of South Africa	464,100	546,879	551,161	632,053	640,803	697,322	721,339
Canada	1,807,099	1,740,706	1,380,039	1,955,331	2,105,780	2,104,087	2,224,381
India	1,443,200	1,405,042	1,438,054	1,435,396	1,464,623	1,610,822	1,680,481
Australia (b)	(c)1,305,357	1,159,483	932,576	1,186,657	1,258,804	1,060,346	1,111,651
TOTAL	11,760,000	11,959,000	12,064,000	12,994,000	14,763,000	14,998,000	15,404,200
FOREIGN COUNTRIES							
Austria	942,014	99,946	56,950	274,109	603,527	824,517	869,145
Belgium	707,142	722,978	2,126,703	2,776,466	3,874,731	3,683,649	3,634,666
Czechoslovakia	1,559,000	567,000	945,000	1,400,000	(g)1,624,000	1,853,000	2,020,000
Finland	98,783	36,222	75,871	62,147	91,110	99,619	63,259
France	2,847,000	1,178,235	(d)3,389,493	(d)4,808,548	(d)6,454,956	(d)8,213,135	d7,638,292
Germany—							
Western Zones	} 13,158,000	(a)	{ 2,050,511	2,228,200	4,589,360	7,027,400	9,323,263
Russian Zone .. ..								127,000	137,000	179,000	246,000	283,000
Hungary	390,000	43,000	157,800	298,800	(g) 395,000	(g) 420,000	(g) 500,000
Italy	304,263	73,964	201,305	377,877	517,763	437,970	563,827
Luxemburg	1,327,000	313,000	1,343,400	1,789,300	2,852,741	2,334,616	2,459,418
Netherlands	65,900	24,600	184,200	285,600	434,500	427,300	447,049
Norway	121,791	50,190	133,271	162,709	211,328	229,920	216,600
Poland	(a)	(f) 227,000	714,274	853,426	1,112,000	(g)1,223,000	(g)1,368,000
Roumania	(e) 138,513	(e) 53,011	(g) 54,000	(g) 90,000	(g) 188,000	(g) 270,000	(g) 330,000
Saar	(a)	(a)	242,577	642,594	1,116,460	1,557,065	1,657,205
Spain	566,664	481,739	500,022	510,351	528,214	614,204	655,966
Sweden	874,180	772,905	707,975	713,125	790,894	846,174	823,783
Switzerland	31,980	4,000	13,230	14,400	35,000	31,000	33,000
U.S.S.R. (g)	(a)	8,800,000	9,900,000	11,300,000	13,800,000	16,400,000	19,200,000
Yugoslavia (g)	(a)	11,000	83,000	160,000	170,000	190,000	209,000
Mexico	132,504	214,874	277,785	332,201	278,617	350,141	240,430
United States	56,130,534	49,034,847	41,531,095	53,676,178	55,278,178	49,032,844	59,285,992
Brazil	286,617	255,803	364,867	473,333	543,098	500,192	717,519
Chile	5,854	6,739	(a)	11,030	14,210	18,413	107,750
China	13,325	22,200	1,305	(a)	(a)	(a)	(a)
Japan	2,750,000	965,000	208,440	361,153	822,520	1,576,894	2,262,437
Korea	558,888	(a)	(a)	(a)	(a)	(a)	(a)
Manchuria	1,563,000	(a)	(a)	(a)	(a)	(a)	(a)
Turkey	68,693	68,426	76,670	97,464	100,419	114,862	109,462
TOTAL	94,000,000	66,000,000	66,000,000	84,000,000	97,000,000	98,000,000	115,000,000
WORLD'S TOTAL..	106,000,000	78,000,000	78,000,000	97,000,000	111,000,000	113,000,000	130,000,000

* For details see page 139.

- (a) Information not available.
- (b) Years ended June 30 of that stated.
- (c) Excluding direct castings.
- (d) Excluding electric furnace ferro-alloys.
- (e) United States Bureau of Mines.
- (f) February to December only.
- (g) Estimated.

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS IN CERTAIN COUNTRIES

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Hematite	1,009,200	1,076,200	1,121,000	1,116,500	1,366,400	1,437,300	1,476,800
Basic	4,791,600	4,883,700	5,288,300	5,183,300	6,255,500	6,248,200	6,478,000
Foundry	740,300	964,000	1,134,500	1,281,800	1,395,600	1,555,300	1,466,500
Forge	35,400	51,900	65,900	70,300	92,800	87,400	60,500
Castings	500	300	1,400	1,000	2,600	2,300	3,000
Spiegeleisen (b) ..	15,500	26,600	35,300	28,700	31,500	28,800	18,100
Ferro-manganese (b) ..	144,000	104,700	114,800	103,000	132,000	139,200	130,000
Other ferro-alloys (c)—							
Tungsten (d)	2,100	2,700	2,000	3,100	2,600	2,000	1,700
Molybdenum (d) ..	1,200	800	600	1,100	1,200	1,400	1,600
Vanadium (d)	200	200	200	300	300	200	300
Ferro-chrome	8,500	6,500	7,400	6,800	9,700	9,800	9,900
Refined ferro-manganese	3,900	3,600	4,100	3,800	5,300	6,400	6,000
Ferro-phosphorus ..	—	—	500	1,100	1,100	1,100	900
Ferro-silicon	5,000	6,000	6,500	6,300	7,500	5,500	4,600
Canada—							
Basic	1,369,768	1,268,040	989,995	1,417,191	1,555,012	1,598,508	1,574,500
Foundry	128,360	177,004	135,021	209,475	193,077	192,650	206,137
Malleable	156,004	142,410	130,566	125,877	149,893	132,490	281,623
Ferro-alloys	152,967	153,252	124,457	202,788	207,798	180,439	162,121
India—							
Basic	1,129,841	1,108,979	1,083,096	972,434	1,048,487	1,100,286	1,274,069
Foundry	295,162	247,165	263,642	347,219	356,398	427,575	290,451
Direct castings	12,008	40,207	75,705	97,622	51,959	19,478	97,594
Ferro-alloys	6,189	8,691	15,611	18,121	7,779	63,483	18,367
FOREIGN COUNTRIES							
Belgium—							
Basic	614,745	612,402	1,980,804	2,602,246	3,613,740	3,503,699	3,506,605
Forge	26,574	15,777	36,130	174,220	260,991	179,950	128,061
Foundry	64,357	91,403	97,200				
Ferro-alloys	1,466	3,396	12,569				
Finland—							
Pig-iron	97,530	34,464	75,537	61,932	90,321	98,511	63,259
Ferro-alloys	1,253	1,758	334	215	789	1,108	—
France—							
Phosphoric (over 1% P)—							
Basic	2,383,954	880,253	2,695,624	3,754,281	5,072,903	6,582,499	6,178,876
Foundry	98,928	88,043	204,075	291,646	393,018	369,120	281,576
Semi-phosphoric (from 0.12% to 1% P)—							
Foundry	(e) 14,729	20,887	23,687	45,146	129,497	222,228	275,933
Open hearth, basic ..			651	22,790	9,983	13,234	46,332
Hematite (less than 0.12% P)—							
Foundry	58,109	77,463	128,724	173,624	210,082	242,976	218,619
Open hearth	6,889	77,537	229,656	299,608	319,752	337,931	193,401
Bessemer	6,673						
Other pig-iron	142,557	—	(f) 62,053	(f) 109,267	(f) 162,919	(f) 216,615	(f) 171,733
Spiegeleisen	31,993	13,140	(g) 28,792	(g) 78,650	(g) 91,657	(g) 145,520	(g) 164,128
Ferro-manganese	3,776	3,593	(g) 16,231	(g) 33,536	(g) 64,245	(g) 83,012	(g) 107,694
Ferro-silicon	(e) 62,556	11,720	—	—	—	—	—
Other ferro-alloys ..	(e) 3,664	4,599	(h) —	(h) —	(h) —	(h) —	(h) —

(a) Information not available.

(c) Excluded from totals on page 138.

(e) Excluding Alsace-Lorraine.

(g) Excluding electric furnace ferro-alloys.

(b) Blast furnace ferro-alloys.

(d) Metal content.

(f) Including "other ferro-alloys."

(h) Included with "other pig-iron."

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Germany (b)—							
Hematite, etc.	918,000	(a)	84,600	139,566	267,700	425,000	557,000
Basic (including forge) . .	8,884,000	(a)	1,662,000	1,792,000	3,799,000	5,892,000	7,722,000
Foundry	536,000	(a)	243,000	247,000	381,300	511,000	732,000
Forge, etc.	189,000	(a)	60,900	49,600	141,300	199,400	312,000
Special pig-irons and ferro-alloys	2,631,000	(a)					
Italy—							
Pig-iron	227,969	60,960	173,903	312,983	442,267	386,639	495,812
Spiegeleisen	19,661	3,504	11,673	19,066	20,680	17,603	(a)
Ferro-manganese	7,103	1,750	7,603	20,312	17,854	14,720	(a)
Ferro-silicon	25,808	3,598	1,438	9,035	17,550	12,167	(a)
Ferro-silico-manganese . . .	8,383	1,915	2,657	6,201	7,273	2,711	(a)
Ferro-chrome	6,281	1,043	62	1,078	1,226	1,312	(a)
Ferro-titanium	—	13	12	40	61	79	(a)
Ferro-tungsten	—	—	9	91	48	18	(a)
Ferro-vanadium	—	16	—	—	—	8	(a)
Ferro-molybdenum	—	—	9	7	78	132	(a)
Ferro-silico-aluminium . . .	249	—	288	522	322	295	(a)
Other ferro-alloys	8,819	734	3,733	8,542	10,404	2,286	(a)
Luxembourg—							
Basic	(a)	298,000	1,343,400	1,788,300	2,542,462	2,323,304	2,454,030
Foundry	(a)	15,000	—	1,000	40,279	11,312	5,388
Norway—							
Pig-iron	38,021	33,336	71,907	73,424	62,403	60,712	(a)
Ferro-silicon	65,274	15,735	26,030	36,309	43,771	63,592	(a)
Other ferro-alloys	18,496	3,119	35,334	52,976	105,154	105,616	(a)
Poland—							
Open hearth	(a)	(a)	606,795	664,443	(a)	(a)	(a)
Foundry			61,536	136,888	(a)	(a)	(a)
Phosphoric			1,016	(a)	(a)	(a)	(a)
Hematite			21,705	(a)	(a)	(a)	(a)
Spiegeleisen			10,744	(a)	(a)	(a)	(a)
Ferro-alloys			12,478	11,599	(a)	(a)	(a)
Saar—							
Basic	(a)	(a)	226,615	596,422	1,011,933	1,436,680	1,553,123
Foundry—							
Hematite	(a)	(a)	—	1,561	18,127	30,521	17,657
Phosphoric	(a)	(a)	—	34,593	62,097	41,247	52,276
Other pig-iron and ferro-alloys	(a)	(a)	15,962	10,018	24,303	48,617	34,154
Spain—							
Pig-iron	550,238	471,333	483,307	495,355	513,319	599,949	641,829
Ferro-manganese	11,432	6,567	11,822	10,098	9,909	8,799	8,456
Ferro-silicon	4,972	3,803	4,783	4,783	4,878	5,362	5,681
Ferro-tungsten	22	36	110	115	108	94	—
Sweden—							
Open hearth, acid	170,411	158,799	138,972	119,647	131,489	798,141	772,330
do. basic	257,200	237,916	173,622	191,027	206,466		
Bessemer, acid	29,901	15,038	12,419	9,250	13,173		
do. basic	215,389	211,384	173,795	200,372	200,024		
Foundry-hematite	36,525	28,787	43,507	35,223	64,921		
do. phosphoric	87,770	55,158	93,170	101,226	106,753		
do. other	2,094	1,469	2,683	3,784	3,388		
Forge	29,124	30,405	24,462	12,934	15,254		
Castings	11,884	10,376	12,890	13,364	12,893		
Spiegeleisen	4,612	290	579	650	—		
Ferro-manganese	1,897	2,693	3,935	4,878	6,989	129	320
Ferro-silicon	14,047	7,356	8,339	6,259	11,902	10,294	9,322
Ferro-silico-manganese . . .	4,785	4,468	3,734	2,982	3,708	14,186	14,108
						4,489	5,431

(a) Information not available.

(b) Western Germany only from 1946.

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
<i>Sweden—continued</i>							
Ferro-chrome	6,263	7,652	13,252	9,068	10,778	14,648	16,851
Ferro-titanium	53	38	5	42	37	56	53
Ferro-tungsten	148	343	898	1,686	1,482	1,525	1,217
Ferro-molybdenum	26	178	420	329	295	574	578
Ferro-vanadium	93	10	39	91	185	158	133
Other ferro-alloys	192	189	145	26	42	51	83
Metallic silicon etc.	983	167	—	287	1,113	1,910	3,364
Silico-chrome	792	237	1,009	—	—	13	8
Metallic chrome	—	—	—	—	2	—	—
<i>United States—</i>							
Basic	40,969,650	35,595,520	30,113,978	40,004,235	41,352,735	36,522,639	44,454,263
Bessemer	8,711,461	7,370,994	5,296,798	6,412,685	6,903,152	6,303,050	7,223,757
Low phosphorus	423,827	280,413	149,119	295,641	343,237	269,214	381,325
Foundry	1,955,965	2,007,935	2,273,157	2,636,969	2,472,777	2,235,636	2,505,578
Malleable	2,227,374	2,098,282	1,955,612	2,566,743	2,313,086	2,151,282	2,840,217
Other pig-iron	182,651	167,543	192,404	163,113	235,742	207,966	261,742
Ferro - manganese and spiegeleisen	722,891	630,427	482,197	714,933	718,762	602,705	693,643
Ferro-silicon	748,164	730,222	927,804	716,943	752,129	595,823	749,703
Other ferro-alloys	188,551	153,511	140,026	164,916	186,558	144,529	175,764
<i>Japan (b) (c)—</i>							
Pig-iron	2,634,000	945,000	195,260	349,300	795,262	1,524,228	2,197,645
Ferro-chrome	19,682	} 20,468	} 13,180	} 11,853	146	} 52,666	} 64,792
Ferro-manganese	56,285				17,872		
Ferro-molybdenum	310				—		
Ferro-phosphorus	962				541		
Ferro-silicon	30,095				7,320		
Ferro-titanium	280				18		
Ferro-tungsten	1,542				337		
Ferro-vanadium	176	—					
Other ferro-alloys	(a)	—	—	1,015	—	—	

(a) Information not available.

(b) In addition the following metals were produced (long tons) :—

	1944
Metallic manganese ..	2,120
Metallic silicon ..	2,762

(c) The aggregate of these items for the year 1944 does not agree with the total given on page 138 as the break-down of the ferro-alloys was obtained from a different source.

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	12,142,200	11,824,400	12,695,300	12,724,500	14,876,600	15,552,900	16,292,700
Southern Rhodesia ..	—	—	—	—	8,988	19,287	22,838
Union of South Africa (g) ..	475,900	525,400	498,926	588,304	669,375	719,018	743,368
Canada	2,693,002	2,569,578	2,077,932	2,630,315	2,857,572	2,848,551	3,021,546
India	1,368,951	1,353,495	1,293,291	1,255,849	1,255,989	1,352,696	1,437,858
Australia (b)	1,592,935	1,395,065	1,089,237	1,341,601	1,380,195	1,213,627	1,255,050
TOTAL	18,270,000	17,668,000	17,654,000	18,541,000	21,049,000	21,706,000	22,773,400
FOREIGN COUNTRIES							
Austria	979,000	168,528	184,054	350,972	637,943	821,397	928,453
Belgium	623,829	737,328	2,260,299	2,851,140	3,794,899	3,725,517	3,677,693
Czechoslovakia	2,480,000	933,000	1,642,000	2,250,000	(d) 2,608,000	d 2,718,000	d 2,693,000
Finland	84,903	79,134	81,903	61,137	96,703	107,310	100,757
France	3,042,906	1,634,745	4,338,485	5,642,278	7,121,387	9,007,390	8,515,212
Germany—							
Western Zones	} 18,005,000	(a)	{ 2,511,000	3,012,000	5,473,000	9,011,000	11,929,719
Russian Zone .. ..								200,000	250,000	327,000	690,000	1,137,000
Hungary	683,000	126,400	347,300	587,400	750,000	835,000	1,007,000
Italy	1,009,986	388,521	1,135,078	1,676,918	2,091,583	2,023,035	2,325,119
Luxemburg	1,249,000	255,000	1,274,500	1,686,000	2,414,105	2,235,977	2,411,984
Netherlands	59,100	13,000	135,800	204,000	320,000	430,000	482,000
Poland	1,380,000	(c) 493,700	1,200,167	1,554,180	1,924,000	2,267,000	2,470,000
Roumania (f)	(a)	(f) 115,870	155,000	180,000	(d) 335,000	(d) 452,000	(d) 549,000
Saar	(a)	(a)	286,233	696,979	1,208,307	1,729,551	1,868,329
Spain	646,588	566,856	630,259	598,071	614,204	708,263	805,309
Sweden	1,178,526	1,184,440	1,183,773	1,171,897	1,237,066	1,348,735	1,417,703
Switzerland	111,400	106,100	33,500	91,000	118,000	122,000	128,000
U.S.S.R. (d)	(a)	10,800,000	11,800,000	13,100,000	16,800,000	21,000,000	24,600,000
Yugoslavia (d)	(a)	66,000	200,000	305,000	360,000	390,000	410,000
Mexico	178,400	189,000	246,800	316,450	265,298	339,692	215,107
United States (e)	80,037,143	71,162,186	59,466,718	75,798,278	79,143,277	69,623,371	86,460,781
Brazil	215,836	202,683	337,202	380,859	475,455	595,889	767,155
Japan	5,823,000	2,055,000	555,529	926,466	1,686,762	3,062,268	4,771,633
Korea	112,456	(a)	(a)	(a)	(a)	(a)	—
Manchuria (f)	1,390,000	(a)	(a)	(a)	(a)	(a)	—
Turkey	59,820	63,174	78,632	91,100	100,119	101,367	89,351
TOTAL	130,000,000	93,000,000	90,000,000	113,000,000	130,000,000	133,000,000	160,000,000
WORLD'S TOTAL ..	148,000,000	110,700,000	107,700,000	131,600,000	151,000,000	155,000,000	183,000,000

* For details see page 143.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) February to December only.

(d) Estimated.

(e) Excluding steel castings which were produced by companies not manufacturing steel ingots.

(f) U.S. Bureau of Mines.

(g) Excluding steel castings.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS IN CERTAIN COUNTRIES

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ingots and castings—							
Open hearth, acid	1,172,500	1,159,100	1,228,600	1,228,800	1,398,300	1,367,000	1,310,700
do. basic	9,096,400	9,025,700	9,900,600	9,869,900	11,589,300	12,230,000	12,981,200
Bessemer, acid ..	85,400	170,700	209,800	207,900	218,300	226,400	247,800
do. basic ..	708,500	687,000	723,800	678,200	786,200	818,800	845,700
Ingots, electric ..	546,700	361,400	345,000	425,700	526,100	543,700	528,800
Castings, electric ..	248,400	180,600	134,300	150,000	180,800	196,000	207,600
All other ingots and castings ..	284,300	239,900	153,200	164,000	177,600	171,000	170,900
Southern Rhodesia—							
Ingots	—	—	—	—	8,003	18,242	21,678
Castings	—	—	—	—	985	1,045	1,160
Canada—							
Ingots—							
Open hearth, basic ..	2,248,120	2,142,730	1,694,606	2,177,294	2,340,130	2,400,032	2,474,856
do. electric ..	317,834	319,010	315,876	371,616	416,176	363,920	469,848
Castings—							
Open hearth, basic ..	31,279	27,871	21,934	21,518	30,394	25,599	20,123
Bessemer	2,205	842	536	662	353	71	180
Electric	93,564	79,125	44,980	59,225	70,519	58,929	56,539
India—							
Ingots—							
Open hearth, basic ..	1,215,035	1,198,639	1,160,347	1,134,519	1,140,567	1,225,813	1,307,518
do. acid	68,728	63,811	63,420	50,629	44,542	50,126	47,684
Electric	65,402	66,360	52,607	52,730	49,018	53,304	58,614
Castings	19,786	19,685	16,917	17,971	21,862	23,453	24,038
FOREIGN COUNTRIES							
Belgium—							
Ingots, open hearth ..	125,378	157,276	355,722	377,409	(b) 466,600	(b) 431,795	(b) 367,051
do. Bessemer, basic	469,004	542,603	1,835,752	2,368,054	(b) 3,258,399	(b) 3,220,265	(b) 3,249,320
do. electric	5,570	8,809	19,379	42,619	(b) 69,840	(b) 73,457	(b) 61,322
Castings	23,877	28,640	49,446	63,058	(c)	(c)	(c)
France—							
Ingots and castings—							
Bessemer, acid	26,742	32,397	54,264	58,617	70,467	103,660	73,879
do. basic	1,963,293	750,253	2,258,523	3,091,164	4,196,335	5,562,293	5,363,258
Open hearth, acid ..	—	701	—	1,357	—	1,793	—
do. basic	812,802	623,280	1,592,223	1,994,599	2,302,878	2,713,322	2,547,001
Crucible	1,821	3,384	3,246	4,249	4,268	2,649	2,119
Electric	238,249	224,730	430,229	492,292	547,439	623,673	528,955
Of which—							
Ingots	2,978,000	1,513,163	4,196,479	5,480,873	6,929,211	8,742,976	8,288,339
Castings	65,000	121,582	142,006	161,405	192,176	264,414	226,873
Germany (d)—							
Ingots—							
Open hearth	8,338,000	(a)	1,154,000	1,738,000	2,780,000	4,733,000	6,418,000
Bessemer, basic	6,673,000	(a)	1,277,000	1,153,000	2,469,000	3,993,000	4,968,000
Electric	1,488,000	(a)	19,000	46,000	105,000	128,000	214,000
Other	—	(a)	7,000	15,000	25,000	29,000	27,000
Castings—							
Open hearth	390,000	(a)	19,000	25,000	38,000	58,000	138,000
Bessemer	629,000	(a)	21,000	20,000	30,000	33,000	81,000
Electric	488,000	(a)	10,000	13,000	22,000	32,000	73,000
Other	(a)	(a)	4,000	2,000	4,000	5,000	11,000
Italy—							
Ingots	962,758	360,338	1,077,299	1,599,638	2,011,491	1,945,573	2,239,242
Castings	47,228	28,183	57,779	77,280	80,092	77,462	85,877

(a) Information not available.

(b) Including castings.

(c) Included with ingots.

(d) Western Germany only from 1946.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Luxemburg—								
Open hearth	(a)	{	1,000	1,000	267	59	—	
Bessemer, basic			254,000	1,262,700	1,660,400	2,363,930	2,191,107	2,347,441
Electric			1,000	10,800	24,600	49,908	44,811	64,543
Poland—								
Ingots	(a)	(a)	1,180,845	(a)	(a)	(a)	(a)	
Castings	(a)	(a)	19,322	(a)	(a)	(a)	(a)	
Saar—								
Ingots—								
Open hearth	(a)	(a)	82,087	169,684	290,913	416,060	437,206	
Bessemer basic	(a)	(a)	199,109	512,907	882,256	1,267,884	1,385,420	
Electric	(a)	(a)	1,447	8,492	20,510	25,524	23,556	
Castings—								
Open hearth	(a)	(a)	286	658	1,696	2,066	2,430	
Bessemer acid	(a)	(a)	1,518	2,098	3,303	3,280	2,768	
Electric	(a)	(a)	1,786	3,140	9,629	14,737	16,949	
Spain—								
Open hearth and Bessemer	600,905	527,137	572,655	550,557	561,175	657,135	718,479	
Electric	45,683	39,719	57,604	47,514	53,029	51,128	86,830	
Sweden—								
Open hearth, acid	162,525	174,782	182,450	179,081	180,043	203,661	198,884	
do. basic	557,513	527,298	501,062	473,047	486,618	472,946	496,501	
Bessemer, acid	9,157	17,953	21,493	23,567	27,563	27,317	27,857	
do. basic	104,692	109,038	92,362	122,097	117,782	129,654	115,628	
Crucible	81	—	—	—	—	—	—	
Electric	344,559	355,368	386,406	374,105	425,060	515,157	578,833	
United States—								
Ingots—								
Open hearth, acid	890,942	632,123	418,175	482,149	479,494	364,604	425,362	
do. basic	70,600,455	63,389,125	53,624,948	67,984,704	70,178,624	62,221,385	76,429,590	
Bessemer	4,499,931	3,844,035	2,971,194	3,779,056	3,788,547	3,523,800	4,048,712	
Crucible	22	20	} 2,213,450	3,286,177	4,440,724	3,292,033	5,292,419	
Electric	3,689,021	3,019,356						
Castings (b)—								
Open hearth, acid	176,611	144,418	117,238	111,177	78,814	87,801	111,118	
do. basic	85,522	66,122	46,747	59,284	102,494	48,355	54,027	
Electric	94,639	66,987	74,964	95,729	74,580	85,393	99,553	
Japan—								
Open hearth	} 5,823,000	2,055,000	{	474,944	1,141,851	2,463,000	3,838,600	
Electric				393,879	451,522	544,911	599,000	740,400
Korea—								
Ingots	98,305	(a)	(a)	(a)	(a)	(a)	(a)	
Castings	14,151	(a)	(a)	(a)	(a)	(a)	(a)	

(a) Information not available.

(b) Excluding steel castings which were produced by companies not manufacturing steel ingots.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Pig-iron—							
Forge and foundry ..	2,554	1,038	30,757	41,750	1,072	3,459	15,490
Refined	(a)	(a)	(a)	(a)	429	6,401	16,574
Other	6	—	1,352	771	3	21	3,355
Spiegeleisen and ferro-							
manganese	150	31,729	58,636	9,069	3,236	9,267	2,530
Ferro-tungsten	16	159	277	960	1,082	911	1,171
Other ferro-alloys ..	617	1,131	981	795	788	1,034	1,546
Iron and steel ingots ..	—	—	25	23	95	134	84
Blooms, billets and slabs—							
Iron	6	—	12	285	7	18	29
Steel	326	575	3,071	3,240	3,862	2,602	5,856
Special steel	4	7	1,505	144	1,734	210	761
Old and scrap (c) ..	77	207	607	8,072	3,158	1,545	6,310
Southern Rhodesia—							
Pig-iron	—	—	—	—	2,792	4,490	6,135
Union of South Africa—							
Pig-iron, etc.	4,589	5,134	3,465	1,705	881	287	7,996
British West Indies—							
Trinidad and Tobago—							
Old and scrap	—	4	—	109	2,275	4,373	3,000
Canada—							
Pig-iron	5,087	19,512	838	1,317	591	11,166	173,686
Spiegeleisen	3,356	3,004	792	747	645	500	316
Ferro-chrome	(b)	(b)	5,604	27,734	20,103	16,204	29,389
Ferro-manganese	(b)	(b)	29,005	65,554	66,517	31,507	23,724
Ferro-silicon	53,926	56,673	42,161	54,949	55,095	59,310	53,271
Other ferro-alloys ..	36,334	62,754	7,529	9,334	7,083	6,146	2,655
Billets, ingots and blooms	21,287	40,074	70,818	75,920	31,940	60,853	152,196
Old and scrap	60,986	25,410	10,852	2,732	4,655	35,692	55,909
Tinplate scrap	14,248	17,318	22,999	24,961	22,359	19,688	21,483
Hong Kong (including re-							
exports)—							
Pig-iron	(a)	(a)	(a)	(a)	25	42	34
Special steel	(a)	(a)	(a)	(a)	51	347	602
Old and scrap	(a)	(a)	(a)	(a)	27,261	13,647	3,957
India—							
Pig-iron	180,521	67,417	8,367	1,730	39,751	59,016	30,402
Ferro-manganese	703	—	10,900	—	—	—	—
Old and scrap (including							
re-exports)	—	—	—	—	53	962	—
Malaya (including re-							
exports)—							
Pig-iron	(a)	(a)	2	252	3,160	125	93
Scrap	(a)	(a)	444	1,461	53,074	50,531	19,556
Palestine—							
Old and scrap	1	6	(a)	(a)	(a)	(a)	(a)
Australia—							
Pig-iron	11,394	4,827	54,054	103,602	61,311	17,705	11,054
Ferro-alloys	—	—	152	87	113	8	124
Ingots, blooms, billets,							
etc.	12,881	52,360	116,663	44,018	10,583	9,382	3,859
Old and scrap	2,228	30	19,698	10,469	14,445	9,569	—
Irish Republic—							
Old and scrap	878	3,081	20,021	10,001	12,779	10,461	7,569

(a) Information not available.

(b) Included, if any, with "other ferro-alloys."

(c) Excluding ships intended for breaking up as follows (long tons):—1946—9,342; 1947—4,400; 1948—10,528; 1949—12,496; 1950—4,542.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950			
FOREIGN COUNTRIES										
Austria—										
Pig-iron	(a)	(a)	(a)	80,277	220,100	331,344	410,546			
Scrap	(a)	(a)	(a)	71,922	50,560	19,332	2,667			
Belgium-Luxemburg E.U.—										
Pig-iron	} 5	{ (a)	{ (a)	6,848	52,753	21,359	26,357			
Ferro-alloys				(a)	1,112	128	268			
Crude iron ingots				(a)	(a)	} 3,102	12,318	3,051		
Steel ingots				(a)	(a)					
Steel blooms and billets				10,879	(a)	(a)	72,121	193,327	395,014	280,496
Special steel	74	(a)	(a)	1,629	15,890	507	700			
Old and scrap	686	(a)	(a)	(a)	22,036	17,229	32,686			
Czechoslovakia—										
Ferro-alloys	} (a)	(a)	527	344	—	(a)	(a)			
Billets of cast iron			468	—	—	(a)	(a)			
Billets, blooms and bars of puddled iron			} (a)	(a)	2,676	3,991	(b) 2,898	(a)	(a)	
Old and scrap					—	239	(b) 623	(a)	(a)	
Denmark—										
Old and scrap	10,039	15,762	44,436	50,030	61,780	15,375	29,295			
Finland—										
Pig-iron	9,499	3,919	11,202	7,206	11,314	13,200	22,534			
Ferro-alloys	523	—	398	12	—	424	(a)			
Old and scrap	2	20	100	1	8	7	(a)			
France—										
Pig-iron—										
Forged or refined	47,953	535	18,754	12,061	87,570	193,061	284,400			
Spiegelisen	—	—	10	—	1,801	5,984	17,642			
Ferro-manganese	2,135	17	334	951	102	172	34,378			
Ferro-silicon	224	183	905	2,080	} 417	217	177			
Ferro-chrome	10	1	39	37						
Other ferro-alloys	88	217	219	260						
Ingots	1,221	1	218	2,396	2,192	2,177	3,061			
Blooms and billets, forged or rolled	50,710	2,660	2,555	3,764	20,496	158,910	454,956			
Tool steel	22	152	618	1,705	(a)	(a)	(a)			
Machine iron or steel	13,210	6	9,256	13,925	(a)	(a)	(a)			
Other special steel	6,007	108	776	8,522	(a)	(a)	(a)			
Old, filings and scrap	7,615	79	6,982	71,386	58,410	177,529	457,603			
Germany—										
Pig-iron	(d) 105,388	(a)	(a)	(a)	61,888	90,301	466,565			
Ferro-manganese	(d) 5,563	} (a)	(a)	(a)	—	36	510			
Ferro-silicon, etc.	(d) 2,046				18	85				
Other ferro-alloys (c)	(d) 9,030				112	2,056				
Rough blooms, bars, ingots, etc.	(d) 76,144				} (a)	(a)	(a)	4,994	15,676	93,797
Old and scrap	(d) 220,432							548,072	2,432,096	2,545,531
Italy—										
Pig-iron	(a)	—	(a)	1	11	301	1,364			
Ferro-alloys	(a)	—	7	298	2,746	3,514	1,596			
Steel ingots, blooms and sheet bar	(a)	(a)	(a)	135	17	50	—			
Scrap	(a)	(a)	(a)	—	3,316	169	1,147			
Netherlands—										
Pig-iron and ferro-alloys	} (a)	(a)	114,182	160,165	274,947	231,006	252,225			
Ingots, blooms and billets			6,668	7,873	2,446	6,871	14,782			
Old and scrap			13,113	58,919	40,288	25,964	151,967			
Norway—										
Pig-iron—electric	14,863	6,372	43,909	47,214	36,135	19,098	26,095			
Ferro-chrome	5,226	623	4,492	11,486	15,464	14,558	16,152			

(a) Information not available.

(b) January to October only.

(c) May contain some ferro-silicon.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
<i>Norway—continued</i>							
Ferro-manganese ..	1,225	162	13,178	31,761	58,133	52,879	82,178
Ferro-silicon	53,798	12,777	21,109	32,973	34,964	40,329	52,805
Ferro-silico-manganese	7,671	729	2,258	3,817	9,411	8,022	19,182
Other ferro-alloys ..	—	—	—	—	20	47	(a)
Steel ingots	12	4	177	106	9	28	(a)
Old and scrap	114	5,011	23,811	5,915	352	129	1,298
<i>Poland—</i>							
Pig-iron and ferro-alloys	(a)	(a)	(a)	44,662	(a)	(a)	(a)
<i>Portugal—</i>							
Old and scrap	3,309	13,887	18,633	12,301	23,576	14,193	(a)
<i>Spain—</i>							
Pig-iron	2,928	2,872	2,866	5,569	5,388	20,216	647
Iron and steel ingots and blooms	75	28	44	27	1	13	(a)
Old and scrap	5	5	38	5	1	—	(a)
<i>Sweden—</i>							
Pig-iron	10,122	4,256	16,795	16,137	19,544	30,835	68,208
Sponge iron	6,130	203	2,916	2,510	4,670	4,356	8,517
Ferro-manganese ..	—	271	287	1,326	117	725	981
Spiegeleisen	—	—	107	114	—	—	—
Ferro-silicon	5,414	249	779	468	1,134	1,234	5,653
Ferro-silico-manganese	—	380	48	53	20	203	878
Ferro-chrome	—	177	1,952	3,650	271	1,079	4,624
Ferro-tungsten	—	5	288	1,024	704	759	758
Other ferro-alloys ..	—	9	234	289	224	290	442
Steel ingots	—	—	—	—	—	—	19
Steel blooms	98	—	98	148	98	—	137
Tool steel	97	133	420	426	519	325	436
Other special steel ..	543	442	1,227	1,251	1,670	1,924	2,553
Old, filings and scrap ..	32	530	2,279	3,715	3,088	2,975	4,381
<i>Switzerland—</i>							
Ferro-chrome and ferro-silicon	597	2	77	540	1,728	1,569	1,289
Old, filings and scrap ..	—	—	19,218	10,883	3,602	998	30,782
<i>Algeria—</i>							
Old, filings and scrap ..	63	9	114	16,201	19,643	2,413	63,514
<i>Egypt (including re-exports)</i>							
Scrap	—	—	1,029	—	—	—	—
<i>Morocco (French)—</i>							
Old and scrap	988	19	169	4,445	(a)	(a)	(a)
<i>Cuba—</i>							
Old and scrap	11,063	4,525	(a)	(a)	34,636	12,344	(a)
<i>Mexico—</i>							
Ferro-alloys	701	380	22	—	—	(a)	(a)
Ingots	6,992	2,549	15,116	11,315	—	(a)	(a)
<i>United States—</i>							
Pig-iron	144,070	81,221	85,388	35,895	6,279	72,597	6,083
Ferro-manganese and spiegeleisen	715	2,883	9,342	18,280	17,630	5,917	841
Ferro-chrome	475	1,313	2,241	2,751	6,030	1,964	309
Ferro-molybdenum ..	1,966	789	331	425	531	426	526
Ferro-vanadium	532	76	50	80	107	87	37
Ferro-silicon	2,217	972	2,824	992	2,211	2,281	1,771
Ferro-tungsten	1,051	385	81	37	560	277	149
Ferro-titanium	707	664	491	455	429	160	153
Other ferro-alloys ..	165	604	1,291	2,079	47,474	4,791	38,283
Steel ingots, slabs, blooms, billets and sheet bars	988,143	181,916	404,048	438,584	195,840	185,147	53,347

(a) Information not available.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—continued							
Old and scrap	80,874	70,767	121,665	148,675	183,322	262,280	186,406
Tin plate scrap and waste	3,264	12,648	6,831	21,218	29,246	—	562
Brazil—							
Pig-iron	4,175	16,567	22,650	28,999	64,169	11,400	(a)
Ferro-manganese	1,209	2,047	2	—	49	} 800	(a)
Ferro-nickel	53	111	—	15	—		
Ferro-silicon	500	329	6	—	1,019		
Chile—							
Ferro-manganese	21	5	1,841	3,592	4,885	(a)	4,178
Ingots	2,590	1,385	354	3,440	349	(a)	(a)
Colombia—							
Old and scrap	(a)	2,363	(a)	(a)	(a)	(a)	(a)
China—							
Pig-iron	(a)	(a)	1,968	—	(a)	(a)	(a)
Iran (b)—							
Ingots, old and scrap	(a)	(a)	54	2	(a)	(a)	(a)
Japan—							
Ferro-chrome	30	} —	—	—	520	1,252	} 1,319
Ferro-manganese	472						
Ferro-silicon	(a)						
Other ferro-alloys	(a)						
Scrap	(a)	(a)	(a)	(a)	93,665	116,924	(a)
Korea—							
Pig-iron (c)	264,131	31,495	(a)	7,449	(a)	(a)	(a)
Manchuria—							
Pig-iron (c)	301,167	17,715	(a)	(a)	(a)	(a)	(a)
Syria and Lebanon—							
Old and scrap	(a)	4	205	(a)	(a)	(a)	(a)
Turkey—							
Ingots and blocks	3,366	621	4,906	27,031	2,710	738	—
Old and scrap	—	—	—	4,164	2,784	1,130	2,658

(a) Information not available.

(b) Years ended March 20 of the year following that stated. Including re-exports.

(c) Imports into Japan from the country indicated.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC.
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Pig-iron—							
Charcoal	—	12	7	—	3,426	40	411
Forge and foundry ..	—	—	492	1,414	1,483	—	6,269
Hematite	65,122	3,646	—	2,465	37,373	110,827	25,300
Basic	219,896	104,213	18,245	5,874	15,574	148,931	159,454
Other pig-iron ..	—	—	950	1,126	1,500	2,021	3,149
Spiegeleisen and ferro-manganese	84	(c) 25	150	1,685	—	—	485
Ferro-silicon	34,646	32,213	33,144	46,102	58,832	65,148	65,608
Ferro-chrome	11,274	2,999	3,683	20,815	15,773	10,054	12,117
Other ferro-alloys ..	9,569	11,168	7,706	9,581	11,794	9,125	11,246
Iron and steel ingots ..	297,862	36,417	74,809	111,767	19,180	8,188	419
Blooms, billets, slabs—							
Iron	—	—	5	71	37	112	47
Steel	693,533	79,694	299,569	201,224	162,388	299,200	160,751
Special steel—							
Ingots, blooms and billets							
Old and scrap (b) ..	5,784	505	101	2,512	11,816	1,701	152
Anglo-Egyptian Sudan—	31,808	178,287	443,028	378,588	857,621	2,097,162	1,958,310
Pig-iron							
Crude iron and steel ..	6	31	40	—	100	—	(a)
Kenya and Uganda—	716	966	1,902	4,120	3,262	5,358	5,033
Pig-iron							
Ingots, blooms, etc. ..	(a)	(a)	(a)	(a)	379	1,000	300
Mauritius—	(a)	(a)	(a)	(a)	19	—	1
Pig-iron							
Northern Rhodesia—	60	43	21	10	17	20	25
Pig, ingots, etc. ..							
Southern Rhodesia—	308	393	676	199	1,760	4,116	5,484
Pig, ingots, etc. ..							
Tool and drill steel ..	4,843	3,947	2,859	1,710	2,436	1,070	297
South West Africa—	446	431	815	670	651	480	425
Pig-iron							
Tanganyika—	10	—	1	18	46	1	(a)
Pig-iron							
Ferro-alloys	(a)	(a)	(a)	(a)	105	330	189
Ingots, blooms, etc. ..	(a)	(a)	(a)	(a)	(a)	(a)	20
Union of South Africa—	(a)	(a)	(a)	(a)	12	21	2
Pig-iron and steel ingots							
Ferro-silicon	19,836	25,320	1,644	571	630	610	(a)
Ferro-manganese	—	1	234	92	9	171	(a)
Other ferro-alloys ..	—	126	5	1	29	83	(a)
Tool and drill steel ..	52	221	298	300	451	202	(a)
British West Indies—	640	1,384	1,431	1,620	1,336	1,146	2,578
Jamaica—							
Pig-iron							
Trinidad and Tobago—	(£640)	—	—	—	—	—	—
Pig-iron							
Ingots, etc.	3	1	1	—	10	22	6
	2	—	—	—	—	1	3

(a) Information not available.

(b) Excluding ships intended for breaking up as follows :—

Year	Long tons
1944	18,475
1945	2,000
1946	Nil
1947	41,505
1948	75,640
1949	43,886
1950	124,890

(c) Excess of re-exports.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Canada (b) —							
Pig-iron	7,604	6,776	10,826	7,940	6,587	18,331	26,454
Sponge iron	—	4	50	—	—	—	9
Ferro-alloys	873	1,998	2,571	2,611	2,386	2,605	4,228
Ingots, blooms and billets	29,987	36,256	4,645	7,889	46,911	53,633	22,918
Scrap	63,786	52,496	175,137	167,439	281,186	254,353	163,525
Newfoundland (c)—							
Pig-iron and ferro-alloys	292	244	359	70	186	(c)	(c)
Aden—							
Pig-iron	5	—	—	—	—	—	—
Ceylon—							
Pig-iron	648	10	549	1,210	124	1,107	708
Cyprus—							
Pig-iron	2	40	13	52	421	655	1,788
Old and scrap	—	(d) 114	445	300	123	305	(d) 1,075
Hong Kong (total imports)—							
Pig-iron	(a)	(a)	(a)	(a)	419	1,618	1,493
Special steel	(a)	(a)	(a)	(a)	72	124	522
Old and scrap	(a)	(a)	(a)	(a)	9,998	6,474	3,194
India—							
Pig-iron	—	—	—	100	294	23	322
Ingots, blooms and billets	26,894	79,466	10,638	411	321	11,912	70,857
Tool steel	11	22	80	186	51	344	155
Ferro-alloys	2,871	4,955	1,893	918	854	2,100	1,111
Old and scrap	(e) 3,364	(e) 3,096	(e) 8,449	(e) 18,542	(e) 7,241	7,029	11,664
Malaya (total imports)—							
Pig-iron	(a)	(a)	60	1,565	632	726	3,565
Scrap	(a)	(a)	12	52	718	2,466	6,032
Palestine—							
Pig-iron	483	929	1,521	(a)	(a)	(f)	(f)
Old and scrap	13	143	(a)	(a)	(a)	(f)	(f)
Australia—							
Pig-iron	—	—	—	10	400	1,020	12,119
Ferro-manganese	945	786	739	144	59	709	(a)
Other ferro-alloys				329	1,225	896	3,490	486
Ingots and billets of high grade carbon alloy steels	—	—	6	8	6	585	754
Ingots, blooms, billets, etc.	26	20	73	27	79	187	1,172
Scrap	5	94	15	1,216	(d) 228	(d) 1,156	(e) 1,665
New Zealand—							
Pig-iron	12,277	5,853	7,510	7,974	16,237	8,117	14,298
Billets and blooms	2,940	139	774	2,908	7,326	2,394	4,736
Special steel	(a)	206	270	555	331	1,224	1,565
Irish Republic—							
Pig-iron	2,301	1,597	3,264	2,345	3,586	3,989	8,687
Crude forgings and castings	77	143	365	216	220	303	125
Old and scrap	430	89	949	1,635	185	1,747	1,832

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 following that stated. Included with Canada from April 1, 1949.

(d) Excess of re-exports.

(e) Total imports.

(f) See " Israel " under Foreign Countries.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Austria—							
Pig-iron	(a)	(a)	(a)	982	836	2,071	2,411
Ferro-manganese	(a)	(a)	(a)	1,119	1,913	3,379	5,413
Ferro-silicon	(a)	(a)	(a)	496	1,107	2,001	2,717
Other ferro-alloys	(a)	(a)	(a)	1,034	2,640	4,494	6,399
Scrap	(a)	(a)	(a)	129	19,178	42,826	70,438
Belgium-Luxemburg E.U.—							
Pig-iron	21,076	5,303	(a)	69,721	69,293	91,000	82,295
Ferro-alloys	—	(a)	(a)	(a)	84,982	67,876	58,745
Crude iron ingots	83	(a)	(a)	(a)	98	118	90
Steel ingots	15	(a)	(a)	(a)	99	110	1,336
Steel blooms and billets	775	(a)	(a)	(a)	2,759	3,075	1,908
Special steel	702	(a)	(a)	3,270	5,450	5,398	8,845
Old and scrap	828	(a)	(a)	(a)	352,515	325,061	388,790
Bulgaria—							
Pig-iron	2,612	4,949	10,286	(a)	(a)	(a)	(a)
Old and scrap	21	2	149	(a)	(a)	(a)	(a)
Czechoslovakia—							
Pig-iron—							
Foundry	(a)	(a)	3,334	5,136	(b) 49,682	(a)	(a)
For refining or puddling			821	1,615	(b) 266	(a)	(a)
Other ferro-alloys			3,061	12,135	(b) 9,907	(a)	(a)
Ingots			8	—	(b) —	(a)	(a)
Billets, blooms, bars of puddled iron			10	62	(b) 72	(a)	(a)
Old and scrap		298	85,057	(b) 135,968	(a)	(a)	
Denmark—							
Pig-iron	23,557	10,349	40,720	34,404	22,217	36,173	58,145
Ferro-alloys	3,908	247	5,029	9,477	6,988	11,745	3,228
Old and scrap	407	573	417	2,750	2,769	3,050	
Finland (total imports)—							
Pig-iron	1,124	689	2,193	15,366	18,667	23,128	7,788
Billets	1,901	1,489	1,778	10,712	18,619	19,463	(a)
Ferro-manganese and spiegeleisen	888	471	904	1,962	2,836	2,089	(a)
Other ferro-alloys	44	453	159	155	275	729	(a)
Old and scrap	3,083	10,324	11,085	63,331	62,631	33,302	(a)
France—							
Pig-iron—hematite	371	177	16,236	7,416	16,766	10,328	7,860
do. other	205	2	13,377	2,671	671	13	180
Spiegeleisen	22,786	1,928	17,698	67	12,048	2,568	2,406
Ferro-manganese	1,109	1,987	11,930	11,905	244	148	102
Ferro-silicon	1,005	96	1,898	1,500	293	1,647	1,936
Ferro-chrome	355	507	134	832			
Other ferro-alloys	71	4	3	515			
Ingots	2,359	12	1,783	702	1,675	10,339	1,993
Blooms and billets, rolled or forged	1,240	78,114	16,622	45,218	33,172	2,412	23,423
Tool steel	251	37	531	1,172	(a)	(a)	(a)
Machine iron or steel ..	2,437	4,500	18,942	5,000	(a)	(a)	(a)
Other special steel	3,009	827	7,272	9,108	(a)	(a)	(a)
Old, filings and scrap ..	12,739	2,085	21,612	38,320	42,001	14,264	3,501
Germany—							
Pig-iron	(c) 73,712	(a)	(a)	(a)	—	—	11,200
Ferro-manganese	(c) 252				2,365	3,427	1,369
Ferro-silicon, etc.	(c) 35,454				13,849	7,341	8,225
Other ferro-alloys (d) ..	(c) 1,411				5,426	2,004	3,526
Rough blooms, ingots, bars, etc.	(c) 58,933				69	121	8,496
Old and scrap	(c) 32,113		916	4,664	43,524		
Greece—							
Pig-iron	(a)	63	1,779	3,439	6,452	10,307	(a)

(a) Information not available.

(b) January to October only.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(d) May contain some ferro-silicon.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Italy—							
Pig-iron	(a)	(a)	(a)	150,742	130,238	206,811	206,010
Spiegeleisen	(a)	—	—	197	58	—	1,537
Ferro-chrome	(a)	—	116	80	524	1,534	1,924
Ferro-manganese ..	(a)	—	1,066	199	4,820	3,599	1,696
Ferro-molybdenum ..	(a)	—	75	27	61	26	86
Other ferro-alloys ..	(a)	—	—	367	705	371	771
Steel ingots	(a)	(a)	(a)	963	32,000	24,784	61,884
Steel blooms and sheet bar	(a)	(a)	(a)	1,763	2,060	2,514	47,311
Old and scrap	(a)	(a)	(a)	73,460	128,034	383,804	495,083
Netherlands—							
Pig-iron and ferro-alloys	(a)	(a)	2,376	1,649	4,597	7,865	14,820
Ingots, blooms, billets, etc.							
Old and scrap							
			804	737	1,511	1,819	3,502
			6,074	10,521	1,705	1,154	3,181
Norway—							
Pig-iron	6,093	2,129	1,520	1,337	1,533	1,770	(a)
Ferro-tungsten and ferro-							
vanadium	7	5	10	35	56	2	(a)
Other ferro-alloys ..	225	355	57	34	87	6	(a)
Steel ingots	—	—	180	66	102	314	(a)
Alloyed steel	494	381	707	931	1,355	1,455	(a)
Old and scrap	9,137	614	2,568	2,881	4,097	31,918	6,735
Poland—							
Pig-iron	(a)	—	822	52,485	(a)	(a)	(a)
Old and scrap	(a)	—	10,135				
Portugal—							
Iron and steel ingots ..	4,316	4,185	9,408	16,389	15,247	13,248	(a)
Old and scrap	113	342	9,656	1,812	1,162	1,909	(a)
Spain—							
Pig-iron	—	288	127	1	—	228	25
Ferro-manganese	—	5	1	11	36	2	3,476
Other ferro-alloys ..	92	82	403	264	143	591	1,147
Special steel	617	473	839	802	2,108	1,549	(a)
Old and scrap	3,282	22,469	28,664	13,787	33,325	47,105	(a)
Sweden—							
Pig-iron	20,095	17,155	89,625	138,607	98,644	93,597	100,338
Spiegeleisen	—	1,000	6,257	607	—	20	2,387
Ferro-manganese	10	1,952	5,362	583	2,073	1,866	
Ferro-chrome	25	16	725	1,116	2,140	2,255	(a)
Ferro-silicon and ferro-							
silico-manganese	126	380	1,591	737	968	690	(a)
Ferro-tungsten	—	—	20	—	5	24	(a)
Other ferro-alloys ..	77	67	375	559	273	495	(a)
Tool steel	—	—	19	17	16	8	(a)
Old, filings and scrap ..	5,521	19,130	69,797	64,881	93,357	147,463	165,290
Switzerland—							
Pig-iron, steel billets,							
blooms, etc.	38,308	41,828	111,037	109,365	143,043	55,396	85,745
Ferro-chrome and ferro-							
silicon	94	127	2,260	2,769	4,434	1,321	1,280
Old, filings and scrap ..	628	341	8,533	60,916	60,792	53,013	4,950
Algeria—							
Pig-iron	1,784	417	475	1,586	2,546	1,793	(a)
Spiegeleisen and ferro-							
alloys	171	304	99	98	175	241	(a)
Ingots, blooms and billets	56	4	170	224	106	3,309	(a)
Tool and special steel ..	1,233	54	31	225	—	—	(a)
Machine iron and steel ..	(a)	(a)	(a)	2,888	—	—	(a)
Old, filings and scrap ..	332	767	1,214	840	1,173	3,368	(a)

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Egypt—							
Pig-iron and spiegeleisen	751	2,041	377	2,755	1,636	4,543	(a)
Ferro-alloys	1	4	9	11	268	545	(a)
Ingots, billets, etc. ..	91	25	20	12	514	1,190	(a)
Special steel	1,450	635	1,534	586	1,739	1,228	(a)
Scrap (total imports) ..	1,049	423	903	3,755	3,718	4,150	(a)
Madagascar—							
Blooms, billets, etc. ..	(a)	2,309	1,922	3,202	7,213	(a)	(a)
Morocco (French)—							
Pig-iron	535	672	539	1,052	(a)	(a)	(a)
Ferro-alloys	42	41	42	46	(a)	(a)	(a)
Scrap, etc.	2,575	1,518	5,086	6,218	(a)	(a)	(a)
Morocco (Spanish)—							
Ingots	49	21	38	11	(a)	(a)	(a)
Tunis—							
Pig-iron	492	10	51	314	96	127	(a)
Steel ingots and billets ..	5,158	6,401	5,617	7,127	9,116	(a)	(a)
Tool steel	(a)	(a)	(a)	(a)	—	(a)	(a)
Old and scrap	21	1	2	2	(a)	(a)	(a)
Cuba (total imports)—							
Iron ingots	285	1,170	(a)	(a)	106	271	(a)
Mexico—							
Pig-iron	84	298	2	(a)	(a)	(a)	(a)
Ferro-manganese	308	790	474	1,307	1,337	(a)	(a)
Other ferro-alloys	816	1,059	732	915	845	(a)	(a)
Steel ingots, blooms and billets	2,846	1,821	385	(a)	(a)	(a)	(a)
Scrap	13,604	20,771	44,317	(a)	(a)	(a)	(a)
United States—							
Pig-iron	5,159	19,137	12,581	29,129	195,269	89,110	710,683
Spiegeleisen	3,358	2,809	321	—	—	1,553	7,737
Ferro-chrome	1,004	5,742	1,303	9,535	8,052	6,577	19,315
Ferro-manganese	3,749	31,715	28,687	72,596	87,697	58,048	96,691
Ferro-silicon	20,219	20,595	11,248	12,199	6,557	6,641	13,162
Ferro-titanium	—	—	3	45	25	34	116
Sponge iron	—	79	1,194	1,040	2,838	3,099	6,733
Bar-iron, slabs, blooms, etc.	59	5,719	361	223	170	316	345
Steel ingots, blooms, etc. ..	12	1,477	758	1,352	20,790	46,706	161,178
Scrap	97,048	41,313	26,989	32,314	370,600	977,154	621,589
Tin plate scrap	17,323	18,072	24,530	30,797	41,084	41,028	42,394
Argentina—							
Pig-iron	(a)	(a)	(a)	(a)	(a)	86,900	143,000
Ferro-manganese	1,145	2,405	1,677	(a)	(a)	(a)	(a)
Ferro-silicon	1,087	1,077	1,955	(a)	(a)	(a)	(a)
Ingots	17,584	21,999	50,969	148,000	205,000	(a)	(a)
Old and scrap	1,046	702	1,468			(a)	(a)
Brazil (total imports)—							
Pig-iron, etc.	14,156	4,792	7,120	7,855	1,752	(a)	(a)
Ferro-manganese	69	52	16	2	49	(a)	(a)
Ferro-silicon	582	614	982	712	93	(a)	(a)
Special steel	51	222	674	270	221	(a)	(a)
Filings	160	61	44	52	45	(a)	(a)
Chile—							
Ingots	1,773	3,251	970	693	1,116	1,076	305
Ferro-chrome	16	11	22	22	—	(a)	(a)
Ferro-manganese	222	496	201	257	132	(a)	(a)
Ferro-silicon	53	194	47	342	387	(a)	(a)
Old and scrap	103	5,207	1,391	(a)	(a)	(a)	(a)
Colombia—							
Pig-iron	(a)	3,600	795	(a)	(a)	(a)	(a)
Scrap	(a)	90	691	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru—							
Pig-iron	1,742	1,724	1,305	(a)	(a)	(a)	(a)
Ferro-alloys	15	36	42	(a)	(a)	(a)	(a)
Uruguay—							
Pig-iron	2,356	(a)	(a)	(a)	(a)	(a)	(a)
Ferro-manganese and silicon	380	(a)	(a)	(a)	(a)	(a)	(a)
Iran (b)—							
Ingots, etc., old and scrap	—	(a)	3,638	6,278	(a)	(a)	(a)
Israel—							
Pig-iron	(c)	(c)	(c)	(c)	(c)	2,561	2,450
Ferro-alloys	(c)	(c)	(c)	(c)	(c)	9	3
Japan—							
Pig-iron	653,000	54,131	1,968	8,276	10,802	135,844	(a)
Ferro-manganese ..	1,211	—	—	—	—	—	(a)
Ferro-silicon	3,750	—	—	—	—	—	(a)
Steel ingots	95,468	1,972	—	—	—	—	(a)
Old and scrap	73,000	984	—	124	—	—	(a)
Syria and Lebanon—							
Old and scrap	1,221	2,171	651	(c)	(a)	(a)	(a)
Turkey—							
Iron ingots and blocks ..	1,133	—	—	210	—	—	—
Ferro-alloys	—	783	405	79	661	659	413
Steel ingots and blocks	1	1	2	41	1	—	—
Special steel	42	25	310	172	400	600	951
Old and scrap	173	131	8	42	55	16	5

(a) Information not available.

(b) Years ended March 20 of year following that stated. Total imports.

(c) See "Palestine" under British Countries.

LEAD
PRODUCTION OF LEAD ORE
(In terms of metal)
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	3,969	2,866	2,763	3,177	2,394	2,465	3,285
Nigeria	—	—	—	71	269	28	12
Northern Rhodesia (b) ..	1,030	1,720	8,239	15,640	13,020	13,945	13,685
Southern Rhodesia	296	—	—	—	—	81	—
South West Africa	—	—	—	(e) 12,400	33,068	37,785	33,472
Tanganyika	7	—	5	—	—	—	(i) 642
Uganda	—	—	1	5	10	54	30
Union of South Africa	129	183	150	131	160	165	454
Canada (d)	135,974	154,908	158,024	144,346	149,331	} 142,656	151,686
Newfoundland	29,193	24,920	24,816	20,788	19,745		
Burma	(a)	(a)	—	22	(e)	(e)	(e)
India (g)	10	20	200	(a)	430	650	1,040
Australia	189,485	164,741	183,835	196,623	216,955	213,491	219,176
TOTAL (h)	360,000	349,400	378,000	393,000	435,000	411,000	423,000
FOREIGN COUNTRIES							
Austria	(a)	(a)	1,100	1,619	3,427	4,606	4,625
Czechoslovakia (f)	2,100	(a)	(a)	(a)	(a)	(a)	(a)
Finland	229	87	153	185	71	128	140
France	4,134	4,775	8,165	7,377	7,524	9,846	10,817
Germany (j)	100,000	(g) 15,000	15,275	15,693	24,087	40,298	44,230
Greece	420	540	433	921	1,284	1,154	(a)
Italy	4,000	2,300	13,700	23,600	30,000	34,418	37,841
Norway	121	10	26	139	261	296	(a)
Poland	(a)	(a)	(b) 10,743	(b) 12,559	(g) 17,000	(g) 17,000	(a)
Portugal	246	260	369	371	625	734	1,290
Roumania	300	3,310	3,173	3,440	(a)	(a)	(a)
Spain (g)	32,400	27,900	37,200	30,300	29,600	29,369	38,833
Sweden	15,896	19,780	20,844	20,529	23,207	23,523	23,191
U.S.S.R. (smelter) (g)	100,000	100,000	120,000	150,000	153,000	195,000	240,000
Yugoslavia (g)	30,000	20,000	40,000	50,000	50,000	70,000	70,000
Algeria	1,064	560	860	1,120	1,030	1,118	1,379
Belgian Congo	624	—	—	659	394	177	—
French Equatorial Africa ..	2,800	3,027	2,800	2,600	2,560	719	1,785
Morocco (French)	9,847	10,934	10,862	21,060	27,790	36,483	47,452
Morocco (Spanish) (i)	(a)	160	200	55	110	95	220
Tunis	6,053	6,301	8,518	12,224	13,011	14,700	18,961
Guatemala (b)	134	113	129	108	(a)	67	(a)
Honduras	(a)	(a)	(a)	(a)	125	391	275

(a) Information not available.

(b) Smelter.

(c) Including ore sorted from dumps.

(d) Amount estimated as recoverable.

(e) Included under Foreign Countries.

(f) American Bureau of Metal Statistics.

(g) Estimated.

(h) Some lead ore was produced in Hong Kong during the Japanese occupation. There has been no production since.

(i) Exports.

(j) Western Germany only from 1945.

PRODUCTION OF LEAD ORE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Mexico (b)	182,355	202,072	137,930	219,611	190,264	217,277	234,318
United States (b)	372,197	348,956	299,531	343,054	348,639	365,989	384,667
Argentina (estimated) (c)	18,700	18,000	18,000	20,000	21,000	18,000	23,000
Bolivia (exports)	8,904	9,358	8,301	11,131	25,205	25,895	30,684
Chile	(a)	53	(a)	3,311	6,125	2,814	669
Ecuador	400	(a)	366	170	265	372	221
Peru	51,672	52,816	43,815	53,948	47,771	64,325	60,046
Burma	(d)	(d)	(d)	(d)	(e) 35	(a)	77
French Indo-China	30	3	—	—	—	—	—
Iran (estimated)	(a)	(a)	(a)	(a)	(a)	(a)	2,000
Japan	15,800	4,586	4,182	5,738	6,578	8,964	10,677
Korea (smelter)	15,973	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic	(a)	(a)	4	7	71	225	865
TOTAL	975,000	855,000	815,000	1,030,000	1,040,000	1,190,000	1,310,000
WORLD'S TOTAL	1,334,000	1,202,000	1,193,000	1,423,000	1,475,000	1,600,000	1,735,000

- (a) Information not available.
- (b) Amount estimated as recoverable.
- (c) American Bureau of Metal Statistics.
- (d) Included under British Countries.
- (e) Revised.

METAL PRODUCTION OF LEAD

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	3,500	2,700	2,500	2,800	2,200	2,100	3,000
Northern Rhodesia ..	1,030	1,720	8,239	15,640	13,020	13,945	13,685
South West Africa ..	—	—	—	63	80	—	—
Canada	127,305	145,628	147,986	144,643	142,879	130,490	152,111
Burma	—	—	—	—	(i)	(i)	(i)
India	—	—	—	230	625	592	629
Australia (d)	154,547	155,852	149,747	187,985	189,662	184,374	198,593
TOTAL	287,000	305,900	307,800	351,400	348,500	331,500	368,000
FOREIGN COUNTRIES							
Austria (c)	9,963	1,252	4,405	3,511	9,201	9,426	10,734
Belgium (c)	7,000	7,743	24,090	39,880	64,992	78,052	61,113
Czechoslovakia	(a)	(a)	2,989	4,390	5,680	(a)	(a)
France	1,893	2,721	31,494	28,757	34,154	56,632	60,529
Germany (f)	127,000	(a)	17,916	23,971	48,602	119,498	152,971
Greece	600	700	1,109	1,569	3,419	4,019	3,324
Italy	2,190	2,785	13,789	17,266	25,327	28,011	36,877
Poland	15,583	(a)	10,743	12,559	16,607	(b) 17,100	(a)
Portugal	(a)	(a)	256	316	229	(a)	(a)
Roumania	257	3,310	3,173	3,440	(a)	(a)	(a)
Spain	30,482	27,507	29,195	31,617	21,708	32,499	34,759
Sweden	10,387	12,303	11,046	9,083	6,129	10,587	16,417
U.S.S.R. (estimated) ..	100,000	100,000	120,000	150,000	153,000	195,000	240,000
Yugoslavia	(a)	(a)	(a)	(b) 40,000	(b) 50,000	(b) 60,000	(b) 60,000
Tunis	5,250	6,912	7,370	12,391	17,675	19,190	23,170
Guatemala	134	113	129	108	(a)	67	(a)
Mexico	175,454	197,902	165,889	190,489	191,456	225,660	217,362
United States (g)	414,882	395,953	301,874	393,703	357,359	424,877	450,937
Argentina	21,272	20,843	20,682	21,071	21,139	17,752	23,000
Peru	38,851	40,930	37,484	32,961	34,187	36,650	30,788
Burma	(j)	(j)	(j)	(j)	7,400	846	—
China	636	558	(a)	(a)	(a)	(a)	(a)
French Indo-China	50	—	—	—	—	—	—
Japan (h)	31,794	14,350	3,968	6,071	6,862	7,476	9,826
Korea	15,973	(a)	(a)	(a)	(a)	(a)	—
TOTAL	1,020,000	850,000	820,000	1,020,000	1,075,000	1,350,000	1,450,000
WORLD'S TOTAL	1,310,000	1,156,000	1,128,000	1,371,000	1,424,000	1,682,000	1,818,000

(a) Information not available.

(b) Estimated.

(c) Including secondary metal.

(d) Includes lead in base bullion as follows:—

Year	Long tons
1944	—
1945	—
1946	12,288
1947	29,437

Year	Long tons
1948	30,165
1949	32,621
1950	37,021

(e) Included with Germany.

(f) Western Germany only from 1946. Includes some secondary.

(g) In addition the recovery of secondary lead was as follows:—

Year	Long tons
1944	295,907
1945	324,142
1946	350,703
1947	457,116

Year	Long tons
1948	446,492
1949	368,021
1950	430,603

(h) Revised. Figures now refer to primary production only.

(i) Included under Foreign Countries.

(j) Included under British Countries.

EXPORTS OF LEAD, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore	44	14	77	—	2	—	(a)
Pig-lead	428	6,217	814	438	714	770	448
Sheets and pipes	2,940	3,956	1,635	1,240	2,093	1,604	2,428
White lead	2,157	3,314	2,806	1,076	2,921	2,483	4,846
Litharge, red lead, etc.	2,396	6,436	5,239	2,675	5,684	3,276	6,067
Northern Rhodesia—							
Pig, bar and ingot	588	1,965	6,095	13,662	13,189	12,347	12,379
South West Africa—							
Copper-lead-vanadate ores and concentrates (f)	—	—	—	—	67,671	79,440	73,555
Pig-lead	—	—	—	—	80	—	—
Tanganyika—							
Ore	10	—	5	7	—	—	1,093
Union of South Africa—							
Pig, ingot and sheets	6	18	14	108	409	72	(a)
Canada (b)—							
Ore (Pb content)	8,482	6,995	5,363	6,005	5,006	17,760	17,210
Pig-lead, etc.	91,857	95,796	92,955	111,576	92,645	101,369	102,828
Scrap	(a)	(a)	(a)	(a)	(a)	1,702	1,602
Pipes and tubes	(a)	(a)	(a)	(a)	(a)	242	85
White lead	167	351	366	309	1,586	524	926
Newfoundland (c)—							
Concentrates	32,352	39,151	36,518	35,525	37,137	(c)	(c)
Burma—							
Pig-lead and refined lead	(a)	(a)	(d) 1,893	(a)	(a)	(a)	(a)
Hong Kong (including re-exports)	(a)	(a)	63	61	782	692	294
India—							
Pig-lead	5	—	—	—	—	—	—
Malaya (including re-exports)—							
Pig-lead	(a)	(a)	67	2,435	1,844	732	1,602
Sheets and pipes	(a)	(a)	—	1	3	3	8
Australia—							
Ores and concentrates (Pb content) (e)	22,577	33,544	8,965	18,554	41,606	50,204	(a)
Matte (Pb content)	15	—	150	2,001	49	2	1
Pig-lead	171,741	87,590	93,136	141,372	116,744	104,719	125,630
Base bullion							
Scrap	(a)	(a)	(a)	286	4,646	2,536	39
Sheets and pipes	665	216	264	1,248	457	331	434
White lead	396	191	166	229	348	442	623
Irish Republic—							
Ore	31	263	155	100	207	371	502
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Pig-lead	5,397	(a)	(a)	(a)	43,703	47,427	44,887
Scrap							
Sheets, bars, pipes and wire	30	(a)	(a)	(a)	4,230	3,453	6,796
Red and white lead, etc.	37	(a)	(a)	(a)	3,540	3,273	5,029

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 following that stated. Included with Canada from April 1, 1949.

(d) February to September only.

(e) Years ended June 30 of year stated.

(f) For copper and vanadium contents see under appropriate headings. Also includes some zinc.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Bulgaria—							
Ore and concentrates ..	9,173	11,183	9,599	11,135	(a)	(a)	(a)
Pig-lead and scrap ..	—	—	—	(a)	(a)	(a)	(a)
Czechoslovakia—							
Ore	(a)	(a)	—	617	(c) —	(a)	(a)
Pig-lead, ashes, scrap and alloys				5	(c) 303	(a)	(a)
Red and white lead, etc.				60	(c) —	(a)	(a)
Denmark—							
Pig-lead, scrap and alloys	276	17	625	1,091	3,063	3,350	5,903
France—							
Ore, matte and slag ..	201	—	1,047	1,615	114	1,338	2,211
Pig-lead, including argen- tiferous and antimonial	15	51	38	896	1,433	17,085	20,927
Scrap	1,922	—	429	—	40	158	40
Sheets, etc.	—	164	289	383	657	1,374	887
Red and white lead, etc.	—	73	152	322	332	1,018	1,309
Germany—							
Ore	(b) —	(a)	(a)	(a)	1,639	886	10
Pig-lead, alloys and scrap	(b) 4,782					55,995	57,827
Sheets, pipes, wire, etc.	(b) 835					110	1,500
Red and white lead ..	(b) 1,131					5	8,944
Italy—							
Ore	(a)	—	1,378	3,012	6,289	4,362	3,081
Pig-lead, scrap and alloys	(a)	—	994	218	24,551	3,002	692
Netherlands—							
Pig-lead	(a)	(a)	1,444	545	1,421	1,816	1,512
Scrap				491	3,768	2,261	2,239
Sheets and wire				103	529	436	560
Red and white lead ..				27	166	380	742
Norway—							
Ore	320	187	—	196	420	544	(a)
Pig-lead	—	—	201	119	15	105	(a)
Scrap	60	20	608	930	1,598	549	(a)
Portugal—							
Ore	—	—	—	6	198	49	(a)
Pig-lead, etc.	20	3	4	60	15	—	(a)
Red and white lead ..	25	16	11	656	10	(a)	(a)
Spain—							
Ore	1,028	6	31	—	1	—	(a)
Pig-lead and scrap ..	7,512	1,446	1,374	5,247	8,601	2,815	(a)
Sheets, wire, etc. ..	505	336	192	352	424	403	(a)
Sweden—							
Ore	195	14,216	17,444	18,071	23,237	10,536	14,725
Pig-lead and scrap ..	86	1,331	1,674	1,713	546	1,696	3,757
Sheets and pipes ..	—	74	131	1	15	30	31
Red and white lead, etc.	—	105	115	40	133	207	111
Switzerland—							
Ores, etc.	—	—	14	17	162	176	648
Pig-lead, scrap, etc. ..	—	—	—	11	23	143	258
Sheets and pipes ..	—	—	—	154	13	25	2
Yugoslavia—							
Concentrates	(a)	(a)	(a)	(a)	(a)	(a)	5,869
Pig-lead	(a)	(a)	(a)	(a)	(a)	(a)	52,571
Algeria—							
Ore	832	695	185	2,731	2,542	1,344	2,303
Pig-lead	10	329	536	163	95	232	(a)
Scrap				1,147	1,324	1,194	(a)
Red and white lead ..				3	2	—	130	158	—	(a)
Belgian Congo—							
Ore	1	13	10	104	—	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) January to October only.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
French Equatorial Africa—							
Ore	—	6,909	1,292	13,726	10,012	5,285	3,740
Morocco (French)—							
Ore, matte and slag ..	15,875	11,810	22,243	18,897	8,563	55,900	58,000
Scrap, etc.	—	—	292	929	(a)	(a)	(a)
Morocco (Spanish)—							
Ore	413	243	295	80	(a)	(a)	(a)
Tunis (including re-exports)							
Ore	—	—	27	28	6	296	(a)
Pig-lead and bars ..	2,253	5,669	6,337	9,793	13,705	18,600	21,000
Mexico—							
Ores and concentrates ..	6,976	1,454	377	8,352	14,402	20,988	6,322
Pig-lead, refined	160,313	164,472	125,585	170,771	211,982	185,831	257,153
Base bullion	6,194	6,523	37	185	8,770		
Pig-lead, antimonial ..	890	15,951	1,919	5,689	11,009		
Pb content (b)	175,497	179,658	165,207	184,411	176,499		
United States—							
Ore, mattes and base bullion (Pb content) ..	—	—	89	—	8	1,443	119
Pig-lead, bars, etc. ..	13,860	1,256	533	1,351	356	866	2,442
Scrap	—	—	—	—	—	667	1,407
Sheets and pipes	1,003	1,064	867	1,680	849	690	316
Red and white lead, etc.	7,037	7,600	3,969	2,537	2,018	2,766	2,657
Argentina—							
Ore	—	8,366	—	(a)	(a)	(a)	(a)
Ingots, bars and sheets	18	36	1	(a)	(a)	(a)	(a)
Bolivia—							
Ore, etc. (Pb content) ..	8,904	9,358	8,301	11,131	25,205	25,895	30,684
Brazil—							
Ore	—	—	—	(a)	(a)	(a)	(a)
Chile—							
Ores and concentrates ..	—	—	—	10	—	(a)	(a)
Ecuador—							
Concentrates	645	159	367	394	501	287	(a)
Peru—							
Ore and concentrates (Pb content)	10,401	13,149	6,743	12,351	45,623	16,569	28,164
Pig-lead and scrap (Pb content)	56,463	38,452	36,580	25,997			
Iran—							
Ore	(a)	(a)	(a)	(a)	(a)	(a)	3,500
Japan—							
Refined lead	(a)	(a)	14,763	—	—	24	(a)
Sheets and plates	—	—	10,826	4,922	(a)	(a)	6,811
Tubes	(a)	(a)					

(a) Information not available.

(b) Total metal content of all lead products including the above items and not additional.

IMPORTS OF LEAD, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore and concentrates ..	—	—	56	107	219	64	(a)
Pig-lead	224,889	165,360	153,952	197,149	160,903	186,395	171,686
Scrap, incl. alloys ..	(a)	(a)	2,675	1,729	1,053	1,910	2,559
Sheets and pipes ..	—	—	—	1,270	373	—	—
White lead	12	—	—	—	2	—	—
Litharge, red lead, etc. ..	—	—	—	—	—	50	—
Anglo-Egyptian Sudan—							
Unwrought incl. scrap ..	—	11	13	18	15	16	(a)
White lead	—	1	55	145	—	1	(a)
Gold Coast—							
Bars, sheets, etc. ..	96	140	231	380	184	350	514
Kenya and Uganda—							
Bars, sheets, pipes, etc. ..	106	120	31	53	64	26	36
Nigeria—							
Bars and sheets	59	70	27	156	84	169	135
Northern Rhodesia—							
Sheets and foil, etc. ..	1	1	1	1	5	31	59
White lead	—	2	1	—	—	—	5
Sierra Leone—							
Bars and sheets	12	9	3	6	7	5	16
Southern Rhodesia—							
Pig-lead, bars, sheets and foil	215	79	135	159	139	142	242
Red and white lead, etc. ..	88	(a)	38	90	(a)	71	28
South West Africa—							
Bars, sheets and pipes ..	—	4	4	17	16	28	(a)
Red and white lead	—	1	60	8	5	5	(a)
Tanganyika—							
Bars, sheets and pipes, etc. ..	1	2	8	6	18	9	10
Union of South Africa—							
Pig-lead and bars	4,148	7,763	6,230	7,297	11,886	7,120	(a)
Sheets and pipes	189	—	54	129	21	100	(a)
Foil	1	6	1	3	1	2	(a)
Litharge, red and white lead	1,881	1,968	1,139	1,175	1,429	1,022	(a)
British West Indies—							
Jamaica—							
Pig-lead, etc.	(£185)	(£221)	(£228)	58	30	104	56
Trinidad and Tobago—							
Pig-lead	4	14	—	—	(d) 27	(d) 72	14
Red and white lead, etc. ..	37	40	125	75	140	475	61
Canada (b)—							
Pig-lead and scrap	12	24	34	8	68	2,317	1,257
Bars, sheets and pipes ..	6	13	7	7	4	6	17
White lead, red lead and litharge	1,737	1,661	1,126	349	253	304	727
Newfoundland (c)—							
Bars, pipes and sheets ..	79	87	106	103	39	(c)	(c)

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) Excess of re-exports.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Aden—							
Ore	—	—	1	11	—	—	—
Ceylon—							
Pig-lead	15	—	25	11	30	22	19
Sheets and pipes	7	10	152	7	23	6	33
Tea-lead	2,423	1,784	54	—	—	4	—
Cyprus—							
Sheets and pipes	—	4	19	26	6	10	18
Hong Kong (total imports)—							
Bars, sheets, pipes, etc.	(a)	(a)	103	68	596	368	235
India—							
Ore	6	5	75	808	714	6	31
Pig-lead, bars, etc.	1	7,821	4,125	5,111	8,534	6,136	13,754
Sheets, pipes and tubes	14	14,586	554	742	101	430	207
Tea-lead	—	—	—	—	—	—	71
Lead (government stores)	1	420	944	—	—	(a)	(a)
Litharge, red and white lead, etc.	272	17	5	125	5	40	277
Malaya (total imports)—							
Pig-lead	(a)	(a)	232	3	35	198	43
Pipes and sheets	(a)	(a)	23	11	69	46	70
Palestine—							
Pig-lead, sheets, pipes, etc.	280	84	145	(a)	(a)	(b)	(b)
Australia—							
Sheets and pipes, etc.	—	—	—	1	—	5	19
White lead and lead acetate	28	11	24	11	16	16	7
Fiji—							
Pig-lead and sheet	16	33	15	19	10	17	20
New Zealand—							
Pig-lead and bars	3,347	2,221	3,330	2,951	3,781	937	633
Sheets and pipes	216	376	84	159	105	63	126
White lead	649	522	444	102	206	675	361
Irish Republic—							
Pig-lead	1,421	140	116	649	524	844	1,380
Sheets and pipes	160	384	166	770	1,423	587	687
Red and white lead, etc.	232	303	460	320	530	433	427
FOREIGN COUNTRIES							
Austria—							
Ore	(a)	(a)	(a)	3,543	3,366	2,835	2,953
Pig-lead, alloys, etc.	(a)	(a)	(a)	(a)	(a)	3,998	1,620
Belgium-Luxemburg E.U.—							
Ore	795	7,636	28,625	71,319	87,547	97,499	81,754
Pig-lead	} 118	(a)	(a)	(a)	{ 19,450	20,489	32,130
Scrap							
Sheets, bars, pipes and wire	63	(a)	(a)	(a)	2	—	30
Red and white lead, etc.	—	(a)	(a)	(a)	238	442	898
Bulgaria—							
Pig-lead and scrap	1	8	1	} (a)	(a)	(a)	(a)
Tubes, wire, etc.	2	1	—				
Red and white lead, etc.	19	15	9				

(a) Information not available.

(b) See "Israel" under Foreign Countries.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Czechoslovakia—							
Ore			—	3,620	(c) 3,471	(a)	(a)
Pig-lead, ashes, scrap and alloys	(a)	(a)	5,943	19,228	(c) 12,625	(a)	(a)
Sheets, plates, pipes, wire, etc.							
Red and white lead, etc.							
Denmark—			79	171	(c) 13	(a)	(a)
Pig-lead	98	3,485	6,201	4,162	5,959	9,342	15,976
Scrap	187	56	1,630	1,119	3,387	1,361	1,736
Sheets, pipes and wire	1	21	199	93	31	61	28
Red and white lead	304	137	983	429	693	505	1,027
Finland (total imports)—							
Pig-lead	2,307	1,929	2,686	5,300	2,539	4,960	(a)
Scrap	135	—	—	—	1	—	(a)
Sheets, pipes, wire, etc.	157	—	127	732	464	432	(a)
Red and white lead, etc.	340	173	168	777	618	896	(a)
France—							
Ore, matte and slag	69	20,626	42,088	69,975	51,908	27,436	43,414
Pig-lead, including antimonial and antimonial	33	19,516	41,231	50,645	35,906	22,685	29,106
Scrap	2	76	1,110	2,166	3,520	1,706	1,448
Sheets, etc.	5	—	114	255	366	16	8
Red and white lead, etc.	17	233	168	1,096	1,865	476	754
Germany—							
Ore	(b) 13,738	(a)	(a)	(a)	—	2,322	29,173
Pig-lead, scrap and alloys	(b) 16,804						
Sheets, pipes, wire, etc.	(b) 19						
Red and white lead, etc.	(b) 74						
Iceland—			18	(a)	(a)	(a)	(a)
Pig-lead	54	80	23	(a)	(a)	(a)	(a)
Red and white lead	20	41					
Italy—							
Ore	(a)	—	—	—	53	574	1
Pig-lead, scrap and alloys	(a)	246	276	7,654	10,740	10,003	8,768
Sheets, pipes, wire and alloys	(a)	(a)	(a)	(a)	—	—	—
Netherlands—							
Ore	(a)	(a)	58	1,656	2,071	5,273	9,356
Pig-lead							
Scrap							
Sheets and wire							
Red and white lead							
Norway—			20,953	26,000	20,130	36,904	29,221
Pig-lead	217	1,634	5,152	4,101	4,855	5,929	7,193
Bars and sheets	81	230	677	903	672	1,007	1,126
Tubes, wire, etc.	49	129	344	254	330	462	
Red and white lead	20	365	200	570	507	851	657
Portugal—							
Pig-lead, alloys, etc.	1,409	326	2,816	2,404	2,913	(a)	(a)
Red and white lead, etc.	573	497	662	596	462	(a)	(a)
Spain—							
Ore	217	315	295	206	8	—	(a)
Pig-lead and scrap	2	84	74	68	125	130	(a)
Sweden—							
Pig-lead	725	1,369	18,353	17,483	13,458	10,933	11,994
Scrap	102	136	334	635	247	389	(a)
Sheets and pipes	186	95	1,311	2,066	1,100	1,075	(a)
Red and white lead	546	1,677	2,102	2,349	2,478	1,782	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) January to October only.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Switzerland—							
Ores, etc.	7	6	26	1	—	—	1
Pig-lead, etc.	411	1,158	21,015	13,681	14,976	16,082	19,298
Sheets, pipes, wire, etc.	34	142	640	650	369	302	1,008
Red and white lead	32	50	492	180	733	594	829
Algeria—							
Ore, matte and slags	104	81	22	228	26	29	25
Pig-lead, bars, sheets, etc.	2,812	1,643	3,209	4,471	4,441	2,698	(a)
Red and white lead, etc.	81	157	105	128	159	191	(a)
Egypt—							
Pig-lead and scrap	81	54	100	81	81	561	(a)
Sheets, pipes, wire, etc.	43	83	151	436	471	739	(a)
Red and white lead	295	811	514	45	493	417	(a)
Madagascar—							
Pig-lead, bars and sheets	(a)	120	16	21	104	(a)	(a)
Red and white lead	(a)	25	12	12	42	(a)	(a)
Morocco (French)—							
Pig-lead, sheets and wire	128	161	121	205	(a)	(a)	(a)
Mozambique—							
Bars, sheets and wire	24	11	14	33	21	48	38
Tunis—							
Ore, matte and slag	839	156	1,401	1,566	4,938	5,566	(a)
Pig-lead, bars and scrap	403	26	163	30	—	(a)	(a)
Sheets, etc.	14	9	74	—	284	(a)	(a)
Red and white lead, etc.	—	—	—	—	1	(a)	(a)
Cuba (total imports)—							
Pig-lead	37	379	(a)	(a)	310	231	(a)
Sheets, pipes and wire	36	39	(a)	(a)	378	265	(a)
Mexico—							
Pig-lead	20	31	41	26	25	(a)	(a)
Sheets and pipes	147	27	37	449	210	(a)	(a)
Red and white lead	198	158	182	(a)	(a)	(a)	(a)
United States—							
Ore, matte and flue dust (Pb content)	94,012	68,476	25,785	42,540	30,273	109,179	86,206
Bullion and base bullion (Pb content)	66	18	72	1,584	9,785	1,014	1,196
Pig-lead and bars (Pb content)	198,891	198,492	92,931	141,521	218,648	243,248	387,826
Scrap (Pb content)	2,960	2,543	2,267	14,173	25,716	12,505	20,264
Sheets, pipes, wire, etc.	35	16	21	60	161	158	185
Red and white lead, etc.	1	17	73	421	1,382	271	992
Argentina—							
Ore	6,849	6,069	4,742	} (a)	(a)	(a)	(a)
Pig-lead	3	1	2				
Sheets and plates	—	7	—				
Tubes and wire	—	—	1				
Red and white lead	189	536	539				
Brazil (total imports)—							
Pig-lead	10,596	14,321	23,466	12,617	4,676	(a)	(a)
Sheets and pipes	18	53	343	464	220	(a)	(a)
Red and white lead	943	505	366	304	618	(a)	(a)
Chile—							
Pig-lead	642	790	1,928	(a)	(a)	(a)	(a)
Bars and sheets	437	176	250	(a)	(a)	(a)	(a)
Red and white lead	100	114	122	(a)	(a)	(a)	(a)
Colombia—							
Ingots, bars, tubes and alloys	196	548	373	(a)	(a)	(a)	(a)
Red and white lead	47	98	7	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru—							
Pig-lead, sheets, etc. ..	2	14	22	(a)	(a)	(a)	(a)
Red and white lead ..	58	76	63	(a)	5	(a)	(a)
Uruguay—							
Pig-lead	938	(a)	(a)	(a)	(a)	(a)	(a)
Red and white lead, etc.	166	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Pig-lead	(a)	638	187	78	(a)	(a)	(a)
Red and white lead ..	(a)	50	75	84	(a)	(a)	(a)
China—							
Pig-lead	} (a)	(a)	593	1,011	686	(a)	(a)
Scrap			685	(a)	(a)	(a)	(a)
Red and white lead, etc.			250	221	195	(a)	(a)
Iran (total imports) (b)—							
Ingots, sheets and wire	(a)	(a)	565	152	(a)	(a)	(a)
Israel—							
Pig-lead	} (c)	(c)	(c)	(c)	(c)	105	201
Sheets and pipes ..						91	45
Red lead						166	90
Japan—							
Ore	(a)	(a)	(a)	503	(a)	(a)	36
Pig-lead	2,545	179	(a)	(a)	2,480	12,932	(a)
Syria and Lebanon—							
Ingots and sheets ..	13	119	215	} (a)	(a)	(a)	(a)
Pipes	12	15	51				
Red and white lead ..	45	72	180				
Turkey—							
Pig-lead and bars ..	27	899	1,350	886	623	684	2,038
Tubes and wire ..	(a)	51	47	136	23	95	200
Red and white lead ..	142	561	295	214	329	191	682

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) See "Palestine" under British Countries.

MAGNESITE
PRODUCTION OF MAGNESITE
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Dead-burnt (d)	11,300	28,600	34,400	22,300	30,800	42,500	(a)
Kenya—							
Crude	44	14	60	40	—	10	178
Southern Rhodesia—							
Crude	5,044	4,211	3,763	5,238	5,632	7,519	8,479
Tanganyika—							
Crude	—	—	—	—	—	—	82
Union of South Africa—							
Crude	5,347	6,967	6,893	8,282	10,492	10,321	11,596
Canada—							
Calcined Magnesitic Dolomite (b)	£256,018	£287,325	£289,055	£289,723	£393,972	£408,843	£484,663
Cyprus (exports)—							
Crude	142	283	3	30	1	20	20
India—							
Crude	41,936	28,338	44,677	51,536	48,327	90,564	54,947
Australia—							
Crude	31,705	23,082	22,033	36,811	32,442	33,590	35,392
New Zealand—							
Crude	103	111	374	362	540	559	341
FOREIGN COUNTRIES							
Austria—							
Crude	472,974	93,448	95,744	9,622	405,126	519,444	542,070
Caustic (c)	63,318	9,551	20,008	31,044	52,536	76,784	87,940
Dead-burnt (c)	128,352	20,531	33,807	94,379	131,337	176,576	165,960
Bricks (c)	81,392	(a)	26,727	56,859	110,644	107,315	110,405
Greece—							
Crude	930	1,630	715	21,447	11,021	16,820	25,841
Calcined (c)	130	620	—	7,987	2,837	1,996	9,435
Italy—							
Crude	1,466	486	603	1,644	986	(a)	(a)
Norway—							
Crude	1,529	1,717	1,155	1,683	1,712	1,090	(a)
Calcined (c)	500	582	458	647	979	528	(a)
Bricks (c)	279	405	331	209	170	219	(a)
Spain	5,185	7,500	10,594	5,309	9,741	6,585	(a)
Egypt	49	49	—	—	—	—	—
Cuba—							
Crude	41	(a)	(a)	(a)	(a)	(a)	(a)
Mexico (exports)—							
Crude and calcined ..	—	—	4,545	(a)	(a)	(a)	(a)
United States—							
Crude	501,295	300,412	289,860	335,708	(a)	256,531	383,386
Caustic (sales) (c) ..	124,323	38,634	40,338	23,956	29,651	29,022	37,006
Dead-burnt (sales) (c) ..	248,651	227,676	218,595	281,179	294,704	223,562	299,500
Venezuela—							
Crude	689	5,500	2,707	2,933	1,870	—	1,379

(a) Information not available.

(b) Including brucite.

(c) Derived from crude shown, and *not* additional. The United States does, however, include some from other sources, e.g., sea-water, brucite, dolomite, etc.

(d) Magnesia extracted from sea-water.

PRODUCTION OF MAGNESITE (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Korea—							
Crude	155,254	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—							
Crude	784	758	} 98	846	3,353	6,269	443
Calcined	(a)	136					

Magnesite is also produced in Czechoslovakia, Germany, the U.S.S.R., Yugoslavia and Manchuria.

(a) Information not available.

EXPORTS OF MAGNESITE, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Magnesium and alloys ..	8	7	371	104	277	1,126	387
Magnesium compounds	2,916	3,999	9,663	8,834	9,947	8,572	10,469
Southern Rhodesia—							
Crude and calcined ..	4,072	3,851	4,444	4,973	5,552	3,742	2,964
Union of South Africa—							
Crude and calcined ..	—	—	—	54	—	—	255
Canada—							
Basic refractory materials	904	1,384	2,234	4,346	3,890	1,819	2,323
Cyprus—							
Crude	141	283	3	30	1	20	20
India—							
Magnesite	10,471	3,141	6,662	17,025	14,171	37,099	16,466
Chloride	(a)	151	1,921	3,928	2,167	2,905	1,653
Australia—							
Crude and calcined ..	—	—	—	39	354	—	36
Sulphate	(b) 3	(b) 4	50	34	31	—	—
Other compounds ..						317	155
FOREIGN COUNTRIES							
Austria—							
Crude	(a)	(a)	(a)	133	—	78	214
Caustic				7,817	15,037	32,944	(a)
Dead-burnt				30,332	53,379	78,693	69,242
Bricks				44,799	67,490	88,157	93,906
Belgium-Luxemburg E.U.—							
Crude	1				1,040	162	379
Calcined	—	(a)	(a)	(a)	2	24	263
Carbonate	—				14	7	2
Chloride	—				11	137	18
Sulphate	—				144	117	203
Czechoslovakia—							
Crude	(a)	(a)	232	—	(c) —	(a)	(a)
Calcined			8,086	29,894	(c) 32,038	(a)	(a)
Bricks			2,843	8,625	(c) 12,784	(a)	(a)
Chloride, oxide and sulphate			—	10	(c) —	(a)	(a)
France—							
Magnesium	341	—	10	6	2	95	735
Magnesium compounds	411	558	5,110	10,044	10,602	4,303	8,773
Germany—							
Calcined	(d) 12,150	(a)	(a)	(a)	15	20	108
Carbonate, oxide, etc. ..	(d) 449				—	36	428
Chloride	(d) 3,552				774	8,436	12,050
Sulphate	(d) 16,287				4,321	18,570	17,177
Greece—							
Crude	(a)	—	—	42	2,473	787	8,655
Caustic		—	—	3,051	298	78	(a)
Dead-burnt		—	—	310	—	—	(a)
Italy—							
Magnesium metal ..	(a)	(a)	—	1,700	(a)	(a)	(a)
Crude	(a)	(a)	(a)	6	282	14	(e) 34
Netherlands—							
Calcined	(a)	(a)	2,229	7,334	9,456	7,475	18,898

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

(e) Including caustic and dead-burnt.

EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Norway—							
Crude	—	25	9	26	—	38	(a)
Bricks	197	412	274	158	165	149	(a)
Sweden—							
Crude and calcined ..	—	—	45	72	46	28	10
Yugoslavia—							
Crude	(a)	(a)	(a)	(a)	(a)	(a)	661
Ground and dead-burnt	(a)	(a)	(a)	(a)	(a)	(a)	15,820
Cuba—							
Crude	41	—	—	—	—	—	—
Mexico—							
Crude and calcined ..	—	—	4,545	(a)	(a)	(a)	(a)
United States—							
Magnesium metal ..	18,751	588	185	281	245	386	523
Oxide and manufactures	1,131	8,153	15,225	(a)	(a)	(a)	(a)
Bricks, etc.	11,153	8,256	11,832	11,538	8,943	(a)	(a)
Peru—							
Sulphate	639	694	427	423	373	(a)	(a)
Korea—							
Crude and calcined ..	38,524	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—							
Crude	—	—	—	—	1,966	3,149	591
Calcined	26	—	—	—	—	321	—

(a) Information not available.

IMPORTS OF MAGNESITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950															
BRITISH COUNTRIES																						
United Kingdom—																						
Crude and calcined ..	22,514	3,189	1,427	28,961	34,599	28,563	21,648															
Magnesium and alloys ..	20,357	1,084	—	—	—	87	(a)															
Chloride	552	109	898	3,368	7,068	3,738	5,868															
Other salts	—	—	6	(d) 8	461	(d) 1	369															
Union of South Africa—																						
Carbonate and sulphate	5,601	4,669	3,824	4,699	4,996	3,272	(a)															
Chloride	34	16	234	143	294	186	(a)															
Canada—																						
Calcined and dead-burnt	6,956	4,007	4,429	8,338	6,887	4,182	5,337															
Carbonate	286	258	331	488	620	882	1,498															
Sulphate	2,396	2,272	3,092	2,596	2,497	2,485	2,494															
Bricks	(£161,456)	(£68,571)	(£102,200)	(£115,395)	(£107,052)	(£129,434)	(£136,294)															
Other salts	1,230	330	616	378	440	383	549															
India—																						
Chloride	—	—	—	2	1	1	—															
Sulphate	48	21	27	61	1	2	—															
Other salts	433	205	781	300	503	621	252															
Palestine—																						
Sulphate	—	—	184	(a)	(a)	(a)	(a)															
Australia—																						
Crude and calcined ..	(a)	(a)	(b) 28	(b) 32	(b) 93	77	844															
Oxide	141	33	33	22	66	71	86															
Carbonate	159	120	149	152	307	169	228															
Chloride	4	31	21	139	207	149	94															
Sulphate	187	183	300	905	108	103	445															
New Zealand—																						
Sulphate	336	229	369	414	328	290	270															
Irish Republic—																						
Magnesium salts ..	275	221	447	400	348	353	507															
FOREIGN COUNTRIES																						
Austria—																						
Sulphate	(a)	(a)	(a)	3,774	7,457	5,197	798															
Chloride	(a)	(a)	(a)	223	1,307	2,007	2,492															
Belgium-Luxemburg E.U.—																						
Crude	5	(a)	(a)	(a)	1,893	1,845	3,085															
Calcined	628																					
Magnesium	1																					
Carbonate	33																					
Chloride	125																					
Sulphate	311	1,457	1,748	1,697																		
Bulgaria—																						
Crude	32				—	4	(a)	(a)	(a)													
Sulphate	30				15	28	(a)	(a)	(a)													
Czechoslovakia—																						
Calcined	(a)	(a)	437	1,232	(c) 757	(a)	(a)															
Bricks								311	6,601	(c) 2,437	(a)	(a)										
Chloride													255	1,538	(c) 1,461	(a)	(a)					
Oxide, impure																		60	178	(c) 471	(a)	(a)
Sulphate .. .. .																							65	1,587	(c) —	(a)	(a)
Denmark—																						
Crude	824	458	1,134	2,123	2,662	1,311	(a)															
Chloride	734	291	972	1,859	1,857	382	(a)															
Oxide	59	6	172	212	444	334	(a)															
Sulphate	264	149	379	293	447	427	(a)															

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) January to October only.

(d) Excess of re-exports.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Finland (total imports)—							
Magnesite	452	—	701	695	1,357	955	(a)
Calcined	6	3	27	23	12	12	(a)
Carbonate	89	19	46	96	162	298	(a)
Chloride	177	30	317	539	678	767	(a)
Sulphate	65	—	36	109	77	26	(a)
France—							
Crude	2,786	482	2,018	2,987	(a)	(a)	(a)
Calcined	3,040	1,459	1,989	13,269	17,306	16,923	11,843
Magnesium	67	2	55	34	15	—	—
Carbonate	14	5	263	578	303	194	329
Chloride	101	1	1	46	1	—	22
Sulphate	80	69	474	—	—	—	520
Germany—							
Crude	(b) 839	} (a)	(a)	(a)	28,464	48,644	86,820
Caustic	(b) 1,996						
Dead-burnt	(b) 23,706						
Hungary—							
Crude and calcined ..	(a)	(a)	4,425	13,458	(a)	(a)	(a)
Italy—							
Magnesium metal ..	(a)	(a)	—	475	(a)	(a)	(a)
Crude	—	(a)	(a)	2,064	1,971	822	4,274
Netherlands—							
Crude	} (a)	(a)	{ 302	1,183	558	418	819
Calcined				4,306	15,142	12,981	21,406
Sulphate				597	757	5,094	7,860
Norway—							
Calcined	452	327	568	1,278	2,058	1,110	783
Bricks	18	—	—	—	—	—	(a)
Chloride	210	67	809	562	919	869	(a)
Portugal—							
Crude and calcined ..	(a)	79	104	89	87	170	(a)
Carbonate	84	46	75	68	163	74	(a)
Chloride	—	29	27	32	50	49	(a)
Oxide	1	6	5	12	5	13	(a)
Sulphate	326	700	1,018	443	804	698	(a)
Sweden—							
Crude and calcined ..	1,654	1,133	3,174	2,727	2,720	2,616	2,212
Bricks	5,052	1,805	8,260	7,508	10,402	11,192	(a)
Chloride	867	302	1,359	1,493	1,729	1,673	(a)
Switzerland—							
Calcined	1,152	167	—	—	—	—	—
Algeria—							
Calcined	1	14	2	2	8	13	(a)
Belgian Congo—							
Calcined	121	85	(a)	(a)	(a)	(a)	(a)
Sulphate	403	585	(a)	(a)	(a)	(a)	(a)
Egypt—							
Sulphate	14	148	888	343	393	447	(a)
Cuba (total imports)—							
Calcined	45	201	(a)	(a)	7	78	(a)
Carbonate	129	97	(a)	(a)	103	36	(a)
Mexico—							
Crude	1,412	1,153	1,759	2,740	2,285	(a)	(a)
Calcined	12	20	23	(a)	(a)	(a)	(a)
Sulphate	233	210	164	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—							
Magnesium metal ..	24	49	215	180	605	2,286	753
Crude	927	—	1	—	86	—	8
Calcined	499	397	394	470	823	1,324	1,898
Dead-burnt	5,604	4,916	1,673	1,560	2,716	2,206	12,607
Oxide	27	—	45	—	—	—	—
Carbonate, precipitated	135	59	129	122	252	171	209
Chloride	—	1	34	2	5	5	7
Sulphate (incl. Kieserite)	20	—	—	—	—	409	3,187
Argentina—							
Carbonate	77	170	149	} (a)	(a)	(a)	(a)
Chloride	—	—	102				
Oxide	1	6	8				
Sulphate and chlorate ..	—	10	20				
Brazil (total imports)—							
Oxide	91	191	38	55	209	(a)	(a)
Sulphate	267	292	198	401	147	(a)	(a)
Chile—							
Crude	11	95	16	} (a)	(a)	(a)	(a)
Calcined	756	1,065	1,005				
Chloride	2	4	8				
Carbonate, oxide, etc.	2	4	7				
Sulphate	1,105	825	500				
Colombia—							
Calcined	13	24	36	} (a)	(a)	(a)	(a)
Carbonate	(a)	17	4				
Chloride	(a)	1	4				
Sulphate	144	170	71				
Peru—							
Oxide and carbonate ..	21	678	412	(a)	53	(a)	(a)
Salts	48	15	30	(a)	(a)	(a)	(a)
Venezuela—							
Sulphate	—	57	119	114	(a)	(a)	(a)
Japan—							
Crude and calcined ..	(a)	(a)	4,023	4,024	21,726	(a)	19,033
Syria and Lebanon—							
Ground and calcined ..	—	9	—	} (a)	(a)	(a)	(a)
Chloride	8	15	10				
Oxide	2	10	4				
Sulphate	6	71	194				
Turkey—							
Calcined	—	5	—	—	5	12	29
Carbonate, chloride, etc.	21	94	31	26	170	123	209
Oxide	5	14	5	11	6	4	21
Sulphate	1	1	9	90	30	43	197

(a) Information not available.

MANGANESE
PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950	Estimated Manganese Content						
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
Great Britain (b) ..	17,607	11,299	—	588,919	629,973	741,069	711,366	5,300	3,400	398,000	306,000	328,000	380,000	—
Gold Coast (exports) ..	504,458	701,750	765,300	—	3,898	3,975	1,723	262,000	365,000	(a)	(a)	510	463	370,000
Northern Rhodesia ..	5,046	1,954	1,398	—	10	164	—	(a)	(a)	(a)	(a)	(a)	(a)	231
Southern Rhodesia ..	—	—	—	—	—	—	—	—	—	—	—	(a)	(a)	470
South West Africa ..	—	—	—	—	—	—	978	—	—	—	—	—	—	—
Union of South Africa ..	105,196	112,737	234,141	283,662	272,029	644,831	778,449	45,000	47,000	102,000	123,000	119,000	265,000	318,000
Canada (sales) ..	—	—	—	201	3	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Burma ..	(c) 750	(c) 750	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
India ..	370,980	210,583	252,916	451,035	525,876	645,825	901,609	182,000	103,000	124,000	221,000	258,000	317,000	442,000
Malaya ..	(c) 2,500	(c) 2,500	—	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Australia ..	1,970	984	1,385	1,776	3,447	13,087	14,869	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Zealand ..	—	—	402	330	206	305	352	(a)	(a)	197	162	100	(a)	(a)
Papua ..	173	170	44	116	(e) 160	(e) 68	22	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fiji (exports) ..	—	—	—	5	70	100	240	(a)	(a)	(a)	(a)	(a)	(a)	(a)
TOTAL ..	1,009,000	1,042,000	1,256,000	1,326,000	1,436,000	2,038,000	2,409,600	474	428	253	132	79	70	(a)
FOREIGN COUNTRIES														
France ..	1,913	1,963	1,737	871	670	466	(a)	830	—	(a)	—	(a)	(a)	(a)
Greece ..	—	—	15	—	886	148	315	—	—	(a)	—	(a)	(a)	(a)
Hungary (d) ..	20,720	6,500	14,500	32,900	40,000	(a)	—	8,300	2,600	2,000	6,300	7,000	6,800	(a)
Italy ..	23,500	3,200	7,794	26,392	24,299	23,836	15,952	5,800	800	2,450	970	90	170	(a)
Portugal ..	9,065	7,479	5,831	2,405	237	516	758	3,700	3,100	(a)	(a)	(a)	(a)	200
Roumania (d) ..	—	(a)	18,510	45,000	45,000	64,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Spain ..	29,946	24,495	29,125	22,074	18,247	18,356	16,944	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sweden ..	23,893	21,327	13,082	11,164	8,936	15,856	11,660	5,600	5,396	2,309	1,920	1,287	2,401	1,845
U.S.S.R. (estimated) ..	(a)	2,000,000	2,500,000	2,500,000	2,800,000	3,000,000	3,000,000	1,000	(a)	(a)	(a)	(a)	(a)	4,580
Angola ..	1,968	(a)	1,870	690	394	18,300	9,161	1,000	(a)	800	300	200	9,500	8,400
Belgian Congo ..	2,936	(a)	—	8,384	12,563	12,054	16,722	1,400	(a)	—	4,200	6,300	6,027	8,400
Egypt (f) ..	30	46	26	29	58,973	136,380	149,766	10	14	8	9	17,700	41,000	45,000

(g) Years ended June 30 of year following that stated.

(d) U.S. Bureau of Mines.
(e) June to December only.
(f) Ore containing 30% Mn and 30% Fe.

(a) Information not available.
(b) Ore containing 30% Mn and 10% Fe.
(c) Average annual production during Japanese occupation.

PRODUCTION OF MANGANESE ORE (Cont.)

Producing Country	Estimated Manganese Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)														
Morocco (French)	27,112	43,960	57,074	107,688	211,026	230,132	282,828	15,500	16,900	21,400	48,600	103,300	106,430	138,300
Morocco (Spanish)	—	—	—	—	500	643	50	—	—	—	—	220	300	25
Tunis	300	—	—	25	—	—	—	100	—	—	(a)	—	—	(a)
Cuba (b)	253,792	195,112	128,048	47,909	28,613	61,516	(a)	114,000	88,000	58,000	22,000	13,000	28,000	(a)
Mexico	67,000	42,000	26,000	33,000	50,300	53,465	34,725	28,611	18,249	11,163	13,958	23,635	23,396	14,232
United States (c)	221,086	162,803	128,246	117,524	117,054	112,621	120,046	117,500	92,300	75,000	68,900	67,500	63,194	68,446
Argentina	3,105	4,205	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Brazil	233,506	243,937	169,543	166,237	161,412	227,000	(a)	105,000	110,000	76,000	75,000	72,000	(a)	(a)
Chile	71,325	40,940	20,125	20,015	20,174	28,414	33,000	33,100	18,800	9,500	10,400	10,000	(a)	16,394
French Indo-China	(e) 7,000	—	—	—	—	—	(a)	3,400	—	—	—	—	—	(a)
Indonesia	(g) 7,000	(g) 7,000	—	—	—	(a)	(a)	3,500	3,500	—	—	—	(a)	(a)
Japan	7,994,351	7,157,122	7,27,951	32,670	54,081	97,532	e 138,400	129,000	(a)	(a)	(a)	21,300	37,000	52,600
Korea	23,898	33,054	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic	(a)	(a)	(a)	3,270	25,161	25,873	29,395	(a)	(a)	(a)	1,600	12,100	(a)	(a)
Portuguese India	(a)	(a)	(a)	(a)	6,400	d 12,893	d 21,644	(a)	(a)	(a)	(a)	3,100	6,200	10,400
Turkey	1,939	5,015	1,675	4,560	8,195	24,607	31,670	800	1,800	600	1,600	3,000	10,500	12,700
New Caledonia	(c)	(a)	(a)	(a)	(a)	2,070	5,307	(a)	(a)	(a)	(a)	(a)	935	2,550
TOTAL	2,400,000	3,000,000	3,150,000	3,190,000	3,700,000	4,200,000	4,300,000	—	—	—	—	—	—	—
World's Total	3,400,000	4,040,000	4,400,000	4,520,000	5,140,000	6,240,000	6,710,000	—	—	—	—	—	—	—

Manganese ore is also produced in Yugoslavia, China and Iran.

(a) Information not available.

(b) Concentrates.

(c) Shipments. Excluding the following quantities of ore containing 10 to 35% Mn, which are included with iron ore (long tons): 1945—102,078; 1946—89,654; 1947—114,788; 1948—126,823; 1949—23,361; 1950—102,919.

(d) Exports.

(e) Estimated.

(f) Years ended March 31 of that following.

(g) Average annual production during Japanese occupation.

EXPORTS OF MANGANESE ORE, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Metal	27	33	200	191	593	298	386
Ferro-manganese and spiegeleisen	150	31,729	58,636	9,069	3,236	9,267	2,520
Gold Coast—							
Ore	504,458	701,750	765,300	588,919	629,973	741,069	711,366
Union of South Africa—							
Ore	9,948	132,706	316,351	334,695	319,442	677,813	735,572
Canada—							
Spiegeleisen	3,356	3,004	792	747	645	500	316
Ferro-manganese	(a)	(a)	29,005	65,554	66,517	31,507	23,724
Cyprus—							
Ore	5	—	—	—	—	—	—
Hong Kong (re-exports)—							
Ore	(a)	—	15	—	28	12,885	1,015
India—							
Ore (b)	151,621	171,276	479,447	597,677	363,482	613,907	808,221
Ferro-manganese	703	—	10,900	—	—	—	—
Malaya (c)—							
Ore	(d) 394	(a)	(a)	—	—	5	71
Australia—							
Ore	—	116	87	5	5	—	6
Fiji—							
Ore	—	—	—	5	70	100	240
New Zealand—							
Ore	475	—	410	—	488	110	—
FOREIGN COUNTRIES							
France—							
Ore	—	—	799	421	861	1,960	2,918
Manganese dioxide ..	—	—	—	31	19	23	111
Ferro-manganese ..	1,235	17	334	951	102	172	34,378
Germany—							
Ore	(e) 677	(a)	(a)	(a)	—	138	103
Ferro-manganese ..	(e) 5,563	(a)	(a)	(a)	—	36	510
Italy—							
Ore, including mangani- ferrous iron ore ..	(a)	—	—	—	1	72	5
Ferro-manganese ..	(a)	—	—	—	25	597	646
Netherlands—							
Ore	(a)	(a)	233	839	2,134	2,022	2,394
Norway—							
Ferro-manganese ..	1,225	162	13,178	31,761	58,133	52,879	82,178
Ferro-silico-manganese	7,671	729	2,258	3,817	9,411	8,022	19,182
Portugal—							
Ore	3,831	3,869	1,415	3,231	146	2,460	3,270
Spain—							
Ore	130	70	—	—	104	103	—
Sweden—							
Ore	223	11	296	509	335	555	1,020
Ferro-manganese ..	—	271	287	1,326	117	725	981
Spiegeleisen	—	—	107	114	—	—	—
Ferro-silico-manganese	—	380	48	53	20	203	878

(a) Information not available.

(b) Including manganese ore mined in India but exported via the Portugese port of Mormugao as follows:—
1944, Nil; 1945, Nil; 1946, 44,847 tons; 1947, 58,220 tons; 1948, 33,355 tons; 1949, 70,864 tons; 1950,
79,941 tons.

(c) Including re-exports.

(d) Imports into Japan from Malaya.

(e) January to July only.

EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
U.S.S.R.—							
Ore	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Angola—							
Ore	1,870	3,937	—	—	2,657	8,670	12,797
Belgian Congo—							
Ore	4,344	9,948	14,482	10,947	15,601	16,717	14,122
Egypt—							
Ore	64	—	—	(a)	(a)	(a)	(a)
Morocco (French)—							
Ore	2,046	26,936	62,103	95,468	205,010	221,250	263,000
Tunis—							
Ore	—	—	—	241	—	(a)	(a)
Cuba—							
Ore	409,553	277,303	140,619	(a)	29,479	57,323	(a)
Mexico—							
Ore	79,802	39,737	23,021	53,691	56,461	50,946	25,258
<i>Mn content</i>	27,964	18,269	11,163	13,958	23,635	(a)	(a)
United States—							
Ore	4,686	4,770	10,004	7,164	8,245	4,495	8,002
Ferro-manganese and spiegeleisen	715	2,883	9,342	18,280	17,630	5,917	841
Brazil—							
Ore	144,622	240,785	149,793	139,848	139,022	14,700	(a)
Chile—							
Ore	4,022	87,937	166,374	26,208	17,283	10,137	20,403
China—							
Ore	(c) 9,724	(a)	2	—	395	(a)	(a)
Indonesia—							
Ore	(c) 12,681	(a)	(a)	(a)	(a)	(a)	(a)
Japan—							
Ore	(d) 1,000	(a)	(a)	(a)	(a)	(a)	101
Ferro-manganese	177	(a)	(a)	(a)	(a)	(a)	2,496
Silico-manganese	472	(a)	(a)	(a)	(a)	(a)	451
Philippine Republic—							
Ore	(c) 14,457	(a)	(a)	3,700	41,409	21,966	(a)
Portuguese India—							
Ore	—	—	—	99	(a)	12,893	21,644
Turkey—							
Ore	(a)	—	—	30	—	7,517	18,254
New Caledonia—							
Ore	—	—	—	—	—	2,302	(a)

(a) Information not available.

(b) The following countries record an import of ore from U.S.S.R. (long tons):—

	1944	1945	1946	1947	1948	1949	1950
Netherlands	—	(a)	(a)	(a)	517	(a)	(a)
Norway	7,033	—	—	9,881	4,904	15,181	(a)
Sweden	—	—	—	5,890	11,902	15,081	(a)
United States (total imports)	—	135,129	216,000	295,541	381,455	179,829	58,539

(c) Imports into Japan from the country indicated.

(d) U.S. Bureau of Mines estimate.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore (f)	315,251	318,084	200,078	315,377	449,907	470,575	401,628
Metal	—	—	—	—	—	6	40
Ferro-manganese and spiegeleisen	84	(b) 25	150	1,685	—	—	485
Ferro-silico-manganese	8,670	10,887	7,325	9,014	11,057	9,100	10,464
Union of South Africa—							
Ferro-manganese ..	—	126	5	1	29	83	(a)
Manganese dioxide ..	517	558	565	951	573	744	(a)
Canada—							
Ore	76,602	177,033	128,592	199,556	205,623	123,084	121,158
Ferro-manganese ..	77	186	1,007	487	484	1,327	908
Hong Kong (total imports)							
Ore	(a)	(a)	99	90	107	7,574	342
Malaya (total imports)—							
Ore	(a)	(a)	(a)	45	528	180	—
Australia—							
Ore	241	535	453	4,944	1,439	19,780	14,780
Ferro-manganese ..	(a)	(a)	739	144	64	709	(a)
FOREIGN COUNTRIES							
Austria—							
Ore	(a)	(a)	(a)	—	8,346	13,571	7,307
Belgium-Luxemburg E.U.—							
Ore	429	25,258	58,117	78,737	(a)	161,295	45,102
Czechoslovakia—							
Ore	(a)	(a)	4,042	7,783	(d) 70,448	(a)	(a)
Denmark—							
Ore (c)	97	451	1,135	257	896	460	(a)
Finland (total imports)—							
Ferro-manganese and spiegeleisen	888	471	904	1,963	2,836	2,089	(a)
France—							
Ore	30	38,601	88,416	161,176	233,937	267,065	335,173
Ferro-manganese ..	1,109	1,987	11,930	11,905	244	148	102
Manganese dioxide ..	(a)	1,723	—	5,943	—	5	36
Germany—							
Ore	(e) 59,217	(a)	(a)	(a)	2,759	60,624	147,677
Ferro-manganese ..	(e) 252	(a)	(a)	(a)	2,365	3,427	1,369
Italy—							
Ore, including mangani- ferous iron ore ..	(a)	—	7,135	40,840	49,789	46,688	21,851
Spiegeleisen	(a)	—	—	197	58	—	487
Ferro-manganese ..	(a)	—	1,066	232	4,719	2,939	1,696
Ferro-silico-manganese	(a)	—	—	—	101	660	—
Netherlands—							
Ore	(a)	(a)	3,040	18,249	5,052	17,724	8,714
Norway—							
Ore	32,224	10,415	47,294	102,706	132,038	164,083	159,615
Spain—							
Ore	6,551	7,799	855	3,693	—	3,345	2,274
Ferro-manganese ..	—	5	1	11	36	2	(a)

(a) Information not available.

(b) Excess of re-exports.

(c) Chemical grade.

(d) January to October only.

(e) January to July only. Figures for 1948 onwards refer to Western Germany.

(f) Revised to include manganeseiferous iron ore from Egypt previously classified as iron ore.

IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Sweden—							
Ore (chemical grade) ..	684	402	285	732	814	764	(a)
do. (metallurgical grade)	—	3,978	21,271	18,807	14,964	32,525	28,327
Ferro-manganese ..	10	1,952	5,362	583	2,073	1,866	} 2,387
Spiegeleisen	—	1,100	6,257	607	—	20	
Ferro-silico-manganese	126	380	420	399	453	528		(a)
Algeria—							
Ore	—	—	—	79	2	8	30
Mexico—							
Ferro-manganese ..	308	790	474	(a)	(a)	(a)	(a)
United States—							
Ore	1,174,855	1,170,450	1,357,392	1,169,105	1,316,743	1,297,300	1,805,050
Mn content	565,391	565,970	662,485	560,621	627,479	601,470	828,384
Ferro-manganese ..	3,697	31,715	28,687	72,596	87,697	58,048	96,691
Mn content	2,953	24,727	23,132	58,197	70,024	46,577	76,700
Argentina—							
Dioxide and borate of manganese	206	53	481	(a)	(a)	(a)	(a)
Ferro-manganese ..	1,143	2,405	1,677	(a)	(a)	(a)	(a)
Chile—							
Ferro-manganese ..	222	496	201	257	132	(a)	(a)
Japan (total imports)—							
Ore	38,864	(a)	—	—	36,946	(a)	(a)

(a) Information not available.

MERCURY
PRODUCTION OF MERCURY
(Lb.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Southern Rhodesia ..	—	50	—	—	—	—	—
Union of South Africa ..	90,618	64,789	58,093	—	—	—	—
Canada	735,908	—	—	—	—	—	—
Australia	876	245	—	—	—	—	—
New Zealand	6,840	2,294	—	—	—	—	—
FOREIGN COUNTRIES							
Czechoslovakia	(a)	(a)	64,651	(a)	(b) 60,000	(b) 60,000	(a)
Germany	(a)	(a)	(a)	(a)	(a)	(a)	—
Italy	2,180,000	1,962,000	3,862,000	4,096,000	2,906,000	3,384,000	4,054,000
Sweden	1,625	110	—	—	—	—	—
Spain	2,610,000	3,093,000	3,177,000	4,225,985	1,723,433	2,454,058	3,801,900
Algeria	12,570	25,404	25,860	25,800	28,990	7,776	—
Mexico	1,980,788	1,250,021	886,282	735,945	363,015	412,639	285,505
United States	2,864,288	2,337,988	1,926,448	1,766,544	1,093,488	754,680	344,660
Bolivia (exports)	181	214	—	—	99	—	—
Chile	89,761	65,491	59,569	39,143	35,510	57,300	24,250
Peru	11,023	15,803	381	—	—	—	—
China	231,000	152,000	(a)	(a)	(a)	(a)	(a)
Japan	539,300	236,500	104,300	123,113	128,351	187,031	99,689
Turkey	7,372	12,008	—	7,448	2,052	(a)	(a)
WORLD'S TOTAL (b) ..	12,000,000	10,000,000	11,500,000	12,200,000	7,700,000	8,700,000	10,200,000

Mercury is also produced in the U.S.S.R. and Yugoslavia; an allowance has been made for this in the total.

(a) Information not available.

(b) Estimated.

EXPORTS OF MERCURY, ETC.

(Domestic Produce)

(Lb.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Mercury	483	1,818	45,778	6,168	14,133	18,571	107,095
Bichloride	(a)	(a)	122,792	9,223	36,808	20,244	51,866
Union of South Africa—							
Mercury	34,050	82,350	25,575	(a)	(a)	(a)	(a)
Canada—							
Mercury	(a)	(a)	57,005	17,084	175	8	8,100
Hong Kong (re-exports)—							
Mercury	(a)	(a)	9,576	33,333	7,144	56,392	10,108
Malaya (b)—							
Mercury	(a)	(a)	46,701	6,171	271	2,145	169
Sarawak—							
Mercury	(a)	(a)	(c) 230	—	—	(a)	(a)
Australia—							
Mercury	—	1	125	5,923	8,133	988	559
New Zealand—							
Mercury	6,852	150	—	—	—	—	—
FOREIGN COUNTRIES							
Belgium-Luxemburg E. U.—							
Mercury	} (a)	(a)	—	(a)	{ 6,614 72,753 11,022	4,409 15,432 —	41,987 15,432 —
Sulphide of Mercury							
Mercury salts							
Czechoslovakia—							
Mercury	(a)	(a)	—	—	(d) 45,636	(a)	(a)
France—							
Mercury	—	221	3,547	8,818	(a)	(a)	(a)
Mercury salts	—	—	—	3,086	(a)	(a)	(a)
Germany—							
Cinnabar	(e) 2,200	} (a)	(a)	(a)	—	{ 5,291 1,543 14,110	661 39,463 71,641
Mercury and amalgam							
Mercury salts							
Italy—							
Mercury	1,124,357	—	1,984,160	1,274,051	2,406,125	642,868	6,262,892
Spain—							
Mercury	804,467	2,634,590	867,739	1,311,089	5,696,744	2,101,005	7,562,736
Mercury salts	187	51	190	55	20,128	5,787	(a)
Sweden—							
Mercury	115	1,455	465	300	476	549	17,637
Switzerland—							
Mercury	—	2	1,195	163	196	326	192
Yugoslavia—							
Mercury	(a)	(a)	(a)	(f)	(f)	(f)	1,053,809
Algeria—							
Mercury	1,764	38,360	34,392	30,644	9,259	—	(a)
Mexico—							
Mercury	1,574,887	1,172,766	844,683	945,413	363,139	493,297	376,161
United States—							
Mercury	57,007	78,877	68,932	67,148	59,713	43,860	33,977
Chloride	62,167	57,005	} (a)	(a)	(a)	(a)	(a)
Fulminate	26,190	506					
Oxide	13,054	26,950					
Other salts	10,614	35,746					

(a) Information not available.

(b) Including re-exports.

(c) April 15 to December 31 only.

(d) January to October.

(e) January to July only. Figures for 1948 onwards refer to Western Germany.

(f) Figures of exports are not available but imports into the following countries from Yugoslavia are recorded :—
United States—106,400 lbs. in 1947; 95,488 lbs. in 1948 and 241,371 lbs. in 1949; Czechoslovakia—110,231 lbs. in 1947 and 53,351 lbs. in 1948 (Jan.—Oct.).

EXPORTS OF MERCURY, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Bolivia—							
Mercury	185	214	—	—	99	(a)	(a)
Chile—							
Mercury	84,153	74,565	68,423	26,956	4,484	(a)	(a)
Peru—							
Mercury	11,585	15,803	381	—	(a)	(a)	(a)
Japan—							
Mercury	49,192	11,231	—	187,393	782,641	(a)	(a)
Turkey—							
Mercury	—	3,269	2,696	—	—	(a)	(a)

(a) Information not available.

IMPORTS OF MERCURY, ETC.
(Less Re-exports)
(Lb.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950				
BRITISH COUNTRIES											
United Kingdom—											
Mercury	(g) 4,465	105,061	128,642	1,777,583	1,784,538	1,133,854	3,031,024				
Anglo-Egyptian Sudan—											
Mercury	(a)	(a)	(a)	(a)	150	43	(a)				
Southern Rhodesia—											
Mercury	11,156	52	2,525	24,278	14,799	14,477	20,051				
Tanganyika—											
Mercury	—	516	605	438	3,100	(a)	(a)				
Union of South Africa—											
Mercury	3,396	1,977	19,711	27,985	58,960	51,388	(a)				
Canada (b)—											
Mercury	35,428	27,101	152,719	412,649	803,878	277,927	614,005				
Mercury salts	(£327)	(£2,415)	(£696)	(£2,161)	(£1,072)	(£222)	(£1,436)				
Newfoundland (c)—											
Mercury	136	522	64	132	198	(c)	(c)				
British Guiana—											
Mercury	154	75	1,060	1,939	632	650	936				
Burma—											
Mercury	(a)	(a)	(d) 560	(a)	(a)	(a)	(a)				
Hong Kong (total imports)—											
Mercury	(a)	(a)	56,700	120,000	396,644	133,456	91,960				
India—											
Mercury	181,457	186,904	412,678	347,770	686,126	280,160	2,412,291				
Malaya (total imports)—											
Mercury	(a)	(a)	306	512	1,447	845	4,061				
Australia—											
Mercury	33,515	32,554	7,433	25,009	93,266	44,650	61,855				
Mercury salts	38,321	28,414	36,648	8,830	38,655	86,482	191,589				
New Zealand—											
Mercury	1,276	—	85	1,257	2,495	943	2,529				
FOREIGN COUNTRIES											
Austria—											
Mercury	(a)	(a)	(a)	17,196	12,346	22,928	40,124				
Mercury salts	(a)	(a)	(a)	2,646	441	—	—				
Belgium-Luxemburg E.U.—											
Mercury	(a)	}	(a)	(a)	{	127,868	94,799	218,258			
Sulphide of mercury	—								24,251	2,205	4,409
Mercury salts	143,500								39,666	4,409	4,409
Bulgaria—											
Mercury	392	7,402	4,852	(a)	(a)	(a)	(a)				
Czechoslovakia—											
Mercury	(a)	(a)	661	224,651	(f) 53,352	(a)	(a)				
Denmark—											
Mercury	1,500	4,409	13,448	14,771	26,235	20,503	(a)				
Finland (total imports)—											
Mercury and amalgam	41,526	40	4,319	55,971	9,345	66,892	(a)				
France—											
Mercury	9,105	369,936	515,882	560,195	(a)	(a)	(a)				
Mercury salts	309	2	50,927	14,110	(a)	(a)	(a)				
Germany—											
Cinnabar	(e) —	}	(a)	(a)	432,955	{	441	—			
Mercury and amalgam	(e) 1,888,700								254,193	720,912	
Mercury salts	(e) 200								—	110	
Netherlands—											
Mercury and amalgam	(a)	(a)	123,459	70,548	112,436	125,663	121,254				
Norway—											
Mercury	183	3,598	177,148	43,600	4,445	35,364	(a)				
Portugal—											
Mercury	12,822	26,336	36,612	29,008	6,146	14,399	(a)				
Mercury salts	2,037	3,199	6,113	9,509	9,121	8,142	(a)				

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) February to September only.

(e) January to July only.

(f) January to October only.

(g) Excess of re-exports.

IMPORTS OF MERCURY, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Sweden—							
Mercury	32,631	131,407	525,690	227,901	279,667	57,818	(a)
Switzerland—							
Mercury	10,587	10,818	192,338	64,653	101,832	55,065	(a)
Algeria—							
Mercury	—	—	—	—	3,968	—	(a)
Mercury salts	286	22	44	—	—	—	(a)
Angola—							
Mercury	35	18	108	54	(a)	(a)	(a)
Egypt—							
Mercury	399	174	1,023	2,873	558	1,537	(a)
Morocco (French)—							
Mercury	1,543	—	331	386	152	(a)	(a)
Mozambique—							
Mercury	9	11	236	368	152	79	179
Tunis—							
Mercury	—	—	—	220	441	(a)	(a)
Costa Rica—							
Mercury	946	677	3,589	1,801	(a)	(a)	(a)
Cuba (total imports)—							
Mercury	1,188	4,191	(a)	(a)	16,140	3,710	(a)
Mexico—							
Mercury	710	1,186	988	(a)	(a)	(a)	(a)
Mercury salts	1,530	917	3,971	(a)	(a)	(a)	(a)
United States—							
Mercury	1,476,426	5,086,247	1,055,956	749,618	2,428,248	7,838,705	4,262,056
Mercury salts	—	336	26	(a)	—	44,519	26,023
Argentina—							
Mercury	58,070	22,555	60,528	(a)	(a)	(a)	(a)
Mercury salts	2,161	7,875	8,389	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Mercury	59,082	30,053	76,478	23,459	102,268	(a)	(a)
Chile—							
Mercury	545	205	—	659	417	(a)	(a)
Mercury salts	2,628	2,284	2,901	(a)	(a)	(a)	(a)
Colombia—							
Mercury	6,821	(a)	9,083	(a)	(a)	(a)	(a)
Mercury salts	(a)	(a)	3,545	(a)	(a)	(a)	(a)
Dutch Guiana—							
Mercury	(a)	(a)	160	(a)	(a)	(a)	(a)
Peru—							
Mercury	110	165	183	(a)	692	(a)	(a)
Mercury salts	1,362	430	1,493	(a)	271	(a)	(a)
Uruguay—							
Mercury	66	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Mercury	(a)	9,533	14,279	134,890	(a)	(a)	(a)
Mercury salts	(a)	(a)	9,623	9,228	(a)	(a)	(a)
China—							
Vermilion	(a)	(a)	(b) 15,584	(b) 83,121	(a)	(a)	(a)
Iran (total imports) (c)—							
Mercury	(a)	(a)	16,248	2,928	(a)	(a)	(a)
Japan—							
Mercury	26,955	225	(a)	(a)	(a)	(a)	(a)
Philippine Republic—							
Mercury	(a)	547	12,809	(a)	(a)	(a)	(a)
Syria and Lebanon—							
Mercury	—	44	3,505	(a)	(a)	(a)	(a)
Turkey—							
Mercury	141	353	509	692	509	353	692
Mercury salts	1,658	1,852	3,128	10,055	1,404	604	1,274

(a) Information not available.

(c) Years ended March 20 of year following that stated.

(b) Including artificial vermilion.

MICA
PRODUCTION OF MICA
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950					
BRITISH COUNTRIES												
Kenya	—	—	—	—	—	4	1					
Northern Rhodesia—												
Sheet	15	5	(5 cwt.)	—	—	3	2					
Waste	1	2	(6 cwt.)	—	—	—	—					
Southern Rhodesia—												
Block	} 246	193	330	} 285	270	85	} 402					
Waste								6	17	213		
South West Africa (waste)	—	—	—	—	—	—	58					
Tanganyika—												
Block and sheet	131	107	70	88	66	55	50					
Ground	—	—	—	5	3	36	59					
Waste	—	150	265	—	—	—	25					
Uganda	(b) 12	7	—	—	1	2	(7 cwt.)					
Union of South Africa—												
Sheet	1	1	1	1	1	1	13					
Waste	1,244	1,112	1,756	1,977	1,339	1,048	1,336					
Canada (sales)—												
Rough mine-run or rifted	140	5	309	110	10	4	} 1,608					
Trammed	230	30	14	11	33	21						
Splittings	20	2	6	—	8	4						
Sold for mechanical split-												
tings	191	147	114	130	142	4						
Ground	} 2,402	} 783	1,186	1,865	1,673	828	} 1,608					
Scrap								2,178	2,265	1,598	1,659	678
Upgraded								—	—	—	3	19
By varieties—												
Phlogopite	2,861	2,542	3,172	2,907	3,304	1,280	(a)					
Muscovite	123	603	722	807	224	277	(a)					
Ceylon (exports)	2	1	(8 cwt.)	(4 cwt.)	—	—	—					
India (exports)—												
Blocks	1,271	1,206	1,350	710	679	417	748					
Splittings	2,341	3,253	6,566	7,305	10,196	9,017	11,646					
Scrap	(1 cwt.)	323	2,586	1,565	7,273	4,098	3,279					
Australia (c)—												
Crude and scrap	12	54	36	10	19	(34 lb.)	(a)					
Cut	25	31	23	41	40	29	30					
New Zealand	(3 cwt.)	(8 cwt.)	—	—	—	—	—					
FOREIGN COUNTRIES												
Austria	161	64	38	77	89	249	362					
France	1	—	—	—	—	—	—					
Italy	15	41	13	17	23	(a)	(a)					
Norway	473	133	64	183	151	326	(a)					
Portugal	2,465	—	—	3	—	—	—					
Spain	235	18	4	12	11	9	12					
Sweden—												
Block	174	108	—	111	14	11	(a)					
Ground	156	16	68	41	49	49	(a)					
Angola—												
Sheet	} 4	15	} 6	4	10	12	} 15					
Waste and splittings								25	84	96	43	
Eritrea	(a)	(a)	(a)	(a)	(13 cwt.)	(8 cwt.)	1					
Madagascar—												
Phlogopite (block)	484	602	459	444	499	944	789					
Muscovite	—	8	2	—	—	—	—					
Morocco (French)	(a)	(a)	(a)	(a)	142	53	81					
Mozambique	4	2	2	1	—	101	(a)					
Mexico (exports)	109	402	80	268	27	(a)	(a)					

Mica is also produced in Roumania and the U.S.S.R.

(a) Information not available.

(b) Exports.

(c) The following amounts of Damourite were also produced (long tons): 1944—105; 1945—94; 1946—203; 1947—314; 1948—362; 1949—692; 1950—696.

PRODUCTION OF MICA (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
<i>FOREIGN COUNTRIES (Cont.)</i>							
<i>United States (sales)—</i>							
Sheet (uncut)	680	580	482	186	121	229	258
Scrap (b)	46,185	36,661	47,859	44,462	46,569	29,336	61,929
<i>Argentina—</i>							
Sheet	447	698	(a)	(a)	(a)	(a)	(a)
Waste	138	10	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)	2	—	—	—	—	—	—
Brazil	1,198	1,000	1,613	1,207	1,868	1,342	(a)
Peru	118	483	204	2	(a)	(a)	(a)
Korea	415	93	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Including mica recovered from kaolin and mica schists.

EXPORTS OF MICA

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Splittings, ground and waste	18	50	128	275	294	487	479
Southern Rhodesia	199	207	326	284	312	443	513
Tanganyika—							
Block and sheet	125	97	72	70	} 80	61	56
Ground and waste	—	150	315	5			
Uganda	12	7	—	—	1	1	—
Union of South Africa (c)	421	1,047	2,675	2,238	1,287	892	1,210
Canada—							
Rough cobbled and thumb trimmed	553	388	313	213	162	79	104
Splittings	34	2	4	2	5	13	—
Ground	268	157	201	80	947	192	250
Scrap and waste	2,178	2,167	1,741	1,143	892	303	528
India—							
Blocks	1,271	1,206	1,350	710	679	417	748
Splittings	2,341	3,253	6,566	7,305	10,196	9,023	11,646
Scrap	(1 cwt.)	323	2,586	1,565	7,273	4,098	3,279
Ceylon	2	1	(8 cwt.)	(4 cwt.)	—	—	—
Australia—							
Slabs (£ Australian) ..	(£15,573)	£1,187	(£6,801)	(£16,686)	(£13,487)	2	1
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	1	93	431	78
Belgium-Luxemburg E.U.—							
Sheets and plates	—	(a)	(a)	(a)	20	43	15
Bulgaria	100	—	—	(a)	(a)	(a)	(a)
France—							
Unmanufactured	—	—	37	5	42	76	83
Sheet, plate and manufactures	1	2	6	11	30	11	27
Germany—							
Unmanufactured	(b) 2	(a)	(a)	(a)	—	—	—
Netherlands	(a)	(a)	1	2	7	6	6
Norway—							
Sheet	584	171	220	68	89	111	562
Scrap	129	384	67	98	149	20	(a)
Portugal	84	5	—	—	—	—	—
Sweden	(a)	(a)	(a)	(a)	(a)	(a)	1
Switzerland (including asbestos)	—	—	1	1	49	61	91
Angola (c)	2	10	—	107	(a)	(a)	23
Madagascar—							
Phlogopite, etc.	590	244	703	538	700	794	822
Mozambique	1	1	1	—	2	1	—
Mexico	109	402	80	268	27	(a)	(a)
United States—							
Unmanufactured	95	127	132	148	151	51	150
Ground and manufactured	457	748	1,245	1,185	1,101	938	1,231
Argentina	165	313	350	(a)	(a)	(a)	(a)
Bolivia	2	—	—	—	—	—	—
Brazil	926	969	1,130	844	971	(a)	(a)
Peru	118	483	167	(a)	(a)	(a)	(a)
Korea (d)	123	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only.

(c) Chiefly waste mica. Exports of sheet mica are very small.

(d) Imports into Japan from Korea.

IMPORTS OF MICA

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Slabs	1,448	1,274	1,073	1,091	614	94	(b) 407
Splittings	363	225	2,200	3,308	1,649	1,704	1,206
Ground and waste	229	741	993	629	3,300	4,225	2,031
Tanganyika	9	1	—	1	3	—	—
Union of South Africa—							
Mica and micanite sheets	12	7	12	10	14	11	(a)
Canada—							
Mica and manufactures	(£41,795)	(£53,168)	(£65,898)	(£139,818)	(£101,043)	(£150,923)	(£249,285)
India—							
Block	165	554	—	11	110	62	135
Splittings	57	—	3	30	29	19	125
Australia—							
Slabs, waste and scrap	(a)	(a)	(e) 50	(e) 81	(e) 51	115	120
Sheet and splittings	(a)	(a)	(e) 13	(e) 29	(e) 92	29	48
Ground	(a)	(a)	(e) 8	(e) 7	(e) 7	10	11
New Zealand (£N.Z.)	(a)	(a)	(a)	(a)	(a)	(£7,072)	(£12,834)
FOREIGN COUNTRIES							
Austria—							
Sheet	(a)	(a)	(a)	7	15	31	18
Belgium-Luxemburg E.U.—							
Crude sheet and crude plate	2	(a)	(a)	(a)	453	204	399
Cut sheet and cut plate	—	(a)	(a)	(a)	62	34	—
Czechoslovakia	(a)	(a)	—	3	(c) 30	(a)	(a)
Denmark—							
Block	20	2	22	10	21	23	(a)
Powder	6	3	21	18	25	302	(a)
France—							
Unmanufactured	1	6	104	386	652	695	1,545
Sheet, plate and manufactures	1	47	282	284	16	6	7
Germany—							
Unmanufactured	(d) 770	(a)	(a)	(a)	—	443	951
Italy—							
Unmanufactured and sheet	(a)	(a)	(a)	207	432	852	1,147
Netherlands—							
Unmanufactured	} (a)	(a)	54	144	} 263	80	98
Sheet, plate and manufactured							
Portugal	1	1	5	7	5	11	(a)
Egypt	—	—	(b) 6	—	(b) 2	(a)	(a)
Mexico	10	10	86	102	126	(a)	(a)
United States—							
Unmanufactured	4,372	5,088	7,553	5,272	7,624	5,591	5,419
Cut, splittings and manufactured	2,037	3,272	4,924	5,046	8,355	8,689	11,113
Japan	246	(a)	—	48	130	224	81
Turkey	—	1	2	1	1	6	1

(a) Information not available.

(b) Excess of re-exports.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

e) Year ended June 30 of that stated.

MOLYBDENUM
PRODUCTION OF MOLYBDENUM ORE
(In terms of MoS₂)
(Cwt.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Canada (Shipments)	16,698	7,495	6,043	6,784	2,721	—	924
Australia	310	25	150	70	60	100	85
FOREIGN COUNTRIES							
Austria	(a)	(a)	(b) 145	(b) 20	—	340	590
Finland	8,550	3,620	4,110	2,300	—	—	—
France	225	—	—	—	—	—	—
Italy	2	—	—	—	—	—	—
Norway	8,136	2,486	313	3,216	2,641	2,316	(a)
Sweden	394	59	—	—	20	98	126
Egypt	80	—	—	—	—	—	—
Morocco (French)	—	—	1,575	1,181	—	—	—
Mexico	23,590	14,368	26,840	4,467	—	—	—
United States	575,580	458,363	271,102	402,485	397,411	335,268	423,809
Chile	32,789	27,595	18,367	13,172	17,454	18,346	31,652
Peru	2,028	952	137	103	68	82	(a)
Japan	6,200	3,540	1,480	550	32	(a)	(a)
Korea (b)	16,100	1,800	(a)	(a)	(a)	(a)	(a)

Molybdenum ore is also produced in Roumania, Spain, U.S.S.R., Yugoslavia, China and Turkey.

(a) Information not available.

(b) Estimated.

EXPORTS OF MOLYBDENUM ORE, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ferro-molybdenum ..	(a)	(a)	(a)	2,680	1,400	2,620	147
Australia—							
Ore and concentrates ..	—	—	(b) 7	41	—	80	—
FOREIGN COUNTRIES							
Finland—							
Ore	2,750	1,228	4,099	1,375	—	643	(a)
France—							
Molybdic acid and molybdates	—	—	2	—	(a)	(a)	(a)
Norway—							
Ore	7,855	5,085	198	3,420	2,600	1,742	1
Sweden—							
Ore	—	—	—	—	(d) 39	—	—
Ferro-molybdenum ..	—	(d) 39	(d) 4,378	(d) 4,350	(d) 1,965	4,199	4,140
Morocco (French)—							
Ore	3,563	—	—	1,476	(a)	(a)	(a)
Mexico—							
Ore and concentrates (MoS ₂ content) ..	23,389	15,222	26,780	4,351	—	(a)	(a)
United States—							
Ore and concentrates ..	105,846	47,789	(a)	(a)	(a)	(a)	(a)
MoS ₂ content	89,134	42,628	8,413	44,516	61,539	79,222	92,844
Metal, alloys and scrap	9,174	802	1,969	1,188	503	769	1,304
Ferro-molybdenum ..	39,532	15,783	6,620	8,509	10,620	8,520	10,520
Chile—							
Ore	35,918	12,234	45,742	14,874	23,125	(a)	(a)
Peru—							
Ore (MoS ₂ content) ..	1,725	952	99	917	79	(a)	(a)
Korea—							
Ore (MoS ₂ content) (c) ..	443	39	(a)	(a)	(a)	(a)	(a)
Manchuria—							
Ore (MoS ₂ content) (c) ..	846	49	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Year ended June 30, 1946.

(c) Imports into Japan from the country indicated.

(d) Revised.

IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom— Ore	10,378	21,255	25,824	46,190	45,754	52,622	61,716
FOREIGN COUNTRIES							
Finland— Ferro-molybdenum ..	42	—	—	—	203	245	(a)
France— Metal and alloys .. Molybdic acid and molyb- dates	(a)	(a)	(a)	(a)	31	32	—
Italy— Ferro-molybdenum ..	—	—	—	8	(a)	(a)	(a)
Sweden— Ore Ferro-molybdenum ..	(a)	—	15,058	535	1,214	514	1,708
United States— Ore (MoS_2 content) ..	1,378	4,527	(b) 14,192	(b) 12,283	(b) 8,248	20,452	20,412
Japan— Ore (MoS_2 content) ..	33	(b) 797	(b) 1,342	(b) 5,813	(b) 818	3,706	(a)
United States— Ore (MoS_2 content) ..	52,109	9,900	4,118	—	—	—	—
Japan— Ore (MoS_2 content) ..	1,289	93	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Revised.

MONAZITE
PRODUCTION OF MONAZITE
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
India	2,016	1,567	60	(a)	(a)	(a)	(a)
Malaya	(b) 54	(b) 54	—	—	—	—	—
Australia	(2 cwt.)	—	—	—	167	186	33
FOREIGN COUNTRIES							
Egypt	—	(3 cwt.)	(3 cwt.)	—	6	3	71
Brazil (exports)	3	1,014	1,230	1,723	1,757	(a)	(a)

Monazite is also produced in the United States.

(a) Information not available.

(b) Average annual production during Japanese occupation.

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
India— Monazite sand	591	200	1,947	703	(a)	50	(a)
FOREIGN COUNTRIES							
France— Thorium nitrate and other rare-earth salts ..	42	—	(2 cwt.)	11	—	1	—
United States— Thorium compounds ..	6	(b) 3	(a)	(a)	(a)	(a)	(a)
Brazil— Monazite sand	3	1,014	1,230	1,723	1,757	(a)	(a)

(a) Information not available.

(b) January to June only.

IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Canada— Thorium and cerium salts £	3,696	2,788	7,800	5,223	17,103	14,586	11,171
FOREIGN COUNTRIES							
France— Thorium nitrate and other rare-earth salts	(1 cwt.)	—	34	35	14	120	305
United States— Monazite sand and thorite	343	490	—	(a)	(a)	148	(a)

(a) Information not available.

NICKEL
PRODUCTION OF NICKEL ORE
(In terms of metal)
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Union of South Africa (b)	529	495	491	519	451	559	829
Canada	122,589	109,433	85,770	105,912	117,625	114,901	109,872
TOTAL	123,200	109,900	86,300	106,400	118,076	115,459	110,701
FOREIGN COUNTRIES							
Finland	241	364	107	—	—	—	—
Germany	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Greece	—	—	—	—	—	—	—
Italy	14	12	—	—	—	—	—
Norway	521	508	—	—	—	—	—
Sweden	687	384	—	—	—	—	—
U.S.S.R. (c)	(a)	13,200	20,000	25,000	25,000	25,000	25,000
Morocco (French)	46	—	—	—	—	—	—
Cuba (h)	8,656	17,586	16,324	3,126	—	—	—
United States (e)	882	1,031	314	577	788	705	815
Indonesia	(f) 300	(f) 300	—	—	—	—	—
Japan (d)	1,754	642	—	—	—	—	—
New Caledonia (g)	5,943	4,010	3,300	3,300	4,805	3,327	5,542
TOTAL*	30,000	38,000	40,000	32,000	31,000	29,000	31,300
WORLD'S TOTAL* ..	153,000	148,000	126,000	138,000	149,000	144,500	142,000

* Nickel ores are also produced in Brazil. Totals are approximate.

(a) Information not available.

(b) Nickel content of platinum matte.

(c) Estimated by the U.S. Bureau of Mines.

(d) Obtained chiefly from nickel-bearing iron ores.

(e) Nickel content of salts and nickel produced as a by-product in the electrolytic refining of copper (partly from imported blister copper). In 1944 and 1945 includes nickel content of ores produced.

Secondary metal was recovered in the United States as follows :—

Long tons				Long tons			
1944	3,858	1948	7,902				
1945	5,788	1949	5,071				
1946	7,364	1950	7,853				
1947	8,519						

(f) Average annual production during the Japanese occupation.

(g) Content of dry ore mined. The estimated content of matte and ferro-nickel (since 1948) exported was :—

Long tons				Long tons			
1944	5,760	1948	2,427				
1945	2,865	1949	2,993				
1946	2,294	1950	4,428				
1947	1,137						

(h) Content of ore mined. The estimated content of oxide produced was :—

Long tons				Long tons			
1944	4,605	1948	—				
1945	10,728	1949	—				
1946	11,068	1950	—				
1947	1,982						

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES								
United Kingdom—								
Cubes, rondels, etc. ..	1,505	4,318	4,354	5,393	6,244	10,700	8,268	
Plates, sheets, etc. ..	2	10	214	207	247	169	189	
Ingots, sheets, wire, etc. (alloys) ..	174	322	1,650	1,525	1,864	2,336	2,530	
Scrap and alloyed ..	—	—	34	1,494	1,600	2,600	7,431	
Nickel oxide ..	4	24	111	48	19	112	176	
Union of South Africa—								
Matte (<i>Ni content</i>) ..	(a)	(a)	313	256	405	607	575	
Canada—								
Matte or speiss (<i>Ni content</i>) ..	30,222	25,264	27,344	35,506	45,358	50,806	47,402	
Nickel, fine ..	87,061	69,793	72,140	63,175	63,613	61,686	59,727	
Nickel oxide (<i>Ni content</i>)	1,109	1,570	461	583	8,743	1,028	1,489	
FOREIGN COUNTRIES								
Belgium-Luxemburg E.U.—								
Ingots, scrap, etc. ..	16	} 1	25	105	{ 35 24	9	47	
Sheets, wire, etc. ..	—		7	10				
Czechoslovakia—								
Crude and scrap ..	} (a)	(a)	18	60	—	(a)	(a)	
Plates and sheets ..			6	—	—	(a)	(a)	
Denmark—								
Crude and scrap ..	3	2	—	2	21	19	(a)	
Finland—								
Ore	50,717	—	—	—	—	—	—	
France—								
Ore	(a)	(a)	(a)	(a)	20	20	—	
Matte and speiss ..	—	3	—	11	10	—	625	
Ingots	21	—	1	1	3	8	399	
do. (alloys) ..	—	2	4	—	—	—	434	
Sheets and wire ..	204	—	—	1	6	4	10	
do. (alloys) ..	—	—	40	63	88	70	155	
Germany—								
Nickel and chrome ores	(b) 738	} (a)	(a)	(a)	} — 21	—	—	
Crude, scrap and coin ..	(b) 192		—	—		—	—	827
Bars, sheets, wire, etc. ..	(b) 51		—	—		—	11	264
Greece—								
Ore	(a)	—	—	—	—	—	(a)	
Italy—								
Sheets, tubes, wire and alloys	—	—	—	388	821	866	40	
Netherlands—								
Crude and scrap ..	(a)	(a)	13	93	141	258	294	
Norway—								
Ingots	1,197	1,172	4,459	7,403	7,193	7,421	9,647	

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF NICKEL (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Sweden—							
Crude	1	—	35	42	—	—	—
Switzerland—							
Crude, scrap and alloys	—	—	—	268	94	92	696
Bars, sheets, etc., and							
alloys	—	1	146	423	336	402	547
Cuba—							
Ore	2,925	15,846	(a)	(a)	1	1	(a)
United States—							
Bars, rods, sheets and							
alloys	3,077	721	841	1,211	1,208	719	302
Scrap and alloys ..	3,590	2,043	4,997	7,522	5,202	2,486	2,534
Nickel-silver bars, etc. . .	47	119	910	1,395	563	457	222
New Caledonia—							
Ore	—	—	—	1,181	—	—	—
Matte, etc.	7,382	3,828	2,977	1,476	3,612	5,793	6,800

(a) Information not available.

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore, concentrates and matte	21,784	19,373	12,737	21,500	26,403	32,771	25,221
Cubes, rondels, etc. ..	324	(b) 67	4,742	7,655	4,709	2,292	2,480
Plates, sheets, etc. ..	148	8	162	439	414	270	12
Ingots, sheets, etc. (alloys)	2,954	1,331	3,206	5,222	4,296	1,243	1,111
Scrap and alloyed	11	28	480	30	276	297	820
Nickel oxide	10	85	306	389	221	456	539
Canada—							
Ingots or blocks and alloyed	7	11	5	82	37	12	19
Bars, rods, sheets, etc. ..	336	606	1,106	966	1,087	1,190	1,071
do. (alloyed)	43	75	319	181	93	90	104
Hong Kong (total imports)—							
Nickel	(a)	(a)	9	35	3	1	2
Australia—							
Pigs and ingots	} 58	} 79	} 147	796	285	1,221	408
Bars and rods				23	32	59	57
Scrap	(a)	(a)	—	(e) 200	(e) 143	15	6
Irish Republic—							
Nickel, alloys and manufactures ..	1	6	21	20	8	10	6
FOREIGN COUNTRIES							
Austria—							
Crude	} (a)	} (a)	} (a)	186	199	462	867
Anodes				7	2	26	32
Ingots, sheets, etc. ..				8	13	31	12
Scrap				—	10	—	—
Belgium-Luxemburg E.U.—							
Ingots, etc.	1	} 180	} 926	} 1,033	4	21	344
Scrap	—				358	291	13
Sheets, wire, etc. ..	—				477	200	147
Czechoslovakia—							
Crude and scrap	} (a)	} (a)	} 188	1,724	(c) 1,639	(a)	(a)
Plates and sheets ..				36	34	29	(a)	(a)
Denmark—							
Crude and scrap	9	31	87	65	101	55	(a)
Finland (total imports)—							
Crude	17	1	4	39	100	24	(a)
France—							
Matte and speiss	—	—	2,179	785	2,633	5,734	7,142
Ingots	58	1,825	4,321	4,039	1,447	3,470	190
do. (alloys)	2	1	121	102	132	69	108
Sheets and wire	—	1	153	225	149	106	223
do. (alloys)	2	4	94	157	214	215	259
Nickel sulphate and oxide	—	85	1,795	1,180	(a)	(a)	(a)
Germany—							
Ore	(d) 34,570	} (a)	} (a)	} (a)	—	—	581
Crude, scrap and coin ..	(d) 425				1,774	2,089	5,869
Bars, sheets, wire, etc. ..	(d) 3				8	26	25
Italy—							
Ingots, scrap and alloyed	—	—	1,270	1,298	675	901	1,691
Sheets, tubes, wire, etc., and alloyed	—	—	59	270	226	366	273
Netherlands—							
Crude and scrap	(a)	(a)	431	576	224	245	487
Norway—							
Matte (copper-nickel) ..	3,002	1,882	11,138	14,464	16,771	19,006	(a)
Crude, bars, rods, etc. ..	1	7	22	6	2	7	(a)

(a) Information not available.

(c) January to October only.

(e) Year ended June 30 of that stated.

(b) Excess of re-exports.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF NICKEL (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Portugal	—	8	55	45	12	38	(a)
Spain—							
Ingots, bars, etc. ..	12	20	343	274	365	144	(a)
Sweden—							
Crude	150	1,884	2,955	3,167	1,929	2,718	3,383
Switzerland—							
Crude, scrap, and alloyed	42	260	931	566	780	225	604
Bars, sheets, etc., and							
alloyed.. .. .	10	10	212	354	432	225	192
Algeria—							
Sheets, wire and alloys	14	2	2	1	1	2	(a)
Egypt (total imports)—							
Crude, bars, sheets, etc.	4	16	36	12	22	13	(a)
Mexico—							
Ingots	4	123	40	103	32	(a)	(a)
United States—							
Ore and matte	32,488	22,356	17,005	13,068	12,370	9,936	9,942
Crude, tubes, etc., and							
alloys	82,194	68,458	63,538	52,385	63,899	65,869	62,316
Nickel oxide	4,879	17,042	12,965	13,459	19,209	10,930	14,559
Argentina	—	(a)	(a)	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Cubes and sheets ..	41	204	204	212	56	(a)	(a)
Chile—							
Ingots, bars and plates	55	84	75	73	95	(a)	(a)
Uruguay—							
Ingots	5	(a)	(a)	(a)	(a)	(a)	(a)
Iran (total imports) (b)—							
Ingots, bars, etc. ..	(a)	(a)	67	160	(a)	(a)	(a)
Japan—							
Ore	449	(a)	(a)	(a)	(a)	(a)	(a)
Matte	166	435	—	—	—	(a)	(a)
Metal	(a)	(a)	—	—	—	(a)	(a)
Turkey—							
Ingots, bars, and sheets ..	3	11	7	8	8	—	11

(a) Information not available.

(b) Years ended March 20 of year following that stated.

NITROGEN COMPOUNDS
PRODUCTION OF NITRATES (NATURAL)
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
India— Nitrate of potash ..	(b) 2,118	(b) 7,467	(b) 3,457	4,114	2,972	6,354	(a)
FOREIGN COUNTRIES							
Spain— Nitrate of potash ..	420	420	500	500	400	(a)	(a)
Chile— Nitrate of soda	975,062	1,361,654	1,622,915	1,605,460	1,758,518	1,741,957	1,588,653

A small amount of nitrate of soda is also produced in Peru, and nitrified earth in China.

(a) Information not available.

(b) Exports plus consumption in tea gardens.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS*

(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b)—							
Total ammonia products basis 25% NH ₃ ..	1,429,200	1,375,600	1,506,500	1,408,600	1,648,800	1,691,100	1,803,400
Actual ammonium sulphate	779,500	760,400	833,700	796,700	901,000	924,500	960,700
Canada—							
Ammonium sulphate ..	187,123	197,767	176,728	175,737	192,062	203,274	(a)
Ammonium nitrate (c) ..	(a)	183,915	236,721	(a)	(a)	(a)	(a)
Ammonium phosphate (c)	119,295	(a)	(a)	(a)	(a)	(a)	(a)
India—							
Ammonium sulphate ..	(e) 20,118	(e) 19,591	(e) 19,108	(a)	35,210	45,935	47,184
Australia—							
Ammonium sulphate (c)	23,220	22,095	21,823	29,266	39,489	53,247	28,804
FOREIGN COUNTRIES							
Austria—							
Nitrogen fertilizers (20.5% N)	(a)	(a)	31,321	107,298	258,555	283,605	(a)
Belgium—							
N content—							
Synthetic ammonia etc. }	(a)	(a)	108,739	122,713	153,495	167,776	154,867
Ammonium sulphate			9,096	10,610	12,159	11,486	10,324
Cyanamide			5,355	6,786	5,333	(a)	(a)
Mixed fertilizers			2,835	3,785	2,181	2,531	2,874
Technical products			4,825	10,133	9,260	7,607	6,442
Czechoslovakia—							
Nitrogen fertilizers ..	(a)	(a)	(a)	130,300	158,000	(a)	(a)
France—							
Ammonium sulphate (c)	90,800	35,700	106,886	201,480	242,646	268,008	249,231
Cyanamide (c)	5,400	9,600	13,800	19,400	18,000	16,480	24,133
Nitrate of soda (c)	12,400	1,900	9,400	16,700	21,200	34,100	42,744
Nitrate of lime (c)	128,000	63,000	113,400	172,300	179,000	175,470	195,768
Nitrate of ammonia (c)	53,000	29,000	57,300	141,300	177,600	175,700	198,475
"Ammonitrate" (c)	128,000	41,000	106,400	97,400	102,900	133,600	178,771
Germany (d)—							
Chemical nitrogen (N content)—							
Fertilizer	492,376	(a)	183,000	187,200	260,600	364,000	433,208
Technical use	352,159	(a)	(a)	(a)	(a)	(a)	(a)
Italy—							
Ammonium sulphate ..	67,952	22,895	129,117	199,478	(a)	(a)	(a)
Cyanamide	29,026	1,008	29,701	73,212			
Nitrate of soda	—	—	75	453			
Nitrate of lime	67,873	19,801	64,896	132,327			
Nitrate of ammonia	25,320	52,126	8,510	13,725			
Di-ammonium phosphate	—	—	72	1,137			
Netherlands—							
Ammonium sulphate (N content)	6,589	2,562	5,525	10,791	9,740	(a)	(a)
Nitrogen fertilizers (N content)	(a)	(a)	(a)	66,818	18,773	87,172	153,783

* Includes by-product ammonium sulphate which is separately recorded as far as available on pages 67-70.

(a) Information not available.

(b) Source: Annual Report of the British Sulphate of Ammonia Federation.

(c) Years ended June 30 of the year stated.

(d) Year ended May 31 of the year stated for 1944. Western Germany only from 1946.

(e) Coke-ovens only.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Norway—							
Cyanamide	51,004	12,931	28,308	45,183	37,475	39,193	(a)
Nitrate of ammonia	2,320	2,515	2,748	3,567	3,010	3,227	(a)
Nitrate of lime	226,025	469,276	521,424	465,626	428,361	563,632	(a)
Nitrate of soda	—	2,839	3,317	2,966	2,638	2,524	(a)
Lime ammonium nitrate	3,238	7,626	—	22,144	21,605	27,285	(a)
Poland—							
Ammonium sulphate	(a)	(a)	54,722	64,633	(c) 76,000	(a)	507,000
Cyanamide			97,621	118,905	155,742	166,455	
Nitrate of soda			1,740	1,315	(a)	(a)	
" Saletzrak "			36,474	69,149	127,739	128,018	
Nitrate of ammonia			6,032	9,143			
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	50,222	86,799	
Portugal—							
Cyanamide	(a)	(a)	(a)	—	13	12	(a)
Ammonium chloride				—	510	1,079	(a)
Nitrate of ammonia				2,546	506	447	(a)
Nitrate of soda				1,988	786	265	(a)
Ammonium sulphate				1,485	744	144	(a)
Spain—							
Ammonium sulphate	18,413	16,428	15,779	15,921	12,921	10,039	13,520
Sweden—							
Compressed ammonia (100%)	225	255	2,574	6,168	7,403	(a)	(a)
Ammonium sulphate (b)	3,742	3,222	3,244	4,241	(d)	(a)	(a)
Ammonia (25%)	2,851	3,141	2,924	2,841	2,919	(a)	(a)
Synthetic nitrogen fertilizer (N content)	18,075	13,602	12,709	10,798	(e) 20,529	(e) 22,315	(e) 24,349
Switzerland—							
Nitrogen fertilizers (N content)	12,000	14,000	14,000	14,000	12,000	(a)	(a)
United States—							
Sulphate equivalent of ammonia produced (coke-ovens)	843,663	780,999	664,033	814,564	830,083	756,970	825,504
Actual ammonium sulphate (coke-ovens)	730,575	682,404	574,779	722,714	769,135	728,244	755,099
Actual ammonium sulphate (synthetic plants)	(a)	79,342	139,869	(f) 174,864	(f) 236,139	755,531	(a)
Anhydrous ammonia (synthetic plants)	485,403	489,871	647,801	(f) 994,643	973,023	1,155,408	(a)
Ammonium nitrate, original	388,116	376,328	647,231	(f) 970,419	882,448	909,559	(a)
Brazil (Volta Redonda)—							
Ammonium sulphate	(a)	(a)	(a)	(a)	4,209	(a)	(a)
Japan—							
Ammonium sulphate	701,000	239,162	459,451	709,597	931,209	1,212,893	1,545,165
Cyanamide	163,000	61,400	142,989	172,232	201,723	344,109	449,613
Synthetic fertilizer	63,000	17,000	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Amount from gas and coke works only. Other ammonium sulphate included with "Synthetic nitrogen fertilizer."

(c) Estimated.

(d) Included with nitrogen fertilizers.

(e) Total nitrogen fertilizers. The comparable figure for 1947 was 19,362 tons.

(f) Revised.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Nitrate of potash ..	264	546	2,752	2,133	2,854	1,196	1,868
Nitrate of soda ..	103	4,181	5,159	1,952	28	542	1,170
Ammonium sulphate ..	133,063	252,327	277,925	246,375	221,044	262,142	277,086
Ammonium chloride ..	11,923	13,303	15,938	9,267	13,431	13,023	14,725
Ammonium nitrate ..	11,458	37,376	130,516	79,455	97,075	67,614	58,572
Ammonium phosphate ..	86	74	675	329	766	578	520
Liquid ammonia ..	431	2,339	10,918	7,344	850	937	932
Anhydrous ammonia ..	307	308	767	1,395	1,432	1,697	3,457
Canada—							
Ammonium sulphate ..	149,550	161,776	138,792	141,942	130,695	149,238	186,706
Nitrogen fertilizers ..	(a)	(a)	(a)	(a)	(a)	(a)	338,586
Hong Kong (re-exports)—							
Nitrate of potash ..	(a)	(a)	120	2,275	(a)	(a)	(a)
Nitrate of soda ..	(a)	(a)	4	436	(a)	(a)	(a)
Ammonium sulphate ..	(a)	(a)	1,631	8,746	(b) 32,992	(b) 28,668	(b) 17,170
Ammonium chloride ..	(a)	(a)	459	615	675	385	853
Anhydrous ammonia ..	(a)	(a)	—	10	(a)	(a)	(a)
India—							
Nitrate of potash ..	1,223	153	1,135	816	36	15	64
Malaya (including re-exports)—							
Nitrate of potash ..	(a)	(a)	—	5	1	1	5
Other nitrogen fertilizers	(a)	(a)	16	72	200	601	1,092
Australia—							
Nitrate of soda ..	4	2	189	5	—	—	57
Ammonium sulphate ..	89	164	115	161	106	34	158
FOREIGN COUNTRIES							
Austria—							
Lime ammonium nitrate	(a)	(a)	(a)	52,402	102,312	205,638	289,887
Belgium-Luxemburg E.U.—							
Nitrate of potash ..	—	—	—	—	998	1,729	1,111
Nitrate of soda ..	—	—	—	—	24,329	17,108	2,252
Nitrate of lime ..	—	—	—	—	165	128	—
Ammonium sulphate ..	—	—	—	—	262,133	232,658	385,680
Ammonium chloride ..	2,506	(a)	(a)	(a)	18,832	8,363	1
Ammonium nitrate ..	—	—	—	—	26,158	64,004	67,481
Ammonium carbonate ..	15	—	—	—	125	34	51
Ammonium phosphate ..	3	—	—	—	6,021	5,830	996
Cyanamide ..	—	—	—	—	2,386	2,426	14,824
Liquid ammonia ..	99	—	—	—	369	110	45
Czechoslovakia—							
Nitrate of potash ..	—	—	—	—	(c) 4	—	—
Nitrate of soda ..	—	—	30	69	(c) —	—	—
Ammonium sulphate ..	(a)	(a)	4	—	(c) —	(a)	(a)
Ammonium chloride ..	—	—	15	59	(c) 39	—	—
Ammonium nitrate ..	—	—	809	3,553	(c) 2,365	—	—
Cyanamide ..	—	—	25	40	(c) —	—	—
France—							
Nitrate of potash ..	—	46	1,144	4,310	3,165	4,157	4,551
Nitrate of soda ..	—	150	332	2,104	565	169	684
Nitrate of lime ..	983	—	41	2,368	2,387	1,892	3,352
Ammonium sulphate (d)	2,164	1	13,168	58,066	36,101	39,808	106,955
Ammonium chloride ..	(a)	(a)	(a)	(a)	555	646	1,772
Ammonium nitrate ..	—	—	201	551	2,550	1,550	4,824
Cyanamide ..	—	697	41	89	375	148	819
Liquid ammonia ..	1	9	1	190	398	441	473

(a) Information not available.
(c) January to October only.

(b) Synthetic nitrates of sodium, calcium and ammonia.
(d) May include some "Ammonium nitrate."

EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950			
FOREIGN COUNTRIES (Cont.)										
Germany—										
Nitrate of potash ..	(b) 3,158	}	(a)	(a)	}	88	946			
Nitrate of soda ..	(b) 1,742					98	1,251	34,304		
Nitrate of lime, etc. ..	(b) 49,826					355	400	114,946		
Ammonium sulphate ..	(b) 50,509					—	654	87,318		
Ammonium chloride ..	(b) 708					—	1,367	4,583		
Ammonium nitrate, etc. ..	(b) 2,779					—	1	4,436		
Cyanamide ..	(b) —					—	—	5	22,397	
Liquid ammonia ..	(b) 634	—	—	—	276	126				
Italy—										
Ammonium nitrate ..	(a)	(a)	(a)	—	7,200	484	586			
Ammonium sulphate ..	(a)	(a)	(a)	—	26,149	41,208	16,890			
Cyanamide ..	(a)	(a)	(a)	—	1,584	1,874	4,721			
Netherlands—										
Nitrate of potash ..	}	(a)	}	}	1	5	17			
Nitrate of soda ..					—	(a)	(a)			
Nitrate of lime ..					—	—	31	7,879	7,075	
Ammonium sulphate ..					—	—	7,888	7,187	34,593	103,619
Ammonium chloride ..					(a)	(a)	213	429	—	—
Ammonium nitrate ..					—	—	—	98	(a)	(a)
Lime ammonium nitrate ..					—	—	—	984	31	979
Other nitrogen fertilizers	—	—	—	215	441	(a)	(a)			
Norway—										
Nitrate of soda ..	922	2,328	2,273	3,962	2,474	1,807	5,894			
Nitrate of lime ..	209,621	371,969	421,719	385,236	354,210	538,165	731,883			
Ammonium nitrate ..	527	74	148	1,919	632	1,241	1,829			
Cyanamide ..	30,104	4,667	32,082	42,615	30,446	40,138	42,281			
Spain—										
Ammonium sulphate ..	92	56	2,778	2,216	166	447	(a)			
Synthetic nitrates ..	—	—	2,026	577	748	1,385	(a)			
Sweden—										
Nitrates of potash, soda and lime ..	—	3	7	52	59	6	34			
Ammonium nitrate ..	197	3,272	2,961	—	—	115	297			
Ammonium sulphate ..	—	311	123	54	—	—	—			
Liquid ammonia ..	—	48	1	—	5	—	—			
Switzerland—										
Nitrate of potash (crude)	1,013	41	271	298	14,172	1,256	15,449			
Nitrates of potash and soda (purified) ..	—	488	256	654	364	2,154	—			
Ammonium sulphate, etc.	(a)	(a)	(a)	(a)	4,733	2,715	3,217			
United States—										
Nitrate of soda ..	10,355	10,919	14,500	17,790	15,268	3,316	31,448			
Nitrate of potash, etc. ..	2,957	3,363	(a)	(a)	(a)	(a)	(a)			
Ammonium nitrate ..	12,013	8,790	6,225	5,968	4,542	435,220	87,058			
Other nitrogen fertilizers	9,978	74,792	104,746	137,149	560,368	20,991	36,931			
Ammonium sulphate ..	9,477	18,528	22,550	79,108	187,934	589,940	737,156			
Nitrogen phosphatic fertilizers ..	1,124	850	3,360	55,900	30,848	179,433	151,379			
Anhydrous ammonia ..	3,235	3,850	5,499	5,412	3,042	3,508	9,109			
Liquid ammonia ..	2,232	2,424	(a)	(a)	(a)	(a)	(a)			
Chile—										
Nitrate of soda ..	1,060,114	1,588,302	1,386,113	1,590,978	1,618,919	1,523,256	1,637,818			
Nitrate of potash ..	3,217	715	702	165,669	103,177	(a)	(a)			
Japan—										
Ammonium sulphate ..	(a)	(a)	—	5,559	26,430	(a)	2,837			

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF NITROGEN COMPOUNDS

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Nitrate of potash ..	964	(c) 5	297	110	25	(c) 37	244
Nitrate of soda ..	3,195	19,175	45,085	19,276	44,553	43,846	17,000
Nitrate of lime ..	—	1	—	—	—	1	—
Cyanamide ..	565	850	686	1,573	1,703	1,808	3,615
Ammonium chloride ..	—	—	—	(c) 6	—	—	—
Ammonium nitrate ..	2	2	—	—	—	—	2
Ammonium phosphate ..	18,923	35,162	18,273	9,615	—	—	21
Ammonium sulphate ..	—	—	—	—	858	—	—
Anhydrous ammonia ..	—	—	—	—	2	2	6
Anglo-Egyptian Sudan—							
Nitrogenous fertilizers	1	104	2,717	2,368	3,199	12,576	10,184
Kenya and Uganda—							
Nitrate of soda ..	(a)	(a)	(a)	(a)	81	—	—
Synthetic nitrate of soda, calcium and ammonia	(a)	(a)	(a)	(a)	1,432	—	—
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	440	1,093	707
Mauritius—							
Nitrate of potash ..	2,500	—	500	—	1,976	991	988
Nitrate of soda ..	2,606	—	3,454	9,220	5,829	4,940	6,916
Ammonium chloride ..	—	—	—	427	—	—	—
Ammonium sulphate ..	4,000	2,471	2,500	4,596	11,408	19,566	14,078
Northern Rhodesia—							
Nitrates ..	—	—	—	1	—	—	8
Ammonium compounds	85	58	39	43	449	570	511
Southern Rhodesia—							
Nitrates (incl. fertilizers)	94	77	84	79	2,786	1,449	1,559
Anhydrous ammonia ..	12	10	12	14	9	11	20
South West Africa—							
Anhydrous ammonia ..	4	5	4	(a)	(a)	(a)	(a)
Tanganyika—							
Nitrate of soda ..	(a)	(a)	(a)	(a)	20	1	—
Synthetic nitrate of soda, calcium and ammonia	(a)	(a)	(a)	(a)	260	101	2
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	26	694	813
Union of South Africa—							
Nitrate of soda (b) ..	—	533	472	—	—	—	(a)
Ammonium sulphate ..	2,982	15,237	10,198	10,255	4,746	23,892	(a)
Ammonium chloride ..	(b) 187	(b) 403	(b) 536	58	397	777	(a)
Ammonium nitrate ..	(b) 13,442	(b) 8,617	(b) 2,873	10,183	12,482	12,776	(b) 15,629
Anhydrous ammonia ..	—	—	(b) 3	23	2	3	(a)
British Guiana—							
Nitrogenous fertilizers ..	(a)	10,939	11,046	8,452	10,158	15,147	10,329
British West Indies—							
Barbados—							
Nitrate of soda ..	785	—	—	—	613	1,253	—
Ammonium sulphate ..	10,985	—	7,484	2,582	6,771	7,582	6,222
Jamaica—							
Nitrogenous fertilizers	—	345	6,656	6,630	5,812	9,313	10,844
Trinidad and Tobago—							
Ammonium sulphate ..	2,441	6,086	7,330	6,826	9,136	5,715	5,275
Canada (d)—							
Nitrate of potash ..	970	655	366	261	355	439	448
Nitrate of soda ..	14,035	12,417	13,909	14,973	17,594	16,938	17,486
Ammonium sulphate ..	93	93	57	110	116	125	92
Ammonium chloride ..	973	509	731	139	526	388	351
Ammonium nitrate ..	67	74	73	75	93	148	652
Anhydrous ammonia ..	32	151	1,836	2,202	58	525	5,714

(a) Information not available.

(c) Excess of re-exports.

(b) Total imports.

(d) Including Newfoundland from April 1, 1949.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Newfoundland (c)—							
Nitrogen fertilizers ..	610	415	580	849	800	(c)	(c)
Liquid ammonia ..	6	3	5	5	9	(c)	(c)
Anhydrous ammonia ..	9	12	7	10	5	(c)	(c)
Ceylon—							
Nitrate of potash refuse	—	—	—	—	—	—	2
Nitrate of soda ..	—	—	—	—	3,620	3,665	29
Ammonium sulphate ..	12,637	47,614	29,567	44,027	47,298	54,345	49,790
Cyanamide ..	2,844	1,949	—	—	709	292	160
Cyprus—							
Ammonium chloride ..	4	1	13	2	5	6	6
Hong Kong (total imports)—							
Nitrate of potash ..	(a)	(a)	202	446	(a)	(a)	(a)
Nitrate of soda ..	(a)	(a)	88	1,337	(a)	(a)	(a)
Ammonium sulphate ..	(a)	(a)	1,687	4,311	(b) 44,055	(b) 39,447	(b) 100,329
Ammonium chloride ..	(a)	(a)	961	1,142	1,075	442	1,084
Anhydrous ammonia ..	(a)	(a)	22	68	(a)	(a)	(a)
India—							
Nitrate of soda ..	4,004	—	—	1,712	23,666	33,769	583
Ammonium sulphate ..	34,234	70,747	121,848	117,825	140,009	121,297	410,907
Ammonium phosphate ..	54,822	1,786	4,504	6,002	4,737	18,666	—
Ammonium chloride ..	5,054	2,014	1,904	1,816	3,429	4,438	1,508
Other ammonium salts ..	2,072	1,696	308	2,553	3,629	817	399
Anhydrous ammonia ..	122	147	157	191	111	144	91
Other nitrogen fertilizers	—	6	1	6,978	5,450	6,428	12,989
Malaya (total imports)—							
Nitrate of potash ..	(a)	(a)	53	4	—	41	10
Other nitrogen fertilizers	(a)	(a)	1,937	14,715	10,861	17,131	22,311
Palestine—							
Nitrogen fertilizers ..	5,401	12,375	7,208	(a)	(a)	(e)	(e)
Anhydrous ammonia ..	3	7	7	(a)	(a)	(e)	(e)
Australia—							
Nitrate of potash ..	91	95	124	139	35	218	269
Nitrate of soda ..	16,419	4,352	3,007	3,720	8,019	15,324	13,270
Ammonium chloride ..	5	410	84	128	14	120	21
Ammonium sulphate ..	2,394	26,707	26,052	11,587	25,478	28,485	42,749
Ammonium nitrate ..	(d) 389	(d) 25	(d) 80	(d) 1,304	(d) 799	1,218	535
Other nitrogen fertilizers	(d) —	(d) 3	(d) 30	(d) 2	(d) 69	(d) 33	86
New Zealand—							
Nitrate of potash ..	5	2	1	22	11	10	94
Nitrate of soda ..	2	4,173	3,656	2,802	2,504	3,204	3,067
Ammonium sulphate ..	6,176	2,089	649	1,126	2,411	2,687	4,587
Ammonium chloride ..	107	198	170	340	96	131	338
Anhydrous ammonia ..	39	65	62	76	91	110	83
Fiji—							
Ammonium sulphate ..	(a)	(a)	(a)	(a)	2,719	2,989	4,573
Irish Republic—							
Nitrate of potash ..	56	55	46	55	40	141	215
Nitrate of soda ..	17	80	174	8,051	10,100	6,037	159
Ammonium sulphate ..	3,151	1,612	4,021	8,089	27,562	25,844	31,359
Anhydrous ammonia ..	18	25	28	48	38	56	57
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Nitrate of potash ..	176	} (a)	} (a)	} (a)	} 41	} 27	} 113
Nitrate of soda ..	—						
Nitrate of lime ..	—						
Cyanamide ..	—						
Ammonium sulphate ..	3,316						
Ammonium chloride ..	2	} 16	} 20	} 6,673			
Ammonium nitrate ..	—						
	—				} 136	} 597	} 739
	—	—	—	3,497			

(a) Information not available.

(b) Synthetic nitrates of sodium, calcium and ammonia.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) Years ended June 30 of that stated.

(e) See "Israel" under Foreign Countries.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950		
FOREIGN COUNTRIES (Cont.)									
Bulgaria—									
Nitrate of potash ..	20	103	118	} (a)	(a)	(a)	(a)		
Nitrate of soda ..	5	75	72						
Ammonium nitrate, etc.	604	141	5,339						
Ammonium chloride ..	27	120	99						
Liquid ammonia ..	18	3	—						
Czechoslovakia—									
Nitrate of soda ..	} (a)	(a)	200	406	(e) —	(a)	(a)		
Ammonium chloride ..			15	—	(e) 6,776	(a)	(a)		
Cyanamide, etc. ..			11	68	(e) 84	(a)	(a)		
Denmark—									
Nitrate of potash ..	302	12	462	380	335	587	(a)		
Nitrate of soda ..	349	5,230	46,046	55,320	39,391	73,600	43,576		
Nitrate of lime ..	151,571	208,961	181,796	186,268	163,366	241,030	305,619		
Ammonium sulphate ..	16,700	115	—	14,173	27,603	9,501	32,182		
Ammonium chloride ..	117	163	580	482	635	430	(a)		
Ammonium nitrate ..	83	98	140	312	258	198	(a)		
Cyanamide ..	17,859	4,771	5,033	4,862	5,190	2,188	3,937		
Finland (total imports)—									
Nitrate of potash ..	14	—	17	33	37	55	(a)		
Nitrate of soda ..	5	100	1	17,539	5,637	241	(a)		
Nitrate of lime ..	28,896	—	6,212	24,977	22,630	38,742	(a)		
Ammonium nitrate ..	1,908	2,335	4,495	14,283	17,383	10,811	(a)		
Ammonium sulphate ..	5,122	1,311	203	966	608	541	(a)		
Ammonium chloride ..	43	—	133	156	43	136	(a)		
Cyanamide ..	1,767	5,106	—	—	—	—	(a)		
Liquid ammonia ..	102	48	17	41	215	450	(a)		
France—									
Nitrate of soda ..	—	37,662	196,194	135,103	128,826	107,340	139,242		
Nitrate of lime, etc. ..	984	44,063	180,413	94,068	11,748	22,259	—		
Ammonium sulphate (b)	1,633	19,719	17,952	21,305	32,325	10,553	—		
Ammonium nitrate ..	—	899	10,567	—	119,812	99,430	23,385		
Ammonium chloride ..	(a)	(a)	(a)	(a)	976	158	1,063		
Anhydrous ammonia ..	(a)	(a)	1,685	5,494	15,161	13,889	16,077		
Cyanamide ..	—	325	—	1,968	6,709	7,577	25,869		
Liquid ammonia ..	1	44	1	3,121	32	—	2		
Other nitrogen fertilizers	—	4,003	19,737	35,191	2,040	20	59		
Germany—									
Nitrate of potash ..	(c) —	} (a)	(a)	(d) 59,052	—	34	—		
Nitrate of soda ..	(c) —				—	—			
Nitrate of lime, etc. ..	(c) 902				—	—	85,864	15	—
Cyanamide ..	(c) —				—	—	—	—	—
Ammonium nitrate ..	(a)				—	—	164,937	97,833	32,613
Ammonium sulphate ..	(c) 945				—	—	—	1	13
Ammonium chloride ..	(c) 3,216				—	—	—	1	—
Liquid ammonia ..	(c) 9,013	—	—	—	—	1			
Greece—									
Nitrate of soda ..	(a)	} (a)	8,779	134	9,214	3,955	(a)		
Ammonium sulphate ..	(a)		3,835	4,462	10,373	16,211	47,254	(a)	
Liquid ammonia ..	(a)		—	95	67	758	1,169	(a)	
Iceland—									
Nitrate of lime ..	—	1	3,550	1,964	833	} (a)	(a)		
Nitrate of soda ..	—	13	2	—	—				
Ammonium sulphate ..	2,947	2,669	893	(a)	(a)				
Lime ammonium nitrate	—	892	2,179	2,578	4,104				
Nitrophoska ..	—	—	—	5	—				
Other nitrogen fertilizers	100	246	250	(a)	(a)				
Italy—									
Nitrate of potash ..	(a)	(a)	(a)	1,540	753	1,574	1,839		
Nitrate of soda ..	(a)	(a)	(a)	70,834	29,557	4,496	40,564		
Ammonium chloride ..	(a)	(a)	(a)	197	279	225	487		
Ammonium nitrate ..	(a)	(a)	(a)	6,693	642	31	906		
Cyanamide ..	(a)	(a)	(a)	8,269	50	4,103	8,313		

(a) Information not available.

(c) January to July only. Western Germany from 1948.

(b) May include some "ammonium nitrate."

(d) Nitrogen in fertilizers.

(e) January to October only.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Netherlands—							
Nitrate of potash ..	(a)	(a)	156	198	220	718	1,891
Nitrate of soda ..	(a)	(a)	114,450	55,781	63,339	33,160	31,332
Nitrate of lime ..	(a)	(a)	29,461	19,647	14,727	13,108	28
Ammonium sulphate ..	(a)	(a)	982	14,069	966	2,340	6,912
Ammonium chloride ..	(a)	(a)	85	206	160	241	694
Ammonium nitrate ..	(a)	(a)	78,271	106,927	60,178	67,568	5,617
Lime ammonium nitrate	(a)	(a)	2	—	—	—	—
Cyanamide ..	(a)	(a)	14,181	19,887	11,704	19,501	17,178
Other nitrogen fertilizers	(a)	(a)	99	—	—	15,812	177,074
Norway—							
Nitrate of potash ..	37	210	122	115	93	169	(a)
Nitrate of soda ..	—	—	—	—	—	—	(a)
Ammonium sulphate ..	15	—	—	—	162	—	(a)
Ammonium nitrate ..	581	—	—	—	—	—	(a)
Poland—							
Ammonium nitrate ..	(a)	(a)	(a)	17,440	(a)	(a)	(a)
Portugal—							
Nitrate of potash ..	50	278	198	249	122	173	(a)
Nitrate of soda ..	39,860	33,877	44,998	22,854	50,644	29,708	(a)
Ammonium sulphate ..	3,348	9,828	7,820	24,320	39,249	37,630	(a)
Ammonium chloride ..	48	146	623	561	300	774	(a)
Ammonium nitrate ..	697	13,958	8,198	1,603	4,518	8,194	(a)
Cyanamide ..	(a)	200	4,348	3,758	974	2,954	(a)
Lime ammonium nitrate	—	—	—	—	3,008	4,563	(a)
Spain—							
Nitrate of soda ..	44,926	47,412	68,550	87,518	73,069	101,670	(a)
Cyanamide ..	4,296	761	—	—	975	2,341	(a)
Ammonium sulphate ..	353	—	—	37,143	45,549	57,751	(a)
Synthetic nitrates ..	23,792	1,446	31,355	4,162	10,039	10,039	(a)
Sweden—							
Nitrate of potash ..	288	101	592	412	223	610	(a)
Nitrate of soda ..	18,276	12,152	24,280	18,156	23,520	37,944	34,370
Nitrate of lime ..	69,685	98,328	111,172	79,374	78,177	131,916	210,067
Ammonium nitrate ..	—	—	—	—	1	2,444	(a)
Ammonium sulphate ..	3,148	25	21	20	14	15	3,833
Ammonium chloride ..	327	208	758	613	890	403	(a)
Liquid ammonia ..	—	—	—	5	—	—	(a)
Switzerland—							
Nitrate of potash, crude	—	—	49	—	—	—	—
Nitrates of potash and soda, purified	94	39	707	737	878	319	932
Ammonium sulphate, etc.	—	—	10	5	105	12	1,089
Ammonium chloride ..	62	88	383	644	331	323	516
Liquid ammonia ..	1	—	1	—	2	—	1
Algeria—							
Nitrate of potash ..	—	12	20	15	100	17	(a)
Nitrate of soda ..	69	557	275	5,187	8,494	583	(a)
Nitrate of lime ..	5,368	2,935	4,643	1,157	1,255	537	(a)
Ammonium sulphate ..	1	—	4,204	18,343	12,666	14,183	(a)
Cyanamide ..	—	—	41	20	985	59	(a)
Liquid ammonia ..	8	25	135	141	75	80	(a)
Egypt—							
Nitrate of soda ..	229,739	225,195	169,720	367,057	369,245	339,138	(a)
Ammonium sulphate ..	21,479	14,300	20,807	21,797	63,620	61,895	(a)
Ammonium chloride ..	94	324	287	315	582	569	(a)
Ammonium nitrate ..	14,151	36,205	—	10	20,854	104,467	(a)
Nitro-chalk ..	—	—	—	—	—	—	(a)
Madagascar—							
Nitrogenous fertilizers ..	(a)	(a)	1,480	2,311	1,177	(a)	(a)

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Morocco (French)—							
Nitrate of soda ..	62	79	523	633	(a)	(a)	(a)
Ammonium sulphate ..	44	5	528	7,510	(a)	(a)	(a)
Morocco (Spanish)—							
Ammonium sulphate ..	89	42	105	110	(a)	(a)	(a)
Mozambique—							
Ammonium sulphate ..	—	11	—	—	—	—	—
Tunis—							
Nitrate of potash ..	5	1	6	12	16	(a)	(a)
Nitrate of soda ..	121	89	90	186	276	(a)	(a)
Nitrate of lime ..	—	—	63	—	20	(a)	(a)
Ammonium sulphate ..	—	—	—	290	1,256	(a)	(a)
Cuba—							
Nitrates of potash and soda	2,416	22,190	}	(a)	{	18,954	13,143
Ammonium sulphate ..	4,564	11,638				15,906	21,913
Anhydrous ammonia ..	87	255				217	198
Martinique—							
Ammonium sulphate ..	—	(a)	(a)	(a)	(a)	(a)	(a)
Mexico—							
Nitrates of potash and soda	12,567	15,695	11,236	(c) 19,690	(c) 15,441	(a)	(a)
Ammonium sulphate ..	990	4,371	2,899	2,914	2,415	(a)	(a)
Ammonium chloride ..	457	198	376	(a)	(a)	(a)	(a)
Ammonium nitrate ..	1,872	2,504	2,206	3,337	3,026	3,624	(a)
United States—							
Nitrates of potash and soda, crude ..	8,399	—	3,929	2,232	—	6,074	18,379
Nitrate of soda ..	636,611	758,829	482,920	496,897	643,717	603,163	549,709
Nitrate of lime ..	4	—	2,946	7,900	8,715	34,474	39,581
Ammonium sulphate ..	92,525	106,152	90,677	102,141	94,542	94,195	128,154
Ammonium chloride ..	—	2,637	328	369	821	739	5,332
Ammonium nitrate ..	283	585	987	88,786	89,860	123,836	198,948
Ammonium phosphates	82,092	82,819	81,351	93,919	96,632	112,745	95,215
Cyanamide ..	90,970	125,944	145,619	137,289	104,021	103,469	87,254
Argentina—							
Nitrate of potash ..	168	(a)	(a)	}	(a)	(a)	(a)
Nitrate of soda ..	33,261	13,785	12,572				
Ammonium sulphate ..	—	—	309				
Liquid ammonia ..	—	19	21				
Anhydrous ammonia ..	—	—	44				
Brazil (total imports)—							
Nitrate of potash ..	1,364	956	676	906	1,168	(a)	(a)
Nitrate of soda ..	42,217	29,874	34,905	69,358	36,870	(a)	(a)
Ammonium nitrate ..	18	45	10	90	75	(a)	(a)
Ammonium sulphate ..	29	437	864	1,354	134	(a)	(a)
Cyanamide ..	177	31	137	49	142	(a)	(a)
Liquid ammonia ..	113	201	266	313	153	(a)	(a)
Chile—							
Ammonium chloride ..	64	214	261	}	(a)	(a)	(a)
Ammonium sulphate ..	73	3	4				
Ammonium nitrate ..	4,145	5,003	3,248				
Liquid ammonia ..	21	19	3				
Anhydrous ammonia ..	57	100	86				
Colombia—							
Nitrate of potash ..	197	79	249	}	(a)	(a)	(a)
Nitrate of soda ..	492	2,367	2,287				
Ammonium chloride ..	(a)	17	6				
Ammonium sulphate ..	(a)	212	7				
Peru—							
Nitrate of soda (b) ..	24,358	27,971	36,625	(a)	31,025	(a)	(a)
Liquid ammonia ..	125	102	103	(a)	116	(a)	(a)

(a) Information not available.

(b) Imports of "Fertilizers" from Chile assumed to be nitrate of soda.

(c) Nitrate of soda only.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Uruguay—							
Nitrate of potash ..	147	}	(a)	(a)	(a)	(a)	(a)
Ammonium sulphate ..	88						
Ammonium chloride ..	(a)						
Liquid ammonia ..	(a)						
Venezuela—							
Nitrate of potash ..	—	31	66	50	(a)	(a)	(a)
Liquid ammonia ..	—	25	18	50	(a)	(a)	(a)
China—							
Nitrate of potash ..	}	(a)	{	214	28	(a)	(a)
Nitrate of soda ..				370	11,406	(a)	(a)
Ammonium sulphate ..				3,923	41,875	(a)	(a)
Israel—							
Nitrate of soda ..	}	(b)	(b)	(b)	(b)	148	15
Ammonium sulphate ..						7,223	14,409
Nitrogen fertilizers ..						3,745	3,943
Anhydrous ammonia ..						33	30
Japan (total imports)—							
Ammonium sulphate ..	2,953	39,368	(a)	(a)	47,215	(a)	198,144
Ammonium nitrate ..	(a)	(a)	—	239,096	276,051	(a)	73,342
Syria and Lebanon—							
Nitrates ..	2,159	2,168	3,370	(a)	(a)	(a)	(a)
Ammonium chloride ..	22	32	73	(a)	(a)	(a)	(a)
Liquid ammonia ..	8	9	1	(a)	(a)	(a)	(a)
Turkey—							
Nitrate of soda ..	45	77	—	2,252	1,372	690	69
Ammonium chloride ..	127	16	—	125	270	304	207
Ammonium sulphate ..	—	671	890	135	3,961	—	—
Ammonium nitrate ..	—	—	—	—	150	147	169
Cyanamide ..	—	370	—	—	—	—	—
Di-ammonium phosphate	—	1,385	—	—	906	—	—
Other nitrogen fertilizers	—	—	50	1,485	—	—	—

(a) Information not available.

(b) See "Palestine" under British Countries.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Crude petroleum ..	94,607	71,600	55,399	47,255	43,500	45,600	45,700
Shale oil ..	133,966	116,186	111,775	97,232	109,600	112,500	111,600
Union of South Africa							
(Shale oil) (c) ..	24,200	25,400	22,700	29,200	39,300	37,700	39,700
Canada (b) ..	1,278,405	1,073,772	960,197	973,733	1,555,273	2,696,879	3,689,354
Barbados ..	93	248	183	44	11	24	—
Trinidad (b) ..	3,077,600	3,000,000	2,877,400	2,919,000	2,872,493	2,945,246	2,947,489
Bahrain Islands (i) ..	899,432	980,014	1,073,870	1,262,336	1,463,454	1,473,096	1,476,663
Brunei ..	(e) 490,000	11,200	285,496	1,700,231	2,645,412	3,337,027	4,051,010
Burma (b) ..	(a)	37,000	—	11,570	(f)	(f)	(f)
India (b) ..	} 376,267	319,288	296,340	251,707	253,313	257,572	251,804
Pakistan ..				51,239	65,721	127,190	168,800
Kuwait (i) ..				797,350	2,815,143	6,291,577	12,183,669	17,018,666
Qatar (i) ..	—	—	—	—	—	—	1,535,420
Sarawak ..	(e) 24,000	(a)	1,000	23,964	46,597	56,752	56,601
Australia ..	—	—	—	—	120	140	160
New Zealand ..	300	372	333	336	339	965	948
TOTAL ..	6,399,000	5,635,000	6,481,000	10,183,000	15,387,000	23,275,000	31,395,000
FOREIGN COUNTRIES							
Albania ..	—	110,000	120,000	180,000	240,000	300,000	345,000
Austria ..	1,193,685	446,534	832,338	(d) 900,000	(d) 960,000	(d) 1,250,000	(d) 1,500,000
Czechoslovakia ..	26,000	25,400	23,300	36,600	35,000	48,000	49,000
France ..	61,400	27,941	50,865	49,090	50,908	70,900	125,200
Germany ..	700,209	533,329	(g) 638,900	(g) 567,506	(g) 625,700	(g) 828,284	(g) 1,100,949
Hungary ..	797,177	645,418	650,207	560,700	476,000	500,000	502,000
Italy ..	7,476	6,920	10,611	10,296	9,064	9,032	8,041
Netherlands ..	1,749	5,759	61,657	209,300	487,715	611,131	693,708
Poland ..	344,000	102,461	114,898	126,212	(d) 133,000	(d) 150,000	(d) 160,000
Roumania ..	3,469,300	4,606,000	4,189,767	3,736,393	(d) 4,084,000	(d) 4,300,000	(d) 4,400,000
U.S.S.R. (d) ..	18,000,000	20,000,000	22,000,000	26,200,000	29,500,000	33,700,000	37,000,000
Yugoslavia ..	33,001	(d) 30,000	(d) 36,000	(d) 36,000	(d) 45,000	(d) 60,000	(d) 110,000
Algeria ..	557	253	162	128	108	267	3,390
Egypt ..	1,331,575	1,328,160	1,262,053	1,312,542	1,860,736	2,209,287	2,305,925
Morocco (French) ..	4,113	3,350	2,534	2,723	12,715	17,203	38,695
Cuba ..	14,534	18,652	19,727	21,832	(a)	(a)	(a)
Mexico (b) ..	5,380,710	6,312,151	6,632,850	8,026,400	8,243,549	8,746,100	10,156,056
United States (b) ..	229,849,863	234,747,260	237,525,890	254,381,781	276,737,671	252,096,849	270,115,753
Argentina (h) ..	3,406,401	3,216,659	2,924,574	3,071,410	3,265,272	3,175,900	3,371,000
Bolivia (j) ..	47,290	57,495	54,639	56,847	69,888	102,175	(a)
Brazil ..	7,440	10,160	8,600	12,410	18,450	14,060	37,823
Colombia (b) ..	3,189,785	3,214,793	3,158,242	3,518,310	3,352,300	4,186,200	4,797,091
Ecuador ..	413,000	355,163	315,563	314,730	341,879	341,717	350,959

* Excluding Natural Gasoline. See page 210.

(a) Information not available.

(b) The following conversion rates have been used: 35 gallons=1 barrel, and the undermentioned barrels=1 ton:—Canada 7.9, Trinidad 7.0, Burma 7.4, India 7.4, Cuba 7.5, Mexico 7.1, United States 7.3, Bolivia 7.6, Colombia 7.1, Ecuador 7.5, Venezuela 6.95, Indonesia 7.5.

(c) Years ended June 25 of that stated.

(d) Estimated.

(e) Average annual production during Japanese occupation.

(f) Included under Foreign Countries.

(g) British and U.S. Zones. Western Germany after 1948.

(h) Converted from cubic metres at rate of 1 cubic metre = .8843 long tons.

(i) British Protected State.

(j) Revised.

PRODUCTION OF CRUDE PETROLEUM (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Peru	1,883,547	1,798,543	1,612,795	1,674,410	1,842,594	1,941,654	1,959,000
Venezuela	37,223,435	46,834,474	56,258,426	62,979,666	70,503,375	69,343,100	78,611,400
Burma	(c)	(c)	(c)	(c)	44,528	35,118	66,902
China (d)	62,600	60,100	65,600	52,400	80,000	100,000	135,000
Formosa	5,558	509	2,000	2,600	(a)	(a)	(a)
Indonesia (b)	3,762,000	1,065,000	306,069	1,197,425	4,258,000	5,835,900	6,313,939
Iran	13,274,243	16,839,490	19,189,551	20,192,419	24,871,058	26,807,000	31,750,000
Iraq	4,180,539	4,816,156	4,712,235	4,759,387	3,426,482	4,116,267	6,544,913
Japan	226,000	210,200	186,600	178,300	157,000	191,400	289,000
Saudi Arabia	1,039,000	2,841,500	7,992,250	11,980,260	18,751,270	22,820,783	26,196,852
Turkey	(a)	(a)	(a)	(a)	(a)	14,522	16,700
TOTAL	330,000,000	350,266,000	370,955,000	406,344,000	454,520,000	443,950,000	489,140,000
WORLD'S TOTAL ..	336,600,000	356,185,000	377,436,000	416,527,000	469,907,000	467,225,000	520,535,000

(a) Information not available.

(b) For conversion rate for 1942 to 1947 see footnote (b) on previous page.

(c) Included under British Countries.

(d) Estimated.

PRODUCTION OF NATURAL GASOLINE

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Trinidad (b)	21,020	20,680	21,250	20,570	20,700	19,260	19,485
India	—	2	111	70	—	—	(a)
FOREIGN COUNTRIES							
Poland	(a)	(a)	3,623	9,984	(a)	(a)	(a)
Roumania	136,811	136,800	128,810	113,689	(a)	(a)	(a)
Egypt	(a)	(a)	(a)	(a)	(a)	(a)	11,115
Cuba	10,800	(a)	(a)	(a)	(a)	(a)	(a)
Mexico	(a)	(a)	(a)	(a)	(a)	(a)	158,000
United States	11,481,000	12,853,000	13,282,000	15,167,000	16,837,000	17,925,000	20,623,000
Argentina	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ecuador	(a)	4,800	4,700	(a)	(a)	(a)	(a)
Peru.. .. .	107,537	109,882	106,468	104,114	110,675	136,012	(a)
WORLD'S TOTAL (c)	11,770,000	14,150,000	13,570,000	15,420,000	17,120,000	18,250,000	21,090,000

(a) Information not available.

(b) About half the production is blended with crude petroleum at field storage.

(c) Totals refer only to those countries reported above.

PRODUCTION OF NATURAL GAS*

(Million cubic feet)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Union of South Africa	(a)	(a)	(a)	9	11	12	12
Barbados	16	20	7	18	57	69	74
Canada	45,067	48,412	47,900	52,657	58,603	60,457	71,274
Trinidad	28,496	27,503	27,170	29,617	30,697	32,287	32,312
Brunei	(a)	(a)	(b) 1,000	8,933	19,837	20,483	26,617
FOREIGN COUNTRIES							
France	2,322	3,015	3,891	5,191	6,145	8,052	8,306
Germany (Bizon)	2,098	2,507	3,860	2,746	2,377	1,922	(a)
Hungary	1,547	(c) 1,420	3,221	3,560	4,136	4,414	(a)
Italy	1,738	1,475	2,264	3,285	3,818	8,341	17,807
Poland	6,554	4,590	5,153	5,236	(b) 9,147	(a)	(a)
Roumania	32,885	46,065	47,844	41,530	(a)	77,693	(a)
Mexico	25,723	26,910	27,122	35,258	37,361	41,954	59,244
United States	3,711,039	3,918,686	4,030,605	4,582,173	5,148,020	5,419,736	6,198,000
Argentina	23,378	21,507	19,998	20,578	21,411	(a)	(a)
Ecuador	2,274	2,476	2,338	3,072	(a)	(a)	(a)
Uruguay	132	111	150	104	16	(a)	(a)
Venezuela	179,682	256,385	331,394	402,589	470,393	502,741	557,111
China (d)	5	5	2,157	1,928	(a)	(a)	(a)

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural gas are published by only a few countries.

* The figures represent only that part of the gas produced which is actually utilized.

(a) Information not available.

(b) Estimated.

(c) July to December only.

(d) Partial production only.

PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Barbados (exports of manjak)	22	9	—	—	—	—	—
Trinidad	71,877	63,118	93,851	87,346	128,993	145,160	132,846
FOREIGN COUNTRIES							
Albania (estimated) ..	(a)	(a)	9,000	14,000	(a)	(a)	(a)
Italy	—	—	(a)	(a)	(a)	(a)	(a)
Spain	6,200	9,800	2,560	4,507	4,709	7,982	(a)
Angola (Libollite)	(a)	(a)	118	1,000	200	(a)	(a)
Belgian Congo—							
Bitumen	—	—	—	—	—	—	359
French Equatorial Africa—							
Bitumen	—	344	—	—	—	—	—
French West Africa—							
Bitumen	118	133	—	—	—	—	—
Cuba (c)	39,000	(b) 8,927	2,048	(a)	(a)	(a)	(a)
Mexico (exports)	6,806	2,085	429	(a)	(a)	(a)	(a)
United States (sales)—							
Gilsonite	43,796	54,708	61,078	59,969	46,537	45,948	59,095
Wurtzilite	10	—	21	15	—	—	—
Argentina—							
Rafaelite	1,824	1,471	(a)	(a)	(a)	(a)	(a)
Asphaltite	104,600	133,200	83,300	81,800	81,000	77,500	(a)
Iraq	(a)	(a)	(a)	(a)	(a)	(a)	(a)

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural asphalt are published by only a few countries.

(a) Information not available.

(b) Partial production only. Complete information not available.

(c) U.S. Bureau of Mines.

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
France	13,857	13,768	31,244	35,776	44,008	52,834	90,700
Italy	137,955	142,885	201,246	245,838	241,336	237,966	243,442
Spain (b)	4,300	7,200	3,600	4,200	5,448	7,637	(a)
Switzerland	6,447	9,235	10,173	9,346	(a)	(a)	(a)
Angola	4,393	6,159	7,340	7,294	11,958	14,764	7,301
United States (sales) ..	661,120	573,750	694,158	897,089	967,861	1,027,617	1,057,746
Indonesia	(a)	(a)	2,408	195	(a)	(a)	(a)
Philippine Republic ..	(a)	(a)	(a)	(a)	3,050	44,500	51,983
Syria	(a)	(a)	(a)	16,000	16,258	16,925	14,458

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of asphalt rock are published by only a few countries.

(a) Information not available.

(b) Revised. See Oil-shale.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	1,609,363	1,398,202	1,316,533	1,110,817	1,380,719	1,402,694	1,452,300
Union of South Africa (b)	112,527	119,275	111,891	165,816	205,318	203,867	212,613
Australia	137,458	123,170	121,654	138,427	136,352	120,956	98,487
FOREIGN COUNTRIES							
Austria	4,210	4,546	2,598	1,586	1,122	894	632
France	218,081	222,248	340,043	409,238	436,465	487,249	418,000
Italy	9,822	12,855	5,018	3,158	5	(a)	—
Spain (d)	99,232	99,574	106,129	67,745	74,465	73,321	(a)
Sweden (c)	2,325,847	1,751,282	1,843,937	1,326,960	1,376,567	1,235,787	(a)

NOTE.—Oil-shale is also produced in Germany, U.S.S.R. and Manchuria.

(a) Information not available.

(b) Torbanite. Years ended June 25 of that stated.

(c) Alum shale.

(d) Previously classified as Asphalt-rock.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Aviation and motor spirit	464,700	431,500	486,800	328,600	639,700	904,100	1,487,800
Other spirit	44,200	43,100	69,700	69,800	94,900	107,900	106,400
Kerosene	3,200	4,800	38,200	89,300	121,400	130,500	161,100
Gas oil and diesel oil ..	182,600	202,100	470,500	436,600	887,700	1,206,900	1,891,100
Fuel oil	55,000	89,600	351,100	580,300	1,359,500	2,347,600	3,805,000
do. (used in refineries)	119,900	109,700	249,900	258,200	401,300	493,500	562,700
Lubricating oil	229,700	253,700	312,600	344,100	368,100	376,900	427,000
Bitumen	254,050	278,621	459,529	433,068	532,400	561,900	636,000
Paraffin wax	13,494	11,097	11,910	15,228	14,100	14,200	16,000
Canada* (b)—							
Aviation spirit	340,519	60,873	25,385	28,977	45,815	45,153	(a)
Motor spirit	2,798,943	3,061,777	3,310,244	3,493,187	3,950,359	4,676,207	(a)
Solvent naphtha	107,587	108,133	96,819	105,716	107,478	134,792	(a)
Kerosene, etc.	205,875	264,673	430,782	343,921	463,897	510,215	(a)
Gas oil	451,942	488,482	729,299	982,988	722,935	1,156,639	(a)
Fuel oil	2,340,646	2,245,715	2,243,299	2,272,026	2,867,406	2,895,424	(a)
do. (used in refineries)	422,603	438,378	446,359	479,804	511,571	545,238	(a)
Diesel oil	359,462	455,844	507,680	711,853	757,401	814,871	(a)
Tractor oil	164,554	144,007	146,784	138,281	171,700	147,999	(a)
Lubricating oil	191,078	205,735	226,881	242,093	238,582	230,179	(a)
Grease	9,422	8,997	10,273	13,521	11,406	20,846	(a)
Coke	65,008	59,660	62,156	69,754	78,070	104,794	(a)
Asphalt	286,920	315,013	415,431	580,123	633,004	553,526	(a)
Barbados—							
Motor spirit	320	291	(a)	(a)	(a)	(a)	(a)
Kerosene	450	500	(a)	(a)	(a)	(a)	(a)
Fuel oil	2,060	1,790	(a)	(a)	(a)	(a)	(a)
Trinidad—							
Aviation spirit	(a)	(a)	(a)	(a)	78,902	129,479	174,152
Motor spirit					616,499	580,529	569,187
White spirit					654	295	338
Kerosene					59,354	63,574	60,317
Vapourising oil					167,534	195,042	163,891
Gas and diesel oil					561,193	581,609	599,359
Fuel oil					2,078,369	2,414,576	2,359,050
Lubricating oil and greases					352	345	367
Bitumen	61,098	54,847	66,361				
Other finished products	17,319	24,906	37,897				
Bahrain Islands (c)—							
Aviation spirit	—	67,897	17,654	2,935	—	—	—
Motor spirit	418,165	605,854	894,652	1,198,529	1,458,000	1,598,000	1,771,000
Kerosene	206,860	303,528	505,311	726,895	665,000	609,000	710,000
Gas oil and diesel oil ..	342,583	583,483	867,166	944,974	1,253,000	1,169,000	1,334,000
Fuel oil	305,750	858,825	1,793,629	2,776,980	3,334,000	3,356,000	2,983,000
Bitumen	(a)	(a)	(a)	(a)	(a)	45,000	68,000
India—							
Motor spirit	86,628	75,208	60,826	53,791	58,520	(a)	(a)
Kerosene	59,799	38,172	50,851	49,662	40,482	(a)	(a)
Batching oil	13,831	2,013	1,293	2,012	32,110	(a)	(a)
Other oils	96,973	86,713	8,000	10,685			
Lubricating oils			15,755	19,242			
Fuel oil			40,522	47,001	59,735	(a)	(a)
Coke	29,354	31,826	11,282	11,172	10,699	(a)	(a)
Bitumen			3,598	1,187	2,824	(a)	(a)
Paraffin wax			32,677	35,624	39,665	(a)	(a)

* See note on page 220.

(a) Information not available.

(b) Including the amounts used at the refineries. In the case of Fuel oil these amounts are shown separately.

(c) British Protected State.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950		
BRITISH COUNTRIES (Cont.)									
Pakistan—									
Motor spirit	12,606	7,783	7,097	} (a)	} (a)	—	—		
Kerosene	5,433	2,226	1,826						
Diesel oil	3,112	2,407	1,578						
Fuel oil	6,803	3,833	3,605						
Lubricating oil ..	11,623	8,571	3,945						
Greases	227	215	293						
Paraffin wax	99	18	79						
Sarawak—									
Motor spirit	(a)	(a)	230	126,800	264,097	317,980	389,857		
Vapourising oil ..	(a)	(a)	—	(a)	299	317	317		
Gas and diesel oil ..	(a)	(a)	—	843,000	1,388,663	1,393,513	1,464,440		
Australia—									
Motor spirit	3,383	5,820	30,758	140,249	206,388	256,000	254,406		
Kerosene	—	—	12,103	13,221	11,998	10,500	1,098		
Gas oil	—	—	16,966	14,283	23,998	11,000	91,525		
Diesel oil	—	—	—	—	1,950	73,000	34,201		
Fuel oil	2,870	4,195	104,811	164,964	139,971	183,000	238,686		
Lubricating oil (b) ..	9,156	6,044	5,938	10,657	23,920	23,302	11,604		
Grease (b)	7,143	4,506	3,719	4,735	9,589	9,589	5,103		
Bitumen	—	—	—	—	32,424	52,000	60,255		
FOREIGN COUNTRIES									
Belgium—									
Motor spirit	} (a)	} (a)	6,000	21,200	27,031	59,017	72,488		
Kerosene			4,000	8,100	10,357	9,830	8,950		
Fuel oil, etc.			31,000	72,700	148,468	203,244	236,180		
Lubricating oil			5,000	5,000	6,058	6,673	5,961		
Asphalt, etc.			34,000	(a)	66,906	53,721	79,161		
Denmark—									
Gas oil	(a)	(a)	(a)	200	} 7,281	} 10,271	} (a)		
Diesel oil	(a)	(a)	(a)	6,100					
Lubricating oil	4,212	4,763	8,542	9,951				9,256	7,578
Grease	217	197	656	870				1,171	941
Asphalt	(a)	(a)	16,303	13,275				14,696	23,592
France—									
Motor spirit	1,275	72,800	740,167	1,252,481	1,685,813	2,422,000	3,097,900		
Kerosene and white spirit	10,979	3,720	101,510	195,558	267,229	261,000	280,000		
Gas oil	—	39,400	421,693	599,864	1,133,468	1,740,000	2,314,900		
Fuel oil	—	124,000	880,284	1,811,008	3,839,844	5,364,000	6,632,800		
Lubricating oil	—	866	67,310	171,646	213,949	200,000	288,000		
Road oil	1,058	} 2,460	} 203,096	} 417,924	} 467,200	} 607,000	} 810,000		
Coke	(a)								
Paraffin wax	684								
Germany (c)—									
Motor spirit	} (a)	} (a)	87,400	70,800	90,500	408,000	960,478		
Diesel oil			95,700	77,200	90,000	299,400	552,450		
Lubricating oil			144,100	161,700	196,500	305,700	540,600		
Bitumen			30,600	47,600	119,800	198,300	366,550		
Hungary—									
Motor spirit	} (a)	} (a)	200,000	(a)	(a)	(a)	(a)		
Kerosene			121,000	(a)	(a)	(a)	(a)		
Gas oil			97,000	(a)	(a)	(a)	(a)		
Fuel oil			155,000	(a)	(a)	(a)	(a)		
Lubricating oil			4,000	(a)	(a)	(a)	(a)		
Italy—									
Motor spirit	2,037	1,156	11,953	296,026	407,654	600,349	741,819		
Kerosene	546	26	5,993	122,120	185,379	135,992	158,749		
Gas and diesel oil ..	2,897	28	16,885	304,111	505,836	659,692	836,560		
Fuel oil	894	397	13,464	458,852	884,628	1,408,313	1,858,589		
Lubricating oil	1,096	230	—	23,739	26,264	48,231	56,261		
Paraffin wax	24	14	—	—	—	—	—		
Coke	—	—	109	18,728	23,137	19,688	7,790		

(a) Information not available
(c) British and American zones only.

(b) Years ended June 30 of year stated.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950		
FOREIGN COUNTRIES (Cont.)									
Italy—(Cont.)									
Bitumen	751	404	—	38,703	64,282	132,953	173,629		
Turpentine substitute	174	292	—	6,865	3,426	8,160	10,499		
Other products	—	—	—	7,821	9,843	16,805	26,192		
Netherlands—									
Motor spirit	}	(a)	(a)	(a)	500,433	678,000	1,284,000		
Kerosene					763	(a)	78,000		
Diesel oil					186,829	513,000	968,000		
Residual fuel oil					598,640	1,261,000	2,716,000		
Lubricating oil					1,709	1,400	20,000		
Coke					111,002	(a)	(a)		
Asphalt				134,861	(a)	(a)			
Poland—									
Motor spirit	3,082	(a)	33,796	46,582	(a)	(a)	(a)		
Kerosene	}	(a)	17,150	29,138	(a)	(a)	(a)		
Gas oil and light oils			29,562	33,303	(a)	(a)	(a)		
Lubricating oil			19,279	28,073	(a)	(a)	(a)		
Greases			2,182	3,393	(a)	(a)	(a)		
Paraffin wax			8,268	8,138	(a)	(a)	(a)		
Petroleum jelly				627	564	(a)	(a)		
Asphalt			9,391	3,466	(a)	(a)			
Coke			1,231	1,719	(a)	(a)			
Portugal—									
Motor spirit	}	(a)	(a)	(a)	63,220	67,506	(a)		
Kerosene					23,845	46,346	(a)		
Gas and diesel oil					40,011	40,504	(a)		
Fuel oil					112,972	119,581	(a)		
Roumania—									
Motor spirit	845,327	1,322,096	1,085,793	1,068,687	(a)	(a)	(a)		
White spirit	79,000	98,000	65,000	14,130	(a)	(a)	(a)		
Kerosene	298,417	450,549	514,662	460,719	(a)	(a)	(a)		
Gas oil (b)	384,933	579,874	507,000	443,285	(a)	(a)	(a)		
Fuel oil (b)	1,059,515	1,729,809	1,456,000	1,262,992	(a)	(a)	(a)		
Lubricating oil	68,000	95,603	100,000	81,237	(a)	(a)	(a)		
Paraffin wax	3,000	4,200	4,900	6,995	(a)	(a)	(a)		
Coke	5,882	3,468	4,900	8,774	(a)	(a)	(a)		
Asphalt	42,368	33,534	49,000	35,982	(a)	(a)	(a)		
Other products	40,356	36,196	8,722	14,198	(a)	(a)	(a)		
Sweden—									
Motor spirit	}	25,647	55,972	52,907	51,308	68,631	139,587		
White spirit			2,244	1,939	4,254	(a)	(a)		
Kerosene			7,156	12,612	20,233	29,074	36,719		
Fuel oil, etc.			44,039	63,744	373,346	408,645	365,163	304,544	695,960
Lubricating oil			3,043	2,728	5,802	10,208	16,055	27,594	(a)
Asphalt			1,550	2,693	17,730	56,428	75,930	69,276	89,570
Canary Islands—									
Motor spirit	45,000	60,000	145,000	185,000	185,000	116,837	187,585		
Kerosene	10,000	15,000	20,000	20,000	30,000	15,747	37,287		
Gas oil	15,000	20,000	50,000	55,000	140,000	136,238	154,976		
Diesel oil	(a)	(a)	(a)	(a)	(a)	(a)	59,309		
Fuel oil	46,000	60,000	200,000	200,000	270,000	224,196	319,516		
Lubricating oil	(a)	(a)	(a)	(a)	(a)	(a)	6,171		
Asphalt	3,000	3,000	10,000	10,000	10,000	21,399	56,462		
Egypt—									
Motor spirit	182,586	180,805	193,225	195,215	191,524	209,694	191,247		
Kerosene	64,415	66,852	65,845	70,424	97,456	114,190	147,508		
Gas, diesel and fuel oils	832,061	803,010	749,567	759,505	1,313,572	1,600,504	1,716,781		
Asphalt	170,099	170,099	173,356	138,310	62,763	88,706	79,110		
Morocco (French)—									
Motor spirit	1,492	1,224	703	755	873	1,136	2,470		
Kerosene	230	158	71	181	—	—	3,381		
Diesel oil, fuel oil, etc.	2,236	1,867	1,087	1,725	8,124	12,196	31,760		

(a) Information not available.

(b) Excluding the amounts used at the refineries.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Cuba—							
Motor spirit	(a)	(a)	56,200	61,500	65,100	78,300	76,800
Turpentine substitute	(a)	(a)	1,000	—	(a)	(a)	(a)
Kerosene	(a)	(a)	27,500	34,700	38,200	50,000	64,500
Gas oil and diesel oil	(a)	(a)	58,800	62,800	59,400	64,900	56,200
Fuel oil	(a)	(a)	(a)	(a)	21,700	25,200	33,200
Lubricating oil	(a)	(a)	10,600	21,900	(a)	(a)	(a)
Asphalt	39,000	(a)	27,600	29,700	(a)	(a)	(a)
Mexico—							
Motor spirit	1,745,000	1,877,000	2,069,000	1,035,000	1,133,000	1,210,000	1,343,112
Kerosene	464,000	550,000	607,000	524,000	534,000	591,000	568,926
Fuel oil	3,211,000	3,439,000	3,757,000	3,829,000	3,704,000	4,105,000	3,969,772
Gas oil	670,000	685,000	768,000	756,000	696,000	752,000	713,108
Lubricating oil	51,000	49,000	46,000	33,000	38,000	31,000	26,265
Paraffin wax	20,600	27,800	26,400	13,200	11,500	10,600	11,900
Asphalt	135,000	174,000	360,000	263,000	149,000	150,500	126,400
United States*—							
Aviation spirit	21,809,000	16,933,000	2,824,000	3,922,000	5,138,000	5,217,000	5,687,000
Motor spirit (b)	62,307,000	74,108,000	86,200,000	92,343,000	100,488,000	104,981,000	111,686,000
Kerosene	9,971,000	10,312,000	13,285,000	14,052,000	15,516,000	13,001,000	15,083,000
Gas oil and fuel oil distil- lates	33,481,300	34,891,400	40,305,400	43,704,200	53,298,000	47,534,000	55,848,000
Residual fuel oil	67,295,500	68,467,600	62,907,200	65,303,400	68,004,600	61,954,200	62,011,000
Lubricating oil	5,754,800	5,861,400	6,390,300	7,247,100	7,198,200	6,354,500	7,242,900
Paraffin wax	360,375	365,125	375,375	453,000	439,000	401,000	556,750
Coke	1,610,200	1,806,200	1,896,600	2,156,600	2,588,200	3,028,400	3,075,700
Asphalt	6,246,500	6,363,000	7,290,700	8,001,000	8,428,400	7,955,700	9,454,500
Road oil	247,500	427,000	928,000	1,125,000	1,259,000	1,224,600	1,102,200
NetherlandsWest Indies (c)—							
Aviation spirit	1,015,000	779,000	409,000	508,000	3,113,400	2,167,916	634,944
Motor spirit	2,316,000	3,131,000	4,194,000	4,295,000	2,676,540	3,221,279	4,754,851
Kerosene	726,000	659,000	1,197,000	1,462,000	1,279,539	1,277,021	1,997,981
Gas oil	546,000	1,148,000	2,164,000	2,113,000	1,984,314	2,119,636	d 3,234,284
Fuel oil	17,562,000	19,771,000	19,632,000	22,245,000	24,752,339	23,348,470	e 25,565,943
Diesel oil	1,398,000	1,642,000	1,943,000	2,317,000	3,630,522	2,710,883	e 1,402,462
Lubricating oil	91,000	61,000	194,000	132,000	237,133	303,969	232,620
Asphalt	107,352	169,000	114,000	211,000	73,379	203,510	323,394
Argentina—							
Aviation spirit	12,921	10,406	11,663	8,660	9,148	9,497	(a)
Motor spirit	799,069	748,721	954,872	1,076,561	1,202,311	1,201,300	1,503,000
Kerosene	285,920	291,920	427,600	445,600	(a)	(a)	547,000
Fuel oil	1,500,655	1,497,319	1,421,137	1,557,115	1,866,360	1,978,950	2,479,000
Gas oil	52,292	49,838	66,931	69,300	117,388	167,440	700,000
Diesel oil	228,766	207,109	276,203	284,797	378,722	385,470	98,000
Lubricating oil	87,032	82,192	76,120	86,856	100,480	96,260	98,000
Bolivia—							
Motor spirit	11,022	13,015	12,623	15,518	20,223	38,283	37,800
Kerosene	1,720	2,688	3,044	3,146	4,243	5,251	9,200
Fuel oil	9,330	17,467	10,354	11,836	12,932	25,741	24,000
Diesel oil	1,820	2,670	2,414	2,855	3,527	5,793	5,900
Brazil—							
Motor spirit	11,357	(a)	14,575	14,087	14,361	(a)	(a)
Other spirit	4,291	(a)	(a)	(a)	(a)	(a)	(a)
Kerosene	4,376	(a)	6,950	4,843	3,910	(a)	(a)
Gas oil	(a)	(a)	2,831	1,414	(a)	(a)	(a)
Diesel oil	11,771	(a)	8,665	10,438	16,174	(a)	(a)
Fuel oil	7,066	(a)	13,363	14,150	19,361	(a)	(a)
Lubricating oil	935	(a)	404	529	382	(a)	(a)

* See note on page 220.

(a) Information not available.

(b) Revised. Figures previously referred to production from crude petroleum only but now include production from natural gasoline.

(c) Exports for the years 1948 to 1950.

(d) Includes some Diesel oil.

(e) Some Diesel oil is included with Gas oil.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Colombia—							
Aviation spirit	(a)	(a)	(a)	11,600	7,700	11,539	9,527
Motor spirit	128,233	130,000	141,000	184,000	155,000	207,483	221,891
Other spirit	1,514	1,900	2,500	2,200	4,000	(a)	(a)
Kerosene	22,419	23,000	23,000	31,000	30,500	40,903	42,965
Gas oil	6,088	6,000	5,000	7,000	1,400	1,611	6,645
Fuel oil	387,126	451,000	484,000	760,000	686,000	889,592	894,050
Diesel oil	26,589	27,000	31,000	42,000	48,400	65,663	75,624
Lubricating oil	5,098	5,000	7,000	6,000	6,000	9,687	10,946
Asphalt	14,124	10,000	15,000	19,000	22,000	29,500	24,800
Ecuador—							
Motor spirit	25,590	33,000	33,365	45,300	51,020	59,030	62,797
Kerosene	7,466	9,000	9,792	11,600	11,900	13,890	15,515
Diesel oil	14,540	18,000	16,208	26,400	34,500	36,970	7,850
Residual fuel oil	68,700	68,000	83,600	85,000	81,200	97,400	100,743
Gas oil	166	130	223	840	(a)	(a)	(a)
Lubricating oil	541	280	340				
Peru—							
Motor spirit	463,315	442,855	393,973	411,191	456,418	460,000	569,000
Kerosene	132,418	125,689	109,961	95,286	114,154	137,964	151,000
Diesel oil	371,334	426,482	409,171	440,430	160,953	188,672	188,000
Fuel oil	887,549	785,309	514,096	421,010	817,901	820,021	800,000
Lubricating oil	5,390	7,489	8,017	9,924	9,761	9,500	11,000
Coke	95	52	179	221	305	(a)	(a)
Asphalt	11,548	8,954	5,835	11,551	9,747	12,700	(a)
Uruguay—							
Motor spirit	47,374	60,312	91,184	93,245	140,316	118,632	147,831
Kerosene	26,058	34,526	53,709	62,145	87,807	92,492	104,699
Gas oil	22,028	26,137	30,432	32,834	42,870	44,368	51,813
Fuel oil	51,682	136,903	137,456	193,301	410,998	411,879	398,495
Venezuela—							
Motor spirit	292,000	347,000	443,000	450,000	463,694	703,166	1,641,826
Kerosene	52,000	63,000	72,000	92,000	88,957	348,147	327,482
Gas oil	15,000	8,000	246,000	6,000	7,900	240,300	767,700
Diesel oil	747,000	734,000	736,000	937,000	926,000	946,900	1,612,100
Fuel oil	2,442,000	3,335,000	3,304,000	3,563,000	4,547,834	4,999,954	7,471,212
Asphalt	—	—	—	25,000	38,000	46,000	105,000
Burma—							
Motor spirit	} (a)	} (a)	} —	2,798	8,756	7,980	15,998
Kerosene				445	5,168	5,309	11,328
Diesel oil				189	4,742	5,236	10,879
Fuel oil				7,338	18,573	13,330	22,637
Indonesia—							
Motor spirit	(a)	(a)	(a)	339,000	(a)	(a)	(a)
Kerosene	(a)	(a)	(a)	205,000	(a)	(a)	(a)
Fuel oil, solar oil and diesel oil	(a)	(a)	(a)	981,000	(a)	(a)	(a)
Asphalt	(a)	(a)	(a)	10,700	(a)	(a)	(a)
Iran—							
Motor spirit, etc.	3,050,000	3,320,200	3,211,700	3,251,300	3,822,800	4,202,000	4,315,500
Kerosene, etc.	840,400	1,130,000	1,825,900	1,663,500	1,867,500	2,210,100	2,478,400
Gas, diesel and fuel oils	8,111,400	10,805,100	11,768,400	12,087,300	13,778,200	15,310,800	16,855,000
Other products	218,300	175,900	94,200	171,000	223,400	221,100	243,100
Iraq—							
Motor spirit	43,800	41,200	46,800	59,600	69,600	66,000	68,200
Kerosene	38,800	49,300	56,400	61,600	67,100	73,500	79,500
Gas, diesel and fuel oils	158,000	182,700	194,800	215,000	224,300	217,000	267,700

(a) Information not available.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Japan—							
Aviation spirit	187,361	1,040	—	—	—	—	—
Motor spirit	74,310	31,339	21,498	19,006	14,687	18,686	292,678
Kerosene	63,804	31,101	20,139	20,407	23,373	20,791	60,915
Gas oil	76,389	13,950	7,259	9,412	8,153	12,731	95,811
Diesel oil	283,686	75,108	62,167	34,997	22,561	20,736	188,966
Fuel oil	209,570	21,591	9,987	594	25,913	25,418	536,912
Lubricating oils	151,329	49,584	42,805	35,541	35,214	38,983	138,669
Other oils	15,247	15,331	18,879	18,098	20,674	27,664	93,139
Lebanon—							
Motor spirit	38,075	44,076	46,110	48,754	52,031	60,611	93,860
Kerosene	23,346	23,636	26,833	26,997	27,481	32,941	60,249
Gas oil	22,142	28,000	29,180	32,879	35,818	44,632	84,249
Fuel oil	103,403	116,853	118,091	128,785	136,404	144,255	234,844

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Aviation spirit (bunkers) (b)	102	429	14,225	37,944	46,309	(a)	(a)
Motor spirit	18,366	1,613	6,271	78,340	20,607	53,710	95,660
Other spirit	288	1,148	7,765	1,818	2,028	4,021	11,929
Kerosene	18	58	500	4,039	2,089	17,183	28,601
Gas oil	—	—	8,329	44,600	16,137	33,945	72,897
Diesel oil	(c)	(c)	18	9	1	20,540	144,536
Fuel oil	1,401	1,016	1,417	46,266	22,832	146,163	609,167
do. (bunkers) (b)	1,801,766	1,739,963	1,683,192	1,957,462	1,983,254	2,031,746	2,228,369
Lubricating oil	5,925	16,362	135,623	116,770	114,574	123,264	126,752
Other refined oils	41	133	1,288	2,267	3,297	2,485	5,319
Mineral jelly	6	40	474	113	112	218	267
Paraffin wax	4	933	577	3,536	2,655	1,654	2,783
Malta—							
Aviation spirit (bunkers) (b)	(a)	(a)	—	—	10,683	7,866	14,664
Gas oil (bunkers) (b)	(a)	(a)	367	2,272	980	2,712	2,000
Fuel oil (bunkers) (b)	(a)	(a)	4,751	11,119	11,236	9,379	—
Gold Coast (b)—							
Aviation spirit (bunkers)	—	—	—	—	2,557	2,574	1,923
Motor spirit (bunkers)	1,219	214	19	1,604	101	1	3
Gas oil (bunkers)	(a)	(a)	(a)	(a)	733	1,123	1,207
Fuel oil (bunkers)	26,882	14,796	14,491	12,057	20,084	14,298	28,031
Kenya (d)—							
Bunkers (b)—							
Motor spirit	} 502	} 358	} 1,121	} 4,060	} 5,853	} 4,184	} 5,199
Aviation spirit							
Fuel oil							
Lubricating oil							
Nigeria (bunkers)—	50,930	29,387	101,350	84,728	128,299	142,754	135,478
Gas oil (b)	} —	} 639	} 819	} 2,470	} 2,945	} 2,410	} 3,115
Fuel oil (b)							
Sierra Leone (bunkers)—	—	—	—	—	—	—	248
Aviation spirit (b)	—	—	—	—	—	885	412
Fuel oil (b)	—	—	—	—	—	—	—
Tanganyika (b)—							
Aviation spirit (bunkers)	—	—	—	—	1,376	610	897
Uganda (b)—							
Aviation spirit (bunkers)	(e)	(e)	(e)	(e)	(e)	1,807	1,568
Union of South Africa—							
Fuel oil (bunkers) (b)	166,892	224,504	232,740	268,071	392,135	444,487	(a)
Asphalt and bitumen	173	105	68	955	3,618	3,295	(a)
Canada (f)—							
Crude petroleum	—	—	—	35	98	—	—
Motor spirit	74,811	186,311	33,052	23,300	28,762	6,621	406
Kerosene, etc.	3,768	24,015	10,837	342	1,222	610	538
Fuel oil	194,979	135,899	84,490	113,028	264,962	105,273	2,668
do. (bunkers)	} 1,223,000	} 1,206,000	} 906,000	} 1,057,000	} 925,936	} 943,150	} (a)
Diesel oil (bunkers)							
Lubricating oil							
Other oils							
Mineral wax	1,863	575	848	1,605	3,008	1,673	1,675
Mineral wax	51	817	5,676	19,413	14,588	2,278	336
Petroleum coke	24,200	19,875	13,018	24,480	29,041	19,322	60,985

* Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons :
—Aviation spirit 315, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245, Asphalt 220, Road oil 220.

(a) Information not available.

(c) Included with Fuel oil.

(d) Including Uganda up to 1948 inclusive.

(e) Included with Kenya up to 1948 inclusive.

(f) Including Newfoundland from April 1, 1949.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950							
BRITISH COUNTRIES (Cont.)														
Newfoundland (g)—														
Fuel oil (bunkers) (h) ..	155,495	38,166	20,257	27,816	74,289	(g)	(g)							
British Guiana (b)—														
Aviation spirit (bunkers)	170	48	49	297	333	278	309							
British West Indies—														
Barbados—														
Manjak	22	9	—	—	—	—	—							
Bermuda—														
Bunkers (b) (e)—														
Aviation spirit ..	(a)	(a)	(a)	(a)	11,438	18,425	20,136							
Motor spirit ..								281	217	189				
Kerosene								386	370	137				
Fuel oil								13,408	3,158	4,022				
Diesel oil								2,497	5,089	479				
Lubricating oil ..								22	17	4				
Jamaica—														
Bunkers (b)—														
Aviation spirit ..	—	2,863	3,015	1,348	(a)	(a)	(a)							
Motor spirit	1,367	—	9	24	4	(a)	(a)							
Gas oil (c)	43	7,617	24	—	(a)	(a)	(a)							
Diesel oil (c) ..	19,732	12,242	16,030	1,477	4,384	(a)	(a)							
Fuel oil (c)	15,729	11,883	19	5,550	26,496	(a)	(a)							
Trinidad and Tobago—														
Crude petroleum ..	44	23	12,869	125,911	298,525	280,803	335,048							
Motor spirit	627,060	152,997	538,807	613,369	614,410	634,125	633,471							
do. (bunkers) ..								423,173	4,865	6,952	7,403	8,129	8,284	
Kerosene								84,632	387,460	233,849	216,124	238,164	227,705	
do. (bunkers) ..								57,435	97,578	67	137	178	199	
Gas oil								73,624	15,157	101,241	106,479	220,390	276,978	284,142
do. (bunkers) ..									89,963	28,139	42,450	57,685	42,190	27,396
Fuel oil	1,003,656	179,829	507,693	777,339	1,135,084	1,373,827	1,337,684							
do. (bunkers) ..	931,000	1,769,335	1,175,161	1,212,682	1,028,550	1,177,823	1,084,217							
Lubricating oil ..	26	10	46	248	115	131	63							
Road oil	3,967	5,427	9,302	7,479	9,096	11,938	16,927							
Asphalt—														
Crude	227	536	—	41	16	27	—							
Dried	16,958	9,990	26,563	32,364	41,988	47,962	46,659							
Asphalt cement ..	14,067	6,551	23,241	24,295	49,369	29,393	23,433							
Bituminous asphalt ..	4,215	11,351	40,451	26,351	60,896	45,480	62,304							
Aden—														
Fuel oil (bunkers) (b) ..	420,337	404,301	694,861	1,112,301	1,575,169	2,138,491	3,720,861							
Bahrain Islands (f)—														
Aviation spirit	(a)	36,012	46,838	5,407	12,699	14,207	19,555							
Motor spirit	445,574	576,148	893,762	1,193,854	1,448,023	1,562,756	1,704,725							
Kerosene	230,077	288,532	507,404	697,114	674,490	669,190	595,288							
Diesel oil	316,985	571,081	860,019	968,496	1,191,181	1,180,995	1,277,940							
Fuel oil	323,645	833,048	1,798,609	2,756,799	3,231,716	2,903,215	3,400,630							
Asphalt	—	—	—	—	14,411	42,639	66,690							
Brunei—														
Crude petroleum (d) ..	(a)	(a)	184,407	1,689,963	2,641,516	3,200,440	4,057,462							
Natural gas (1,000 cubic feet)	(a)	(a)	(a)	893,344	1,260,126	1,663,516	1,822,776							
Ceylon (bunkers) (b)—														
Gas oil	—	—	—	—	55	333	1,311							
Diesel oil	57,639	70,414	54,524	52,096	65,114	83,531	79,849							
Fuel oil	443,714	557,121	239,560	247,564	314,897	449,761	479,298							
Lubricating oil	182	218	128	96	158	233	166							

(a) Information not available.

(b) Foreign produce. See imports.

(c) Amounts imported for bunkers. The amounts actually shipped are not available.

(d) Exported to Sarawak for refining. Some is, however, re-exported from Sarawak and shown as exports from that country. See under Sarawak on page 222.

(e) Including bunkers for military forces.

(f) British Protected State.

(g) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(h) Amounts imported for bunkers. The amounts actually shipped are not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Hong Kong (re-exports)—							
Motor spirit	(a)	(a)	49,338	74,506	57,333	55,968	52,503
Kerosene			79,174	54,143	41,372	37,912	26,299
Fuel oil and gas oil			2,401	1,721	63,316	74,662	55,297
Diesel oil			24,154	55,020			
Lubricating oil			6,022	7,244	(a)	(a)	(a)
Greases			109	114	(a)	(a)	(a)
Petroleum jelly			1,386	319	484	1,203	1,204
Paraffin wax			1,055	1,891	3,863	6,997	9,308
India—							
Aviation spirit (bunkers) (d)	2,676	7,376	11,336	17,703	6,622	8,972	10,910
Motor spirit (e)	34	—	290	—	—	—	—
Fuel oil (bunkers) (d)	168,296	203,032	198,808	95,518	22,412	22,897	34,490
Paraffin wax	16,370	14,128	16,409	15,850	11,973	13,104	19,721
Kuwait (g)—							
Crude petroleum	—	—	768,441	2,113,646	6,224,815	12,010,102	15,797,037
Malaya (including re-exports)—							
Aviation spirit	(a)	(a)	(a)	(a)	115,657	111,436	80,945
do. do. (bunkers)			(a)	5,805	6,926	9,221	10,916
Motor spirit			102,815	136,379	182,567	300,993	514,384
Kerosene			90,320	50,088	105,890	89,978	113,366
Vapourising oil			(a)	(a)	13,787	32,662	52,533
Gas oil			(a)	(a)	50,946	72,830	157,814
Diesel oil			(a)	(a)	219,404	328,364	445,221
Fuel oil			101,038	236,902	274,268	609,044	577,081
do. (bunkers)			(a)	278,250	349,055	469,891	595,500
Lubricating oil			1,714	5,249	7,023	4,778	4,191
Other petroleum products			6	33	23	65	131
Paraffin wax			81	23	151	356	361
Asphalt and bitumen	424	403	1,485	1,307	1,225		
Palestine—							
Motor spirit	258,775	255,246	380,318	(a)	(a)	(a)	(a)
Kerosene	170,400	199,500	265,060	(a)	(a)	(a)	(a)
Fuel oil, gas oil and diesel oil	351,996	900,062	1,616,769	(a)	(a)	(a)	(a)
Asphalt	13,492	9,229	21,955	(a)	(a)	(a)	(a)
Sarawak—							
Crude petroleum (b)	(a)	(a)	(c) 219,418	706,675	1,169,665	1,768,681	2,356,997
Motor spirit			(c) 1,591	48,879	122,699	160,136	228,295
Kerosene			(c) 26	25,351	—	189	218
Diesel oil			(c) —	854,841	1,307,533	1,340,139	1,415,875
do. (bunkers)			(c) —	36,527	31,812	43,678	54,569
Lubricating oil			(c) —	1	—	—	—
Australia—							
Crude petroleum	—	16	13	1,948	—	7	—
Aviation spirit (bunkers) (d)(f)	4	(a)	959	1,902	3,265	4,095	(a)
Motor spirit, etc.	37,552	3,210	1,435	690	2,233	—	(a)
Kerosene	409	265	512	1,163	208	1,912	4,978
Lubricating oil	96	184	643	2,214	203	2,249	2,551
Residual and solar oils	7,503	17	77	471	1,364	5,456	7,620
Fuel oil (bunkers) (f)—							
Domestic produce	15,533	19,472	8,804	58,562	32,974	52,598	(a)
Foreign produce	584,919	777,889	681,117	306,569	309,824	385,298	(a)
Paraffin wax, etc.	75	57	198	82	11	7	6

(a) Information not available.

(b) Including crude petroleum imported from Brunei.

(c) April 15 to December 31 only.

(d) Foreign produce. See imports.

(e) Includes trade by land as recorded.

(f) Years ended June 30 of that stated.

(g) British Protected State.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES (Cont.)								
Fiji—								
Aviation spirit(bunkers)(g)	(a)	(a)	221	2,652	3,371	3,751	3,781	
Fuel oil (bunkers)(g) ..	5,542	3,872	6,370	3,795	5,334	6,138	548	
Diesel oil (bunkers)(g) ..					979	1,791	627	
New Zealand—								
Fuel oil (bunkers)(d) ..	35,956	(a)	(a)	(a)	42,867	21,709	33,100	
Lubricating oil(bunkers)(g)	(a)	(a)	(a)	(a)	325	687	723	
FOREIGN COUNTRIES								
Austria—								
Crude petroleum	(a)	(a)	(a)	5,015	527	—	—	
Kerosene.. .. .				—	993	9,932	—	
Gas oil				—	204	1,980	15,367	7,736
Fuel oil				—	—	18,123	11,554	39,565
Lubricating oil, etc. ..				—	—	496	—	282
Belgium-Luxemburg E.U.—								
Crude petroleum	—	(a)	(a)	(a)	6,328	154	—	
Motor spirit	61	(a)	(a)	(a)	5,019	6,741	31,473	
Kerosene.. .. .	—	(a)	(a)	(a)	45	58	1,937	
Gas oil	22	(a)	(a)	763,411	650,840	70,331	37,594	
do. (bunkers)(b) .. .						17,710	20,888	
Fuel oil, etc.	19	(a)	(a)	763,411	650,840	33,416	14,593	
do. (bunkers)(b) .. .						234,800	200,692	
Lubricating oil	—	(a)	(a)	763,411	650,840	48,723	59,649	
do. (bunkers)(b) .. .						3,739	2,690	
Other heavy oils	—	—	—	—	—	1,087	31	
Petroleum jelly	—	—	—	—	76	21	117	
Paraffin wax	—	—	—	—	264	699	93	
Ozokerite and ceresin ..	2	—	—	—	236	291	267	
Asphalt and bitumen ..	69	—	—	—	—	(a)	(a)	
Residual asphalt, etc. ..	—	—	—	—	236	129	(a)	
Czechoslovakia—								
Lubricating oil, etc. ..	(a)	(a)	1,252	1,261	(c) 166	(a)	(a)	
Paraffin wax			2	52	(c) 62	(a)	(a)	
Asphalt products			1,006	404	(c) 414	(a)	(a)	
France—								
Crude petroleum	(a)	—	1	84	3,441	11,223	8,620	
Motor spirit	(a)	505	107,054	184,600	198,493	542,710	609,744	
Kerosene.. .. .	(a)	—	3,852	46,751	48,361	76,068	87,671	
Lubricating oil	77	73	4,507	10,799	3,423	7,838	24,346	
Gas oil	(a)	603	31,866	61,179	188,284	806,350	1,332,154	
Fuel oil	787	15,462	180,335	250,140	439,393	747,324	1,101,330	
Road oil, etc.	(a)	—	8,082	21,578	(a)	(a)	(a)	
Petroleum jelly	(a)	—	22	42	29	24	73	
Paraffin wax	6	18	75	372	14	442	2,411	
Ozokerite, ceresin, etc.	154	2	15	19	20	33	7	
Petroleum coke, etc. ..	423	—	624	1,567	148	25	171	
Asphalt and bitumen ..	(a)	411	788	2,610	2,743	4,336	12,144	
Germany—								
Crude petroleum	(e) 2,472	(a)	(f) —	(f) 39,000	(f) 280,000	—	1	
Motor spirit	() 128,581		(f) 260,000	(f) 359,000	(f) 448,000	6	202	
Kerosene.. .. .	(e) 58,403		—	—	—	—	—	
Gas oil	(e) 191,602		—	—	—	1,131	154	
Fuel oil	(e) 552		—	—	—	(b) 84,225	96,220	
Lubricating oil	(e) 72,303	—	(a)	(a)	—	90	3,776	
Paraffin wax	(e) 3,657	—	—	—	—	6	—	
Ozokerite, etc.	(e) 4,320	—	—	—	60	425	387	
Asphalt	(e) 1,706	—	—	—	249	4,002	1,028	

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) January to October only.

(d) Foreign produce. Excluded from imports.

(e) January to July only.

(f) Bizonal area.

(g) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Hungary—							
Crude petroleum	(a)	(a)	34,857 40,473 29,889 29,458 65,962	236,700	(a)	(a)	(a)
Kerosene							
Gas oil							
Fuel oil							
Lubricating oil							
Italy—							
Motor spirit	(a)	(a)	(a)	103 3 6 1,642 629 1 836	2,900 4,612 8 3,498 3,526 10 4,838	100,039 61,214 33 75,003 37,128 8 6,386	242,433 111,806 6 150,618 294,178 5 15,604
Kerosene							
Lubricating oil							
Gas oil							
Fuel oil							
Paraffin wax							
Asphalt and bitumen							
Netherlands—							
Crude petroleum	(a)	(a)	4 (a) 1,231 3 168 48,596 — 78,443 95 6 15 48 221 35,235 — — —	1 (a) 23 1 3,290 98,521 10,235 312,056 610 34 122 66 346 59,144 — 1,149 24,965	— 19,651 68,273 — 30,437 124,406 94,471 320,681 7,890 (a) 590 268 2,203 59,660 25 3,868 36,309	— 24,720 238,831 — 235,914 188,500 546,972 384,558 20,248 (a) 311 634 1,789 59,381 — 798 18,950	— 24,364 587,033 53 599,767 257,769 1,500,996 537,757 55,036 (a) 1,624 4,518 1,533 96,506 397 644 15,773
Aviation spirit (bunkers)							
Motor spirit							
Kerosene							
Gas oil							
do. (bunkers) (c)							
Fuel oil							
do. (bunkers) (c)							
Lubricating oil							
Greases							
Petroleum jelly							
Paraffin wax							
Ozokerite and ceresin							
Asphalt							
Natural asphalt							
Petroleum coke							
do. (bunkers)							
Norway—							
Motor spirit	—	3	31	94	124	69	(a)
Kerosene	—	4	5	11	17	24	(a)
Fuel oil and solar oil	—	96	570	2,668	26,629	1,440	(a)
Residual oils, etc.	2	23	34	90	82	37	(a)
Portugal—							
Motor spirit	15	4	9	15	6	—	(a)
Kerosene	6	7	12	8	4	28	(a)
Fuel oil (bunkers) (e)	537	241	342	604	5,965	2,238	(a)
Lubricating oil, etc.	83	172	65	191	215	73	(a)
Other oils	17	19	12	4	4	4	(a)
Roumania—							
Crude petroleum	286,000	20,703	5,835	(a)	(a)	(a)	(a)
Motor spirit	859,000	1,252,641	1,051,462	876,755	(a)	(a)	(a)
Kerosene	222,000	344,440	326,466	270,925	(a)	(a)	(a)
Fuel oil and gas oil (d)	600,000	1,433,847	785,195	626,667	(a)	(a)	(a)
Other oils	88,000	55,231	57,889	55,998	(a)	(a)	(a)
Paraffin wax	384	1,973	3,231	5,912	(a)	(a)	(a)
Asphalt	22,247	12,978	5,112	6,820	(a)	(a)	(a)
Petroleum coke	3,570	—	10	—	(a)	(a)	(a)

(a) Information not available.

(b) Including bunkers.

(c) Including imported oil.

(d) Including bunkers.

(e) Bunkers on foreign ships only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Spain—								
Motor spirit	(a)	{	37,831	5,008	3	65	227	(a)
Kerosene.. .. .			3	5	8	—	4	(a)
Diesel oil			42	—	5	—	—	(a)
Lubricating oil			78	14	98	110	33	(a)
Asphalt			296	252	57	41	—	(a)
Sweden—								
Motor spirit	—	13	3,084	119	481	13,757	18,579	
Kerosene.. .. .	—	1	9	129	—	1	1,335	
Fuel oil and gas oil	—	1,113	12,250	20,016	—	2	17,126	
Lubricating oil	1,352	119	994	338	300	465	342	
Other oils	1	—	403	1,178	668	—	—	
Paraffin wax	—	4	66	—	—	—	42	
Petroleum jelly	—	15	22	25	—	—	—	
Ozokerite and ceresin	—	1	50	19	—	—	15	
Asphalt	—	275	69	182	76	1,470	113	
Pitch	20	44	1,393	2,710	4,107	13,229	23,214	
Switzerland—								
Motor spirit	—	1	83	407	1,025	106	3,381	
Fuel oil	—	—	1	—	—	—	—	
Lubricating oil and grease	1	3	63	221	275	123	102	
Petroleum jelly	—	—	67	34	12	16	2	
Asphalt and bitumen	—	5	238	702	2,961	3,378	3,013	
Paraffin wax and ceresin	—	—	2	88	72	239	17	
Algeria—								
Motor spirit	250	134	379	603	12	110	4	
Kerosene.. .. .	12	10	2	6	26	5	4	
Gas oil	91	149	46	16	42	2	13	
Fuel oil	—	—	147	6	133	5	6	
Fuel oil and gas oil (b)	—	3,806	45,214	271,240	409,365	(a)	(a)	
Lubricating oil	33	3	9	95	12	24	23	
Bitumen	—	1	—	—	267	(a)	(a)	
Canary Islands (c)—								
Petroleum products	(a)	26,625	127,962	272,628	} 1,539,644	{ 38,653	(a)	
do. (bunkers)	(a)	8,767	283,107	658,798			{ 1,386,538	(a)
Cape Verde Islands—								
Fuel oil (bunkers) (c)	8,563	(a)	(a)	(a)	(a)	(a)	(a)	
Ceuta (c)—								
Petroleum products	(a)	2	22	52	} 134,226	214,400	(a)	
do. (bunkers)	(a)	100	11,054	53,762				
Egypt—								
Motor spirit	100	35	—	12	59	760	(a)	
Kerosene.. .. .	3	3	2	1	1	1	(a)	
Fuel oil, etc.	—	—	14	—	—	—	(a)	
do. (bunkers for foreign ships)	194,868	148,742	261,258	115,908	283,176	419,645	(a)	
Lubricating oil	10	—	—	—	—	—	(a)	
Asphalt, etc.	56,748	54,422	161,335	82,272	43,529	22,540	(a)	
Melilla—								
Petroleum products	(a)	1,285	1,031	1,067	83	(a)	(a)	
Morocco (French)—								
Crude, refined and residual	174	185	93	731	(a)	(a)	(a)	
Cuba (including re-exports)—								
Motor spirit	—	—	(a)	(a)	(a)	(a)	(a)	
Natural asphalt	98	173	(a)	(a)	292	27	(a)	
Mexico—								
Crude petroleum	82,565	354,627	430,001	449,278	1,558,805	864,230	1,673,450	
Motor spirit	696	1,215	1,077	14,997	226,030	5,641	54,775	

(a) Information not available.

(b) Bunkers of foreign produce.

(c) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Mexico (Cont.)—							
Kerosene	206,564	146,291	102,872	65,040	204,271	59,739	125,803
Fuel oil	325,434	527,044	597,935	349,581	809,252	493,382	651,228
do. (bunkers)							
Gas oil	62,429	70,538	115,924	43,109	159,428	65,982	76,018
Lubricating oil	67	59	157	172	151	961	1,000
Asphalt (petroleum)	5,626	—	29,679	4,685	17,035	1	(a)
Natural asphalt	6,806	2,085	429	—	(a)	(a)	(a)
Netherlands West Indies—							
Crude petroleum	20,104	45,841	691,429	1,839,714	1,831,544	794,005	956,237
Aviation spirit	1,034,000	793,111	460,889	579,333	3,113,400	2,167,916	634,944
Motor spirit	2,244,000	3,116,178	4,279,867	4,386,242	2,676,540	3,221,279	4,754,851
Kerosene	710,095	700,502	940,418	1,136,545	1,279,539	1,277,021	1,997,981
Gas oil and diesel oil	2,094,943	2,501,715	3,597,076	3,494,564	5,614,835	4,830,519	4,636,746
do. (bunkers)	69,000	359,246	721,749	886,913			
Fuel oil	14,640,416	21,015,726	16,524,667	18,840,354	24,752,339	23,348,470	25,565,943
do. (bunkers)	1,348,000	1,593,812	3,437,729	2,835,000			
Lubricating oil	23,407	62,132	139,440	307,300	237,133	303,969	232,620
Asphalt	25,095	108,081	108,086	208,859	733,379	203,510	323,394
United States—							
Crude petroleum	4,767,427	5,050,432	6,081,946	6,551,731	5,676,652	4,724,037	4,974,820
Aviation spirit	6,946,817	3,606,046	178,325	396,702	566,001	841,073	595,754
Motor spirit	4,138,164	5,700,249	4,181,634	3,765,271	2,496,977	2,358,004	1,287,573
Other finished light products	73,903	184,026	50,858	91,620	163,976	122,905	113,661
Natural gasoline	77,000	100,853	351,870	554,447	466,597	500,729	114,591
Kerosene	587,344	753,893	1,041,576	851,139	372,059	231,820	166,796
Gas oil and distillate fuel oil	5,735,974	4,436,321	3,814,817	3,644,364	2,600,532	1,347,674	1,470,024
Residual fuel oil	1,327,754	1,043,388	847,812	1,178,484	1,362,498	1,246,596	1,733,237
Fuel oil (bunkers)	10,054,118	11,523,588	8,749,096	(a)	(a)	(a)	(a)
Lubricating oil	888,858	891,090	1,511,844	1,947,747	1,769,820	1,698,425	1,882,764
Transformer oil	10,042	14,181	17,359	37,547	21,337	27,202	23,539
Greases	30,346	29,135	43,754	79,800	52,360	52,382	51,000
Paraffin wax	72,431	70,671	89,609	138,216	124,242	128,837	139,049
Petroleum jelly	21,474	20,814	41,827	41,618	28,428	29,275	33,487
Asphalt and bitumen, natural	29,957	42,048	17,345	21,341	12,216	14,885	16,801
Other asphalt, etc.	106,439	189,556	352,626	496,383	241,034	209,336	127,883
Petroleum coke	183,692	186,764	344,630	369,565	447,549	436,004	436,539
Liquefied petroleum gases	29,244	52,351	98,620	106,940	91,447	107,243	136,130
Natural gas (million cu. ft.)	10,248	13,247	13,337	8,035	5,645	5,170	23,474
Argentina—							
Motor spirit	6,212	3,719	1,125	(a)	(a)	(a)	(a)
Kerosene	738	755	362				
Gas oil	178	51	123				
Fuel oil	9,237	7,703	1,780				
Diesel oil	1,624	2,347	497				
Lubricating oil	661	602	689				
Grease	20	5	3				
Asphalt	100	89	524				
Bitumen (Rafaelite)	1,827	1,151	3,298				
Bolivia—							
Crude petroleum	19,408	19,803	14,926	14,887	14,182	(a)	(a)
Fuel oil	4,500	(a)	2,810	253	275	(a)	(a)
Colombia—							
Crude petroleum	2,555,115	2,683,785	2,446,810	2,800,000	2,690,000	3,452,000	(a)
Motor spirit	(a)	5	26	(a)	(a)	(a)	(a)
Kerosene	(a)	2	67				
Fuel oil, etc.	42,113	31,803	67				
Asphalt	(a)	(a)	(a)				
Ecuador—							
Crude petroleum	280,680	251,350	178,272	133,874	199,493	130,816	(a)
Peru—							
Crude petroleum	28,133	26,691	170,277	281,143	246,033	(a)	368,078
Motor spirit (h)	442,275	406,838	363,341	305,238	296,053	(a)	290,307

(a) Information not available.
 (b) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Peru (Cont.)—								
Kerosene (b)	89,780	87,584	63,008	30,545	32,325	(a)	34,170	
Gas oil	(a)	(a)	(a)	(a)	—	(a)	(a)	
Fuel oil and Diesel oil ..	604,284	574,884	373,207	306,159	331,615	(a)	(a)	
do. (bunkers)	123,296	105,691	65,989			58,749	(a)	(a)
Lubricating oil and grease	1,619	1,610	2,057	2,520	2,516	(a)	(a)	
Uruguay—								
Motor spirit	(a)	(a)	(a)	(a)	13,000	11,000	(a)	
Kerosene	(a)	(a)	(a)	(a)	600	1,300	(a)	
Gas oil and diesel oil ..	(a)	(a)	(a)	(a)	21,000	23,000	(a)	
Fuel oil	(a)	(a)	(a)	(a)	156,000	305,000	(a)	
Venezuela—								
Crude petroleum	31,948,255	40,995,580	49,357,769	55,500,266	62,528,571	60,406,000	(a)	
Motor spirit	51,289	68,596	231,314	161,660	57,148	208,000	(a)	
Kerosene	(a)	12	39	25	(a)	37,300	(a)	
Gas oil	24,310	87,838	273,838	299,090	1,480	105,800	(a)	
Fuel oil	3,136,136	2,982,417	2,855,964	2,989,875	3,782,187	4,275,800	(a)	
Diesel oil	2,038	391,184	538,332	455,868	666,077	692,000	(a)	
Indonesia—								
Crude petroleum	(a)	(a)	(a)	(a)	9,714	5,602,367	5,820,037	
Motor spirit			1,607	118,600	992,164			
Kerosene			6,873	98,200	399,636			
Fuel and motor oils ..			(a)	(a)	(a)			2,387,200
do. (bunkers)								
Batching oil								
Lubricating oil								
Greases	(a)	(a)	(a)	(a)				
Paraffin wax								
Asphalt								
Turpene	(a)	(a)	(a)	(a)				
Crude petroleum								
Iran—								
Crude petroleum	—	86,800	1,203,400	1,732,500	3,255,200	3,206,200	6,501,300	
Motor spirit	2,621,500	2,992,600	3,198,400	2,935,600	3,655,500	3,964,800	4,080,900	
Kerosene	812,400	1,117,300	1,917,600	1,698,900	1,851,000	2,117,200	2,283,600	
Gas, diesel and fuel oils	7,056,300	9,865,300	11,179,900	10,869,900	13,480,100	14,769,500	15,767,300	
Other products	135,400	137,300	71,600	136,000	185,700	195,600	202,400	
Iraq—								
Crude petroleum	3,878,232	4,279,652	4,344,030	4,305,266	3,010,965	3,662,438	6,046,527	
Motor spirit	603	820	(a)	(a)	(a)	(a)	(a)	
Kerosene	197	283	(a)	(a)	(a)	(a)	(a)	
Bitumen	—	5	(a)	(a)	(a)	(a)	(a)	
Saudi Arabia—								
Crude petroleum	1,026,000	2,412,000	4,343,000	7,192,000	(a)	(a)	(a)	
Syria and Lebanon—								
Fuel oil	9,769	29,216	14	(a)	2,770	437	(a)	
Asphalt and bitumen ..	14	272	597	(a)	—	1,444	(a)	

(a) Information not available.

(b) Including bunkers.

(c) Including bunkers on foreign ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950						
BRITISH COUNTRIES													
United Kingdom—													
Crude petroleum ..	683,733	948,942	2,240,000	2,473,281	4,641,213	6,063,698	9,239,791						
Aviation spirit (d) ..	4,797,853	2,074,557	106,727	52,425	276,615	362,843	243,217						
Motor spirit ..	4,812,997	4,887,750	3,753,370	3,798,140	3,622,017	3,954,550	3,677,648						
Other spirit ..	110,684	158,326	102,787	84,521	104,525	107,653	104,198						
Kerosene—Power ..	} 1,329,296	1,239,212	1,445,255	{ 709,252	888,667	919,341	811,970						
do. —Other ..								469,673	590,867	653,656	601,391		
Fuel oil (d) ..	4,602,452	3,355,958	3,565,113	2,930,924	5,112,805	2,947,351	2,162,309						
Diesel oil ..	934,763	780,040	800,870	231,739	301,747	310,412	232,436						
Gas oil ..	2,342,125	1,817,540	1,831,726	1,595,384	1,801,342	1,723,225	1,375,485						
Lubricating oil ..	570,102	309,373	339,332	333,012	347,348	291,833	479,861						
Mineral jelly ..	7,235	7,624	5,788	9,684	9,723	8,060	8,822						
Paraffin wax ..	} 28,550	33,371	33,066	38,256	36,014	18,096	{ 29,581						
Other petroleum wax ..								5,086					
Ozokerite ..	29	—	24	178	329	22	94						
Petroleum coke ..	(a)	(a)	(a)	6,958	7,222	13,069	9,131						
Asphalt and bitumen (f) ..	16,867	9,148	26,182	30,504	44,007	48,909	54,365						
Malta—													
Aviation spirit (d) ..	} (a)	{ (a)	—	—	19,913	22,396	12,811						
Motor spirit (d) ..								2,938	19,154	13,049	8,202	15,920	13,067
Petroleum ..								20,175	21,685	5,266	26,057	30,751	16,103
Fuel oil (d) ..								(a)	17,389	29,042	34,955	29,367	27,517
Gas oil (d) ..								(a)	8,832	8,440	8,997	8,060	9,728
Lubricating oil ..								(a)	—	1,018	674	541	660
Anglo-Egyptian Sudan—													
Motor spirit ..	12,302	14,880	18,548	25,522	29,715	28,561	40,008						
Kerosene ..	5,826	6,368	7,721	9,690	8,913	10,856	10,447						
Fuel oil and gas oil ..	36,155	46,672	64,587	73,775	75,753	82,097	86,711						
Lubricating oil, etc. ..	1,720	2,336	2,382	2,998	3,906	4,160	2,937						
Asphalt, etc. ..	1,685	2,742	67	770	1,456	1,675	2,199						
Gambia—													
Aviation spirit ..	(a)	2,676	677	1,672	1	(c) 307	38						
Motor spirit ..	279	500	683	1,114	1,212	1,270	1,938						
Kerosene ..	215	208	309	245	455	373	513						
Fuel oil ..	281	342	466	1,040	1,329	2,702	1,664						
Lubricating oil ..	78	40	95	104	155	272	241						
Gold Coast—													
Aviation spirit (d) ..	—	—	—	—	1,770	3,466	2,346						
Motor spirit (d) ..	44,536	34,053	23,365	29,778	34,925	57,547	60,196						
Kerosene ..	6,788	7,853	5,667	13,946	10,954	14,301	20,561						
Fuel oil (d) ..	} 55,444	43,305	56,534	58,766	{ 23,242	20,828	38,224						
Gas oil ..								42,610	57,781	50,820			
Diesel oil ..	(a)	(a)	(a)	(a)	1,147	2,044	8,842						
Lubricating oil ..	1,256	2,323	2,473	5,027	4,160	4,467	6,571						
Asphalt and bitumen ..	1	48	29	382	1,121	1,457	2,110						
Kenya (e)—													
Aviation spirit (d) ..	} 70,102	73,784	84,821	81,691	{ 9,764	8,084	7,293						
Motor spirit (d) ..								72,629	79,572	54,853			
Kerosene—Power ..	} 17,110	16,986	23,167	28,158	{ 7,784	12,898	12,402						
do. —Other ..								5,364	17,785	8,822			
Gas oil and fuel oil ..	81,462	55,983	114,388	118,704	220,278	349,935	345,860						
Lubricating oil (d) ..	6,355	3,210	4,835	6,344	7,688	7,392	6,162						
Greases ..	570	230	516	461	751	605	450						
Petroleum jelly ..	(a)	(a)	(a)	(a)	82	107	12						
Paraffin wax ..	(a)	(a)	(a)	(a)	72	65	40						

* Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons:—Aviation spirit 315, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245, Asphalt 220, Road oil 220.

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(c) Excess of re-exports. (d) Including imports for bunkering purposes. See exports.

(e) Including Uganda up to 1948 inclusive.

(f) Natural.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Mauritius—							
Aviation spirit	3,461	1,875	6,106	6,138	7,770	2,225	163
Motor spirit							
Kerosene	4,554	1,926	3,718	3,066	3,417	3,570	3,172
Lubricating oils, etc.	1,427	577	514	857	1,101	976	1,162
Fuel oil	(c) 99	(c) 76	11	81	1,785	5,465	9,040
Refined motor grease	12	31	84	60	126	94	116
Asphalt	12	1,765	448	1,603	2,308	1,614	1,712
Nigeria—							
Aviation spirit	32,300	36,160	29,315	44,815	10,210	13,311	13,385
Motor spirit							
Kerosene	7,801	12,548	18,030	10,007	13,965	26,801	34,916
Gas oil (b)	13,513	4,387	11,601	16,032	11,003	1,070	4,939
Diesel oil							
Fuel oil (b)	2,507	1,015	2,037	4,763	7,273	19,678	8,865
Lubricating oil							
Asphalt and bitumen	26	2,610	1,130	760	3,892	1,146	6,670
Northern Rhodesia—							
Motor spirit	5,769	6,517	8,641	11,892	14,773	20,546	25,586
Kerosene—Power	346	517	785	913	1,666	2,596	3,186
do.—Other	684	784	1,105	1,104	1,575	1,991	2,396
Fuel oil	(a)	(a)	(a)	(a)	(a)	3,486	5,677
Lubricating oil	1,298	696	1,028	1,340	1,976	2,112	2,421
Asphalt and bitumen	2	279	296	558	3,068	2,646	3,121
Nyasaland—							
Motor spirit	1,835	2,337	3,039	3,829	4,338	5,569	6,583
Kerosene	460	597	818	770	1,114	1,251	2,188
Fuel oil	548	859	1,173	1,352	2,202	2,748	4,525
Lubricating oil	312	133	157	264	303	506	907
Seychelles—							
Motor spirit	78	87	156	202	182	208	(a)
Kerosene	147	150	172	166	563	191	(a)
Fuel oil	139	142	152	222	250	273	(a)
Lubricating oil	17	5	17	17	22	18	(a)
Sierra Leone—							
Aviation spirit	2,174	2,594	3,426	4,429	154	307	419
Motor spirit							
Kerosene	1,895	1,987	2,253	2,807	2,844	3,722	3,926
Gas oil	3,730	3,860	5,698	5,459	2,584	2,281	2,864
Diesel oil	312	322	480	456	20	813	1,579
Fuel oil (b)							
Lubricating oil	653	311	232	493	880	3,937	3,951
Asphalt and bitumen	647	432	771	307	129	99	8
Somaliland Protectorate—							
Motor spirit	1,157	1,556	1,509	3,638	3,591	2,947	2,995
Kerosene	232	294	367	433	454	424	417
Gas oil	173	1,010	1,006	1,027	772	(a)	(a)
Lubricating oil	91	158	160	109	197	(a)	(a)
Southern Rhodesia—							
Aviation spirit	(a)	(a)	2,814	3,787	5,996	5,453	4,602
Motor spirit	18,471	22,909	34,059	46,246	53,414	65,605	80,449
Kerosene	2,535	2,709	3,210	3,960	4,261	5,444	5,560
do.—Power	1,999	2,499	3,590	4,859	6,449	11,454	13,597
Fuel oil	6,155	6,216	7,770	9,716	11,280	13,864	20,011
Lubricating oil	3,388	1,624	2,730	4,200	5,049	5,878	6,972
Other oils (total imports)	449	223	191	189	240	459	267
Paraffin wax	464	633	463	398	395	400	513
Asphalt and bitumen	1,507	2,886	4,752	3,033	4,799	9,043	9,416
South West Africa—							
Motor spirit	4,938	7,411	12,716	1,603	17,284	17,488	(a)
Kerosene	2,879	3,487	3,114	2,049	2,365	2,752	(a)
Lubricating oil	653	713	1,535	1,634	2,375	1,129	(a)
Other oils	7,034	8,021	4,292	153	155	143	(a)
Asphalt and bitumen	—	10	48	114	230	247	(a)

(a) Information not available

(b) Including bunkers. See exports.

(c) Excess of re-exports

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Tanganyika—							
Aviation spirit	} 14,379	17,066	18,056	26,900	{ 3,221	4,034	3,789
Motor spirit .. ..								33,189	44,006	40,839
Kerosene—Power	998	1,290	1,378	1,049	1,629	2,607	1,595
do. —Other	6,463	7,681	7,859	8,697	9,700	12,220	7,361
Gas oil	4,397	5,793	5,361	9,745	} 19,417	36,103	52,258
Diesel oil	3,858	2,659	3,167	2,431			
Fuel oil	427	1,924	1,513	664	} 4,650	5,379	5,233
Lubricating oil	1,896	1,532	2,148	4,474			
Greases	129	107	132	456	604	1,043	425
Petroleum jelly	(a)	(a)	(a)	(a)	22	38	25
Paraffin wax	(a)	(a)	(a)	(a)	4	27	17
Uganda—							
Aviation spirit (b)	} (b)	(b)	(b)	(b)	(b)	1,995	1,842
Motor spirit						24,643	28,773
Kerosene—Power	} (b)	(b)	(b)	(b)	(b)	464	707
do. —Other						6,900	7,600
Gas oil and fuel oil	} (b)	(b)	(b)	(b)	(b)	2,392	30,014
Lubricating oil						2,538	1,964
Greases	} (b)	(b)	(b)	(b)	(b)	164	137
Petroleum jelly						24	11
Paraffin wax	} (b)	(b)	(b)	(b)	(b)	4	2
Union of South Africa—							
Motor spirit	496,249	427,726	680,561	735,582	866,955	1,004,600	1,016,546
Other spirit	2,698	5,152	6,189	7,233	5,806	9,447	(a)
Turpentine substitute	6,861	7,889	10,365	13,296	12,559	11,108	(a)
Kerosene—Power	61,912	76,342	122,844	109,607	149,140	186,784	} 362,142
do. —Other	94,392	79,228	93,329	114,633	108,199	133,521	
Fuel oil (e)	232,134	311,197	417,419	420,759	695,625	668,602	792,010
Lubricating oil	53,766	34,426	51,266	73,210	60,513	70,268	69,030
Transformer oil	976	840	978	4,249	1,426	2,907	(a)
Road oil	220	2,366	4,364	40,438	12,917	4,238	(a)
Other oils	1,564	1,797	2,008	3,048	1,669	2,520	(a)
Paraffin wax	17,504	6,689	6,515	(a)	(a)	8,381	10,918
Asphalt and bitumen	3,645	15,574	13,532	22,597	19,331	22,115	29,349
Petroleum jelly	1,711	992	1,273	3,852	1,101	2,458	(a)
Zanzibar—							
Motor spirit	899	1,196	1,081	1,482	1,551	1,986	2,594
Kerosene, etc.	1,082	1,363	2,639	1,449	423	1,875	1,971
Fuel oil	430	1,472	1,373	1,424	2,232	1,457	(a)
Lubricating oil	126	72	111	132	(a)	(a)	(a)
Canada (c)—							
Crude petroleum	8,149,692	8,115,176	9,058,212	9,778,106	10,794,172	10,563,835	11,237,210
Tops for refiners	—	—	—	80,000	264,026	220,713	186,316
Aviation spirit	} 299,674	257,543	571,656	738,931	1,057,071	137,446	160,860
Motor spirit						867,879	641,900
Kerosene, etc.	34,054	48,711	137,208	536,535	275,257	137,020	57,818
Lubricating oils	54,772	42,064	43,569	54,391	64,563	65,776	70,776
Diesel oil	} 263,846	222,296	456,435	1,557,050	1,395,803	150,407	278,266
Fuel oil						776,658	2,031,892
do. (d)	96,731	147,482	53,843	46,545	52,101	55,531	44,564
Other petroleum oils	7,189	15,934	3,175	3,577	6,543	3,910	4,793
Liquefied petroleum gas	(a)	(a)	(a)	(a)	(a)	63,619	69,409
Petroleum jelly, etc.	(£103,464)	(£110,479)	(£155,658)	(£154,933)	(£137,896)	(£157,134)	(£205,706)
Grease	4,695	4,688	4,432	4,958	4,534	4,909	5,573
Paraffin wax, etc.	7,903	8,355	9,535	17,430	19,461	10,945	13,384
Asphaltum oil, etc.	—	23	—	—	—	—	371
Asphalt	5,405	5,733	7,393	9,733	9,443	19,730	18,986
Petroleum coke	198,187	171,537	197,840	231,146	274,321	265,984	267,300
Other products	5,200	5,931	69,492	46,503	36,843	16,175	10,829

(a) Information not available.

(b) Included with Kenya up to 1948 inclusive.

(c) Including Newfoundland from April 1, 1949.

(d) Ex warehoused, for ships' stores.

(e) Imported chiefly for bunkering purposes.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Newfoundland (e)—							
Motor spirit (f)	89,695	73,382	66,353	78,537	92,586	} (e)	(e)
Kerosene	3,588	5,291	6,595	8,123	7,472		
Lubricating oil	2,827	2,926	3,503	4,000	2,562		
Fuel oil, etc. (c)	186,033	67,069	68,281	74,328	153,703		
Greases	78	111	119	176	112		
Paraffin wax	26	6	9	8	2		
Asphalt, etc.	4,550	3,382	4,419	1,036	3,365		
British Guiana—							
Crude petroleum	33,124	16,648	22,895	30,142	53,486	53,492	49,790
Aviation spirit (b)	194	129	144	473	332	239	1,056
Motor spirit	3,130	3,164	4,342	5,189	6,586	6,602	8,385
Kerosene	2,085	2,139	2,264	3,042	3,805	3,002	4,995
Fuel oil, etc.	13,718	6,745	14,425	9,185	18,166	12,290	23,231
Lubricating oil	(a)	903	1,008	1,451	1,868	1,349	1,570
Tar and pitch	181	210	327	278	288	248	344
Paraffin wax	(a)	17	5	20	21	10	3
Asphalt	—	113	110	249	348	35	257
British West Indies—							
Bahamas—							
Crude petroleum	1,796	5,600	5,567	6,539	8,506	9,784	8,812
Motor spirit	1,682	3,731	2,895	9,266	5,921	10,190	8,610
Kerosene	1,422	1,429	1,618	2,135	2,284	2,716	2,618
Lubricating oil	76	176	204	272	352	344	512
Barbados—							
Crude petroleum	3,274	1,628	5,776	6,005	6,140	6,261	5,357
Motor spirit	2,375	3,161	4,151	5,382	5,389	6,730	7,268
Kerosene	1,750	1,720	2,592	2,280	3,130	3,785	4,825
Road oil	(a)	64	117	129	138	154	108
Fuel oil, etc.	9,548	5,678	10,006	6,839	6,691	6,307	3,777
Lubricating oil	(a)	197	286	444	450	465	687
Bermuda—							
Aviation spirit	1,579	2,789	2,823	(a)	} (b) 24,029	(b) 32,173	(b) 19,666
Motor spirit	3,202	2,163	3,617	1,927			
Kerosene	3,074	3,495	1,871	2,026	(b) 2,740	(b) 2,442	(b) 1,924
Diesel oil	} 13,621	} 14,082	{ 2,445	9,186	(b) 11,674	(b) 9,580	(a)
Fuel oil				9,130	(b) 20,530	(b) 10,599	(b) 6,121
Lubricating oil				233	(b) 767	(b) 812	(b) 803
Asphalt	(a)	(a)	(a)	(a)	1,570	(a)	(b) 1,130
Dominica—							
Motor spirit	143	234	259	273	305	333	(a)
Kerosene	174	190	199	197	242	273	(a)
Fuel oil and gas oil	117	114	168	184	131	117	(a)
Lubricating oil	10	13	15	17	18	22	(a)
Road oil	195	167	(a)	130	401	182	(a)
Grenada—							
Motor spirit	425	556	728	1,041	977	1,400	1,275
Kerosene	425	457	512	499	661	420	602
Fuel oil	186	253	242	266	313	286	377
Lubricating oil	19	89	37	47	43	43	56
Road oil	106	414	102	1,026	646	773	589
Jamaica—							
Aviation spirit (b)	2,001	2,142	2,522	7,047	10,044	10,082	9,849
Motor spirit (b)	17,252	15,722	23,144	26,565	28,528	34,458	41,079
Kerosene	6,755	6,403	8,472	8,317	8,371	10,655	10,617
Gas oil (c)	10,898	7,607	10,073	7,376	2,893	14,044	2,625
Diesel oil (c)	19,732	12,242	16,020	7,376	12,602	9,778	10,935
Fuel oil (c)	15,729	11,883	41,060	69,430	106,680	108,370	93,719
Lubricating oil	574	872	1,096	1,792	2,163	2,104	1,846
Grease	61	179	188	317	279	304	369

(a) Information not available.

(b) Including imports for bunkering purposes. See exports.

(c) Imported chiefly for bunkering purposes.

(e) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(f) Including Aviation spirit.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
British West Indies—(Cont.)							
Jamaica—(Cont.)							
Petroleum jelly	(a)	(a)	(a)	(a)	77	127	93
Paraffin wax	(a)	(a)	(a)	(a)	15	27	69
Asphalt	1,323	2,448	6,446	1,948	5,855	6,309	3,220
Leeward Islands—							
Motor spirit	631	1,479	1,391	1,811	1,620	1,971	1,805
Kerosene	323	616	550	738	670	768	879
Gas oil	(a)	235	620	583	627	551	944
Diesel oil	19	330	387	728	571	780	1,008
Fuel oil	97	659	96	293	158	188	192
Road oil	484	556	701	679	206	424	498
Lubricating oil	24	150	104	129	264	150	210
St. Lucia—							
Motor spirit	274	494	449	521	625	730	686
Kerosene	200	236	294	251	295	262	239
Fuel oil	329	—	405	370	372	492	442
Lubricating oil	19	36	52	35	72	115	128
Road oil	371	—	337	484	412	404	354
St. Vincent—							
Motor spirit	225	279	(d) 318	516	539	(a)	(a)
Kerosene	242	324	(d) 198	314	315		
Fuel oil, etc.	80	61	(d) 267	120	195		
Lubricating oil	35	43	(a)	39	47		
Asphalt, tar and pitch	6	7	(a)	3	6		
Trinidad and Tobago—							
Crude petroleum	148,452	303,909	411,930	842,288	1,265,332	1,613,696	1,607,463
Motor spirit	—	108,341	5	8	7	16,285	(a)
Kerosene	—	27,746	1,263	—	—	—	(c) 16
Gas oil	—	1,867	—	—	—	—	772
Fuel oil	—	—	—	—	—	—	537
Lubricating oil	2,417	2,404	2,238	2,601	3,020	3,306	3,139
Petroleum jelly	45	84	14	60	51	72	122
Paraffin wax	57	55	39	78	27	37	44
British Honduras—							
Aviation spirit	(a)	(a)	(a)	(a)	207	80	(c) 12
Motor spirit	951	2,199	2,045	2,776	2,412	2,126	2,971
Kerosene	396	980	923	1,163	1,188	1,347	1,309
Diesel oil	360	2,065	2,015	1,974	1,607	2,104	2,484
Lubricating oil	323	268	307	434	252	115	254
Asphalt	734	647	30	397	825	567	725
Falkland Islands—							
Motor spirit	142	75	108	220	161	211	274
Kerosene	34	65	123	106	61	86	122
Gas and diesel oils	116	158	406	655	50	454	1,188
Fuel oil	34,153	44,343	52,900	56,117	70,619	78,679	88,102
Aden—							
Motor spirit	1,342	2,986	2,062	5,160	5,649	7,204	1,071
Kerosene	1,846	2,537	3,381	3,919	4,083	3,896	3,691
Gas oil	(a)	12,082	3,864	19,036	18	12,487	17,138
Fuel oil (b)	519,542	361,993	788,789	1,061,564	1,694,039	2,204,001	2,438,024
Lubricating oil	4,218	959	1,183	966	790	828	990
Other petroleum oils	5,702	—	—	—	—	—	—
Petroleum jelly	—	2	7	3	—	—	—
Paraffin wax	—	—	4	3	—	—	—
Asphalt and bitumen	—	—	224	472	5	764	118
Brunei—							
Motor spirit	(a)	(a)	(a)	(a)	974	2,600	3,517
Kerosene					(a)	557	455
Diesel oil					(a)	2,530	3,752
Fuel oil					(a)	86	(a)
Lubricating oil					(a)	589	19

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(d) January to September only.

(c) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Ceylon—							
Motor spirit	58,760	63,672	56,009	58,599	76,940	84,994	89,330
Kerosene	28,351	35,068	35,497	34,043	34,661	57,261	43,026
Gas oil	4,957	8,109	10,301	13,150	12,529	24,804	17,427
Diesel oil (b)	107,588	121,960	97,459	94,718	108,426	162,989	103,402
Fuel oil (b)	438,116	596,237	287,586	270,259	292,133	464,140	507,853
Lubricating oil	2,526	3,408	4,338	4,035	6,084	7,607	5,850
Other oils and greases ..	59	86	257	131	181	279	369
Asphalt	12,162	9,592	18,416	12,025	7,911	15,336	14,140
Cyprus—							
Crude petroleum, etc. ..	7,716	12,692	23,273	39,305	22,181	42,349	46,943
Motor spirit, etc.	7,791	7,606	10,344	13,353	15,790	17,806	21,246
Kerosene, etc.	6,198	4,755	9,876	13,448	13,738	14,113	18,789
Lubricating oil	888	740	1,273	1,760	1,520	2,209	1,827
Paraffin wax	47	40	75	117	109	73	65
Asphalt and bitumen ..	—	2,273	2,476	2,234	3,149	2,673	2,958
Hong Kong (total imports)—							
Motor spirit	(a)	(a)	48,095	74,676	74,213	147,974	77,999
Kerosene			53,164	49,574	56,630	59,428	37,111
Fuel oil and gas oil (b) ..			2,169	135,166	339,441	536,870	495,017
Diesel oil			7,191	77,900	(a)	(a)	(a)
Lubricating oil			9,407	18,135	(a)	(a)	(a)
Greases			403	682	(a)	(a)	(a)
Petroleum jelly			2,773	1,114	1,124	1,509	1,825
Paraffin wax			1,250	3,966	4,749	6,596	10,749
India (total imports)—							
Motor spirit	1,529,335	1,942,642	523,276	358,200	368,498	550,845	635,554
Other spirit	184,521	147,663	21,030	15,024	9,095	246	6,819
Kerosene	370,757	442,300	539,284	740,782	376,338	699,019	809,364
Diesel oil	294,854	507,561	412,484	415,315	269,191	497,883	509,523
Fuel oil (c)	734,842	1,042,120	1,013,533	892,088	657,999	849,507	787,858
White spirit, etc.	27	29	1,019	19,945	29,831	8,930	326
Lubricating oil	87,959	133,913	140,292	204,422	183,893	255,437	171,326
Turpentine substitute ..	2,774	4,569	3,991	1,986	8	41	2,169
Other oils	3,391	5,333	6,366	8,045	6,393	17,907	8,659
Greases	2,467	1,845	2,518	7,111	4,550	2,637	2,619
Paraffin wax	643	10	153	12	1,264	839	106
Asphalt	151,310	264,872	24,713	49,272	46,293	67,431	87,493
Malaya (total imports)—							
Aviation spirit	(a)	(a)	(a)	(a)	99,425	139,756	101,761
Motor spirit			173,875	232,146	236,027	423,869	689,841
Kerosene			103,716	146,481	93,146	121,014	172,930
Vapourising oil			(a)	(a)	8,645	30,338	59,387
Gas oil			(a)	(a)	139,070	148,819	305,792
Diesel oil			(a)	(a)	510,693	816,848	729,633
Fuel oil			573,502	665,625	565,131	996,140	1,222,917
Lubricating oil			11,993	28,603	16,674	15,070	22,264
Paraffin wax	239	1,330	1,341	1,243	2,079		
Asphalt and bitumen ..	4,540	24,632	14,031	36,341	30,906		
Other petroleum products	38	223	119	44	1,387		
Palestine—							
Crude petroleum	3,310,681	3,957,490	4,016,056	(a)	(a)	(d)	(d)
Motor spirit	195	69	123	(a)	(a)		
Lubricating oil and grease	6,741	4,376	6,825	(a)	(a)		
Petroleum jelly	78	77	23	(a)	(a)		
Paraffin wax	189	255	189	(a)	(a)		
Asphalt	424	516	749	(a)	(a)		

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

(c) See "Israel" under Foreign Countries.

(d) Including imports for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Sarawak—							
Crude petroleum ..	(a)	(a)	(d) 232,068	1,689,965	2,641,516	3,290,440	4,057,462
Motor spirit ..			(d) 618	1,309	1,381	1,608	2,265
Kerosene ..			(d) 1,241	3,144	3,774	4,062	5,232
Gas oil ..			(a)	(a)	847	2,279	4,537
Fuel oil ..			(d) 2,177	3,909	3,505	2,434	588
Lubricating oil ..			(d) 106	452	394	428	619
Natural gas (1,000 cu. ft.)			(d) 71,000	564,989	1,260,123	1,663,614	1,822,776
Australia—							
Crude petroleum ..	198	(c) 6,710	158,511	306,711	379,408	571,904	784,147
Motor spirit ..	1,164,791	900,268	1,137,848	1,315,758	1,308,866	1,466,456	(a)
Turpentine substitute ..	(f) 9,041	(f) 19,206	(f) 12,748	(f) 21,967	(f) 23,159	(f) 27,927	32,653
Kerosene ..	276,536	280,769	306,770	406,039	401,153	385,227	437,112
Lubricating oil ..	168,398	45,592	62,088	139,492	80,681	145,940	131,066
Residual and solar oils ..	1,583,037	1,857,295	1,258,870	918,525	1,455,649	1,756,025	1,704,811
Petroleum jelly ..	2,237	3,076	1,001	2,416	355	471	—
Paraffin wax, etc. ..	2,943	1,940	2,947	4,282	5,936	3,576	(f) 3,141
Mastic asphalt ..	—	9	—	—	3	—	—
Natural asphalt (f) ..	(a)	(a)	19,840	32,099	34,896	4,180	2,144
Bitumen and pitch (f) ..	(a)	(a)	68,205	61,766	100,891	18,779	27,960
Fiji—							
Aviation spirit (e) ..	(a)	(a)	1,679	2,154	3,679	4,095	4,014
Motor spirit ..	4,279	4,833	8,401	7,680	7,533	8,525	9,900
Kerosene ..	1,084	2,892	1,081	2,395	1,734	3,791	2,357
Diesel oil (b) ..	15,555	12,476	16,769	12,209	9,284	11,302	12,653
Fuel oil (b) ..							
Lubricating oil ..	527	529	760	902	786	686	816
Greases ..	77	43	45	136	84	95	106
Bitumen and tar ..	173	242	477	1,421	746	686	1,447
New Zealand—							
Motor spirit ..	195,188	225,050	280,919	329,312	381,019	467,315	(a)
Turpentine substitute ..	2,220	2,313	3,672	3,020	4,397	3,094	4,448
Kerosene ..	7,250	8,754	4,696	5,460	6,850	3,205	7,110
do. power ..	22,719	34,647	29,373	25,329	32,227	23,419	21,046
Gas oil ..	397,973	284,487	226,738	281,068	391,712	172,743	184,307
Diesel oil ..							
Fuel oil ..						56,610	284,158
Lubricating oil ..	14,143	11,130	13,592	23,591	25,622	16,491	28,539
Transformer oil ..	375	42	795	1,147	943	1,125	515
Other refined oils ..	4,356	1,413	2,696	4,418	5,047	262	2,296
Paraffin wax ..	528	1,001	311	1,430	1,742	341	1,091
Asphalt and bitumen ..	12,327	5,489	10,287	12,634	31,765	8,767	20,087
Solomon Islands (g)—							
Crude petroleum ..	—	83	1,812	65	—	219	576
Motor spirit ..	—	26	56	35	69	420	377
Kerosene ..	11	73	72	138	151	135	309
Lubricating oil ..	—	8	10	39	16	38	89
Irish Republic—							
Motor spirit ..	42,350	48,937	114,973	136,662	160,037	195,156	206,203
Kerosene ..	34,839	42,027	58,374	67,276	86,535	90,800	76,636
Fuel oil and gas oil ..	25,881	25,136	48,849	171,841	205,336	199,268	257,038
Lubricating oil ..	4,787	4,716	11,610	13,176	10,903	14,071	13,982
Paraffin wax ..	1,589	1,728	1,371	3,041	1,898	753	2,347
Asphalt and bitumen ..	259	387	16,029	14,709	25,958	15,690	24,543

(a) Information not available.

(b) Including imports for bunkering purposes. See exports.

(c) Excess of re-exports.

(d) April 15 to December 31 only.

(e) Imported chiefly for bunkering purposes. See exports.

(f) Years ended June 30 of that stated.

(g) Years ended March 31 following that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950				
FOREIGN COUNTRIES											
Austria—											
Motor spirit	(a)	(a)	(a)	8,391	41,184	48,448	47,947				
Gas oil				4,057	7,290	—	4,129				
Fuel oil				—	2,325	—	3,460				
Lubricating oil, etc. ..				—	870	4,427	10,329	7,573			
Petroleum jelly				165	95	374	223				
Paraffin wax				66	1,025	2,304	502				
Ozokerite and ceresin ..				50	209	775	(a)				
Asphalt				15	1,482	5,183	2,080				
Petroleum coke				—	7,294	8,726	8,866				
Tar and pitch				—	132	1,980	7,706	2,381			
Belgium-Luxemburg E.U.—											
Crude petroleum	—	—	74,300	149,000	234,557	337,320	435,201				
Motor spirit, etc.	9,476	107,300	335,900	344,000	506,670	545,618	670,836				
Kerosene	23	14,500	12,100	14,000	16,855	20,132	32,369				
Fuel oil, etc.	7,275	77,560	109,206	1,290,000	846,417	987,361	1,116,658				
Lubricating oil	12,655	40,700	58,700	126,000	103,000	108,106	138,531				
Other heavy oils	253	(a)	(a)	(a)	(a)	1,766	3,822				
Petroleum jelly	93	(a)	(a)	(a)	618	587	841				
Paraffin wax	473	333	3,204	(a)	3,174	3,100	6,219				
Ozokerite and ceresin ..	513	(a)	(a)	(a)	200	133	503				
Asphalt, bitumen, etc. ..	1,248	524	4,485	(a)	3,440	3,815	5,740				
Residual asphalt	158	(a)	(a)	(a)	(a)	(a)	(a)				
Bulgaria—											
Crude petroleum	10,146	4,571	6,571	(a)	(a)	(a)	(a)				
Motor spirit	5,474	28,365	34,608								
Kerosene	13,916	29,747	38,441								
Gas oil	13,963	15,710	26,630								
Fuel oil	10	4,553	1,211								
Lubricating oil, etc. ..	6,651	4,337	11,721								
Paraffin wax, ceresin, etc.	151	450	557								
Tar	—	—	—								
Petroleum jelly	250	40	112								
Ozokerite and ceresin ..	105	104	5								
Asphalt and bitumen ..	1,412	925	620								
Czechoslovakia—											
Crude petroleum, etc. ..	(a)	(a)	89,425	183,003	(b) 186,366	(a)	(a)				
Motor spirit and kerosene			12,756	2,984	(b) 2,174						
Fuel oil and gas oil ..			63,303	89,345	(b) 60,984						
Lubricating oil and greases			24,641	20,434	(b) 27,445						
Paraffin wax			185	2,239	(b) 3,542						
Ozokerite and ceresin ..			43	321	(b) —						
Petroleum jelly			75	196	(b) 165						
Asphalt products			237	886	(b) 383						
Denmark—											
Crude petroleum			16,791	5,913	22,562			17,054	19,306	40,022	22,393
Motor spirit	4,522	32,286	213,626	280,675	299,395	358,107	494,951				
Kerosene	5,231	21,560	33,932	32,619	32,741	39,011	50,245				
Turpentine substitute ..	1,265	608	5,221	8,351	5,664	7,588	10,119				
Gas oil	20,261	87,536	336,323	765,591	712,583	777,040	1,134,656				
Fuel oil	—	—	7,528	9,700	13,939	17,219	17,485				
Lubricating oil	8,296	12,182	35,266	26,146	45,540	25,816	38,582				
Grease	93	21	262	219	372	324					
Petroleum jelly	690	259	643	151	300	242	952				
Ozokerite, etc.	770	180	747	292	409	108					
Paraffin wax	926	238	1,005	1,398	1,549	1,458	(a)				
Natural asphalt	97	406	6,193	2,868	6,822	4,707	3,782				
Other asphalt	1,268	2,779	40,623	22,559	23,781	35,759	50,099				
Finland (total imports)—											
Crude petroleum	30	22	28	—	—	—	(a)				
Fuel oil	9,058	7,216	56,881	113,495	191,457	110,397	(a)				
Motor spirit	22,415	11,621	65,994	164,785	224,295	213,079	239,755				
Kerosene	10,832	2,633	16,499	18,983	15,034	15,494	(a)				

(a) Information not available.

(b) January to October only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Finland (total imports)—							
<i>(Cont.)</i>							
Lubricating oil	7,363	3,006	7,151	15,095	21,358	12,859	(a)
Petroleum jelly	95	15	101	134	607	55	(a)
Paraffin wax	440	243	529	1,429	1,663	1,184	(a)
Asphalt and tar	2,029	526	7,852	17,532	13,384	21,095	(a)
France—							
Crude petroleum	5	204,124	2,643,683	4,907,595	7,372,981	11,620,331	13,910,096
Motor spirit	28,767	666,466	1,084,395	686,001	233,112	110,064	60,675
Kerosene	615	70,951	74,213	40,209	279	2,500	90
Lubricating oil	24,588	126,852	216,463	111,155	78,007	64,494	63,092
Fuel oil	776	333,572	409,713	524,709	598,839	288,250	152,725
Gas oil	34,742	296,636	372,865	197,735	84,562	95,626	165,153
Road oil, etc.	87	26,057	197,647	152,077	(a)	(a)	(a)
Petroleum coke	6,988	27,373	65,063	88,568	58,917	42,020	20,189
Paraffin wax	986	1,512	4,002	10,832	5,561	4,967	699
Ozokerite and ceresin	15	—	—	—	1,234	1,016	1,690
Petroleum jelly	61	148	809	1,021	30	12	60
Pitch	69	1,585	2,469	34,318	(a)	(a)	(a)
Asphalt and bitumen	118	97	1,117	660	508	2,519	2,829
Germany—							
Crude petroleum	(b) 263,100	(a) }	(c) —	(c) 39,000	247,329	1,068,752	1,902,839
Motor spirit	(b) 255,932		(c) 390,000	(c) 379,000	562,304	393,003	163,984
Kerosene	(b) 38,029		—	—	29,079	15	3,147
Gas oil	(b) 221,728		(c) 435,000	(c) 501,000	583,982	617,590	514,804
Fuel oil	(b) 56,221					66,472	45,374
Lubricating oil, etc.	(b) 59,100		(a)	(a)	2,181	5,325	11,820
Paraffin wax	(b) 8,840		(a)	(a)	1,011	13,779	3,697
Ozokerite, etc.	(b) 569		(a)	(a)	1	862	166
Asphalt	(b) 501		(a)	(a)	28	2,125	3,893
Greece—							
Motor spirit	3,100	21,474	62,547	122,089	140,328	172,900	(a)
Kerosene	1,700	7,538	6,930	14,823	21,294	35,667	(a)
Fuel oil and diesel oil	13,000	140	173,228	319,839	512,046	639,661	(a)
Other oils and greases	1,764	3,485	14,876	6,725	16,236	21,195	(a)
Petroleum jelly	(a)	47	160	105	46	176	(a)
Asphalt and bitumen	—	10,818	5,706	6,046	14,944	5,910	(a)
Hungary—							
Crude petroleum	(a)	(a)	3,800	10,000	(a)	(a)	(a)
Iceland—							
Crude petroleum	—	—	—	—	—	(a)	(a)
Motor spirit	12,725	16,723	22,120	34,565	28,319	(a)	(a)
Kerosene	1,844	822	1	3,161	2,802	(a)	(a)
Gas oil and fuel oil	18,319	16,236	36,776	59,168	91,386	(a)	(a)
Lubricating oil	1,267	1,618	1,846	3,085	2,313	(a)	(a)
Greases	49	77	50	190	90	(a)	(a)
Paraffin wax	39	23	26	48	21	(a)	(a)
Asphalt	151	245	454	64	37	(a)	(a)
Petroleum jelly	5	7	1	(a)	(a)	(a)	(a)
Italy—							
Crude petroleum	(a) }	(a) }	31,143	1,212,523	1,745,639	2,442,256	4,483,992
Motor spirit			197,142	253,804	44,160	9,926	21,632
Kerosene			75,600	106,953	16,608	2,273	6,365
Gas oil			166,385	223,130	39,862	8,385	4,313
Fuel oil			568,458	1,541,436	727,116	668,141	877,256
Lubricating oil			13,160	141,641	49,564	73,419	94,272
Petroleum jelly			(a)	1,953	459	912	674
Paraffin wax			(a)	11,232	5,925	10,870	20,640
Bitumen			(a)	93,473	6,260	1,830	1,133
Asphalt			—	(a)	1	3,010	
Petroleum coke	—	(a)	34,377	9,604	16,325	8,969	

(a) Information not available.

(b) January to July only.

(c) Bizonal area only. Western Germany from 1948 inclusive.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Netherlands—							
Crude petroleum ..			257,213	847,337	1,172,327	2,080,870	4,724,254
Motor spirit			375,575	236,750	210,962	250,141	179,328
Kerosene			286,457	316,451	232,008	264,197	180,212
Gas oil			253,675	368,616	291,968	264,184	381,691
Fuel oil			419,536	658,373	387,727	461,851	410,625
Lubricating oil ..	(a)	(a)	62,013	65,121	64,353	67,975	88,052
Greases			1,019	1,175	1,960	300	315
Petroleum jelly ..			1,307	1,484	372	542	1,435
Paraffin wax .. .			2,337	4,241	6,673	5,573	21,141
Ozokerite and ceresin ..			100	353	236	324	217
Asphalt			6,880	1,227	370	271	314
Natural asphalt ..			982	2,052	763	879	1,088
Norway—							
Crude petroleum ..	5,832	12,532	—	—	—	—	—
Motor spirit	58,541	36,144	214,025	226,998	202,349	270,935	244,281
Turpentine substitute ..	122	2,015	9,332	8,523	6,970	5,815	8,609
Kerosene	6,080	18,177	21,598	23,701	25,027	34,292	37,497
Diesel oil	—	12,687	89,624	182,056	273,119	178,954	194,188
Gas oil	87,726	81,340	160,922	233,494	305,723	336,544	351,849
Fuel oil	—	8,740	81,958	267,895	472,093	464,696	524,351
Residual oils, etc. ..	13,028	9,136	26,322	30,118	23,164	32,678	18,696
Paraffin wax .. .	476	327	1,035	2,224	1,733	2,152	1,107
Petroleum jelly ..	533	449	2,218	1,917	774	1,280	(a)
Asphalt, etc. .. .	1,586	6,279	32,276	24,025	33,608	29,674	32,784
Poland—							
Crude petroleum ..	(a)	(a)	19,405	43,353	(a)	(a)	(a)
Motor spirit	(a)	(a)	205,598	86,955	(a)	(a)	(a)
Kerosene	(a)	(a)	9,760	38,184	(a)	(a)	(a)
Gas oil	(a)	(a)	81,150	68,459	(a)	(a)	(a)
Lubricating oil ..	(a)	(a)	29,120				
Portugal—							
Crude petroleum ..	—	26,397	101,048	263,400	320,086	274,990	(a)
Motor spirit	38,410	44,337	60,305	68,080	82,465	78,382	(a)
Kerosene	26,161	33,020	45,354	43,267	57,163	49,191	(a)
Gas oil and diesel oil ..	27,578	31,132	36,719	46,185	31,788	49,478	(a)
Fuel oil	9,280	40,373	95,085	122,178	67,424	54,005	(a)
Lubricating oil ..	6,767	7,008	12,544	12,992	19,272	12,684	(a)
Other mineral oils ..	190	689	1,981	3,141	1,729	1,671	(a)
Petroleum jelly ..	136	175	128	190	124	117	(a)
Paraffin wax .. .	282	785	923	1,974	1,833	1,855	(a)
Natural asphalt ..	2,712	5,681	14,835	28,504	21,821	488	(a)
Spain—							
Crude petroleum ..	(a)	94,472	130,842	—	—	—	(a)
Light petroleum ..	(a)	1,783	1,825	—	—	—	(a)
Motor spirit	(a)	230,641	334,108	367,123	355,623	414,670	(a)
Kerosene	(a)	6,762	21,962	26,134	6,143	18,384	(a)
Diesel oil	(a)	95,823	164,322	164,266	170,798	220,419	(a)
Lubricating oil ..	(a)	41,805	56,610	52,765	59,441	41,315	(a)
Fuel oil	(a)	102,808	136,493	325,074	349,285	433,719	(a)
Petroleum jelly ..	(a)	92	132	157	272	384	(a)
Paraffin wax .. .	(a)	431	737	1,066	1,150	1,437	(a)
Asphalt	(a)	22,736	39,936	65,630	32,236	29,124	(a)
Sweden—							
Crude petroleum ..	—	14,086	452,554	469,107	565,890	459,171	889,396
Motor spirit	32,541	39,063	451,089	650,138	553,511	528,013	528,948
Kerosene	9	14,684	117,785	129,150	173,101	166,326	198,606
Fuel oil and gas oil ..	80,204	105,703	718,247	1,735,564	1,837,270	1,727,581	1,931,975
Lubricating oil ..	22,004	19,350	68,488	68,811	59,552	30,606	62,000
Petroleum jelly ..	395	506	1,201	970	786	412	(a)
Other oils	47	186	1,008	316	363	202	(a)
Paraffin wax .. .	706	2,716	5,878	7,671	5,864	6,472	6,941
Ozokerite and ceresin ..	412	135	1,225	1,204	1,451	933	(a)
Asphalt	2,590	1,248	4,281	4,723	3,922	2,253	2,858
Pitch	6,928	19,171	25,396	21,705	11,984	3,655	5,173

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950		
FOREIGN COUNTRIES (Cont.)									
Switzerland—									
Motor spirit	35,577	11,181	148,142	197,755	235,473	262,509	297,586		
Kerosene	1,669	79	15,103	11,264	43,144	18,146	65,276		
Fuel oil	18,130	18,376	216,980	427,882	397,457	506,310	585,665		
Lubricating oil and grease	5,209	3,185	28,723	30,492	30,215	22,447	39,199		
Other oils	1,283	8	7,036	67,653	94,051	74,153	91,529		
Petroleum jelly	146	294	1,811	892	630	357	1,217		
Paraffin wax and ceresin	520	48	3,193	2,644	2,630	1,579	4,835		
Asphalt and bitumen ..	—	408	716	687	664	421	818		
Algeria—									
Motor spirit	46,084	57,078	129,591	142,779	154,655	163,673	193,888		
Kerosene	23,615	2,472	38,500	45,541	55,034	47,121	55,421		
Gas oil	27,698	31,253	44,177	68,935	102,710	96,089	125,451		
Fuel oil and diesel oil ..	8,372	17,831	72,230	109,603	130,868	151,780	185,020		
Lubricating oil	7,588	7,067	13,869	13,181	13,921	25,104	22,845		
Road oil, etc.	4,897	3,859	22,241	17,261	25,141	26,276	33,470		
Paraffin wax	440	283	269	763	443	366	398		
Petroleum jelly	31	12	11	45	8				
Ozokerite and ceresin ..	—	6	111	160	10	24	5		
Asphalt and bitumen ..	—	16	601	961	83	3,213	3,398		
Angola—									
Motor spirit	5,407	6,147	10,069	11,644	15,800	16,140	21,858		
Kerosene	857	1,056	1,465	1,125	1,900	2,296	2,619		
Gas oil and fuel oil	2,357	2,386	3,684	3,950	5,700	7,897	8,705		
Lubricating oil	783	431	1,395	1,678	1,540	1,843	2,434		
Belgian Congo—									
Motor spirit	28,382	33,592	40,000	74,886	57,251	88,150	96,434		
Kerosene	4,237	4,688	5,200		5,678	14,006	12,073		
Fuel oil, etc.	5,028	5,535	6,000		12,142	29,654	31,796		
Lubricating oil and greases	4,218	2,848	(a)		11,678	9,487	8,358		
Petroleum jelly	7	33	(a)		(a)	(a)	(a)		
Paraffin wax	—	1	(a)	(a)	(a)	(a)			
Cameroun (French)—									
Motor spirit	4,497	5,923	7,889	8,014	17,034	19,308	(a)		
Kerosene	758	991	1,624	1,774	4,458	4,117	(a)		
Fuel oil	832	1,031	1,453	1,524	3,303	5,707	(a)		
Lubricating oil	792	368	784	715	1,747	1,792	(a)		
Canary Islands—									
Crude petroleum	(a)	152,286	454,143	945,834	1,921,173	2,014,628	(a)		
Aviation spirit		—	556						
Diesel oil		3,008	270,120						
Fuel oil		2,917	218,750						
Lubricating oil	—	980	840	—	—	—	—		
Cape Verde Islands—									
Motor spirit	127	(a)	(a)	(a)	(a)	(a)	(a)		
Kerosene	185								
Fuel oil (b)	9,075								
Ceuta—									
Petroleum products (b) ..	(a)	14,003	44,879	259,232	161,242	196,954	(a)		
Egypt—									
Crude petroleum	—	—	5	—	—	—	(a)		
Motor spirit	191,387	149,281	31,962	30,028	19,741	32,216	(a)		
Turpentine substitute ..	2,206	1,011	1,062	606	808	1,048	(a)		
Kerosene	472,822	480,784	533,956	442,679	317,356	152,757	(a)		
Fuel oil	903,115	1,026,797	721,290	685,169	634,635	474,058	(a)		
Gas oil			183,309	133,416	40,532	151,138	(a)		
Diesel oil			132,345	136,657	132,207	102,448	(a)		
Lubricating oil			29,977	19,143	24,351	29,822	36,050	32,452	(a)
Petroleum jelly			323	284	251	426	473	836	(a)
Paraffin wax	134	394	156	366	628	1,026	(a)		
Ozokerite and ceresin ..	2	—	10	17	35	27	(a)		
Asphalt and bitumen ..	784	570	620	880	1,889	845	(a)		

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Ethiopia (b)—								
Motor spirit	(a)	6,081	8,147	7,449	7,344	8,377	6,870	
Kerosene		1,782	2,164	1,909	1,527	1,400	(a)	
Fuel oil, gas oil, etc. ..		6,192	10,101	8,638	11,094	11,812	9,400	
French Equatorial Africa—								
Aviation spirit	291	923	1,568	17,382	20,953	33,894	(a)	
Motor spirit	6,741	9,856	12,773					
Kerosene	903	1,238	1,939	1,982	2,336	4,799	(a)	
Gas oil	851	1,302	1,238					
Fuel oil	276	81	721	2,661	6,584	12,149	(a)	
Lubricating oil	717	745	1,297					
Grease	50	17	56	(a)	(a)	179	(a)	
French Somaliland—								
Motor spirit	1,714	1,781	2,524	3,430	59	996	(a)	
Kerosene						1,051	206	(a)
Lubricating oil						1,347	1,285	(a)
French Togoland—								
Crude petroleum	3	34	7	(a)	82	55	(a)	
Motor spirit	358	510	950	1,458	1,569	1,851	(a)	
Kerosene	402	466	916	1,034	1,198	1,997	(a)	
Fuel oil	93	309	817	475	889	1,060	(a)	
Lubricating oil	181	57	118	148	342	128	(a)	
French West Africa—								
Motor spirit	15,846	70,781	35,498	40,928	65,551	65,787	(a)	
Kerosene	5,647		11,850	12,181	12,406	20,013	(a)	
Fuel oil	4,881		19,661	12,265	23,851	53,081	(a)	
Lubricating oil	4,109		3,771	6,585	7,532	7,638	(a)	
Liberia—								
Aviation spirit	(a)	(a)	(a)	(a)	(a)	1,300	500	
Motor spirit	(a)	(a)	(a)	(a)	(a)	5,000	6,000	
Kerosene	(a)	(a)	(a)	(a)	(a)	700	2,600	
Gas oil	(a)	(a)	(a)	(a)	(a)	2,500	5,900	
Madagascar—								
Motor spirit	5,346	7,804	12,794	19,750	19,914	18,000	(a)	
Kerosene	2,116	2,335	2,135	4,246	2,850	4,000	(a)	
Fuel oil, gas oil, etc. ..	1,527	10,581	1,616	4,643	4,532	7,000	(a)	
Road oil, etc.	—	—	1,196	1	4,011			
Lubricating oil	1,856	1,120	1,540	1,923	3,866	2,000	(a)	
Asphalt and bitumen ..	(a)	5	343	71	43	(a)	(a)	
Melilla—								
Petroleum products ..	(a)	6,431	10,769	9,363	12,637	10,654	(a)	
Morocco (French)—								
Crude petroleum	14,150	6,344	10,957	28,139	(a)	(a)	(a)	
Motor spirit	43,873	32,546	61,586	168,553	108,213	150,000	(a)	
Kerosene	(a)	(a)	(a)	18,327	23,800	24,900	(a)	
Gas oil	24,189	17,894	25,476	49,222	57,750	90,500	(a)	
Fuel oil	17,401	10,695	55,600	122,552	175,437	170,900	(a)	
Lubricating oil	4,287	3,344	6,451	9,940	—	24,900	(a)	
Grease	483	405	444	1,079	(a)	(a)	(a)	
Paraffin wax	1,849	2,077	1,901	6,090	(a)	(a)	(a)	
Asphalt and bitumen ..	7,110	63	9	919	(a)	(a)	(a)	
Morocco (Spanish)—								
Crude petroleum	(a)	(a)	983	173	(a)	(a)	(a)	
Motor spirit	5,669	7,397	8,350	10,087	(a)	(a)	(a)	
Kerosene	(a)	(a)	870	1,445	(a)	(a)	(a)	
Gas oil	1,311	2,392	1,991	2,196	(a)	(a)	(a)	
Fuel oil	296	132	149	265	(a)	(a)	(a)	
Lubricating oil and grease	311	558	400	1,643	(a)	(a)	(a)	
Paraffin wax	21	99	37	106	(a)	(a)	(a)	
Asphalt	96	519	266	281	(a)	(a)	(a)	
Mozambique—								
Motor spirit	9,205	10,085	13,103	17,110	20,573	21,551	22,919	
Kerosene	3,812	4,123	5,093	6,192	7,341	8,931	10,232	
Fuel oil	5,734	5,013	6,112	9,655	12,295	17,458	18,490	
Lubricating oil	1,881	1,632	1,749	2,179	2,352	2,796	3,041	
Paraffin wax	47	49	46	40	30	39	46	

(a) Information not available.

(b) Years ended September 10.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Mozambique (Cont.)—								
Petroleum jelly	13	10	12	12	11	22	29	
Asphalt and bitumen (c)	201	355	2,337	673	961	852	1,388	
Portuguese Guinea—								
Motor spirit	338	382	750	584	1,071	1,034	(a)	
Kerosene	142	139	172	281	379	475	(a)	
Fuel oil	200	158	271	204	415	216	(a)	
Lubricating oil	35	25	72	118	25	(a)	(a)	
Réunion—								
Motor spirit	731	695	987	} 13,838	{ 2,656	2,384	(a)	
Kerosene	479	395	326			497	1,006	(a)
Heavy oils	138	174	199			486	129	(a)
Grease	10	15	6			—	—	(a)
S. Thomé and Príncipe—								
Motor spirit	116	} (a)	(a)	(a)	(a)	(a)	(a)	
Kerosene	38		(a)	(a)	(a)	(a)	(a)	
Fuel oil	48		(a)	(a)	(a)	(a)	(a)	
Tunis—								
Crude petroleum	(a)	(a)	(a)	(a)	(a)	10,703	(a)	
Motor spirit	21,234	19,342	32,317	39,101	50,264	60,970	(a)	
Kerosene	6,447	8,713	15,746	14,887	28,023	24,890	(a)	
Fuel oil	461	2,685	5,438	19,287	16,532	41,141	(a)	
Gas oil	25,987	20,836	28,677	52,608	53,148	56,353	(a)	
Lubricating oil	10	4,563	6,608	4,606	10,577	7,151	(a)	
Petroleum jelly	—	18	26	9	3	2,524	(a)	
Paraffin wax	67	194	9	117	105	(a)	(a)	
Costa Rica (b)—								
Motor spirit	13,000	17,147	16,385	12,900	22,503	21,248	(a)	
Kerosene	2,291	2,927	(a)	2,800	137	(a)	(a)	
Diesel oil	11,469	18,417	16,906	23,254	28,022	24,707	(a)	
Fuel oil	34,189	26,856	29,028	40,103	38,410	33,185	(a)	
Lubricating oil	1,594	1,413	2,157	2,008	1,821	3,204	(a)	
Grease	131	103	117	36	170	111	(a)	
Petroleum jelly	17	24	18	486	(a)	(a)	(a)	
Paraffin wax	781	267	584	850	1,145	394	(a)	
Asphalt	1,752	59	955	5,000	1,064	1,870	(a)	
Cuba (b)—								
Crude petroleum	80,562	114,767	137,252	206,600	193,356	230,137	283,000	
Aviation spirit	(a)	(a)	(a)	15,333	22,000	19,000	25,000	
Motor spirit	26,169	36,093	73,566	151,127	177,281	221,551	259,000	
Kerosene	679	511	(a)	—	166	1	(a)	
Fuel oil	986,478	} 1,031,254	} 1,357,760	{ 1,213,479	} 1,064,270	1,101,939	1,290,000	
Gas oil	11,116					11,212	11,772	11,621	13,826	13,079
Lubricating oil	9,683	—	—	—	23,805	20,332	(a)	
Residual oils	—	—	—	—	12,402	16,327	(a)	
Petroleum jelly	1,006	—	—	—	695	762	(a)	
Greases	9	7	—	—	1	—	(a)	
Paraffin wax	2,095	1,211	(a)	(a)	(a)	(a)	(a)	
Asphalt rock	—	200	—	—	26	23	(a)	
Other asphalt	91	24	—	—	296	76	(a)	
Bitumen	179	229	—	—	—	4	(a)	
Petroleum coke	3,469	2,980	—	—	386	536	(a)	
Dominican Republic (b)—								
Motor spirit	11,152	11,873	—	30,035	39,361	35,170	(a)	
Kerosene	2,536	3,832	—	6,504	7,042	6,254	(a)	
Fuel oil	27,759	21,810	(a)	42,849	59,347	65,230	(a)	
Lubricating oil	1,684	1,532	—	6,506	7,437	1,492	(a)	
Other oils	972	696	—	3,329	3,972	2,593	(a)	
French West Indies—								
Guadeloupe—								
Motor spirit and kerosene	3,092	3,947	6,027	} 10,558	{ 9,231	9,269	(a)	
Fuel oil and lubricating oil	2,537	3,354	5,228			6,336	2,615	(a)

(a) Information not available.

(b) Total imports.

(c) Including coal tar and pitch.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
French West Indies (Cont.)							
Martinique—							
Motor spirit	2,177	3,348	4,468	6,201	7,771	11,431	(a)
Kerosene	1,049	871	1,055	1,817	1,350	1,998	(a)
Fuel oil	4,638	4,054	4,455	5,441	6,012	5,854	(a)
Lubricating oil ..	251	658	444	304	461	1,038	(a)
Guatemala—							
Crude petroleum, etc. ..	72,000	79,000	93,000	134,813	174,776	162,580	194,991
Aviation spirit	(a)	900	5,600	7,386	6,466	7,560	6,813
Motor spirit	6,700	5,000	19,000	23,984	31,744	36,741	46,812
Kerosene	2,300	2,800	3,000	4,341	5,800	5,877	8,331
Diesel oil	19,900	25,000	22,000	18,032	26,349	18,272	12,975
Fuel oil	(a)	(a)	(a)	(a)	57	323	1,057
Lubricating oil	1,500	1,800	(a)	2,302	3,217	3,406	2,353
Grease	162	174	(a)	66	255	204	217
Asphalt	2,989	344	(a)	2,539	3,172	763	14,449
Paraffin wax, etc. ..	1,118	870	(a)	1,281	1,596	1,300	2,036
Haiti (b)—							
Motor spirit	7,115	9,400	11,200	14,500	13,000	18,000	(a)
Kerosene	2,164	2,990	3,800	3,970	3,500	5,730	(a)
Fuel oil, etc.	4,083	3,900	7,000	9,130	8,400	(a)	(a)
Lubricating oil	560	580	500	540	560	560	(a)
Honduras (c)—							
Motor spirit	5,600	7,886	9,536	(a)	(a)	(a)	(a)
Kerosene, etc.	700	932	962				
Fuel oil	57,600	85,000	95,371				
Lubricating oil	800	4,502	1,494				
Mexico—							
Crude petroleum	8,963	11,023	23,277	28,057	46,579	6,424	3
Motor spirit	41,674	54,740	118,625	145,166	182,507	148,946	142,680
Kerosene	4,140	5,512	10,165	12,614	16,243	23,047	30,856
Gas oil	10,016	13,760	15,750	26,356	10,419	18,392	18,103
Fuel oil	48,714	47,419	101,094	128,467	151,931	137,855	117,204
Lubricating oil	28,699	39,862	37,472	45,755	41,424	49,543	56,795
Grease	2,326	2,772	3,738	3,819	3,411	4,430	4,894
Paraffin wax	8,217	4,736	12,689	12,612	16,243	23,047	30,856
Petroleum jelly	940	670	1,048	569	598	780	(a)
Asphalt	1,411	357	3,050	5,962	3,987	8,600	(a)
Asphalt rock	42	2	13	10	2,492	(a)	6,668
Natural gas (1,000 cu. ft.)	14,001,756	18,451,916	17,704,679	17,595,653	(a)	16,639,535	20,869,095
Netherlands West Indies—							
Crude petroleum	26,599,000	30,539,129	33,069,000	37,478,000	(a)	(a)	(a)
Aviation spirit	95,305	106,047	500	3,800	(a)	(a)	(a)
Motor spirit			2,980	23,400	(a)	(a)	(a)
Kerosene	4,255	4,960	(a)	(a)	(a)	(a)	(a)
Fuel oil	68,746	1,833,914	1,614,600	1,702,000	(a)	(a)	(a)
Diesel oil	71,069	141,733	58,400	(a)	(a)	(a)	(a)
Gas oil	39,225	16,972	49,000	9,500	(a)	(a)	(a)
Lubricating oil	2,628	1,930	700	840	(a)	(a)	(a)
Nicaragua (d)—							
Motor spirit	8,824	10,026	11,397	14,000	16,000	(a)	(a)
Kerosene	1,881	1,557	2,391	2,800	3,300	(a)	(a)
Fuel oil	20,483	31,209	23,630	19,000	22,000	(a)	(a)
Lubricating oil	1,649	1,581	1,502	1,677	1,900	(a)	(a)
Panama—							
Motor spirit	25,200	39,000	35,000	39,000	42,000	39,000	49,000
Kerosene	3,300	8,000	8,000	9,000	10,000	11,000	(a)
Diesel oil	7,700	14,000	18,000	21,000	19,000	17,000	(a)
Fuel oil	46,000	72,000	75,000	73,000	82,000	78,000	(a)
Lubricating oil	2,100	6,580	6,720	2,800	1,500	2,200	(a)
St. Pierre and Miquelon—							
Motor spirit	165	549	869	312	1,020	780	(a)
Gas oil and fuel oil ..							

(a) Information not available.

(b) Years ended September 30.

(c) Years ended March 31 of year following that stated.

(d) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Salvador—							
Motor spirit	4,700	6,100	11,246	14,229	17,300	21,000	(a)
Kerosene	1,140	1,780	2,545	2,800	3,400	3,900	(a)
Fuel oil	27,100	9,900	21,583	8,021	31,000	36,000	(a)
Diesel oil	4,230	4,370	7,383	8,066	14,700	10,000	(a)
Lubricating oil and grease	460	650	790	1,700	1,260	1,400	(a)
Asphalt	1,200	800	—	1,217	1,665	(a)	(a)
United States—							
Crude petroleum	6,406,000	10,571,973	12,500,987	14,187,878	18,369,642	22,118,025	24,676,627
Aviation spirit	8,388	125,566	5,566	3	113	380	2
Motor spirit, etc. ..	603,325	360,426	9,337	6,278	48,863	1,711	22,661
Naphtha	—	—	7	37,374	23	151	3,470
Kerosene	46,547	30,183	—	32	19,381	2	34,329
Fuel oil	5,555,328	4,955,227	6,931,885	8,546,931	8,219,709	11,287,386	17,872,337
Gas oil and diesel oil	1,744,387	2,748,894	1,257,391	584,992	346,209	320,888	381,996
Unfinished distillates and topped oils	1,449	150	3,325	18,891	24,954	617,395	1,051,685
Lubricating oil, etc. ..	394	920	12,661	6,321	14,316	30	105
Road oil, etc.	2,073	3,526	22,425	19,695	30,526	16,674	12,785
Paraffin wax, etc. ..	—	832	131	435	3,445	106	85
Ozokerite and ceresin ..	—	—	—	10	85	8	47
Petroleum jelly	—	—	1	42	1	—	—
Asphalt (petroleum) ..	111,552	127,502	86,789	163,714	220,693	174,028	275,856
Asphalt and bitumen (natural)	7,353	4,595	3,962	5,022	5,951	3,669	5,235
Natural gas (1,000 cu. ft.)	—	—	—	—	1,188	—	—
Argentina—							
Crude petroleum	133,281	140,937	896,493	1,230,000	1,868,000	1,455,000	(a)
Motor spirit	17	308	14,596	98,279	183,318	116,000	(a)
Kerosene	4,568	172	11,512	(a)	10,000	42,000	(a)
Gas oil	4	2,411	2,450	6,083	14,180	12,700	(a)
Fuel oil	235,011	317,115	2,017,763	2,299,250	2,505,709	2,124,000	(a)
Diesel oil	8,040	60,282	190,191	65,807	73,679	70,000	(a)
Lubricating oil	3,268	2,400	7,778	—	—	—	—
Petroleum jelly	394	499	441	—	—	—	—
Grease	29	53	99	—	—	—	—
Paraffin wax	—	180	868	—	—	—	—
Ozokerite and ceresin ..	—	4	175	(a)	(a)	(a)	(a)
Asphalt for paving ..	100	5	10	—	—	—	—
Asphalt for roofing ..	38	75	220	—	—	—	—
Other asphalt and bitumen	—	—	265	—	—	—	—
Pitch	—	25	22	—	—	—	—
Bolivia—							
Crude petroleum, etc. ..	(a)	65,000	58,040	71,867	65,846	(a)	(a)
Aviation spirit	(a)	2,400	(a)	4,634	4,699	(a)	(a)
Motor spirit	(a)	16,800	15,742	18,180	31,987	(a)	(a)
Kerosene	(a)	3,500	2,051	2,291	3,499	(a)	(a)
Lubricating oil and grease	(a)	2,400	2,950	2,898	2,715	(a)	(a)
Paraffin wax	(a)	960	961	1,190	1,276	(a)	(a)
Tar, pitch, etc.	(a)	2,460	778	1,342	985	(a)	(a)
Brazil (total imports)—							
Crude petroleum	17,807	9,823	36,135	8,558	—	(a)	(a)
Motor spirit	298,911	405,083	613,996	918,182	1,392,507	1,392,507	(a)
Kerosene	63,212	53,311	105,775	135,548	189,082	(a)	(a)
Gas oil	25,279	13,083	14,718	7,654	10,760	(a)	(a)
Diesel oil	72,516	98,587	137,651	252,608	420,784	(a)	(a)
Fuel oil	216,977	296,112	659,726	1,034,537	1,278,901	1,785,356	(a)
Lubricating oil	70,988	67,475	51,011	88,523	95,532	77,406	(a)
Transformer oil	2,388	1,154	1,021	2,480	1,339	(a)	(a)
Petroleum jelly	3,243	2,133	855	586	492	(a)	(a)
Greases	633	604	854	1,159	550	(a)	(a)
Paraffin wax	1,673	1,681	1,418	2,873	3,166	(a)	(a)
Asphalt and bitumen ..	27,854	9,230	6,331	13,585	10,202	(a)	(a)

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Chile—							
Crude petroleum ..	666,257	571,083	831,739	790,453	866,970	824,765	488,166
Motor spirit	88,925	101,249	160,420	202,076	222,788	246,377	(a)
Kerosene	14,143	16,097	22,187	24,436	30,000	35,636	(a)
Diesel oil	43,755	90,248	66,672	76,715	160,683	103,025	86,610
Fuel oil	45,829	78,895	22,186	732,083	760,229	585,812	(a)
Lubricating oil ..	14,880	14,314	14,027	18,200	16,940	18,900	(a)
Petroleum jelly ..	159	114	58	(a)	274	314	(a)
Greases	719	641	660	(a)	1,539	1,298	(a)
Ozokerite	3	3	7	(a)	(a)	(a)	(a)
Natural asphalt ..	396	85	485	(a)	(a)	(a)	(a)
Paraffin wax	4,880	6,687	4,377	5,750	5,482	8,590	(a)
Tar and pitch	3,077	6,401	6,371	3,163	3,438	(a)	(a)
Colombia—							
Motor spirit	21,264	24,773	66,222	100,410	172,820	126,689	(a)
Kerosene	(a)	24	36	(a)	(a)	(a)	(a)
Fuel oil and gas oil	2,420	15,375	23,206	19,429	55,562	(a)	(a)
Diesel oil	137	—	247	3,000	6,016	26,387	(a)
Lubricating oil, etc.	4,760	6,093	6,011	9,240	7,700	3,360	(a)
Petroleum jelly ..	152	140	148	(a)	(a)	(a)	(a)
Paraffin wax	5,279	5,910	6,285	6,158	9,117	(a)	(a)
Asphalt	206	409	294	(a)	(a)	(a)	(a)
Ecuador—							
Aviation spirit	1,262	1,951	3,442	4,800	8,555	7,444	(a)
Motor spirit							
Lubricating oil and greases	1,944	1,680	2,240	2,240	2,240	2,508	(a)
Asphalt and bitumen ..	(a)	590	665	(a)	2,377	3,461	(a)
French Guiana—							
Motor spirit	388	329	380	1,405	1,671	(a)	(a)
Kerosene	304	142	253				
Fuel oil, etc.	254	183	373				
Paraguay—							
Motor spirit	4,820	4,980	8,721	(a)	(a)	(a)	(a)
Kerosene	1,018	1,038	2,673				
Fuel oil, etc.	1,166	—	437				
Gas oil	538	426	269				
Lubricating oil	980	140	280				
Paraffin wax	—	9,448	98				
Asphalt, tar, etc. ..	(a)	608	(a)				
Peru—							
Crude petroleum ..	—	6	4	—	(a)	(a)	(a)
Motor spirit and gas oil	532	2,292	5,499	23,087			
Kerosene	7	—	1	—			
Lubricating oil	5,722	3,954	5,912	6,003			
Petroleum jelly	216	173	265	122			
Paraffin wax	2,724	3,144	1,851	2,760			
Asphalt and bitumen ..	149	301	74	21			
Greases	461	204	356	317			
Ozokerite	11	16	9	18			
Uruguay—							
Crude petroleum ..	176,570	300,280	264,850	405,850	780,000	690,000	(a)
Motor spirit, etc. ..	1,156	15,950	16,639	41,655	25,000	29,000	(a)
Kerosene	(a)	(a)	(a)	(a)	1,500	(a)	(a)
Gas oil	5,239	(a)	(a)	(a)	2,000	86,000	(a)
Fuel oil, etc.	57,780	133,800	204,000	179,900	48,000		
Lubricating oil and greases	3,022	7,140	10,780	(a)	(a)		
Paraffin wax	153	(a)	(a)	(a)	(a)	(a)	(a)
Petroleum jelly	103	(a)	(a)	(a)	(a)	(a)	(a)
Asphalt and bitumen ..	3,143	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Venezuela—								
Motor spirit	(a)	1,418	6,453	20,698	(a)	(a)	(a)	
Turpentine substitute		34	22	17				
Kerosene		—	—	669				
Gas oil		20	239	799				
Fuel oil		—	—	1				
Lubricating oil		9,660	10,080	(a)				
Paraffin wax		781	2,231	3,202				
Petroleum jelly		115	80	256				
Natural gas		1,579	1,720	(a)				
Asphalt, bitumen, etc.		3,248	162	812				
Afghanistan—								
Motor spirit	(a)	(a)	(a)	(a)	18,820	15,033	(a)	
Kerosene	(a)	(a)	(a)	(a)	1,782	636	(a)	
Diesel oil	(a)	(a)	(a)	(a)	1,500	3,800	(a)	
Lubricating oil	(a)	(a)	(a)	(a)	2,100	840	(a)	
China—								
Motor spirit	1,721	5,164	(a)	(a)	(a)	(a)	(a)	
Kerosene	—	1,782	234,308	303,824	(a)	(a)	(a)	
Fuel oil and diesel oils	—	1,413	337,750	1,249,208	(a)	(a)	(a)	
Lubricating oil	1,540	560	56,009	55,970	(a)	(a)	(a)	
Paraffin wax	12	—	5,096	5,623	(a)	(a)	(a)	
Asphalt	(a)	(a)	12,699	17,076	(a)	(a)	(a)	
French Indo-China—								
Motor spirit	15,820	(a)	7,700	20,000	35,751	62,381	(a)	
Kerosene			1,600	10,000	20,277	22,782	(a)	
Fuel oil			5,000	11,000	12,846	20,331	(a)	
Gas oil			(a)	(a)	5,000	4,383	9,280	(a)
Lubricating oil			1,400	(a)	(a)	5,326	6,484	(a)
Indonesia—								
Crude petroleum	(a)	(a)	(a)	(a)	904,000	1,634,000	(a)	
Motor spirit			64,834	37,524	28,574	1,500	(a)	
Kerosene			7,000	16,163	7,636	8,400	(a)	
Fuel and gas oils			54,824	(a)	8,194	4,662	(a)	
Lubricating oil			4,340	17,640	28,840	20,860	(a)	
Asphalt			(a)	20,464	30,147	43,540	(a)	
Iran (b) (c)—								
Crude petroleum	429	(a)	(a)	(a)	(a)	(a)	(a)	
Motor spirit	689		6,500	6,100	1,300	(a)	(a)	
Kerosene	11,327		28,200	13,900	5,800	(a)	(a)	
Gas oil	(a)		7,300	5,200	1,500	(a)	(a)	
Fuel oil	(a)		9,800	3,800	400	(a)	(a)	
Lubricating oil	(a)		4,000	2,400	3,600	(a)	(a)	
Greases	572		(a)	(a)	(a)	(a)	(a)	
Paraffin wax	51		390	850	530	(a)	(a)	
Petroleum jelly	7		98	280	123	(a)	(a)	
Asphalt, tar and bitumen	(a)		—	1,000	3	(a)	(a)	
Iraq—								
Crude petroleum	120,848	131,234	(a)	(a)	(a)	(a)	(a)	
Motor spirit	8,308	9,546	14,918	15,262	(a)	(a)	(a)	
Kerosene	11,959	17,284	(a)	(a)	(a)	(a)	(a)	
Fuel oil	1	(a)	(a)	(a)	(a)	(a)	(a)	
Lubricating oil	9,183	6,307	7,840	9,100	(a)	(a)	(a)	
Greases	118	70	(a)	(a)	(a)	(a)	(a)	
Asphalt and bitumen	1,107	1,315	(a)	(a)	(a)	(a)	(a)	

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Israel—							
Crude petroleum ..	(b)	(b)	(b)	(b)	(b)	137,346	192,966
Aviation spirit ..						—	9,373
Motor spirit ..						92,547	115,088
Kerosene ..						61,730	67,566
Fuel oils ..						316,511	325,524
Lubricating oils ..						8,694	9,121
Paraffin wax ..						624	437
Petroleum jelly ..						58	14
Asphalt ..	4,015	23,814					
Turpentine substitute ..						328	208
Japan—							
Crude petroleum ..	1,722,714	718,857	—	—	—	1,797	120,155
Motor spirit ..	400,000	—	48,224	145,467	227,557	(a)	1,108,691
Kerosene ..		3,182	18,152	13,584	—	(a)	2
Other refined products ..		18,725	260,285	327,323	1,000,000	(a)	(a)
Philippine Republic—							
Motor spirit ..	(a)	—	84,485	284,000	412,500	(a)	(a)
Kerosene ..		—	44,992	81,000	114,600	(a)	(a)
Other light oils ..		—	81	(a)	(a)	(a)	(a)
Fuel oil ..		—	10,019	103,600	269,000	(a)	(a)
Lubricating oils ..		23	9,762	36,900	19,600	(a)	(a)
Grease ..		—	729	2,115	1,909	(a)	(a)
Petroleum jelly ..		258	1,684	1,015	1,107	(a)	(a)
Mineral wax ..		153	991	2,354	4,579	(a)	(a)
Asphalt ..	(a)	60	23,641	3,211	148,241	(a)	(a)
Portuguese India—							
Motor spirit ..	883	797	1,184	1,278	(a)	(a)	(a)
Kerosene ..	1,524	1,653	2,337	2,738	(a)	(a)	(a)
Lubricating oils ..	199	284	220	264	(a)	(a)	(a)
Other oils ..	1,016	994	1,208	1,569	(a)	(a)	(a)
Syria and Lebanon—							
Crude petroleum ..	187,927	2,093,127	—	(a)	(a)	(a)	(a)
Motor spirit ..	19,135	17,327	8,951	29,720	39,500	98,100	(a)
Kerosene ..	18,511	24,089	13,967	19,000	22,000	56,800	(a)
Fuel oil and diesel oil ..	24,426	40,968	30,794	33,979	38,181	190,392	(a)
Lubricating oil ..	2,305	3,277	2,548	5,600	6,300	8,500	(a)
Paraffin wax ..	41	57	70	(a)	(a)	(a)	(a)
Petroleum jelly ..	4	11	48	(a)	(a)	(a)	(a)
Asphalt and bitumen ..	239	13	3,334	10,815	4,789	9,653	(a)
Turkey—							
Motor spirit ..	54,874	38,383	65,518	94,369	138,877	190,234	192,568
Kerosene ..	32,368	41,732	44,906	63,223	79,800	109,298	122,956
Fuel oil ..	50,548	57,137	56,116	74,261	81,081	133,605	150,342
Heavy oils ..	21,744	9,846	18,396	25,186	24,721	37,075	24,201
Paraffin wax and petroleum jelly ..	1,178	640	1,125	1,273	656	559	458
Ozokerite and ceresin ..	—	1	—	4	1	5	18
French Oceania—							
Motor spirit ..	3,204	3,334	3,718	4,289	6,010	(a)	(a)
Kerosene ..							
Other oils ..							
New Caledonia—							
Motor spirit ..	1,655	2,295	3,756	6,833	5,314	5,298	(a)
Kerosene ..	490	764	498	1,674	942	835	(a)
Fuel oil ..	869	1,504	1,894	5,361	6,722	3,444	(a)
Lubricating oil, etc. ..	380	140	163	436	487	560	(a)

(a) Information not available.

(b) See "Palestine" under British Countries.

PHOSPHATES
PRODUCTION OF PHOSPHATE-ROCK
(Including Apatite)
(Long tons)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
Seychelles (exports) (b) ..	5,755	6,867	20,726	14,061	21,237	13,727	9,691	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Southern Rhodesia ..	—	—	1,638	2,188	1,022	66	36	(a)	(a)	(a)	(a)	(a)	(a)	(a)
South West Africa (b) ..	—	27	275	217	309	155	571	—	6	130	180	90	(a)	(a)
Tanganyika (c) ..	28	9	7,099	6,495	—	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)	250
Uganda ..	1,000	8,511	37,096	41,171	39,030	55,579	51,025	6,800	9,400	13,000	14,400	13,700	19,500	17,900
Union of South Africa ..	20,755	26,911	—	—	—	—	115	360	200	40	—	—	(a)	(a)
Canada ..	430	267	51	—	174,765	18	315,361	—	5,000	30,000	89,000	149,000	207,000	268,000
Christmas Island (c) ..	(d)	6,000	32,750	104,451	1,114	243,475	319	—	400	160	(a)	(a)	(a)	(a)
India ..	228	524	243	853	1,114	589	319	180	400	160	(a)	(a)	(a)	(a)
Sarawak (guano) ..	(a)	(a)	(a)	(a)	420	500	643	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Australia ..	6,316	9,197	20	5,317	2,135	11	1,627	3,500	5,200	11	3,000	791	(a)	(a)
Nauru Island (c) ..	—	—	57,650	174,800	535,700	789,400	1,033,450	—	—	50,000	150,000	462,000	679,000	906,000
Ocean Island (c) ..	—	—	29,200	209,100	124,850	260,900	247,250	—	—	25,000	180,000	107,000	224,000	212,000
New Zealand ..	19,931	7,956	11,047	200	—	—	—	7,800	3,100	4,300	(a)	—	—	—
TOTAL ..	54,000	66,000	199,000	559,000	901,000	1,366,000	1,681,000	—	—	—	—	—	(a)	(a)
Irish Republic ..	19,662	21,761	11,545	10,610	—	(a)	(a)	9,400	13,300	5,500	5,100	—	(a)	(a)
FOREIGN COUNTRIES														
Belgium ..	129,623	52,448	68,823	57,128	67,849	43,938	50,043	43,000	17,000	32,000	19,000	32,000	15,000	17,000
France ..	91,500	74,267	95,749	102,424	83,249	64,602	16,555	23,000	18,000	20,000	21,000	21,600	15,000	(a)
Germany (d) ..	1,000	500	—	—	—	—	—	500	270	—	—	—	—	—
Norway ..	2,215	1,296	—	—	—	—	—	1,400	800	—	—	—	—	—
Poland (d) ..	7,000	5,000	10,000	—	—	—	—	2,600	1,900	—	—	—	—	—
Spain ..	17,490	20,031	18,318	19,884	22,652	22,728	23,707	11,200	13,000	3,700	13,000	14,800	15,000	15,400
Sweden ..	158,553	168,424	49,929	7,574	1,418	1,579	2,012	86,400	109,700	35,000	5,200	970	1,090	(a)
U.S.S.R. (d) ..	1,000,000	1,600,000	1,600,000	2,000,000	2,300,000	2,500,000	2,500,000	700,000	1,070,000	1,060,000	1,320,000	1,500,000	1,600,000	1,600,000

(a) Information not available.

(b) Phosphatic guano.

(c) Exports.

(d) Estimated by International Superphosphate Manufacturers' Association.

(e) Bat guano.

PRODUCTION OF PHOSPHATE-ROCK (Cont.)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)														
Algeria	216,870	395,000	575,600	702,517	660,000	638,000	666,400	140,000	237,000	374,000	457,000	422,000	415,000	493,000
Egypt	313,160	343,698	289,403	365,363	371,051	344,945	390,934	203,000	224,000	188,000	237,000	241,000	224,000	254,000
French West Africa	94	—	—	(f) 200	(f) —	(f) —	—	(a)	—	—	(a)	—	—	—
Morocco (French)	1,422,082	1,627,995	2,739,675	2,913,966	3,175,300	3,634,635	3,811,084	1,066,000	1,180,000	1,970,000	2,100,000	2,342,000	2,617,000	2,744,000
Tunis	513,997	695,200	1,377,700	1,727,500	1,834,300	1,419,200	1,500,700	323,000	438,000	868,000	1,090,000	1,171,000	894,000	946,000
Netherlands West Indies	7,813	10,256	77,432	77,978	57,900	111,230	90,500	6,000	7,800	56,000	60,000	43,000	82,000	67,000
United States	5,200,002	5,393,739	7,168,839	9,110,989	9,388,160	8,877,474	111,114,159	3,657,000	3,796,000	5,061,000	6,420,000	6,631,000	6,264,000	7,790,000
Chile	14,149	12,994	(a) —	48,460	58,587	48,531	(a) —	9,300	8,600	(a) —	32,000	33,400	29,600	(a) —
French Indo-China	7,040	—	(a) —	(a) —	(d) 20,000	(d) 20,000	(d) 20,000	5,600	(a) —	(a) —	(a) —	14,000	14,000	14,000
China (estimated)	75,000	(a) —	(a) —	(a) —	(d) 20,000	(d) 20,000	(d) 20,000	37,000	(a) —	(a) —	(a) —	—	—	—
Indonesia	2,000	2,000	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —
Japanese Islands (c)	52,000	(a) —	(d) 100,000	(d) 175,000	108,918	d 240,271	d 240,000	26,000	(a) —	70,000	120,000	75,000	160,000	160,000
Jordan (b)	5,644	4,867	4,024	6,058	(d) 4,000	(a) —	(a) —	4,000	3,200	2,600	4,000	(a) —	(a) —	(a) —
Korea	33,000	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	16,000	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —
Angaur Island (b)	26,000	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —	20,000	(a) —	(a) —	(a) —	(a) —	(a) —	(a) —
French Oceania	200,000	255,000	237,300	193,330	184,385	260,913	266,027	160,000	214,000	(e) 190,000	(e) 160,000	(e) 153,000	(e) 214,000	218,000
TOTAL	9,544,000	10,700,000	14,430,000	17,500,000	18,350,000	18,230,000	20,750,000	—	—	—	—	—	—	—
WORLD'S TOTAL	9,618,000	10,790,000	14,640,000	18,100,000	19,300,000	19,596,000	22,431,000	—	—	—	—	—	—	—

(a) Information not available.

(b) Exports.

(c) Excluding Angaur Island during the year 1944.

(d) Estimated by International Superphosphate Manufacturers' Association.

(e) Included with "Japanese Islands."

(f) In addition, the following amounts of aluminium phosphates were produced (long tons):—1947—640; 1948—3,901; 1949—5,585; 1950—11,722.

PRODUCTION OF SUPERPHOSPHATES

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	859,100	906,600	962,200	966,400	1,103,646	1,123,679	1,048,188
Union of South Africa*	208,929	221,430	275,686	288,395	305,992	403,511	517,857
Canada (c)	178,389	210,797	205,000	228,922	222,857	215,625	(e) 220,000
India	—	—	—	5,000	21,358	46,724	51,708
Australia (c)	543,690	829,453	1,105,304	1,170,489	1,186,062	1,423,137	1,483,458
New Zealand (d)	361,013	426,826	534,224	553,889	557,653	616,382	630,539
Irish Republic	60,800	(b) 82,840	(b) 129,795	(b) 141,648	149,100	138,925	162,255
FOREIGN COUNTRIES							
Belgium	1,200	307,800	448,717	603,107	381,019	335,995	366,817
Czechoslovakia*	(h) 4,250	390	78,864	199,897	207,926	(e) 200,000	(e) 250,000
Denmark	—	62,884	296,533	369,247	413,979	426,107	410,787
Finland	447	19,359	111,762	97,404	127,168	193,275	225,831
France	5,286	125,005	1,095,761	1,392,116	1,653,085	1,182,605	1,174,000
Germany*	(i) 13,340	(i) 15,445	(e) 160,000	(e) 345,000	(e) 500,000	(e) 600,000	(e) 650,000
Greece (g)*	—	21,629	73,236	71,758	69,860	97,473	70,666
Hungary*	3,406	853	2,136	(e) 16,000	37,283	(e) 40,000	(e) 40,000
Italy	19,116	173,661	616,148	1,018,765	1,206,000	1,457,000	1,454,554
Netherlands (g)	—	83,175	580,525	623,565	780,458	836,029	869,588
Norway	7,034	11,299	18,278	25,456	34,006	35,135	65,146
Poland	(e) 10,000	(e) 25,000	(f) 156,633	(f) 188,387	(f) 275,215	(f) 392,034	(f) 382,183
Portugal	340,469	289,492	235,564	239,763	298,062	298,661	308,783
Spain	275,137	527,503	283,180	351,780	696,913	822,683	920,343
Sweden	261,581	297,969	332,388	295,871	383,962	429,598	461,649
Switzerland	17,488	12,043	24,297	21,751	20,400	17,960	(e) 18,000
U.S.S.R. (e)*	1,000,000	1,600,000	1,600,000	2,000,000	2,300,000	2,500,000	2,500,000
Yugoslavia*	—	(e) 17,000	(e) 40,000	(e) 40,000	(e) 40,000	(e) 40,000	(e) 40,000
Canary Islands	6,976	10,202	5,088	3,822	9,813	16,000	16,000
Egypt*	14,418	15,835	14,972	21,707	37,365	58,306	67,634
Algeria	—	48,500	90,482	97,669	107,029	81,475	83,756
Morocco	—	26,430	48,059	52,000	54,000	54,100	68,900
Tunis	—	8,810	24,428	40,429	31,528	42,900	48,800
United States (g)*	6,644,597	7,289,326	7,769,053	9,209,566	9,424,474	9,387,564	9,720,537
Japan	110,000	10,830	168,512	697,739	939,476	1,142,485	1,385,759
Turkey	—	5,277	3,744	4,397	5,482	8,457	12,926
World's Total (g)	11,030,000	13,684,000	17,494,000	21,382,000	23,581,000	24,664,000	25,750,000

* Source : International Superphosphate Manufacturers' Association's "Superphosphate Statistics."

(a) Information not available.

(b) Including phosphate in compounds.

(c) Years ended June 30 of that stated.

(d) Superphosphate content of all fertilizers made during years ended March 31 of the year following that stated.

(e) Estimated.

(f) Including bone meal.

(g) Including Triple superphosphate converted to ordinary superphosphate.

(h) Excluding Sudetenland.

(i) Western Germany only. Comparable figures for later years are as follows (long tons):—1946—19,379; 1947—43,207; 1948—54,566; 1949—62,559; 1950—73,290.

PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain (b)	522,238	537,685	587,156	538,546	577,215	634,956	658,908
FOREIGN COUNTRIES							
Belgium	(a)	100,776	395,194	536,333	(a)	(a)	(a)
France	472,469	165,522	578,268	686,490	961,254	1,230,219	1,150,106
Germany	(c) 205,000	(a)	(a)	(a)	601,000	1,053,000	(a)
Luxemburg	(a)	61,000	258,000	426,000	550,000	525,000	488,000
Sweden	16,438	12,972	12,780	13,324	13,953	(a)	(a)
Japan	65,000	(a)	(a)	(a)	(a)	(a)	(a)

Basic slag has also been produced in Czechoslovakia, Italy, Poland, U.S.S.R. and the United States.

(a) Information not available.

(b) Estimated amount ground and used as fertilizers during the years ended June 30 of that stated.

(c) P₂O₅ content for year ended April 30 of year following that stated.

EXPORTS OF PHOSPHATES, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Superphosphates ..	120	10,869	1,436	4,052	18,655	1,936	3,186
Basic slag	3	196	1,631	1,053	2,043	(a)	(a)
Seychelles—							
Phosphatic guano ..	5,755	6,867	20,726	14,061	21,237	13,727	9,691
South West Africa—							
Phosphatic guano ..	(a)	27	1,638	2,188	1,022	938	568
Tanganyika Territory—							
Phosphates	28	—	—	—	—	—	—
Canada—							
Phosphatic fertilizer ..	121,861	144,016	126,019	145,867	120,249	130,815	108,224
Christmas Island							
Phosphate-rock	—	(b) 6,000	32,750	104,451	174,765	243,475	315,361
Palestine—							
Phosphatic fertilizer ..	3,270	4,537	4,347	(a)	(a)	(a)	(a)
Australia—							
Superphosphates	52	80	202	566	858	1,221	356
New Zealand—							
Superphosphates	3	—	—	—	1	1	1
Nauru Island—							
Phosphate-rock	—	—	57,650	174,800	535,700	789,400	1,053,450
Ocean-Island—							
Phosphate-rock	—	—	29,200	209,100	124,850	260,900	247,250
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Phosphate-rock	70,175	4,435	(a)	(a)	33,441	1,648	9,609
Superphosphates	—	(a)	(a)	(a)	339,470	360,089	329,202
Di-calcium superphosphate	2	(a)	(a)	(a)	77,000	50,784	50,720
Basic slag	33,578	(a)	(a)	618,082	817,718	899,624	818,302
Czechoslovakia—							
Superphosphates	(a)	(a)	—	30	(c) 9,994	(a)	(a)
Denmark—							
Superphosphates	—	—	152	54	12,231	17,362	12,031
France—							
Phosphate-rock	33,186	1,156	3,384	2	879	842	1,227
Superphosphates	295	298	21,448	36,034	82,128	160,775	118,577
Basic slag	640	5,804	56,076	65,192	91,919	292,776	334,492
Germany—							
Phosphate-rock	(d) —	} (a)	(a)	(a)	{ —	—	—
Superphosphates	(d) 162						
Basic slag	(d) 40,771						
Italy—							
Superphosphates, including bone superphosphates	(a)	(a)	(a)	995	83,281	21,851	15,900
Netherlands—							
Superphosphates	(a)	(a)	27,207	207,627	321,927	364,360	468,995
Basic slag	(a)	(a)	36	—	5	—	—
Portugal—							
Superphosphates	3	43,688	44,087	1,575	144	29,128	—

(a) Information not available.

(b) Estimated.

(c) January to October only.

(d) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Spain—							
Superphosphates, etc. ..	2,410	11,887	87,395	5,944	5,569	35,760	(a)
Sweden—							
Phosphate-rock	1,898	—	308	1,200	1,069	1,476	(a)
Superphosphates	4,921	11,318	2,953	—	—	—	—
Switzerland—							
Basic slag	—	—	36	5	—	5	(a)
U.S.S.R.—							
Apatite	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Other phosphate-rock ..							
Algeria—							
Phosphate-rock	19,195	311,405	501,945	667,894	599,419	560,965	582,857
Superphosphates	12,518	8,691	8,467	5,192	13,908	4,900	6,890
Egypt—							
Phosphate-rock	392,110	267,352	307,092	337,589	329,440	143,323	—
Morocco (French)—							
Phosphate-rock	1,349,704	1,431,793	2,338,278	3,125,347	3,081,944	3,483,382	4,077,000
Morocco (Spanish)—							
Superphosphates	85	155	168	40	(a)	(a)	(a)
Tunis (including re-exports)—							
Phosphate-rock	24,113	566,106	1,650,368	1,616,674	1,858,003	1,764,127	1,547,000
Hyperphosphates	—	—	—	—	—	114,373	142,274
French Indo-China—							
Apatite	(b) 50,000	(a)	(a)	(a)	(a)	(a)	(a)
Netherlands West Indies—							
Phosphate-rock	7,656	8,631	72,431	77,978	57,899	111,230	90,500
United States—							
Phosphate-rock	439,265	493,591	633,340	753,317	1,141,364	1,257,962	1,832,048
Superphosphates (d) ..	183,828	184,961	241,335	232,586	382,840	315,988	242,562
Angaur Island—							
Phosphate-rock	26,000	(a)	(a)	(a)	(a)	(a)	(a)
French Oceania—							
Phosphate-rock	200,092	228,064	228,134	205,027	180,212	235,749	250,802
Japan—							
Superphosphates	—	—	—	109,110	72,899	(a)	(a)
Jordan—							
Phosphate-rock	5,644	4,867	4,024	6,058	(a)	(a)	(a)

(a) Information not available.

(b) Average annual export.

(c) Imports of phosphate-rock into certain countries from U.S.S.R. were as follows (long tons) :—

	1944	1945	1946	1947	1948	1949	1950
United Kingdom	10,071	29,339	—	—	—	—	—
Belgium	—	(a)	(a)	87,359	—	(a)	—
France	—	(a)	(a)	—	—	(a)	(a)
Germany	—	(a)	(a)	(a)	(a)	—	—
Netherlands	(a)	(a)	—	47,954	33,667	—	—
Norway	—	25,116	15,979	26,866	23,812	16,277	(a)
Sweden	—	7,693	14,742	35,873	53,156	31,156	(a)
United States	6,090	12,804	—	—	—	—	—

(d) Including concentrated superphosphate.

IMPORTS OF PHOSPHATES, ETC.
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Phosphate-rock	675,777	642,702	864,035	905,730	983,869	1,086,653	1,109,294
Superphosphates	60,886	70,672	204,203	37,126	91,443	87,829	168,573
Basic slag	—	—	10,152	60,821	97,423	219,551	258,173
Kenya—							
Superphosphates, basic slag, etc.	(a)	(a)	(a)	(a)	(b) 2,949	3,782	10,940
Mauritius—							
Phosphatic guano	(a)	2,067	2,934	2,996	2,575	2,842	2,775
Superphosphates	—	—	—	1,000	12	100	100
Southern Rhodesia—							
Superphosphates	11,388	12,486	17,078	14,198	22,427	21,364	28,910
Tanganyika—							
Superphosphates, basic slag, etc.	(a)	(a)	(a)	(a)	68	132	2,739
Uganda—							
Superphosphates, basic slag, etc.	(a)	(a)	(a)	(a)	(c)	4	7
Union of South Africa (total imports)—							
Phosphate-rock	119,562	190,710	188,380	212,970	168,868	237,434	(a)
Superphosphates	—	—	5,000	(a)	35,830	22,526	(a)
Canada—							
Phosphate-rock	346,649	283,656	333,641	433,385	430,365	554,293	438,416
Superphosphates	90,858	59,740	85,297	126,764	106,592	149,618	163,234
Basic slag	15,548	21,567	41,001	44,614	49,740	33,433	30,900
British West Indies—							
Jamaica—							
Phosphatic fertilizers..	629	370	546	275	231	251	720
Trinidad and Tobago—							
Superphosphates	50	142	1,466	3,742	498	102	10
Basic slag	(a)	(a)	(a)	(a)	(a)	—	75
British Guiana—							
Superphosphates, basic slag, etc.	(a)	(d) 180	384	1,727	(a)	(a)	(a)
Ceylon—							
Phosphate-rock	15,902	19,196	17,959	16,842	22,335	24,609	31,548
Superphosphates	—	—	1,211	3,414	108	493	716
Basic slag	—	—	100	99	433	322	99
Cyprus—							
Superphosphates	(a)	(a)	(a)	8,862	14,321	17,290	20,881
India—							
Superphosphates	1,572	901	60	330	350	948	—
Ammonium phosphate	54,822	1,786	4,504	6,002	4,737	18,666	—
Other phosphates	—	1,500	2,505	995	21,844	9,608	53,445
Malaya (total imports)—							
Phosphate-rock	(a)	(a)	165	75	—	—	—
Phosphatic fertilizers ..	(a)	(a)	—	1,001	12,833	529	1,784
Palestine—							
Phosphate-rock	5,610	6,530	7,628	3,883	(a)	(e)	(e)
Australia—							
Phosphate-rock	422,523	575,353	689,098	746,518	738,139	1,016,291	1,233,703
Superphosphates	—	—	—	3,965	700	—	12,267
New Zealand—							
Phosphate-rock	162,566	214,788	310,502	281,365	309,902	402,425	206,050
Phosphatic guano	(a)	46	—	—	8,000	8,330	267
Basic slag	—	—	9,930	15,785	13,430	42,096	65,319
Other phosphates	29,388	26,557	26,432	71,646	51,380	37,719	69,115
Irish Republic—							
Phosphate-rock	27,525	18,240	79,224	73,300	112,746	127,865	144,488
Superphosphates	185	106	11	2,507	19,675	37,849	45,096
Basic slag	55	89	8,587	12,014	23,229	27,038	27,306

(a) Information not available.

(d) Including Sulphate of Potash.

(b) Including Uganda.

(e) See "Israel" under Foreign Countries.

(c) Included with Kenya.

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Austria—							
Phosphate-rock	(a)	(a)	9,547	—	—	493	60
Superphosphate	(a)	(a)	(a)	28,515	40	74,181	67,873
Basic slag	(a)	(a)	(a)	3,826	15,668	125,178	92,699
Belgium-Luxemburg E.U.—							
Phosphate-rock	460	(a)	304,194	488,086	398,679	347,861	391,601
Superphosphates	487	(a)	(a)	(a)	2	1	2
Di-calcium superphosphates	—	(a)	(a)	(a)	60	35	139
Basic slag	35	(a)	(a)	(a)	1,554	—	5,398
Czechoslovakia—							
Phosphate-rock	(a)	(a)	13,838	65,642	(b) 52,516	(a)	(a)
Superphosphates							
Denmark—							
Phosphate-rock	—	67,693	192,640	208,475	227,971	275,344	233,917
Superphosphates	—	—	—	—	—	1,952	62,536
Basic slag	18,366	—	—	—	—	—	10
Finland (total imports)—							
Phosphate-rock	1,898	27,398	71,351	150,356	177,295	240,785	204,966
Superphosphates	984	5,390	14,766	57,657	29,722		
Basic slag	—	—	2	14,755	—		
France—							
Phosphate-rock	37,465	428,975	1,013,742	1,153,345	1,396,256	940,907	1,096,400
Superphosphates	139	156	78	1	357	1,397	1,905
Basic slag	—	23	12,965	438	—	—	—
Germany—							
Phosphate-rock, etc. ..	(c) 64,968	(a)	259,159	(d) 445,000	554,451	461,189	586,147
Superphosphates	(c) 574	(a)	(a)	(e)(d) 52,000	396,461	318,583	62,349
Basic slag	(c) 10,036	(a)	(a)	(a)	31,007	145,624	144,217
Greece—							
Phosphate-rock	(a)	(a)	57,778	38,477	55,496	60,000	(a)
Hungary—							
Phosphate-rock	(a)	(a)	—	15,413	25,934	27,000	(a)
Iceland—							
Superphosphates	1,448	—	1,072	1,422	633	(a)	(a)
Italy—							
Phosphate-rock	(a)	(a)	439,940	581,120	702,584	761,511	861,590
Superphosphates, including bone superphosphates							
Netherlands—							
Phosphate-rock	(a)	(a)	335,498	476,152	508,130	558,975	542,673
Superphosphates							
Basic slag							
Superphosphates			11,251	2,744	9,747	12,645	51,262
Basic slag			141,533	247,400	231,134	156,728	309,203
Norway—							
Phosphate-rock	—	21,807	16,074	26,866	23,812	22,460	67,907
Superphosphates	—	20,274	87,037	66,422	71,272	122,246	90,291
Basic slag	4,986	—	10,416	4,824	7,801	4,782	3,899
Poland—							
Phosphate-rock	(a)	(a)	92,155	131,411	176,675	227,000	(a)
Portugal—							
Phosphate-rock	201,052	124,735	247,518	167,726	197,068	173,984	(a)
Basic slag	(a)	(a)	4,851	6,312	2,444	(a)	(a)
Spain—							
Phosphate-rock	225,505	266,244	153,362	246,350	429,220	414,953	410,591
Superphosphates, etc. ..	157	2,761	365	—	20	10	(a)
Basic slag	—	—	—	4,892	—	—	(a)
Sweden—							
Phosphate-rock	8,408	51,183	178,580	186,785	217,015	253,732	335,677
Superphosphates	—	—	—	—	—	10,202	68,860
Basic slag	—	—	1	3,547	2,224	—	932

(a) Information not available.

(b) January to October only.

(c) January to July only.

(d) Bizonal area only. Western Germany from 1948 inclusive.

 (e) P₂O₅ content.

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Switzerland—							
Phosphate-rock (b) ..	3,000	3,000	6,000	41,000	17,327	9,535	22,344
Superphosphates ..	—	1,783	8,132	5,291	6,240	7,190	11,470
Basic slag	34	12,961	106,732	137,057	116,497	114,707	122,385
Algeria—							
Phosphate-rock	188	1,057	—	—	—	—	1
Superphosphates ..	—	—	113	1,084	1,154	49	(a)
Basic slag	—	—	—	507	—	3,711	(a)
Egypt—							
Superphosphates ..	13	—	—	40,747	8,434	51,000	(a)
Tunis—							
Superphosphates ..	9,062	8,670	8,331	2,715	12,068	(a)	(a)
Cuba—							
Superphosphates ..	21,418	18,590	(a)	(a)	18,452	10,989	(a)
Calcium phosphate ..	(a)	(a)	(a)	(a)	6,138	19,741	(a)
United States—							
Phosphate-rock	123,414	141,658	59,739	42,477	48,104	64,891	87,173
Superphosphates ..	1,217	1,773	2,495	6,039	3,229	1,273	4,508
Basic slag	—	—	—	—	29	93	179
Ammonium phosphates	82,092	82,819	81,351	93,919	96,632	112,745	95,215
Brazil—							
Phosphate-rock	523	1,640	14,309	10,051	4,398	(a)	(a)
Superphosphates ..	5,724	20,378	17,064	44,696	43,548	(a)	(a)
Chile—							
Superphosphates ..	9	107	619	(a)	(a)	(a)	(a)
Colombia—							
Superphosphates ..	(a)	(a)	1,598	(a)	(a)	(a)	(a)
Di-calcium phosphates	(a)	(a)	2,110	(a)	(a)	(a)	(a)
French Indo-China—							
Phosphate-rock	—	(a)	(a)	6,053	(a)	(a)	(a)
Israel—							
Phosphate-rock	(c)	(c)	(c)	(c)	(c)	4,924	4,985
Japan (total imports)—							
Phosphate-rock	(a)	(a)	193,930	1,116,402	406,433	(a)	986,788
Superphosphates ..	(a)	(a)	(a)	2,644	(a)	(a)	(a)
Syria and Lebanon—							
Phosphates	1,731	1,626	803	(a)	(a)	(a)	(a)
Turkey—							
Phosphate-rock	(a)	(a)	3,050	4,444	3,937	5,905	4,528

(a) Information not available.

(b) Estimated on imports from producing countries.

(c) See " Palestine " under British Countries.

PLATINUM

PRODUCTION OF PLATINUM METALS

(Troy ounces)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Sierra Leone—							
Crude platinum ..	—	19	105	431	109	38	—
Union of South Africa—							
Crude (<i>Pt metals content</i>)	22,509	22,884	21,877	23,332	22,549	30,470	61,845
Concentrates (<i>Pt metals content</i>)	58,070	52,030	50,575	55,508	46,374	56,820	94,140
Osmiridium (<i>crude</i>) (<i>b</i>)	6,142	6,259	6,100	6,071	5,520	6,031	6,450
Canada—							
Crude platinum (<i>Pt content</i>)	—	—	—	—	—	—	—
Recovered from Ontario nickel-copper ores (<i>c</i>)—							
Platinum	157,523	208,234	121,771	94,570	121,404	153,784	121,100
Other platinum metals	42,929	458,674	117,566	110,332	148,343	182,233	148,342
Australia—							
New South Wales—							
Crude platinum ..	2	2	—	—	—	—	—
Tasmania—							
Osmiridium	107	109	95	99	92	39	46
New Zealand—							
Crude platinum ..	—	—	14	—	—	—	—
FOREIGN COUNTRIES							
Finland—							
Platinum and palladium	(a)	(a)	(a)	(a)	39	—	—
U.S.S.R.—							
Crude platinum (<i>d</i>) ..	150,000	150,000	175,000	150,000	125,000	100,000	(a)
Belgian Congo—							
Palladium	—	—	—	—	209	(a)	(a)
Ethiopia (estimated)—							
Crude platinum	3,000	3,000	3,000	3,000	3,000	3,000	3,000

(a) Information not available.

(b) It is estimated by the Department of Mines, Union of South Africa, that the osmiridium sold during these years contained the following amounts of the metals mentioned below (fine ounces) :—

	1944	1945	1946	1947	1948	1949	1950
Osmium	2,012	1,976	1,970	1,859	1,679	2,213	1,710
Iridium	1,816	1,768	1,691	1,677	1,483	1,964	1,594
Ruthenium	888	881	876	826	717	993	792
Platinum	795	847	853	785	671	891	724
Rhodium	47	49	47	42	37	56	52

(c) From 1945 inclusive the figures refer to the metal content of concentrates produced from nickel-copper ores. Prior to that year the figures represent refined metals recovered plus the content of concentrates sold. The 1945 figures include an accumulated revision of previous years.

(d) U.S. Bureau of Mines estimate.

PRODUCTION OF PLATINUM METALS (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States (b)—							
Crude platinum	33,625	26,551	22,949	13,836	13,741	17,169	16,098
Ore (<i>Pt metals content</i>) ..	—	—	—	—	—	—	—
New platinum metals recovered by refineries from gold and copper ores of domestic origin—							
Platinum	3,286	1,068	555	1,098	1,251	1,844	3,722
Palladium	3,575	3,396	2,735	3,471	4,261	5,794	11,533
Iridium, osmiridium, etc.	63	31	73	1	—	—	254
Colombia—							
Crude platinum	34,304	34,758	43,835	43,035	40,047	18,739	(a)
Bolivia—							
Platinum	(a)	(a)	253	—	—	—	—
Japan—							
Platinum	(a)	(a)	(a)	(a)	31	34	(a)
WORLD'S TOTAL (c)	515,000	998,000	567,000	505,000	532,000	576,000	(a)

(a) Information not available.

(b) Secondary platinum metals recovered in the United States were as follows (troy ounces) :—

	1944	1945	1946	1947	1948	1949	1950
Platinum	85,942	58,942	40,385	54,190	58,527	41,734	33,894
Palladium	29,684	32,968	27,856	27,492	28,418	37,209	21,167
Iridium	965	812	2,002	2,089	2,214	1,101	1,064
Other platinum metals	2,805	3,400	2,394	3,317	4,742	3,403	1,988

(c) Estimated.

EXPORTS OF PLATINUM*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Platinum—							
Ingots, grain and powder	—	3,078	17,504	17,306	57,476	102,417	158,257
Other kinds, including alloys	100	1,623	33,939	30,790	25,939	23,245	31,725
Other platinum metals and alloys	1,994	119,477	21,273	9,940	111,501	221,644	265,774
Sierra Leone—							
Unrefined platinum ..	—	8	59	319	104	—	—
Union of South Africa—							
Osmiridium	6,357	6,341	6,142	5,958	5,081	6,351	6,368
Platinum	81,644	56,729	61,310	56,288	64,579	85,820	102,551
Canada—							
Concentrates, etc. (b) ..	(£1,521,177)	(£2,988,238)	(£3,634,264)	(£2,893,008)	(£4,162,961)	(£4,791,495)	(£6,973,943)
Scrap	204	407	933	325	537	634	192
Australia—							
Platinum and platinum group metals	—	—	159	402	44	492	31
New Zealand—							
Platinum, etc. (jewellers' sweepings)	30	29	31	11	339	73	175
FOREIGN COUNTRIES							
Czechoslovakia—							
Unwrought platinum and scrap	(a)	(a)	237	96	—	(a)	(a)
Denmark—							
Rods, sheets, wire, scrap, etc.	2,600	—	96	547	547	3,762	514
France—							
Unwrought platinum and scrap	(a)	—	611	1,350	675	1,833	1,382
Drawn or rolled platinum	(a)	225	257	129	32	—	—
Germany—							
Platinum metals and alloys	(c) 106	(a)	(a)	(a)	—	900	4,088
Italy—							
Sheets, bars, dust, scrap, etc.	(a)	(a)	—	—	—	—	27
Netherlands—							
Unwrought platinum ..	(a)	(a)	482	2,604	4,533	7,363	2,792
Portugal—							
Bars	—	—	64	—	—	—	(a)
Sweden—							
Unwrought platinum ..	675	418	386	354	611	546	1,479
Switzerland—							
Unwrought platinum ..	—	32	—	643	707	161	2,636

* Official figures which, in many cases, do not include platinum sent by letter post.

(a) Information not available.

(b) Value of platinum and platinum metals contained in concentrates and other forms.

(c) January to June only.

EXPORTS OF PLATINUM (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
U.S.S.R.	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Cuba—							
Platinum	32	418	(a)	(a)	(a)	(a)	(a)
Palladium	64	193	(a)	(a)	(a)	(a)	(a)
United States—							
Ores, etc.	(a)	—	134	42	5	165	82
Ingots, sheets, wire, etc.	1,243	7,781	15,468	17,766	15,471	18,150	12,753
Palladium, rhodium, etc., and alloys	5,014	10,951	4,294	7,783	20,994	22,628	24,946
Colombia—							
Platinum	36,137	30,883	43,854	38,715	40,047	(a)	(a)

(a) Information not available.

(b) Exports of platinum metals from U.S.S.R. are not published, but imports into the under-mentioned countries from U.S.S.R. were (troy ounces) :—

	1944	1945	1946	1947	1948	1949	1950
United Kingdom ..	—	—	14,136	12,636	3,201	(a)	(a)
United States ..	75,322	77,741	106,851	94,367	67,705	—	1,469

IMPORTS OF PLATINUM*

(Less Re-exports

(Troy ounces)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b)—							
Ingots, grain and powder	—	363	14,936	12,790	2,926	695	2,360
Other kinds, including alloys	1,382	1,294	2,439	1,271	412	275	24
Other platinum metals and alloys	—	150	1,646	3,054	(c) 796	68	13,056
Canada—							
Platinum, palladium and iridium	(£13,931)	(£912,664)	(£2,031,358)	(£1,869,090)	(£2,664,532)	(£2,846,300)	(£7,019,709)
Palestine—							
Platinum	(£269)	(£8,267)	(£56,860)	(a)	(a)	(g)	(g)
Palladium	(£6,386)	(£12,460)	(£24,139)	(a)	(a)	(g)	(g)
Australia—							
Bars, rods, plates, etc. . .	(d) 1,536	(d) 484	(d) 27,743	(d) 27,147	1,725	579	875
New Zealand—							
Bars, sheets, wire, etc. . .	461	187	1,022	1,518	2,158	851	1,150
FOREIGN COUNTRIES							
Austria—							
Ingots, sheets, wire, etc.	(a)	(a)	(a)	96	1,415	(a)	(a)
Czechoslovakia—							
Unwrought platinum and scrap	} (a)	(a)	{ —	675	(e) 642	(a)	(a)
Bars, plates, sheets and wire				225	(e) 1,445	(a)	(a)
Denmark—							
Rods, sheets, wire and scrap	—	96	804	289	1,832	707	997
Finland (total imports)—							
Unwrought platinum	—	19	167	84	138	(a)	(a)
France—							
Unwrought platinum and scrap	(a)	12,314	11,446	3,183	129	1,768	482
Drawn or rolled platinum	(a)	—	932	643	—	—	—
Germany—							
Platinum metals and alloys	(f) 231	(a)	(a)	(a)	1,929	37,423	76,742
Italy—							
Bars, dust and scrap	—	—	64	75	280	97	2,739
Sheets and foil and wire	—	—	64	32	5	39	94
Netherlands—							
Unwrought platinum	(a)	(a)	1,640	2,476	2,861	4,951	6,912
Norway—							
Unwrought platinum	—	—	3,582	—	2,020	644	854
Sheets, rolled and wire	446	257	409	1,439	845	1,166	868
Portugal—							
Sheets, wire, etc.	(a)	27	144	385	(a)	(a)	(a)
Palladium	(a)	—	804	739	(a)	(a)	(a)
Spain—							
Bars, sheets, wire etc. . . .	10	—	180	225	10	449	(a)

* Official figures, which in many cases do not include platinum sent by letter post.

(a) Information not available.

(b) Imports of ores and concentrates containing platinum are not separately recorded. The values of platinum and platinum metals contained in concentrates and other forms exported from Canada to the United Kingdom were as follows:—1944—£206,867; 1945—£1,213,179; 1946—£2,058,786; 1947—£1,793,731; 1948—£2,768,196; 1949—£3,182,112; 1950—£3,799,238.

(c) Excess of re-exports.

(d) Total imports for years ended June 30 of the year stated.

(e) January to October only.

(f) January to July only.

(g) See "Israel" under Foreign Countries.

IMPORTS OF PLATINUM (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Sweden—							
Unwrought platinum ..	20	535	640	765	407	144	(a)
Switzerland—							
Unwrought platinum ..	100	547	450	1,222	322	1,254	2,218
Egypt—							
Ingots, bars, sheets, etc.	1	1,772	7,592	1,374	316	311	(a)
Cuba—							
Ingots and bars	(a)	(a)	(a)	(a)	707	457	(a)
Palladium	(a)	(a)	(a)	(a)	—	103	(a)
Mexico—							
Ingots and bars	—	164	763	156	18	(a)	(a)
Sheets and wire	187	947	2,616	(a)	(a)	(a)	(a)
United States—							
Ore (b)	101,747	138,089	26,614	4,486	1,943	505	628
Grains and nuggets (b)	35,345	33,875	51,330	51,116	28,263	27,728	35,793
Sponge and scrap (b) ..	65	2,368	49,929	50,980	68,907	69,768	106,663
Ingots, bars, sheets (b) ..	70,150	70,849	65,801	55,929	40,295	28,180	105,910
Iridium	3,075	6,197	12,402	5,011	5,472	4,221	6,457
Osmium and osmiridium	1,380	982	2,645	2,588	1,995	2,857	4,759
Palladium	137,496	118,267	195,555	133,962	119,949	73,770	142,673
Rhodium and ruthenium	6,954	13,028	9,419	5,749	8,604	11,255	19,506
Argentina—							
Platinum	31	922	5,496	(a)	(a)	(a)	(a)
Brazil (total imports)—							
Ingots, sheets and wire	135	734	1,455	—	(a)	(a)	(a)
Chile—							
Ingots, bars, scrap, etc.	60	233	613	(a)	(a)	(a)	(a)
Uruguay—							
Ingots	} 518	(a)	(a)	(a)	(a)	(a)	(a)
Palladium							
Israel—							
Platinum	(c)	(c)	(c)	(c)	(c)	754	1,267
Palladium	(c)	(c)	(c)	(c)	(c)	2,635	22,323
Syria and Lebanon—							
Unwrought platinum	45	379	843	(a)	(a)	(a)	(a)
Turkey—							
Sheets	—	161	—	—	64	—	—

(a) Information not available.

 (b) *Platinum content.*

(c) See "Palestine" under British Countries.

POTASH MINERALS
PRODUCTION OF POTASH

(Long tons)

Producing Country and Description	K ₂ O Content or Equivalent									
	1944	1945	1946	1947	1948	1949	1950			
BRITISH COUNTRIES										
Palestine—Muriate (chloride) ..	103,391	92,146	89,141	121,218	9,570	—	—			
India—Nitrate ..	(b) 2,118	(b) 7,467	(b) 3,457	4,144	2,972	6,354	(a)			
Australia—Alumite ..	19,866	22,259	35,852	34,731	39,832	32,694	(a)			
TOTAL (estimated)										
FOREIGN COUNTRIES										
France (c)—Sylvinite, 12-22% K ₂ O Fertilizer salts	2,904,742	842,215	3,502,554	4,102,886	4,409,508	4,886,091	5,767,000			
30-40% K ₂ O Chloride										
Germany (d)—50% K ₂ O and over	(a)	(a)	2,607,000	3,401,000	5,193,000	7,175,400	8,786,200			
Kaimit, sylvinite, etc.										
	51,700	46,100	44,600	59,870	5,742	—	—			
	1,100	3,700	1,700	2,000	2,500	3,000	(a)			
	345	455	574	1,725	1,830	1,480	(a)			
	53,100	50,300	46,900	64,000	9,000	5,500	(a)			
	12,809	20,770	27,972	62,882	79,625	80,157				
	92,115	73,969	168,580	361,735	386,986	345,301	1,001,500			
	354,363	47,931	369,870	198,232	206,177	365,894				
	1,579,000	(a)	284,000	337,000	530,000	737,300	896,000			

(a) Information not available.

(b) Exports plus consumption in tea gardens.

(c) Crude salts as mined.

(d) Western Germany only from 1946.

PRODUCTION OF POTASH (Cont.)

Producing Country and Description	K ₂ O Content or equivalent						
	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES(Cont.)							
Spain—							
Carnallite, sylvinitic, etc.	665,134	699,275	780,791	612,327	977,064	903,655	1,041,280
Eritrea—	(a)	(a)	(a)	(a)	115	420	546
United States—							
Muriate (chloride)—							
60-62% K ₂ O (c)	966,189	1,123,511	1,117,043	1,244,823	1,360,658	1,351,007	1,647,193
48-50% K ₂ O	102,277	105,069	109,158	111,714	130,067	153,996	135,310
Fertilizer salts	194,250	103,391	87,797	155,487	232,446	158,317	19,225
Sulphate (b)	146,657	86,159	192,908	189,562	186,198	172,938	199,204
Chile—							
Chloride	(a)	(a)	(a)	(a)	6,550	4,941	(a)
China—							
Nitrate	1,705	(a)	(a)	(a)	(a)	(a)	(a)
Japan—							
Alunite	(a)	(a)	(a)	(a)	(a)	3,488	3,342
Korea (Southern)—							
Alunite (impure)	18,120	—	—	—	—	(a)	(a)
TOTAL (d)	3,100,000	2,100,000	2,500,000	2,990,000	3,600,000	3,900,000	4,400,000
WORLD'S TOTAL	3,150,000	2,150,000	2,650,000	3,054,000	3,610,000	3,910,000	4,400,000

NOTE.—Potash is produced in Poland, the U.S.S.R., the Russian Zone of Germany and certain other countries, but statistics are not available. An allowance has been made for these countries in the world's total.

(a) Information not available.

(b) Including sulphate of potash-magnesia.

(c) Including refined potash and some 93-96% KCl.

(d) Estimated.

EXPORTS OF POTASH SALTS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
BRITISH COUNTRIES								
United Kingdom—								
Chromate and bichromate	133	238	460	24	424	697	653	
Nitrate	264	546	2,752	2,133	2,854	1,195	1,868	
Sulphate	2	6	35	86	25	34	50	
Other compounds	644	950	2,393	2,232	1,741	1,515	2,014	
Hong Kong (re-exports)—								
Nitrate	(a)	(a)	120	2,275	(a)	(a)	(a)	
Chlorate			630	1,529	1,927	2,500	2,693	
India—								
Nitrate	1,223	143	1,135	816	36	15	64	
Malaya (including re-exports)—								
Fertilizer salts	(a)	(a)	3	8	91	246	19	
Nitrate	(a)	(a)	—	5	1	1	5	
Palestine—								
Fertilizer salts	1,090	5,100	201	(a)	(a)	(a)	(a)	
Chloride	95,820	88,260	67,315	117,888	14,548	—	—	
Chlorate	30	36	3	(a)	(a)	(a)	(a)	
FOREIGN COUNTRIES								
Belgium-Luxemburg E.U.—								
Fertilizer salts	—	(a)	(a)	(a)	46,094	97,984	125,205	
Carbonate	148				2,793	2,782	2,790	
Caustic potash	—				5,367	2,566	3,641	
Chloride	366				167,388	280,323	401,263	
Chlorates	—				30	6	6	
Chromates, including those of sodium	—				215	124	387	
Nitrate	—				998	1,729	1,111	
Sulphate	—	92,828	92,684	80,317				
Czechoslovakia—								
Carbonate	(a)	(a)	33	1 (c)	40	(a)	(a)	
Manganate and permanganate, including those of sodium	(a)	(a)	411	100 (c)	77	(a)	(a)	
Finland—								
Chlorate	—	—	—	689	953	488	(a)	
France—								
Sylvinite, etc.	174	123,378	539,694	326,953	379,272	522,693	535,502	
Chloride		28,179	363,184	360,215	(e) 246,635	(e) 333,599	(e) 501,244	
Carbonate		—	4	3,478	6,831	5,362	4,534	6,065
Caustic potash		40	835	3,228	7,555	2,932	4,061	5,541
Nitrate		—	46	1,144	4,310	3,165	4,157	4,551
Permanganate		51	—	104	174	224	206	84
Sulphate		—	1,170	20,343	43,491	(f)	(f)	(f)
Germany—								
Fertilizer salts	(b) 399,684	(a)	(a)	(d) 22,000	33,614	113,834	343,806	
Carbonate and wool grease ash	(b) 3,593			(a)	(a)	—	645	5,619
Caustic potash	(b) 7,894			(a)	(a)	127	579	4,398

(a) Information not available.

(b) January to July only. Western Germany from 1948.

(c) January to October only.

(d) K₂O content.

(e) Including sulphate.

(f) Included with chloride.

EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Germany (Cont.)—								
Chlorate	(b) 756	}	(a)	(a)	{	(a)	55	491
Manganates	(b) 28					(a)	65	236
Nitrate	(b) 3,158					(a)	88	946
Sulphates and chloride	(b) 562,290					(a)	69,439	46,410	98,482
Netherlands—								
Caustic potash	}	(a)	1	3	—	61	165	
Chloride			370	580	1,188	994	1,206	
Nitrate			—	—	1	5	17	
Sulphate			75	489	409	589	547	
Spain—								
Fertilizer salts	143,976	124,470	146,726	193,462	205,827	235,929	184,160	
Chlorate	17	17	16	52	43	22	(a)	
Sweden—								
Carbonate	3	4	18	25	—	—	30	
Caustic potash	37	368	493	999	1,579	1,837	1,210	
Switzerland—								
Nitrate (crude)	1,013	41	271	298	14,172	1,256	15,449	
United States—								
Chloride	77,619	76,200	69,872	76,587	75,214	82,235	82,024	
Sulphate	8,517	8,055	—	(a)	(a)	(a)	(a)	
Other fertilizer salts	12,129	9,215	16,576	15,322	17,800	17,011	14,380	
Chromates	554	665	1,745	1,000	1,147	1,270	372	
Caustic potash	5,973	7,468	7,980	8,315	9,704	2,380	1,801	
Carbonates, etc.	1,222	2,559	}	11,619	10,302	10,482	10,277	6,010
Chlorates, etc.	1,477	1,439						
Nitrates, etc.	2,957	3,363						
Other compounds	1,339	1,125						
Chile—								
Chloride	281	2,283	2,590	2,174	—	(a)	(a)	
Nitrate	3,217	715	701	165,669	103,177	(a)	(a)	
Chlorate	276	155	101	169	551	(a)	(a)	

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

IMPORTS OF POTASH SALTS

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Fertilizer salts	—	—	—	—	—	664	691
Carbonate	—	—	148	215	354	476	3,946
Caustic potash and lyes	3,768	2,471	1,835	834	1,213	229	1,356
Chlorate	18	3	265	532	607	859	815
Chloride	213,832	164,685	223,481	315,675	438,036	394,192	396,847
Nitrate	963	(c) 5	297	110	25	(c) 37	244
Sulphate	—	—	2,964	17,315	18,177	20,901	13,850
Other Compounds	433	47	277	531	142	1,201	489
Kenya—							
Fertilizer salts	(a)	(a)	(a)	(a)	(a)	123	178
Mauritius—							
Nitrate	2,500	—	500	—	1,976	991	988
Northern Rhodesia—							
Compounds	259	91	52	62	74	11	44
Southern Rhodesia—							
Compounds	108	52	35	56	65	109	56
Tanganyika—							
Fertilizer salts	(a)	(a)	(a)	(a)	6	60	50
Uganda—							
Fertilizer salts	(a)	(a)	(a)	(a)	(a)	1	12
Union of South Africa (b)—							
Fertilizer salts	—	4,696	3,404	(a)	(a)	(a)	(a)
Nitrate	—	—	1	—	—	—	(a)
Caustic potash	114	159	220	261	265	244	(a)
Other compounds	403	377	563	2	20	66	(a)
Canada—							
Fertilizer Salts	15,689	10,328	6,611	7,141	7,634	6,181	2,043
Caustic potash	1,107	1,178	1,951	2,335	3,156	1,578	2,141
Chlorate	4	1	147	40	24	26	32
Crude chloride	59,014	62,693	69,863	86,366	92,150	90,136	87,954
Nitrate	970	655	366	261	355	439	448
Crude sulphate	3,901	3,522	3,809	2,596	4,634	5,635	7,195
Other compounds	676	809	765	772	687	1,046	1,124
British West Indies—							
Barbados—							
Fertilizer salts	4,571	332	2,783	5,167	3,250	3,687	6,289
Jamaica—							
Fertilizer salts	597	508	342	406	1,305	2,083	1,624
St. Vincent—							
Chloride	—	—	(a)	—	10	(a)	(a)
Sulphate	—	—	(a)	—	—	(a)	(a)
Trinidad and Tobago—							
Sulphate	—	271	160	1,062	960	1,241	635
Ceylon—							
Chloride	2,860	3,893	6,740	7,484	5,540	12,966	18,535
Nitrate of potash refuse	—	—	—	—	—	—	2
Sulphate	—	—	10	38	675	124	149
Hong Kong (total imports)—							
Nitrate	(a)	(a)	202	446	(a)	(a)	(a)
Chlorate	(a)	(a)	1,560	3,526	1,571	3,541	3,283
India—							
Bichromate	22	7	—	50	3	—	—
Chlorate	10	185	12	435	930	523	574
Chloride	20	1,530	1,108	2,933	1,528	4,561	4,613
Other compounds	430	558	800	889	2,288	4,148	1,133
Malaya (total imports)—							
Fertilizer salts	(a)	(a)	136	3,815	280	4,824	2,078
Nitrate	(a)	(a)	53	4	—	41	10
Palestine—							
Chlorate	—	—	20	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

(c) Excess of re-exports.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950				
BRITISH COUNTRIES (Cont.)											
Australia—											
Bichromate	74	125	61	5	37	78	(a)				
Carbonate	105	229	831	494	665	454	569				
Caustic potash	333	196	660	686	1,503	222	230				
Chlorate	146	130	—	104	3	17	7				
Chloride	(c) 4,527	(c) 3,329	(c) 7,245	(c) 6,356	(c) 10,707	13,423	12,992				
Nitrate	91	95	124	139	35	218	269				
Sulphate	—	—	—	—	(c) 150	196	734				
New Zealand—											
Caustic potash and pearl-ash	55	39	5	70	146	50	33				
Chlorate	58	55	28	40	32	259	45				
Chloride	1,211	5,558	3,661	7,941	2,146	5,272	10,599				
Nitrate	5	2	1	22	11	10	94				
Sulphate	224	215	223	645	550	2,476	1,854				
Other fertilizer salts ..	83	17	36	17	4	—	130				
Compounds other than fertilizer (£N.Z.) ..	(£17,147)	(£8,345)	(£9,096)	(£16,968)	(a)	147	4				
Irish Republic—											
Kainite	1	—	—	1	2,668	—	—				
Fertilizer salts (20–40% K ₂ O)	—	1	—	1	1,367	6,039	3,002				
Chlorate	52	52	21	45	68	81	101				
Chloride	1,324	1,541	2,662	13,414	11,490	9,108	22,464				
Nitrate	56	55	46	55	40	141	215				
Sulphate	—	—	—	370	421	535	845				
Other compounds ..	12	33	35	43	87	48	77				
FOREIGN COUNTRIES											
Austria—											
Fertilizer salts	(a)	(a)	(a)	8,135	7,941	66,639	43,037				
Caustic potash								37	116	109	79
Carbonate								64	138	207	173
Chlorates								113	241	350	684
Chromates								33	225	99	169
Nitrates								37	41	119	205
Belgium-Luxemburg E.U.—											
Fertilizer salts	16,944	19,715	(a)	(a)	253,135	447,221	408,726				
Carbonate	1,537							1,131	1,179	3	
Caustic potash	1,900							1,323	946	3,188	
Chlorates	182							2,049	631	820	
Chloride	158,154							304,640	414,390	574,478	
Chromates, including those of sodium ..	6							(a)	(a)	(a)	250	610	784
Manganate and permanganate	—	—	—	—	59	(a)	160				
Nitrate	176	—	—	—	41	27	113				
Sulphate	6,802	—	—	—	4,168	6,340	3,396				
Bulgaria—											
Carbonate	2	14	55	(a)	(a)	(a)	(a)				
Caustic potash	49	42	13								
Chloride	50	41	216								
Chromates	57	—	19								
Nitrate	20	103	118								
Chlorate	—	—	—								
Czechoslovakia—											
Kainite	(a)	(a)	20	—	(b) —	(a)	(a)				
Fertilizer salts (38–44% K ₂ O)								86,157	100,146	(b) 80,770	
Fertilizer salts (other) ..								4,921	—	(b) —	
Carbonate and nitrate ..								—	690	(b) 515	
Chloride								—	13,759	(b) 10,837	
Sulphate								—	2,953	(b) —	

(a) Information not available.
 (c) Years ended June 30 of that stated.

(b) January to October only.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Denmark—							
Kainite	25,919	2,160	—	—	—	—	—
Fertilizer salts	145,188	26,398	65,290	207,374	150,203	190,275	212,584
Carbonate	369	35	311	138	456	558	931
Caustic potash	1,546	253	919	605	1,161	1,194	1,557
Chlorate	119	78	99	80	139	187	(a)
Chloride	378	—	533	82	921	213	(a)
Chromates	139	52	46	—	45	36	(a)
Nitrate	302	12	462	380	335	587	739
Sulphate	6	—	1	4	2	11	(a)
Finland (total imports)—							
Fertilizer salts	52,274	4,898	36,106	73,791	82,373	91,991	54,951
Carbonate	100	17	103	139	186	79	(a)
Caustic potash	53	39	65	31	62	303	(a)
Chloride	10	295	758	1,461	591	1,446	(a)
Chromates	84	2	150	150	68	414	(a)
Nitrate	14	—	17	33	37	55	(a)
France—							
Fertilizer salts	(a)	(a)	(a)	(a)	—	3,935	2,724
Carbonate	2	4	22	—	—	—	—
Caustic potash	9	33	7	15	15	14	5
Chlorate	(a)	—	—	—	—	—	37
Chloride	—	—	—	—	1	—	—
Sulphate	74	1,170	—	—	—	6	4
Germany—							
Fertilizer salts	—	—	—	—	—	11,508	—
Carbonate and wool grease ash	(b) —	—	—	—	761	358	4
Caustic potash	(b) 24	(a)	(a)	(a)	153	2	197
Chlorate	(b) —	—	—	—	(a)	421	596
Manganates	(b) 32	—	—	—	26	157	30
Nitrate	(b) —	—	—	—	—	34	—
Greece—							
Carbonate	(a)	263	8	146	618	393	(a)
Caustic potash	(a)	102	20	13	83	63	(a)
Nitrate	(a)	(a)	125	55	10	31	(a)
Iceland—							
Fertilizer salts	202	246	450	(a)	(a)	(a)	(a)
Carbonate	14	13	8	(a)	(a)	(a)	(a)
Caustic potash	—	22	29	(a)	(a)	(a)	(a)
Italy—							
Fertilizer salts	(a)	(a)	(a)	18,098	26,471	44,751	26,906
Carbonate	(a)	(a)	(a)	1,216	683	1,294	1,986
Caustic potash	(a)	(a)	(a)	1,346	2,087	2,813	2,861
Netherlands—							
Kainite	—	—	—	—	62,622	18,393	47,147
Fertilizer salts (20% K ₂ O)	—	—	30,829	42,699	22,482	61,143	44,896
do. (40% K ₂ O)	—	—	98,429	162,614	181,379	274,008	298,199
do. (50% K ₂ O)	—	—	22,673	1,614	2,036	166	—
Caustic potash	(a)	(a)	590	649	6,129	1,619	2,098
Chloride	—	—	7,281	11,851	24,762	16,551	3,263
Nitrate	—	—	156	198	220	169	1,891
Sulphate	—	—	3,228	13,429	31,907	24,806	48,370
Patent potash	—	—	—	—	1,716	—	—
Norway—							
Fertilizer salts	72,437	2,282	52,150	55,991	83,492	113,532	78,255
Carbonate	266	343	353	291	396	486	377
Caustic potash and lyes	1,448	400	704	979	1,406	2,188	1,078
Chloride	26	10	7,251	3,569	8,403	16,551	10,700
Nitrate	37	210	122	115	93	169	(a)
Portugal—							
Carbonate	5	14	53	111	51	15	(a)
Caustic potash	3	2	47	44	70	19	(a)
Chlorate	133	177	171	231	240	138	(a)
Chloride	12,627	20,488	9,858	11,850	4,639	10,139	(a)

(a) Information not available.

(b) January to July only.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Portugal (Cont.)—							
Chromate	16	6	140	28	3	3	(a)
Nitrate	50	278	198	249	122	173	(a)
Sweden—							
Fertilizer salts (20% K ₂ O)	1,085	—	10	—	—	—	—
do. (40% K ₂ O)	70,155	1,821	93,274	130,075	102,966	120,443	143,027
do. (other) ..	24,315	—	17,945	197	156	10	43
Carbonate	1,897	238	804	1,052	1,065	761	939
Caustic potash	591	247	857	510	346	59	91
Chloride	2,181	—	7,087	16,631	13,958	7,516	9,365
Nitrate	288	108	592	412	223	610	(a)
Switzerland—							
Fertilizer salts	67,411	52,811	42,365	46,013	44,617	43,519	58,434
Carbonate	324	88	746	649	628	676	948
Caustic potash	1,048	599	1,435	2,395	2,234	1,105	2,230
Chloride	441	433	2,150	2,566	2,721	1,264	2,183
Nitrate, crude	—	—	49	—	—	—	—
Nitrate, purified, including sodium nitrate ..	94	39	707	737	878	319	932
Algeria—							
Fertilizer salts	—	7,314	22,666	21,489	31,481	21,305	24,214
Carbonate	—	2	50	—	(a)	7	(a)
Caustic potash	11	61	45	40	68	35	(a)
Nitrate	—	12	20	15	100	16	(a)
Sulphate	—	—	3,495	9,058	182	—	(a)
Egypt—							
Fertilizer salts	503	—	—	—	1	45	(a)
Carbonate	8	2	83	37	113	163	(a)
Caustic potash	52	146	59	144	87	4	(a)
Chlorate	116	93	124	77	166	124	(a)
Chromates, including those of sodium ..	139	193	632	600	572	293	(a)
Manganates	13	8	26	23	40	20	(a)
Madagascar—							
Fertilizer salts	(a)	(a)	611	373	530	(a)	(a)
Caustic potash	(a)	1	5	1	24	(a)	(a)
Mozambique—							
Carbonate	—	—	15	15	—	31	6
Tunis—							
Carbonate	—	4	1	3	5	(a)	(a)
Caustic potash	4	—	16	—	3	(a)	(a)
Chlorate	—	8	1	1	53	(a)	(a)
Chloride	—	37	2,121	632	1,979	(a)	(a)
Nitrate	5	1	6	12	16	(a)	(a)
Sulphate	—	1	492	251	1,476	(a)	(a)
Cuba—							
Nitrate, including nitrate of soda	2,416	22,190	(a)	(a)	18,954	13,143	(a)
Chlorate	75	86	(a)	(a)	309	169	(a)
Chloride	(a)	(a)	(a)	(a)	2,944	8,037	(a)
Sulphate	(a)	(a)	(a)	(a)	2,713	8,323	(a)
Mexico—							
Nitrate	(b) 12,567	15,694	11,236	(a)	(a)	(a)	(a)
Caustic potash	187	369	3,015	3,084	9,227	(a)	(a)
Chlorate	407	712	830	(a)	(a)	(a)	(a)
Carbonate	37,224	35,568	24,693	(a)	(a)	(a)	(a)
Sulphate	1	2	2	(a)	(a)	(a)	(a)
United States—							
Fertilizer salts	—	—	—	71	476	912	1,287
Carbonate	—	—	2	8	3	2	4,710

(a) Information not available.

(b) Including nitrate of soda.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950				
FOREIGN COUNTRIES (Cont.)											
United States (Cont.)—											
Caustic potash	—	18	40	22	81	32	726				
Chlorates	54	333	469	179	37	140	306				
Chloride	1,017	6,126	3,082	31,504	31,789	26,005	264,216				
Cyanide	—	—	—	20	22	—	636				
Nitrate	—	—	—	23	—	6	175				
Potassium-sodium nitrate mixtures	8,399	—	3,929	2,232	—	6,074	18,240				
Sulphate	—	—	—	8,956	10,540	563	38,388				
Argentina—											
Bichromate	8	2	87	}	(a)	(a)	(a)				
Carbonate	—	—	134								
Caustic potash	139	167	570								
Chlorate	—	374	273								
Cyanide	2	17	28								
Nitrate	168	757	124								
Sulphate	—	—	—	}	(a)	(a)	(a)				
Brazil (total imports)—											
Caustic potash	194	91	217					881	(a)	(a)	(a)
Nitrate of potash	1,375	976	702					906	(a)	(a)	(a)
Chloride	2,147	3,266	3,655					16,466	(a)	(a)	(a)
Sulphate	270	132	441					1,396	(a)	(a)	(a)
Chile—											
Bichromate	10	10	86	(a)	(a)	(a)	(a)				
Carbonate	15	17	46	(a)	(a)	(a)	(a)				
Caustic potash	34	31	61	(a)	(a)	(a)	(a)				
Chlorate	212	108	81	(a)	(a)	(a)	(a)				
Nitrate	1	—	—	(a)	(a)	(a)	(a)				
Colombia—											
Carbonate	(a)	8	4	}	(a)	(a)	(a)				
Caustic potash	(a)	13	19								
Chlorate	56	134	259								
Nitrate	197	79	249								
Sulphate	(a)	—	57								
Peru—											
Caustic potash	5	19	8	(a)	(a)	(a)	(a)				
Other salts	349	303	355	(a)	(a)	(a)	(a)				
Uruguay—											
Nitrate	31	(a)	(a)	(a)	(a)	(a)	(a)				
Caustic potash	11	(a)	(a)	(a)	(a)	(a)	(a)				
Venezuela—											
Carbonate	}	(a)	(a)	(a)	}	(a)	(a)				
Caustic potash		38	42	78							
Chlorate		(a)	(a)	(a)							
Nitrate		31	66	51							
Japan—											
Fertilizer salts	(a)	(a)	56,454	62,525	52,657	(a)	(a)				
Syria and Lebanon—											
Fertilizer salts	1,208	592	898	(a)	(a)	(a)	(a)				
Caustic potash	1	3	1	(a)	(a)	(a)	(a)				
Turkey—											
Carbonate	7	855	164	623	231	1,150	826				
Caustic potash	—	1	86	27	97	72	89				
Chlorates	—	—	165	291	3	25	7				
Chromates	62	43	18	80	43	89	89				
Nitrate	—	2	263	105	50	356	287				
Other salts	16	15	42	47	25	25	65				

(a) Information not available.

PYRITES

PRODUCTION OF PYRITES* (including Cupreous Pyrites)

(Long tons)

Producing Country	Estimated Sulphur Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
Great Britain	24,409	23,069	20,628	9,946	3,862	16,919	13,288	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Kenya	—	—	407	—	—	—	—	14,700	14,500	10,600	7,500	5,700	7,300	(a)
Southern Rhodesia .. .	33,638	32,937	24,117	16,873	13,016	16,701	13,592	14,700	14,500	10,600	7,500	5,700	7,300	6,000
Union of South Africa .. .	35,584	37,947	37,443	34,271	35,424	34,966	35,457	16,180	16,480	16,292	14,927	15,212	15,033	15,377
Canada (sales) (c) .. .	223,278	203,324	180,299	159,164	164,348	223,639	283,094	108,726	98,396	86,195	73,783	77,791	104,983	135,374
Cyprus (saleable) .. .	11,531	26,365	191,948	427,879	407,662	660,162	596,736	5,408	12,919	9,501	210,944	196,901	320,179	293,981
Australia	87,617	116,000	117,800	117,800	89,412	88,060	121,173	40,700	55,200	55,000	55,300	41,564	40,373	53,036
TOTAL	416,000	440,000	573,000	766,000	714,000	1,030,000	1,060,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES														
Austria	(a)	(a)	3,768	6,163	7,747	11,440	13,315	(a)	(a)	(a)	(a)	2,896	4,000	3,422
Czechoslovakia	(a)	(a)	7,700	(c)	(a)	(f)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Finland (b)	125,644	108,578	124,315	149,863	174,708	177,197	159,491	55,000	48,000	55,000	66,000	78,000	79,000	69,000
France (e)	111,127	167,000	216,821	195,434	178,814	202,149	243,300	43,000	67,400	86,000	76,200	80,900	83,900	93,000
Germany	(a)	(a)	d 208,900	d 315,800	d 377,000	423,600	516,900	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Greece	4,310	6,410	63,177	57,256	19,022	20,654	86,293	(a)	(a)	30,300	27,300	(c)	(a)	(a)
Italy	225,163	101,710	394,193	618,868	821,839	852,499	881,316	(a)	(a)	190,000	300,000	382,000	392,000	415,000
Norway	738,553	243,557	531,324	708,643	723,412	733,000	737,530	(a)	(a)	229,035	305,418	309,965	312,956	(a)
Poland	(a)	(a)	27,807	39,033	(f) 54,000	(f) 54,000	(a)	314,363	104,689	(a)	(a)	(a)	(a)	(a)
Portugal	128,075	168,267	310,000	382,686	552,274	613,092	603,801	57,634	75,720	139,501	172,209	248,524	275,892	271,710

* See also Sulphur (page 290).

(a) Information not available.

(b) Pyrite concentrate only.

(c) Produced as a by-product in the treatment of copper and copper-zinc ores.

(d) British and U.S. Zones only.

(e) In addition the sulphur content of mispickel and auriferous pyrites was as follows (long tons):—1944—3,547; 1945—5,771; 1946—5,839; 1947—6,496; 1948—7,351; 1949—9,240; 1950—(a).

(f) Estimated.

PRODUCTION OF PYRITES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950	Estimated Sulphur Content						
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)														
Spain	504,159	885,538	1,157,403	995,014	1,359,532	1,234,991	1,509,564	245,000	429,000	561,000	483,000	659,000	(a)	(a)
Sweden	312,441	257,846	275,783	305,666	385,841	417,310	400,384	154,971	129,026	134,621	145,271	179,113	201,846	199,105
Algeria	32,385	28,818	39,723	34,780	33,690	32,180	24,700	13,000	11,738	16,244	14,000	13,500	13,220	10,250
Morocco (French)	—	—	—	—	—	197	1,450	—	—	—	—	—	(a)	(a)
Tunis	—	453	2,731	6,570	3,164	2,884	1,130	—	200	1,255	3,000	1,400	1,580	538
United States (b)	788,530	722,596	813,372	940,652	928,531	888,388	931,163	332,760	296,364	337,549	392,252	388,126	378,453	392,951
Japan	1,228,979	397,598	474,557	819,588	1,119,909	1,510,950	1,881,400	542,000	175,000	202,000	348,000	476,000	623,000	(a)
Korea	242,188	61,084	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)

Pyrites is also produced in Roumania, U.S.S.R., Yugoslavia, China, Brazil and Manchuria.

(a) Information not available.

(b) Includes by-product pyrites.

EXPORTS OF PYRITES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Southern Rhodesia—							
Iron pyrites	33,166	30,465	26,437	17,308	12,246	16,665	12,329
Canada—							
Pyrites (<i>S content</i>)	81,104	67,392	60,754	50,299	44,860	80,851	99,689
Cyprus—							
Iron pyrites	11,271	100,075	256,203	352,946	369,925	401,768	533,501
Cupreous pyrites	—	—	—	—	—	77,820	112,210
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	(a)	(a)	7,975	20,098
Belgium-Luxemburg E.U.	—	(a)	(a)	(a)	3,282	—	362
Finland—							
Concentrate	38,021	75,309	—	11,731	5,462	30,222	(a)
France	—	9,546	—	934	33	7	(a)
Germany—							
Pyrites, etc.	(b) 70,139	(a)	(a)	(a)	—	—	6,496
Greece	(a)	(a)	7,660	21,028	29,506	4,990	(a)
Italy	(a)	(a)	(a)	72,082	81,549	87,209	88,408
Norway—							
Iron pyrites	204,373	47,952	168,058	164,005	206,236	172,371	183,381
Cupreous pyrites	260,022	66,318	156,708	227,378	274,429	234,526	199,540
Portugal—							
Cupreous pyrites	(a)	92,678	238,798	299,110	406,116	339,390	(a)
Spain—							
Iron pyrites	221,979	491,197	622,049	987,893	1,093,550	1,054,809	1,199,493
Cupreous pyrites	(a)	(a)	(a)	(a)	—	9,499	27,485
Sweden	9,845	48,690	124,586	109,985	64,653	54,478	60,689
Yugoslavia	(a)	(a)	(a)	(a)	(a)	(a)	172,921
Algeria	(a)	(a)	(a)	3,898	5,336	—	(a)
Japan—							
Iron pyrites	201,003	41,394	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) January to June only.

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom— Iron and cupreous pyrites	159,898	132,618	161,905	175,055	212,803	230,323	191,636
Irish Republic	8,051	23,150	30,752	30,582	41,193	38,487	45,293
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	20,981	26,766	25,480	75,649
Belgium-Luxemburg E.U.	17,220	(a)	(a)	(a)	364,691	308,543	321,129
Czechoslovakia	(a)	(a)	249,063	197,779	(b) 168,077	(a)	(a)
Denmark	4,190	29,564	72,740	110,852	136,944	128,829	144,857
France	34,660	95,277	563,243	511,270	594,057	635,144	548,091
Germany—							
Pyrites, etc.	(c) 416,016	(a)	(a)	(a)	454,580	278,942	628,961
Hungary	(a)	(a)	—	11,686	(a)	(a)	(a)
Italy—							
Iron-pyrites	(a)	(a)	(a)	17,145	18,388	53,231	421,166
Netherlands	(a)	(a)	139,987	253,987	258,549	252,023	312,851
Sweden	29,850	20,055	108,810	101,077	79,261	95,801	97,426
Algeria	—	—	—	—	2,972	2,046	(a)
United States	180,763	186,507	182,893	126,553	107,411	120,937	208,766
Japan	22,701	—	(a)	(a)	(a)	(a)	11

(a) Information not available.

(b) January to October only.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

SALT
PRODUCTION OF SALT
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain—							
Rock-salt	17,490	16,792	20,490	39,997	40,400	(a)	(a)
Brine-salt	827,982	820,409	875,281	851,625	902,537	875,020	922,720
Salt in brine (b)	2,525,978	2,396,050	2,456,779	2,247,277	2,831,917	2,807,418	3,234,475
Northern Ireland—							
Brine-salt	11,043	12,479	13,261	12,404	13,036	12,768	12,958
Mauritius—							
Sea-salt	3,867	2,960	3,115	3,928	3,350	5,118	2,565
South West Africa—							
Rock-salt	3,216	2,795	3,477	2,744	4,366	2,430	3,845
Other salt	8,954	10,690	10,423	9,705	10,249	13,514	12,699
Anglo-Egyptian Sudan	35,401	43,769	40,335	36,408	35,665	42,349	40,110
Kenya	13,829	15,242	15,388	13,836	16,547	18,523	18,426
Tanganyika	10,005	9,352	13,162	10,367	11,398	14,743	13,582
Uganda	(a)	(a)	5,589	6,892	2,992	7,283	7,296
Union of South Africa	(c) 121,611	(c) 138,272	(c) 141,407	(a)	(a)	160,362	104,716
Canada (sales)—							
Rock-salt	(d) 34,651	(d) 33,772	(d) 34,260	21,357	23,132	38,663	49,258
Other salt (e)	586,078	567,189	446,084	629,129	638,708	630,100	717,573
British West Indies—							
Sea-salt—							
Bahamas (exports)	11,571	33,500	82,357	72,607	31,439	54,607	(a)
Leeward Islands (exports)	4,625	7,596	6,444	(a)	(a)	(a)	(a)
Turks and Caicos Islands	30,865	19,470	29,045	—	38,000	47,000	60,000
Aden	205,508	139,945	113,042	194,549	271,058	303,432	255,865
Burma	(a)	(a)	43,916	51,736	(f)	(f)	(f)
Ceylon	28,233	41,695	42,920	22,791	77,000	28,211	66,859
Cyprus	5,250	—	3,375	15,375	—	—	4,068
India—							
Rock-salt	} 1,864,725	1,943,593	{ 259,041	—	—	4,229	(a)
Other salt .. ..								{ 1,659,065	1,895,588	2,333,548	2,039,000	2,620,213
Pakistan—							
Rock-salt	(g)	(g)	(g)	198,110	153,988	167,700	(a)
Palestine—							
Rock-salt	1,162	2,110	1,546	(a)	(a)	(a)	(a)
Sea-salt	18,754	16,092	22,797	(a)	(a)	(a)	(a)
Australia (h)—							
South Australia	164,885	171,067	158,214	155,074	173,087	168,450	190,702
Western Australia	(a)	(a)	(a)	(a)	7,000	6,000	(a)
Total*	6,500,000	6,400,000	6,370,000	6,600,000	8,000,000	7,500,000	8,700,000
FOREIGN COUNTRIES							
Austria—							
Rock-salt	—	83	545	4,278	1,724	708	997
Evaporated salt	91,930	52,079	77,752	80,958	80,052	74,569	89,454
France—							
Rock-salt	121,899	262,208	387,448	471,794	543,976	} 2,002,704	2,017,000
Salt in brine	415,796	370,024	1,103,103	1,642,419	1,905,749		
Sea-salt	404,023	505,919	469,220	460,028	439,487			730,989	595,000

* See page 276.

(a) Information not available.

(b) Used for purposes other than salt-making.

(c) Years ended June 30 of that stated.

(d) Including a small amount of other salt.

(e) Including salt in brine.

(f) Included under Foreign Countries.

(g) Included with India.

(h) Salt is also produced in other States but figures are not available. Total Australian production is estimated at 260,000 tons, 245,000 tons and 275,000 tons in 1948, 1949 and 1950 respectively.

PRODUCTION OF SALT (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Germany (d)	(a)	(a)	1,593,536	1,796,232	2,003,537	1,770,600	2,429,000
Greece—							
Sea-salt (b)	(a)	(a)	75,000	85,000	55,000	(a)	(a)
Italy—							
Rock-salt and brine-salt	31,998	150,836	440,450	711,719	715,600	801,557	(a)
Sea-salt	442,942	969,912	780,320	658,334	(a)	(a)	(a)
Netherlands (brine-salt) ..	126,658	57,625	191,630	247,454	251,534	326,507	406,054
Poland—							
Rock-salt and brine-salt	} (a)	(a)	{ 269,758	333,723	412,968	443,326	654,000
Salt in brine							
Portugal—							
Rock-salt	79	70	45	68	48	40	41
Sea-salt (exports)	3,371	7,646	81,663	24,675	10,492	16,636	(a)
Spain—							
Rock-salt	239,237	224,423	258,508	261,059	288,255	284,333	211,233
Sea-salt	441,966	553,570	502,064	560,350	685,598	538,248	838,000
Switzerland	83,351	81,352	90,635	106,055	107,106	(a)	(a)
Algeria—							
Brine-salt and sea-salt ..	45,832	49,181	65,519	80,759	71,884	95,369	75,054
Angola	37,058	48,769	60,683	38,170	58,902	40,634	39,834
Belgian Congo	1,684	875	629	756	(a)	800	541
Canary Islands (sea-salt) ..	14,634	16,044	13,443	6,846	13,000	5,200	5,976
Cape Verde Islands	17,248	7,761	14,149	9,100	13,417	18,996	(a)
Egypt	(b) 350,000	(b) 350,000	(b) 350,000	(b) 350,000	(b) 350,000	344,352	530,503
Eritrea (sea-salt)	10,781	26,629	40,320	45,000	60,000	79,040	53,070
Ethiopia (b)	10,000	10,000	10,000	10,000	10,000	10,000	10,000
French Somaliland	41,971	45,400	31,700	47,000	58,700	67,000	79,000
Morocco (French)—							
Rock-salt, etc.	5,024	6,092	8,345	9,864	10,602	} 33,531	59,052
Brine-salt	27,228	27,499	40,328	33,557	23,902		
Morocco (Spanish)—							
Sea-salt (b)	250	250	250	250	250	250	250
Mozambique—							
Rock-salt	} 5,630	5,723	{ 70	74	76	76	(a)
Sea-salt .. ..								(a)	6,919	9,936	9,865	10,755	(a)
Tunis (sea-salt)	51,651	60,322	91,925	112,979	103,578	96,535	92,616
Cuba (sea-salt)	45,491	51,508	55,885	50,416	54,465	(a)	(a)
Dominican Republic—							
Rock-salt	(a)	(a)	2,732	2,051	2,328	2,373	2,267
Sea-salt	11,100	14,900	15,497	14,682	12,872	8,012	12,398
Haiti (b)	8,000	(a)	(a)	(a)	(a)	(a)	(a)
Mexico (b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Netherlands West Indies ..	(c) 5,069	2,549	876	214	475	(a)	(a)
Nicaragua—							
Sea-salt	(b) 6,000	(b) 6,000	(b) 6,000	(b) 6,000	9,455	11,342	(a)
Panama (sea-salt)	20,248	4,796	15,664	8,722	3,320	4,278	9,826
Porto Rico (sea-salt) (b) ..	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Salvador	13,304	17,852	68,135	16,452	21,172	(a)	(a)
United States (sales)—							
Rock-salt	3,078,784	3,130,125	3,046,436	3,352,101	3,434,684	3,075,304	3,506,488
Salt in brine	7,434,207	7,773,063	7,563,107	8,236,878	8,347,361	7,895,994	8,368,977
Evaporated salt	3,520,197	2,841,580	2,901,301	2,820,284	2,863,753	2,932,465	2,972,579
Argentina—							
Rock-salt	2,202	3,221	(a)	(a)	(a)	(a)	(a)
Brine-salt	441,946	426,276	(a)	(a)	(a)	(a)	(a)
Bolivia	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Brazil (sea-salt)	446,437	423,368	599,577	553,685	768,993	792,000	860,000
Chile	45,664	47,324	61,738	58,472	52,905	38,905	46,676

(a) Information not available.
(c) Exports.

(b) Estimated.
(d) Western Germany only.

PRODUCTION OF SALT (Cont.)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Colombia—							
Rock-salt	100,577	89,196	91,000	89,126	93,027	100,376	105,229
Sea-salt	31,170	14,217	31,403	25,708	24,258	22,925	34,492
Costa Rica	6,100	6,000	8,000	6,153	6,500	(a)	(a)
Ecuador (sea-salt)	35,390	27,200	34,500	24,500	22,300	14,900	15,500
Guatemala—							
Sea-salt	12,443	(a)	(a)	(a)	(a)	(a)	(a)
Peru—							
Rock-salt	49,834	10,238	9,064	10,207	9,618	9,344	(a)
Sea-salt		35,404	37,101	43,300	47,430	42,476	(a)
Brine-salt		8,631	9,556	5,650	4,897	3,264	(a)
Venezuela (sea-salt)	47,038	56,552	89,125	35,229	34,972	70,790	55,547
Burma—							
Sea-salt	(h)	(h)	(h)	(h)	42,705	29,609	18,020
Brine-salt	(h)	(h)	(h)	(h)	2,140	1,582	(b) 3,000
China (c)	3,600,000	1,900,000	1,656,000	1,975,000	2,440,000	2,000,000	(a)
French Indo-China	145,800	99,388	(d) 14,502	40,900	63,100	111,786	74,526
Indonesia (g)	272,668	128,391	29,385	(a)	(a)	(a)	(a)
Iraq	11,606	13,982	9,362	12,435	13,120	9,025	11,673
Japan—							
Government-licensed plants (f)	347,571	181,385	197,967	(e) 113,097	(e) 287,491	(e) 389,500	(e) 413,000
Others (f)	(a)	18,633	143,759	130,460	47,012	(a)	(a)
Jordan (brine-salt)	(a)	(a)	(a)	(a)	100	(b) 5,000	(b) 10,000
Korea (southern)	(a)	(a)	(a)	(a)	(a)	185,830	(a)
Lebanon	(a)	(a)	(a)	(a)	(b) 5,000	(b) 2,500	(b) 6,500
Philippine Republic—							
Sea-salt	(a)	(a)	(a)	(a)	(a)	51,450	55,394
Portuguese India	(a)	(a)	(a)	20,000	(a)	(a)	(a)
Siam	106,423	40,739	135,427	(b) 150,000	(b) 200,000	(b) 150,000	(b) 200,000
Syria	21,439	1,064	15,193	20,401	20,000	20,809	20,000
Turkey—							
Rock-salt	262,125	(a)	19,896	26,552	27,742	17,637	20,009
Lake and spring salt			30,176	74,296	70,979	105,064	101,149
Sea-salt			152,973	171,622	164,005	188,647	179,263
TOTAL*	28,000,000	27,000,000	30,000,000	33,000,000	35,000,000	34,000,000	35,000,000
WORLD'S TOTAL*	34,000,000	33,000,000	36,000,000	39,500,000	43,000,000	41,500,000	43,700,000

* Salt is also produced in many countries for which statistics are not available, e.g., Gold Coast, Nigeria, Belgium, Bulgaria, Czechoslovakia, Roumania, U.S.S.R., Yugoslavia, Formosa and Korea; an allowance has been made for these and other countries where information is not yet available.

(a) Information not available.

(b) Estimated.

(c) U.S. Bureau of Mines.

(d) Cochin-China only.

(e) Calendar years.

(f) Years ended March 31 following that stated.

(g) Government production of brine-salt.

(h) Included under British Countries.

EXPORTS OF SALT

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Rock-salt	4,098	3,415	7,332	5,550	7,692	6,716	9,507
Other salt	132,972	135,579	170,315	142,413	194,817	209,118	250,988
Anglo-Egyptian Sudan ..	11,400	3,770	20,768	46,745	5,755	6,645	15,977
Gold Coast	1	1	1	1,579	403	1,214	—
Kenya	86	457	176	60	83	16	9
Southern Rhodesia ..	136	157	132	201	292	387	321
South-West Africa ..	(b)	(b)	(b)	(a)	—	578	3,657
Tanganyika	3,662	2,648	3,427	3,110	2,937	2,952	3,936
Uganda	1,495	1,455	1,823	1,556	1,309	1,489	2,131
Union of South Africa ..	256	2,626	15,119	1,601	17,819	20,031	12,329
Canada	2,841	4,745	5,236	10,010	5,026	3,100	3,660
British West Indies—							
Bahamas (c)	11,571	33,500	82,357	72,607	31,499	54,607	(a)
Leeward Islands ..	4,625	7,596	5,157	6,935	4,087	4,783	5,518
Turks and Caicos Islands	8,896	11,992	19,541	70,340	70,685	52,718	9,553
Aden	119,711	62,305	84,187	317,740	278,649	228,018	235,516
Ceylon	242	260	27	213	2	83	158
Hong Kong (including re-exports)	(a)	(a)	10,504	14,638	11,850	10,236	5,946
India (d)	33,475	38,975	32,696	7,635	8,590	270	7,838
Malaya (including re-exports)	(a)	(a)	18,236	51,297	39,124	10,726	8,354
Australia—							
Rock-salt	36	7	108	3	85	6	} 21,707
Refined salt (£ Australian) ..	(£3,093)	(£14,288)	(£8,023)	(£111,825)	(e) 543	10,311	
Other salt	16,970	24,718	14,574	10,969	22,771	14,048	
FOREIGN COUNTRIES							
Austria	994	1,281	6,705	7,604	5,597	3,379	6,428
Belgium-Luxemburg E.U.—							
Common salt	1	(a)	(a)	(a)	1	39	14
Refined salt	—	(a)	(a)	(a)	17	31	57
Denmark—							
Refined salt, etc. ..	1	11	54	240	71	417	178
France	444	30,635	128,670	183,614	295,342	190,394	108,341
Germany—							
Rock-salt, sea-salt, etc. ..	(f) 704,020	(a)	(a)	(a)	381,138	534,310	583,574
Italy—							
Rock-salt and sea-salt ..	(a)	(a)	(a)	302,033	534,310	567,300	121,379
Netherlands—							
Rock-salt and sea-salt ..	(a)	(a)	—	85	—	—	—
Refined salt and waste ..	(a)	(a)	65,288	129,539	150,963	180,371	255,799
Norway—							
Common salt	—	—	3,271	6	59	2,298	(a)
Refined salt	—	5	4	30	4	1	(a)

(a) Information not available.

(b) Exports of salt are not separately recorded but imports into the Union of South Africa from S.W. Africa were (long tons):—1944—13,505; 1945—92; 1946—122.

(c) Converted from bushels at the rate of 28 bushels = 1 long ton.

(d) Includes trade by land as recorded. Sea-borne trade only from 1947 inclusive.

(e) Valued £A. 3,821.

(f) January to July only. Figures for 1948 onwards refer to Western Germany.

EXPORTS OF SALT (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Poland	(a)	(a)	(a)	28,956	70,999	(a)	(a)
Portugal	3,371	7,646	81,663	24,675	10,492	16,636	(a)
Spain	73,728	192,991	327,412	339,195	360,177	263,985	(a)
Sweden	732	13,959	2,437	2,218	658	947	2,801
Algeria	453	1,828	10,022	15,629	43,003	42,891	22,234
Angola	20,131	22,110	17,173	21,732	(a)	16,471	18,370
Cape Verde Islands ..	12,045	(a)	(a)	(a)	(a)	(a)	(a)
Egypt—							
Common salt	195,971	251,373	222,519	613,263	354,584	437,083	(a)
French Somaliland ..	41,970	23,112	25,324	48,016	58,200	110,246	(a)
French West Africa ..	700	353	2,023	3,225	(a)	(a)	(a)
Madagascar	146	1,522	583	18	246	(a)	(a)
Mozambique	1,903	2,857	860	128	995	1,403	1,742
Morocco (French) ..	1,076	—	6,294	65	(a)	(a)	(a)
Morocco (Spanish) ..	93	347	800	398	(a)	(a)	(a)
Tunis (including re-exports)							
Rock-salt and sea-salt ..	4,406	65,062	14,909	60,436	175,797	152,609	(a)
Cuba	523	(a)	(a)	(a)	453	363	(a)
Mexico	—	1	—	1,969	10	(a)	(a)
Netherlands West Indies ..	2,435	2,549	876	213	475	—	(a)
United States	177,114	170,111	199,488	168,131	327,394	321,229	169,979
Argentina	109,606	38,551	34,404	(a)	(a)	(a)	(a)
Brazil	8,112	1,188	482	209	238	(a)	(a)
Chile	7,461	166	148	99	—	(a)	(a)
Ecuador	(a)	(a)	(a)	(a)	(a)	(a)	(a)
China—							
Refined salt	} (a)	244,301	24,048	9,842	(a)	(a)	(a)
Other salt			220,252	164,477	31,974	(a)	(a)
Formosa (c)	200,000	(a)	(a)	(a)	(a)	(a)	(a)
French Indo-China	(a)	(a)	(a)	—	22,699	39,640	(a)
Iran (including re-exports)(b)	(a)	(a)	1,255	1,035	(a)	(a)	(a)
Japan	(a)	(a)	(a)	3,248	(a)	(a)	(a)
Portuguese India	10,921	9,700	7,863	11,026	(a)	(a)	(a)
Siam (including re-exports)	5,213	2,373	(a)	(a)	(a)	(a)	(a)
Turkey	—	—	52,723	35,093	28,738	48,058	—

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) U.S. Bureau of Mines "Foreign Minerals Survey." Estimated imports into Japan from Formosa.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Rock-salt	—	923	—	—	1	—	} 23,572
Other salt	3	7	15,808	104,252	42,420	39,968	
Malta—							
Refined salt	(a)	(£2,068)	(£1,772)	(£1,189)	(£1,464)	(£2,007)	(£1,618)
Other salt	(a)	687	2	1	—	—	—
Anglo-Egyptian Sudan	—	286	259	217	270	194	283
Gambia	1,140	175	2	147	869	648	924
Gold Coast—							
Refined salt	8	14	15	36	20	26	38
Other salt	27	8	406	471	850	1,099	2,124
Kenya (c)	2,041	(b) 182	2,117	7,030	6,436	688	778
Mauritius	495	500	—	—	—	—	—
Nigeria	61,673	56,560	67,723	79,364	77,410	75,812	63,376
Northern Rhodesia	3,802	3,543	4,475	3,677	5,083	5,711	6,116
Nyasaland	2,228	4,698	5,552	2,735	3,233	5,202	4,474
Seychelles	525	187	—	86	312	157	(a)
Sierra Leone	3,034	2,968	3,868	2,988	4,160	6,159	2,875
Somaliland	2,317	1,320	1,310	(a)	(a)	(a)	(a)
South West Africa	188	372	488	986	536	442	(a)
Southern Rhodesia	13,803	10,270	4,853	11,044	12,494	15,191	13,377
Tanganyika	256	814	584	194	577	3,209	1,484
Uganda	(d)	(d)	(d)	(d)	(d)	5,585	4,753
Union of South Africa—							
Rock-salt	—	29	76	205	117	197	(a)
Common salt and refined salt	22,753	841	1,891	767	2,173	2,791	(a)
Zanzibar	2,874	665	3,078	822	2,298	1,220	(a)
Canada (total imports) (e)—							
Salt for use of fisheries	28,088	21,164	44,516	45,663	26,172	74,344	51,410
Refined salt	—	—	1,365	36	—	—	—
Other salt	103,414	96,843	157,959	150,622	139,611	136,994	161,303
Newfoundland (f)—							
Salt in bulk	40,221	56,960	60,819	60,328	59,608	(f)	(f)
Refined salt	591	737	731	848	682	(f)	(f)
British Honduras	351	298	453	457	403	323	387
British West Indies—							
Barbados	2,047	1,538	2,957	2,069	2,237	2,416	2,295
Bermuda	101	174	118	156	134	174	158
Dominica	359	301	247	342	398	212	(a)
Grenada	838	284	707	836	1,109	340	680
Jamaica—							
Rock-salt	—	(b) 1	16	116	20	18	45
Other salt	8,579	8,088	9,937	8,880	10,836	6,028	9,208
Leeward Islands	—	2	264	409	197	242	264
St. Lucia—							
Common salt	756	384	476	482	420	375	469
Refined salt	10	—	17	3	11	13	15
St. Vincent—							
Unrefined salt	480	660	360	537	310	(a)	(a)
Refined salt	75	60	(a)	113	18	(a)	(a)
Trinidad and Tobago—							
Rock-salt	660	885	147	606	207	545	732
Refined salt	3,858	1,750	2,598	4,752	3,739	4,365	4,489
British Guiana—							
Rock-salt	1,435	102	543	608	409	597	496
Refined salt, etc.	2,067	455	1,432	1,307	1,840	1,296	1,870

(a) Information not available.

(c) Including Uganda up to 1948 inclusive.

(e) Including Newfoundland from April 1, 1949.

(f) Years ended March 31 following that stated. Included with Canada from April 1, 1949.

(b) Excess of re-exports.

(d) Included with Kenya up to 1948 inclusive.

IMPORTS OF SALT (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Aden	2	—	1	5	7	8	7
Brunei	(a)	(a)	(a)	70	97	153	(a)
Burma	(a)	(a)	(b) 1,548	(a)	(a)	(a)	(a)
Ceylon—							
Refined salt	23	4	2	1	3	14	8
Other salt	22	12,011	15	10	24	21	30
Cyprus	—	1	15	6	44	25	17
Hong Kong (total imports)	(a)	(a)	25,249	55,086	49,412	76,371	45,072
India	441,801	278,093	85,505	306,349	345,576	248,865	146,875
Malaya (total imports)—							
Refined salt	(a)	(a)	{ 477	52	59	83	110
Other salt	(a)	(a)	{ 80,866	80,441	91,629	66,350	77,332
Palestine	120	—	814	(a)	(a)	(a)	(a)
Sarawak	(a)	(a)	(c) 2,617	2,413	3,359	3,413	3,356
Australia—							
Rock-salt	2,457	1,918	2,850	2,669	3,865	5,020	6,332
Refined salt	(£A2,556)	(£A5,818)	1,012	1,562	2,562	1,880	1,951
Other salt	5,058	979	26	115	220	1,830	3,420
Fiji	128	785	1,240	1,524	1,621	890	867
New Zealand	28,992	41,677	41,614	57,329	50,774	53,226	43,069
Solomon Islands (d) ..	—	1	2	6	8	5	7
Irish Republic							
Refined salt	3,006	2,764	3,489	3,346	3,148	3,748	2,815
Other salt	28,675	25,249	29,581	29,109	26,377	27,186	26,222
FOREIGN COUNTRIES							
Austria—							
Common salt	(a)	(a)	(a)	—	2,667	636	91
Belgium-Luxemburg E.U.—							
Common salt	78,654	(a)	(a)	(a)	382,398	295,409	310,443
Refined salt	97,880	(a)	(a)	(a)	68,606	70,012	96,271
Bulgaria—							
Rock-salt	19,015	5,229	8,893	(a)	(a)	(a)	(a)
Sea-salt	—	—	—	(a)	(a)	(a)	(a)
Czechoslovakia—							
Common salt	(a)	(a)	{ 113,358	141,848	(e) 201,510	(a)	(a)
Refined salt	(a)	(a)	{ 137,225	94,350	(e) 160,267	(a)	(a)
Denmark—							
Rock-salt	2,428	208	166	58	146	796	1,525
Refined salt	100,388	49,774	98,341	119,121	84,781	82,481	96,491
Finland (total imports)—							
Common salt	52,165	43,885	108,594	112,431	128,815	65,823	(a)
France	113	1,144	1,464	9,181	16,058	11,112	16,510
Germany—							
Rock-salt, sea-salt, etc.	(f) 43,184	(a)	(a)	(a)	141	255	16
Hungary	(a)	(a)	51,971	89,438	(a)	(a)	(a)
Iceland—							
Common salt	10,284	5,803	19,879	42,623	20,734	(a)	(a)
Refined salt	33	68	30	75	109	(a)	(a)
Netherlands—							
Rock-salt	(a)	(a)	21,694	37,099	58,802	30,537	57,101
Sea-salt, etc.	(a)	(a)	28,296	42,704	45,799	9,150	3,452
Refined salt and waste ..	(a)	(a)	1	(a)	(a)	(a)	(a)

(a) Information not available.

(b) February to September only.

(c) April 15 to December 31 only.

(d) Years ended March 31 following that stated.

(e) January to October only.

(f) January to July only.

IMPORTS OF SALT (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Norway—							
Common salt	126,522	123,162	199,335	231,580	234,160	209,449	217,897
Refined salt	24,119	10,130	15,504	14,968	20,240	19,703	28,598
Portugal	15,730	1	9	176	26	8	(a)
Sweden—							
Common salt	229,793	76,795	243,671	290,643	287,745	324,243	348,132
Switzerland	1,868	—	472	246	382	259	269
Algeria	10,723	5,482	3,089	2,486	1,391	519	127
Belgian Congo	28,622	21,152	31,846	25,050	22,995	31,141	29,115
Cameron (French)	10,194	6,526	4,851	10,059	10,173	6,047	(a)
Egypt—							
Common salt	71	213	197	135	271	216	(a)
Ethiopia (b)	34,138	45,306	42,752	45,000	42,000	49,595	48,663
French Equatorial Africa	8,373	9,673	5,027	5,318	7,003	10,695	5,909
French Togoland	4,474	3,385	3,493	7,154	957	2,905	4,023
French West Africa	970	(a)	1,299	929	3,095	5,985	(a)
Madagascar	2,344	(a)	519	4,201	9,032	2,452	621
Morocco (French)	1,660	7,583	7,409	3,702	(a)	(a)	(a)
Morocco (Spanish)	6,034	5,488	8,067	5,092	(a)	(a)	(a)
Mozambique	1,956	2,963	5,121	3,332	3,801	3,247	5,438
Portuguese Guinea	499	1,528	1,131	808	908	(a)	(a)
Réunion	494	778	969	(a)	1,037	1,347	(a)
S. Thomé and Príncipe	461	(a)	(a)	(a)	(a)	(a)	(a)
Costa Rica	19	104	191	(a)	189	125	(a)
Cuba (total imports)	5,597	5,213	(a)	(a)	6,526	8,270	(a)
French West Indies—							
Guadeloupe	1,758	1,796	1,518	(a)	(a)	(a)	(a)
Martinique	4,530	1,909	1,216	2,341	1,916	1,212	(a)
Guatemala	(a)	(a)	(a)	1,478	954	3,865	1,771
Mexico	10,042	4,418	6,053	5,133	3,629	(a)	(a)
Nicaragua (total imports)	785	152	370	251	(a)	(a)	(a)
St. Pierre and Miquelon	—	8,053	3,296	4,120	7,143	4,815	4,006
United States	4,954	4,065	3,797	1,704	5,019	5,633	7,026
Argentina—							
Rock-salt	197	—	217	} (a)	(a)	(a)	(a)
Sea-salt	—	—	—				
Refined salt	151	100	129				
Brazil (total imports)—							
Common salt	99,541	29,845	23,463	15,303	(a)	(a)	(a)
Refined salt	9,956	5,474	1,040	890	66	(a)	(a)
Chile	204	—	147	(a)	(a)	(a)	(a)
Colombia	(a)	(a)	291	(a)	(a)	(a)	(a)
French Guiana	242	294	364	(a)	(a)	(a)	(a)
Peru	236	69	209	(a)	(a)	(a)	(a)
Uruguay—							
Refined salt	(a)	} (a)	(a)	(a)	(a)	(a)	(a)
Rock-salt	15						
Sea-salt	50,486						
French Indo-China	(a)	(a)	3,622	9,507	9,505	1,217	(a)
Iran (c)—							
Common salt	(a)	(a)	1,535	2,261	(a)	(a)	(a)
Refined salt	(a)	(a)	33	13	(a)	(a)	(a)
Iraq	5	5	25	(a)	(a)	(a)	(a)
Japan	838,429	444,589	264,555	773,586	1,182,229	1,798,736	621,231
Korea	(a)	(a)	11,747	95,430	114,261	(a)	(a)
Syria and Lebanon	13,116	3,609	4,098	4,918	(a)	(a)	(a)
New Caledonia	424	(a)	907	201	424	523	(a)

(a) Information not available.

(b) Years ended September 10 of that stated.

(c) Total imports for years ended March 20 of year following that stated.

SILVER

PRODUCTION OF SILVER ORE

(In terms of metal)

(Fine troy ounces)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	34,660	27,517	23,285	23,522	15,942	13,996	18,153
Bechuanaland Protectorate	1,319	1,237	1,704	1,081	233	27	—
Gold Coast (b)	56,819	36,666	54,526	41,250	45,553	40,051	43,317
Kenya	11,500	16,659	5,493	3,859	3,184	2,279	2,586
Nigeria	1,079	1,106	666	2,130	4,269	484	304
Northern Rhodesia	—	2,269	(c) 634,392	(c) 73,277	(c) 145,865	(c) 134,920	(c) 173,304
Sierra Leone (b)	60	—	—	—	—	—	—
Southern Rhodesia	103,776	95,975	95,168	91,901	81,404	84,495	85,549
South West Africa	(a)	(a)	(a)	(f) 390,000	(d) 400,000	659,000	887,000
Swaziland	—	—	—	211	124	120	60
Tanganyika (refined)	17,261	21,689	21,682	21,131	25,340	26,886	(e) 31,014
Uganda (b)	306	275	205	87	56	42	(a)
Union of South Africa	1,213,051	1,243,426	1,207,373	1,147,694	1,170,951	1,154,454	1,133,645
Canada	13,627,109	12,942,906	12,544,100	12,504,018	16,109,982	} 17,641,493	22,416,150
Newfoundland	1,163,206	1,076,129	1,107,827	956,052	882,263		
Cyprus	4,882	—	—	87	—	—	—
India	14,239	14,154	9,821	12,422	12,797	11,275	15,676
Australia	9,365,726	8,076,740	9,045,280	9,527,140	10,057,519	9,849,213	10,677,456
Fiji	9,355	29,398	26,351	33,238	29,187	29,755	37,740
New Zealand	328,281	244,544	224,341	221,984	232,563	232,599	199,701
Total	26,000,000	23,830,000	25,002,000	25,051,000	29,217,000	29,881,000	35,720,000
FOREIGN COUNTRIES							
Czechoslovakia	(g) 675,000	(g) 300,000	(g) 600,000	(g) 1,400,000	(g) 1,600,000	(a)	(a)
Finland	41,185	33,115	140,209	188,821	167,602	168,026	115,936
France	240,134	350,025	535,214	474,320	494,414	570,901	—
Germany (Federal)	(a)	(a)	(a)	(a)	867,459	1,601,782	1,637,116
Italy	15,700	29,700	311,900	512,300	596,000	635,395	(a)
Norway	169,174	132,374	201,926	226,679	216,667	169,981	(a)
Portugal	(a)	(a)	(a)	7,395	35,366	31,958	68,288
Roumania	71,000	190,000	(a)	481,200	(a)	(a)	(a)
Spain	778,000	(a)	668,993	638,192	371,547	514,283	(a)
Sweden	1,292,299	1,135,178	1,294,935	1,088,656	1,137,943	1,140,708	1,291,663
Algeria	48,612	14,661	39,996	48,226	29,740	(a)	(a)
Belgian Congo	2,733,000	4,147,000	5,048,000	4,051,000	3,805,619	4,549,300	4,459,300
Morocco (French)	65,427	107,609	117,157	375,038	386,000	—	482
Mozambique	836	997	804	707	616	244	(a)
Tunis	35,205	34,369	60,122	53,852	16,011	68,320	71,825
Costa Rica	3,500	1,400	600	1,500	3,000	700	(a)

(a) Information not available.

(b) Exports.

(c) Recovered from copper-refinery slimes. The 1946 figure includes an accumulation of the war years.

(d) Estimated.

(e) In addition silver in lead concentrates exported amounted to 20,585 troy ounces.

(f) Estimated content of ores sorted ex dumps.

(g) U.S. Bureau of Mines estimate.

PRODUCTION OF SILVER ORE (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Cuba	(b) 42,985	(b) 107,195	127,222	146,932	185,216	(b) 157,411	(a)
Honduras	3,115,000	3,003,495	2,682,910	2,403,500	3,172,027	3,378,000	3,514,976
Mexico	73,502,803	61,097,728	43,263,132	58,843,864	57,519,704	49,454,883	49,141,445
Nicaragua	(c) 248,529	236,000	257,000	215,293	214,628	206,604	(a)
Salvador	286,466	221,144	291,689	285,893	216,342	280,259	462,840
United States	34,473,540	29,024,197	22,914,604	35,823,563	38,096,031	34,674,952	42,419,129
Argentina (f)	1,695,000	2,760,000	3,090,000	2,435,400	1,201,900	1,249,421	(a)
Bolivia (c)	6,798,000	6,683,561	6,106,165	6,265,505	7,562,208	6,637,296	6,560,000
Brazil	28,722	28,383	21,965	20,291	23,084	21,041	21,155
Chile	996,548	825,438	557,333	763,130	861,962	799,674	746,758
Colombia	197,323	168,699	152,651	110,830	108,716	106,674	116,104
Ecuador	376,565	255,965	254,271	134,100	205,800	276,900	273,200
Peru	15,832,567	12,997,845	12,334,249	10,782,995	9,288,703	10,609,649	13,469,886
Burma	(a)	(a)	(a)	(a)	(d) 700,000	75,200	(a)
Japan	5,029,341	2,069,479	1,244,620	1,792,082	2,185,608	2,736,382	3,680,553
Korea	2,578,000	(a)	(a)	(e) 66,956	(e) 38,504	(e) 18,937	(a)
Philippine Republic	(a)	17,208	913	44,816	150,760	218,433	216,034
Saudi Arabia	3,514	24,144	31,307	49,805	67,819	81,295	124,287
Turkey	(a)	(a)	(a)	(a)	(a)	580,000	(a)
Total*	160,000,000	130,000,000	107,000,000	140,000,000	143,000,000	131,000,000	135,000,000
WORLD'S TOTAL*	186,000,000	154,000,000	132,000,000	165,000,000	172,000,000	161,000,000	171,000,000

* Figures for certain large producers such as the U.S.S.R. and Yugoslavia are not available; an allowance has been made for these and other countries where information is not yet available.

- (a) Information not available.
- (b) Imports into the United States.
- (c) Exports.
- (d) Year ended June 30 following that stated.
- (e) South Korea only.
- (f) U.S. Bureau of Mines.

EXPORTS OF SILVER*

(In terms of metal)

(Fine troy ounces)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Refined bullion	3,192	5,733	19,320,000	30,239,428	11,176,381	18,814,000	21,582,042
Malta—							
Scrap	(a)	(a)	3,400	—	1,920	(a)	(a)
Anglo-Egyptian Sudan—							
Bullion	—	—	—	—	—	(a)	(a)
Gold Coast—							
Bullion	56,800	36,700	54,500	41,250	45,553	40,051	43,317
Northern Rhodesia—							
Bullion	—	10	40	—	(a)	(a)	(a)
Sierra Leone—							
Bullion	60	—	—	—	—	—	—
Southern Rhodesia—							
Concentrates	—	—	—	—	—	—	—
Bullion	100,600	96,200	95,600	90,400	81,000	81,308	84,227
Tanganyika—							
Bullion	17,120	21,594	21,179	20,854	25,010	27,631	(a)
Uganda—							
Bullion	306	275	205	87	56	42	(a)
Union of South Africa—							
Bullion	—	200	409,000	222	725,000	1,102,479	50,977
Zanzibar—							
Bullion	—	—	700	2,100	—	—	—
British West Indies—							
Trinidad and Tobago—							
Bullion	—	—	129	—	—	—	—
Canada—							
Ore, concentrates, etc. ..	2,390,000	2,066,000	1,658,000	2,679,000	3,221,000	3,862,000	3,342,600
Bullion	3,577,000	2,587,000	2,317,000	7,277,000	10,662,079	5,997,000	8,139,600
Burma—							
Bullion	(a)	(a)	(d) 78,257	(a)	(a)	(a)	(a)
Cyprus—							
Ore, etc.	7,600	—	—	—	—	—	—
Hong Kong—							
Bullion	(a)	(a)	6,935,000	10,002,000	4,366,400	(a)	1,257,000
India—							
Bullion	(c) —	(c) 3,400	(c) 20,800	(c) —	(c) 210	(a)	—
Malaya—							
Bullion	(a)	(a)	80,000	36,700	98,700	(a)	354,267
Australia—							
Ores, concentrates and							
matte	(b) 1,286,000	1,143,000	457,649	1,789,983	4,484,079	(a)	(a)
Bullion	(b) —	19,000	228,149	2,896,826	5,385,887	4,555,738	7,488,141
Fiji—							
Bullion	10,800	25,700	16,700	34,933	40,222	32,481	29,065
New Zealand—							
Scrap, sweepings, etc.	300	1,000	2,200	8,000	1,700	(a)	10,000
Bullion etc	202,000	97,500	69,300	101,500	145,400	(a)	93,500
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bullion and scrap	} (a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn							
Czechoslovakia—							
Bullion	(a)	(a)	(a)	290,000	(a)	(a)	(a)

* Excluding silver coin, but including silver shipped for minting.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Sea-borne trade only.

(d) February to September only.

EXPORTS OF SILVER (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Denmark—							
Bullion	2,600	—	52,000	22,500	64,000	61,000	56,000
Beaten, rolled or drawn	92,000	37,000	40,000	93,000	79,800	1,453,000	79,000
France—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn	—	13,500	250,000	100,000	260,000	135,000	197,000
Italy—							
Bullion, etc. .. .	(a)	(a)	(c) 16,000	(c)1,123,000	(a)	(a)	(a)
Netherlands—							
Bullion and scrap ..	(a)	(a)	420,000	459,000	360,000	(a)	387,000
Norway—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sweden—							
Bullion	100,000	200,000	300,000	250,000	110,000	135,000	250,000
Switzerland—							
Bullion	22,000	1,000	8,000	130,000	530,000	560,000	551,000
Honduras (b)—							
Bullion	3,200,000	(a)	(a)	(a)	(a)	(a)	(a)
Mexico—							
Bullion, etc. .. .	18,013,000	20,730,000	36,300,000	44,000,000	42,000,000	(a)	(a)
Nicaragua—							
Concentrates .. .	249,000	226,000	235,000	(a)	(a)	(a)	(a)
Salvador—							
Bullion	306,000	(a)	(a)	(a)	(a)	(a)	(a)
United States—							
Ore and base bullion ..	—	—	10,070	}40,000,000	(a)	(a)	(a)
Refined bullion .. .	137,300,000	98,517,009	39,793,263				
Argentina—							
Bullion	200,000	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia—							
Ores, etc. .. .	6,798,000	6,684,000	6,106,000	6,266,000	7,562,000	6,655,000	(a)
Chile—							
Ore	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Peru—							
Ores, concentrates, etc. .	3,034,000	2,025,000	1,000,000	2,680,000	1,347,000	(a)	4,500,000
Bullion	8,349,000	6,070,000	6,006,000	5,000,000	2,857,000	(a)	7,200,000
China—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Years ended July 31 of year stated.

(c) Gross weight.

IMPORTS OF SILVER*
(In terms of metal)
(Fine troy ounces)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ores	847,000	259,000	542,000	2,486,000	1,786,000	(a)	(a)
Unrefined bullion	53,000	50	838,000	1,028,000	870,917	(a)	2,601,662
Refined bullion	36,140,000	28,873,000	32,675,000	33,711,000	7,617,058	(a)	7,287,943
Malta—							
Bullion	(a)	200	6,600	9,292	8,189	2,496	594
Anglo-Egyptian Sudan—							
Bullion	—	—	—	6,300	—	(a)	(a)
Gold Coast—							
Bullion	—	—	2	2,440	1,437	31,528	28,870
Kenya and Uganda—							
Bullion	—	—	—	180	841	1,137	(a)
Nigeria—							
Bullion	—	—	10,388	17,901	10,538	16,816	9,041
Sierra Leone—							
Bullion	—	—	195	186	—	(a)	(a)
Union of South Africa—							
Bullion	153,000	148,000	130,000	289,696	134,296	53,943	(a)
Zanzibar—							
Bullion	—	—	200	2,100	—	1,305	(a)
Canada—							
Bullion	—	1,800	1,840,000	71,500	69,960	1,334,000	33,600
British Guiana—							
Bullion	3,400	—	760	230	(a)	(a)	(a)
British West Indies—							
Trinidad and Tobago—							
Bullion	—	—	2,000	2,715	158	—	—
Ceylon—							
Bullion	11,000	9,000	23,000	26,000	124,000	34,000	23,000
Cyprus—							
Bullion	—	6,000	1,200	19,300	5,800	7,364	2,798
Hong Kong—							
Bullion	(a)	(a)	12,000	1,200	147,000	(a)	1,055,000
India (b)—							
Bullion	d82,205,000	62,974,702	46,945,674	d 39,956,850	(d) 4,234,531	(a)	(d) 84,000
Malaya—							
Bullion	(a)	(a)	130,000	30,600	—	(a)	1,838
Palestine—							
Bullion	—	62,300	19,300	(a)	(a)	(a)	(a)
Australia—							
Bullion	(c) 7,000	6,000	19,000	44,000	40,327	30,081	74,688
Fiji—							
Bullion	(a)	(a)	2,800	530	122	125	119
New Zealand—							
Bullion	900	11,100	3,000	2,771	3,664	(a)	(a)
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Bullion and scrap	} (a)	(a)	(a)	1,590,000	(a)	(a)	(a)
Beaten, rolled or drawn							
Bulgaria—							
Bullion, etc.	9,500	(a)	(a)	(a)	(a)	(a)	(a)

* Excluding silver coin, but including silver shipped for minting.
(a) Information not available.
(b) Includes trade by land as recorded.
(c) Years ended June 30 of that stated.
(d) Sea-borne trade only.

IMPORTS OF SILVER (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Czechoslovakia—							
Bullion and scrap ..	(a)	(a)	—	60,000	—	(a)	(a)
Denmark—							
Bullion	51,000	64,000	2,155,000	749,000	809,000	1,189,000	1,260,000
Beaten, rolled or drawn	51,500	38,000	1,200,000	494,000	379,000	577,000	673,000
Finland—							
Bullion, etc.	24,000	11,000	15,000	14,000	15,000	(a)	(a)
France—							
Bullion	(a)	(a)	(a)	150,000	(a)	(a)	(a)
Beaten, rolled or drawn	600	6,000	10,000	37,000	54,000	64,000	153,000
Italy—							
Bullion, etc. (b)	—	—	12,900	1,122,000	(a)	(a)	(a)
Netherlands—							
Bullion and scrap ..	(a)	(a)	504,000	629,000	915,000	(a)	536,000
Norway—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Beaten, rolled or drawn	20	20	568,000	804,000	507,000	600,000	700,000
Sweden—							
Bullion	1,400,000	900,000	4,000,000	1,500,000	2,100,000	2,300,000	3,800,000
Switzerland—							
Bullion	1,500,000	3,000,000	3,000,000	1,500,000	836,000	750,000	1,030,000
Algeria—							
Bullion, etc.	400	8,600	6,200	13,400	3,000	57,000	(a)
Egypt—							
Bullion and scrap ..	354,000	510,000	280,000	—	366,000	880,000	(a)
Tunis—							
Beaten, rolled or drawn	—	—	—	—	100	(a)	(a)
United States—							
Ore and base bullion ..	37,700,000	33,050,441	28,738,365	} 91000,000	(a)	(a)	(a)
Refined bullion	13,700,000	17,560,165	32,954,607				
Brazil—							
Bullion	435,000	1,344,000	1,360,000	38,000	(a)	(a)	(a)
Colombia—							
Bullion	610,000	(a)	1,390,000	(a)	(a)	(a)	(a)
Iran (c)—							
Bullion	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Syria and Lebanon—							
Bullion	400,000	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—							
Bullion, etc.	300	—	60	1,500	2,700,000	(a)	(a)

(a) Information not available.

(b) Gross weight.

(c) Years ended March 20 of year following.

STRONTIUM MINERALS
PRODUCTION OF STRONTIUM MINERALS
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Celestite	—	—	—	4,824	(a)	(a)	(a)
FOREIGN COUNTRIES							
France—							
Celestite	(a)	(a)	(a)	(a)	276	(a)	(a)
Spain—							
Strontianite	9,917	—	—	—	—	(a)	(a)
Tunis—							
Celestite	}	59	{	44	15	—	—
Strontianite				68	103	—	148
Mexico (c)—							
Celestite	2,381	2,051	1,614	3,440	869	(d) 1,035	(d) 1,764
United States (b)—							
Celestite	2,683	2,846	217	—	—	—	—

Strontianite is also produced in Germany.
(a) Information not available.
(b) Shipments.
(c) Exports.
(d) Imports into the United States from Mexico.

EXPORTS OF STRONTIUM MINERALS, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Celestite (d)	—	—	2,259	3,879	5,395	4,378	5,942
FOREIGN COUNTRIES							
France—							
Strontium compounds ..	14	3	13	9	(a)	(a)	(a)
Germany (b)—							
Strontianite and witherite	(c) 62	(a)	(a)	(a)	15	20	18
Strontium compounds ..	(c) 3	(a)	(a)	(a)	—	—	11
Spain—							
Strontianite (d)	2,341	602	—	5,211	13,048	2,913	—
Tunis—							
Strontium minerals ..	(a)	(a)	(a)	(a)	103	(a)	(a)
Mexico—							
Celestite	2,381	2,051	1,614	3,440	869	(d) 1,035	(d) 1,764
United States—							
Strontium nitrate ..	248	199	—	(a)	(a)	(a)	(a)
Other compounds ..	31	13	—	(a)	(a)	(a)	(a)

(a) Information not available.
(b) Celestite recorded with barytes.
(c) January to July only. Figures for 1948 onwards refer to Western Germany.
(d) Imports into the United States from the country stated.

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
France—							
Celestite	—	—	15	10	(a)	(a)	(a)
Strontium compounds ..	6	—	13	11	(a)	(a)	(a)
Mexico—							
Strontium carbonate ..	—	43	—	(a)	(a)	(a)	(a)
United States—							
Strontianite and celestite	5,172	3,296	4,024	12,604	19,438	8,379	7,706
Strontium compounds ..	—	—	—	13	1	20	16
Chile—							
Strontium compounds ..	(4 <i>cut.</i>)	(9 <i>cut.</i>)	(12 <i>cut.</i>)	(a)	(a)	(a)	(a)
Turkey—							
Strontium compounds ..	1	1	—	1	10	1	—

(a) Information not available.

SULPHUR
PRODUCTION OF SULPHUR*
 (Long tons)

Producing Country and Description	Estimated Sulphur Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
United Kingdom—														
Spent oxide (b) ..	203,100	218,100	217,700	223,000	238,300	218,300	244,000	97,500	104,700	104,500	107,000	114,400	104,800	117,100
Canada—														
Smelter gas ..	(a)	(a)	(a)	(a)	(a)	(a)	—	112,781	124,921	123,422	124,236	127,087	128,830	134,581
India—														
Sulphur rock ..	12,245	—	—	—	—	—	—	(a)	—	—	—	—	—	—
Australia—														
Sulphur recovered from zinc concentrates ..	(a)	(a)	(a)	(a)	(a)	(a)	—	33,700	56,000	63,000	74,500	81,690	100,009	107,900
Irish Republic														
Spent oxide (c) ..	1,038	(£1,491)	(£1,513)	(£557)	(a)	(a)	(a)	500	(a)	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES														
France—														
Sulphur rock ..	(d)12,449	(d)31,775	(d)11,756	105,079	139,122	115,784	152,000	1,021	2,672	2,083	8,515	13,912	9,587	15,000
Greece—														
Sulphur rock ..	5,300	—	1,835	—	(a)	(a)	—	(a)	(a)	(a)	—	(a)	(a)	(a)
Italy—														
Sulphur rock ..	476,701	625,742	1,036,587	1,073,142	1,342,311	1,376,840	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Crude sulphur (e)—														
Fused ..	(a)	(a)	140,764	146,088	170,904	185,566	209,766	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ground ..	(a)	(a)	12,592	18,716	15,176	19,213	15,778	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Norway—														
Sulphur recovered from pyrites ..	65,615	21,428	70,751	81,121	77,985	79,901	(a)	65,582	21,417	70,696	81,040	77,907	79,892	(a)
Poland—														
Sulphur ..	(a)	(a)	6,432	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Portugal—														
Sulphur recovered from pyrites ..	11,536	12,756	12,403	7,522	9,671	10,706	(a)	11,479	12,692	12,242	7,424	9,545	10,566	(a)

* See also Pyrites (page 270).

(c) Consumed by the sulphuric acid industry.

a) Information not available.
 (d) Sales of concentrates.

(b) Estimated.
 (e) Derived from sulphur rock above.

PRODUCTION OF SULPHUR (Cont.)

Producing Country and Description	Estimated Sulphur Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)														
Spain—														
Sulphur rock	46,515	35,821	29,396	26,302	18,494	37,679	56,490	9,500	(a)	(a)	(a)	(a)	(a)	(a)
Refined sulphur (c) .. .	37,800	21,950	37,521	23,204	33,648	(a)	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sweden—														
Sulphur	16,502	24,291	21,395	13,982	12,138	11,769	14,354	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Egypt—														
Sulphur	893	285	—	—	—	—	—	830	(a)	(a)	(a)	(a)	(a)	(a)
United States—														
Crude sulphur	3,218,158	3,753,188	3,859,642	4,441,214	4,869,210	4,745,014	5,192,184	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Smelter gas (b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	284,000	275,000	234,000	237,000	187,000	167,000	216,000
By-product sulphur (c) ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)	19,096	25,184	34,990	43,427	44,369	56,781	142,475
Hydrogen sulphide (c) .. .	(a)	(a)	(a)	(a)	(a)	(a)	(a)	21,964	19,308	18,366	20,631	25,792	37,935	39,889
Argentina—														
Refined sulphur	11,099	11,488	10,000	10,871	8,338	10,048	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)—														
Refined sulphur	6,049	607	464	2,251	2,685	4,329	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Ecuador—														
Sulphur	13	(a)	(a)	23	43	16	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Chile—														
Refined sulphur	25,171	20,431	30,672	29,617	(a)	(a)	(a)	25,045	20,411	30,641	29,587	13,124	7,559	22,065
Colombia—														
Sulphur	—	—	—	—	—	—	1,461	—	—	—	—	—	—	(a)
Peru—														
Sulphur	1,412	1,197	363	778	911	248	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
China—														
Sulphur	2,229	2,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Iran—														
Sulphur (d)	600	600	600	600	600	1,500	1,500	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Japan—														
Refined sulphur	75,339	37,333	21,046	28,735	40,120	61,493	90,900	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—														
Refined sulphur	3,348	4,088	2,970	2,620	2,556	2,995	6,502	3,314	4,047	2,940	2,594	2,530	2,992	6,495

Sulphur is also produced in U.S.S.R., Mexico, Formosa and Manchuria.
 (b) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, chiefly used in acid making.
 (c) Produced in treatment of industrial gases.
 (d) Estimated.

(a) Information not available.
 (b) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, chiefly used in acid making.
 (c) Produced in treatment of industrial gases.
 (d) Estimated.

EXPORTS OF SULPHUR

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	87	678	2,553	4,383	3,893	2,617	6,057
Union of South Africa ..	52	165	281	(a)	(a)	(a)	(a)
Hong Kong (re-exports)	(a)	(a)	419	778	1,300	2,648	5,065
Malaya (including re-exports)	(a)	(a)	278	54	32	85	54
Palestine	2	—	—	778	(a)	(a)	(a)
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	376	(a)	(a)	(a)	1,668	1,847	2,740
France—							
Rock	—	4,876	863	16	2,025	1,664	1,405
Crude	—	1,738	1,772	1,230	1,733	1,764	916
Refined lump	—	2,145	7,995	4,767	9,243	12,789	10,000
Flowers of sulphur ..	—	—	857	8,023	1,073	317	57
Precipitated sulphur ..	—	—	549	1,737	700	321	6
Germany—							
Sulphur, etc.	(b) 15,282	(a)	(a)	(a)	19	30	7,127
Italy	(c) 50,000	(a)	(a)	21,481	81,705	242,528	235,935
Norway	58,510	18,623	60,761	71,223	53,385	61,356	74,957
Portugal	356	385	199	8	40	208	(a)
Spain—							
Flowers of sulphur, etc.	1,488	2,564	2,020	1,982	183	2,301	1,331
Sweden	—	2,492	291	180	128	29	112
Algeria—							
Rock	11,505	—	4,557	—	—	—	—
Refined and flowers of sulphur	352	116	57	—	—	1	1
Mexico	986	1,234	3,033	1,154	1,691	(a)	(a)
United States—							
Crude	653,686	918,691	1,189,072	1,299,060	1,262,913	1,443,540	1,440,996
Refined and flowers of sulphur	21,546	23,964	56,748	50,477	32,630	30,051	37,526
Argentina	—	—	—	(a)	(a)	(a)	(a)
Bolivia	6,049	607	464	2,251	2,685	(a)	(a)
Chile	6,589	10,706	4,646	251	(a)	—	(a)
Peru	610	541	369	787	973	(a)	(a)
Japan	7,140	2,094	2,437	1,962	650	(a)	542

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) Estimated.

IMPORTS OF SULPHUR
(*Less Re-exports*)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	197,231	198,154	246,346	304,701	347,735	392,012	438,551
Malta—							
Flowers of sulphur ..	(a)	—	(£5,223)	(£2,511)	(£3,902)	(£1,857)	(£6,259)
Kenya (b)	(a)	(a)	(a)	(a)	719	129	526
Mauritius	550	—	40	409	(a)	5	32
Northern Rhodesia ..	145	3	28	167	193	2	2
South West Africa ..	34	89	166	455	751	46	(a)
Southern Rhodesia ..	5	(a)	5	13	17	15	17
Uganda	(c)	(c)	(c)	(c)	(c)	214	450
Union of South Africa ..	33,086	33,728	29,438	36,397	44,892	61,438	72,425
British Guiana	20	2	2	1	8	1	7
Canada (d)	210,674	222,184	244,198	322,665	316,627	250,497	348,511
Newfoundland (e) .. .	10,047	11,072	5,379	11,444	13,041	(c)	(e)
Ceylon	1,041	612	884	951	639	380	71
Cyprus	152	501	423	799	936	1,222	118
Hong Kong (total imports)	(a)	(a)	829	1,291	2,185	3,003	10,026
India (total imports) ..	21,712	10,728	37,909	37,520	37,224	39,426	56,488
Malaya (total imports) ..	(a)	(a)	235	257	61	225	529
Palestine	4,407	2,083	1,167	(a)	(h)	(h)	(h)
Australia	38,182	67,074	72,939	110,634	144,084	144,037	191,790
New Zealand	65,800	51,872	43,632	79,006	54,393	64,846	62,499
Irish Republic	199	131	164	229	148	232	284
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	7,788	2,559	17,829	30,713
Belgium-Luxemburg E.U.	1,951	(a)	(a)	(a)	85,241	87,241	62,444
Bulgaria	17	112	647	(a)	(a)	(a)	(a)
Czechoslovakia—							
Crude and ground ..	(a)	(a)	12,731	7,004	(f) 16,818	(a)	(a)
Flowers of sulphur ..	(a)	(a)	10	188	(f) 91	(a)	(a)
Denmark	998	88	1,014	877	1,625	802	1,182
Finland (total imports) ..	7,554	2,992	20,635	16,111	20,691	19,264	(a)
France—							
Rock	(a)	—	31,995	38,472	280	1	11
Crude	6,188	123,549	155,617	136,823	115,676	162,460	139,715
Refined lump	877	2,441	445	398	—	9	—
Flowers of sulphur ..	—	89	1	85	—	200	21
Precipitated	118	8	—	4	8	9	9
Germany—							
Sulphur, etc.	(g) 43,195	(a)	(a)	(a)	12,306	24,196	30,457
Greece	(a)	6,193	3,412	1,732	10,478	2,766	(a)
Iceland	—	1	1	1	2	(a)	(a)
Netherlands	(a)	(a)	1,665	5,688	4,993	4,078	2,653
Norway	82	47	60	43	47	71	(a)
Portugal—							
Crude	2,500	4,871	1	300	700	200	(a)
Flowers of sulphur ..	6	12	32	153	113	64	(a)
Other sulphur	—	—	4	15	21	20	(a)
Spain—							
Crude	—	9,801	5,021	20,692	1,968	2,399	11,522
Flowers of sulphur ..	—	—	57	44	79	3,536	30
Sweden	8,551	9,414	49,654	54,458	54,795	49,919	52,178

(a) Information not available.

(b) Including Uganda up to 1948 inclusive.

(c) Included with Kenya.

(d) Including Newfoundland from April 1, 1949.

(e) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(f) January to October only.

(g) January to July only. Figures for 1948 onwards refer to Western Germany.

(h) See Israel under Foreign Countries.

IMPORTS OF SULPHUR (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Switzerland—							
Crude and ground	1,010	15,033	18,280	23,780	44,136	8,685	27,579
Flowers of sulphur	—	4	259	190	130	177	270
Algeria—							
Rock	—	28	98	—	98	2	(a)
Crude	279	19,509	24,793	14,584	9,743	19,146	18,147
Refined	120	1,902	8,932	3,208	7,096	7,085	3,252
Flowers of sulphur	—	—	7	5,212	1,027	251	(a)
Precipitated	—	6	1,433	1,625	637	48	(a)
Angola	20	50	50	(a)	(a)	(a)	(a)
Belgian Congo	—	93	(a)	(a)	(a)	(a)	(a)
Egypt	2,425	2,746	2,337	2,725	3,995	4,736	(a)
Madagascar	59	226	15	72	75	(a)	(a)
Morocco (French)—							
Crude	29	149	221	220	(a)	(a)	(a)
Refined	603	242	1,871	1,082	(a)	(a)	(a)
Morocco (Spanish)	45	105	50	55	(a)	(a)	(a)
Mozambique	443	639	344	419	302	278	612
Tunis—							
Crude	8,563	6,574	15,151	3,173	8,225	8,862	(a)
Refined and flowers of sulphur	8	—	560	209	5	214	(a)
Costa Rica	61	44	6	(a)	53	(a)	(a)
Cuba (total imports)	611	1,301	(a)	(a)	3,659	5,679	(a)
Guatemala	(a)	(a)	(a)	(a)	121	113	124
Mexico	3,923	4,071	3,229	3,008	4,718	7,045	11,227
United States	32	33	35	15	38	32	25
Argentina—							
Crude	26,482	30,114	23,561	(a)	(a)	(a)	(a)
Refined and flowers of sulphur	14	444	232	(a)	(a)	(a)	(a)
Brazil (total imports)	41,478	19,070	26,868	41,944	31,353	(a)	(a)
Chile	250	1	3	(a)	(a)	(a)	(a)
Colombia	489	(a)	1,277	(a)	(a)	(a)	(a)
Peru	249	341	472	(a)	(a)	(a)	(a)
Uruguay	3,325	(a)	(a)	(a)	(a)	(a)	(a)
China	(a)	(a)	2,530	3,112	(a)	(a)	(a)
Iran (b)	(a)	(a)	1,037	39	(a)	(a)	(a)
Israel	(c)	(c)	(c)	(c)	(c)	3,608	2,138
Syria and Lebanon	299	546	473	626	(a)	(a)	(a)
Turkey—							
Refined and flowers of sulphur	399	994	3,741	6,579	2	2,247	130

(a) Information not available.

(b) Total imports for years ended March 20 of year following that stated.

(c) See "Palestine" under British Countries.

TALC
PRODUCTION OF TALC
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	2,784	2,136	3,383	3,326	4,000	3,000	(a)
Kenya (b)	(a)	66	(a)	20	10	83	10
Union of South Africa	2,830	1,916	3,622	2,655	4,820	5,301	3,915
Canada (shipments)	29,104	24,186	26,208	23,847	25,696	} 24,038	} 29,111
Newfoundland (c)	220	700	650	216	—		
India	21,392	22,511	23,472	23,240	18,096	21,195	(a)
Pakistan	(a)	(a)	(a)	(a)	(a)	58	(a)
Australia	5,978	4,790	5,745	5,835	6,101	8,579	9,695
New Zealand	25	—	—	—	—	—	—
FOREIGN COUNTRIES							
Austria	44,512	3,526	21,094	24,103	46,760	51,320	52,859
France	26,300	40,008	62,349	68,683	90,070	98,475	94,000
Germany	(a)	(a)	(a)	(a)	(a)	(f) 8,707	(f) 13,104
Greece	—	—	500	200	1,033	1,673	2,500
Italy	37,419	39,231	35,782	47,613	69,031	59,259	65,683
Norway	(d) 21,218	(d) 15,277	41,648	53,785	56,322	53,447	(a) 2
Portugal	—	—	—	—	21	3	—
Spain	7,252	15,330	19,227	20,505	18,332	20,551	(a)
Sweden	5,425	9,212	13,788	10,541	11,518	11,115	(a)
Egypt	4,197	3,807	4,684	4,557	5,434	5,485	3,675
Madagascar	1	—	—	—	—	—	—
United States—							
Talc	313,372	300,656	323,919	364,289	375,587	328,950	446,321
Pyrophyllite	60,046	69,389	87,290	96,830	96,326	81,179	104,286
Argentina	3,367	2,639	3,701	(a)	(a)	(a)	(a)
Brazil	4,888	2,665	4,117	9,350	10,573	17,501	(a)
Chile	920	469	(a)	(a)	257	108	140
Uruguay	2,221	(a)	1,789	2,633	2,937	650	670
French Indo-China	520	—	—	—	—	—	—
Japan—							
Talc	(a)	(a)	(a)	12,791	13,677	12,385	10,982
Pyrophyllite	301,720	196,499	109,800	160,552	220,919	245,609	265,901
Korea (c)	40,500	(d) 11,960	(a)	(a)	(a)	(e) 307	(a)

Talc is also produced in Roumania, U.S.S.R., China and Manchuria.

(a) Information not available.

(b) In addition the following amounts of Kisii stone were produced (long tons): 1944—121 (including talc); 1945—133; 1946—482; 1947—272; 1948—312; 1949—497; 1950—318.

(c) Pyrophyllite.

(d) Incomplete.

(e) Southern Korea only.

(f) Bizonal area.

EXPORTS OF TALC

(Domestic Produce)

(Long tons)

Exporting Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	24	62	—	—	—	(a)	(a)
Canada (b)	10,643	6,574	5,716	5,185	4,511	3,770	3,989
Newfoundland (c)	354	80	261	206	—	(c)	(c)
India	2,868	7,463	5,354	3,623	3,683	2,802	3,188
Malaya (incl. re-exports) ..	(a)	(a)	158	256	471	508	613
Australia	(a)	(a)	51	1	5	11	—
FOREIGN COUNTRIES							
Austria	(a)	(a)	(a)	6,178	19,657	22,720	27,150
Belgium-Luxemburg E.U.	—	(a)	(a)	(a)	68	36	33
Czechoslovakia	(a)	(a)	148	165	(d) 153	(a)	(a)
France	4,103	11,467	24,628	26,633	23,324	21,053	30,115
Germany	(c) 4,175	(a)	(a)	(a)	(a)	43	169
Italy	(a)	(a)	(a)	22,974	31,925	23,489	27,054
Norway	18,143	16,435	24,845	35,010	37,624	35,317	44,274
Egypt	1,617	680	—	—	—	—	(a)
United States	9,562	10,102	14,619	15,676	14,578	14,143	18,432
Chile	8	—	—	—	—	—	—
Uruguay	1,832	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 following that stated. Included with Canada from April 1, 1949.

(d) January to October only.

(e) January to July only.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Unground	1,009	2,015	657	1,069	814	1,271	513
Ground	7,258	6,361	12,120	22,101	19,585	23,543	27,028
Canada	5,441	5,704	6,015	7,565	6,947	6,490	8,003
Cyprus	—	—	(£401)	10	11	37	30
India	—	—	—	1	—	—	—
Malaya (total imports) ..	(a)	(a)	373	177	319	573	430
Australia	261	287	33	240	290	370	287
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.	363	(a)	(a)	(a)	6,409	4,936	6,165
Czechoslovakia	(a)	(a)	1,360	595	(b) 320	(a)	(a)
Denmark	2,553	3,545	5,064	5,657	5,545	5,858	(a)
Finland (total imports) ..	409	630	1,283	2,961	2,430	3,218	(a)
France	32	6	110	827	3,092	357	725
Germany	(c) 17,931	(a)	(a)	(a)	12,589	11,755	17,434
Netherlands	(a)	(a)	(a)	(a)	14,417	9,629	12,049
Portugal	166	44	733	349	190	431	(a)
Sweden	(a)	(a)	(a)	(a)	(a)	1,981	(a)
Algeria	—	—	—	945	1,451	823	(a)
Belgian Congo	—	3	(a)	(a)	(a)	(a)	(a)
Egypt	(d) 189	(e) 26	(e) 19	(e) 119	(e) 90	(e) 191	(a)
Morocco (French)	1,584	213	45	10	(a)	(a)	(a)
Morocco (Spanish)	18	11	6	40	(a)	(a)	(a)
Tunis	26	113	315	434	127	(a)	(a)
Mexico	613	708	1,429	1,639	909	(a)	(a)
United States	7,506	5,982	16,472	15,724	16,408	16,800	20,872
Argentina	273	45	175	(a)	(a)	(a)	(a)
Brazil	71	189	79	527	202	(a)	(a)
Chile	17	38	52	(a)	(a)	(a)	(a)
Colombia	188	(a)	189	(a)	(a)	(a)	(a)
Peru	195	80	24	(a)	(a)	(a)	(a)
Venezuela	—	100	200	249	(a)	(a)	(a)
Japan (total imports) ..	(a)	(a)	583	2,473	(a)	886	(a)
Syria and Lebanon	63	10	71	(a)	(a)	(a)	(a)

(a) Information not available.

(b) January to October only.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

(d) Excess of re-exports.

(e) Total imports.

TANTALITE AND COLUMBITE
PRODUCTION OF TANTALITE AND COLUMBITE
(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Nigeria—							
Tantalite	12	13	1	4	4	2	1
Columbite	2,055	1,571	1,550	1,286	1,096	888	864
Southern Rhodesia—							
Tantalite	5	7	8	12	8	5	1
South West Africa—							
Tantalite and columbite	—	—	—	(500 lbs.)	(17 lbs.)	3	6
Tin-tantalite	1	—	—	—	—	—	—
Uganda—							
Tantalite	(c) 1	} 8	{ — 1	} (d) 2	(d) 1	4	3
Columbite	(c) 5						
Bismutotantalite	(c) 3						
Union of South Africa—							
Tantalite	3	(776 lbs.)	—	—	—	—	2
Malaya—							
Columbite	—	—	—	—	—	—	8
Australia—							
Tantalite concentrates ..	11	(1,050 lbs.)	(806 lbs.)	(112 lbs.)	5	2	7
FOREIGN COUNTRIES							
Belgian Congo—							
Tantalite and columbite concentrates	289	195	165	155	143	114	133
Tin-tantalite-columbite	—	—	—	286	513	867	1,086
French Equatorial Africa—							
Tantalite and columbite	—	2	1	1	2	6	2
Mozambique—							
Columbite	5	2	(400 lbs.)	—	—	(570 lbs.)	(a)
United States—							
Tantalite	3	2	2	1	(500 lbs.)	} (1,020 lbs.)	(1,000 lbs.)
Columbite	1	1	—	—	(100 lbs.)		
Argentina—							
Tantalite and columbite	(200 lbs.)	(1,000 lbs.)	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)—							
Columbite	—	—	3	—	—	—	—
Brazil (exports)—							
Tantalite	198	30	44	32	4	(a)	(a)
Columbite	52	(a)	7	—	5	(a)	(a)

(a) Information not available.

(b) Tin-tantalite-columbite.

(c) Exports.

(d) In addition Tin-columbite produced amounted to 329 lbs. and 210 lbs. in 1947 and 1948 respectively.

EXPORTS OF TANTALITE AND COLUMBITE
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Tantalum	—	—	(5 lbs.)	(1 lb.)	4	—	(a)
Nigeria—							
Tantalite	13	14	7	3	2	—	3
Columbite	1,567	1,975	1,438	1,290	1,239	966	1,051
South West Africa—							
Tantalite	—	—	—	—	—	1	4
Tin-tantalite concentrates	1	—	—	—	—	(a)	(a)
Southern Rhodesia—							
Tantalite	5	5	7	7	11	4	4
Uganda—							
Tantalite	1	2	} 4	2	1	2	5
Columbite	6	4					
Bismutotantalite	3	(670 lbs.)	—	—	—	—	—
Australia—							
Tantalite and columbite	(c) 2	(c) 12	1	4	4	1	6
FOREIGN COUNTRIES							
Belgian Congo—							
Tantalite and columbite	168	208	(b) 117	170	125	193	494
United States—							
Tantalite	—	(11 lbs.)	(21 lbs.)	—	(60 lbs.)	1	—
Columbite	—	2	4	5	(660 lbs.)	8	49
Bolivia—							
Columbite	—	—	3	—	—	(a)	(a)
Brazil—							
Tantalite	198	30	44	32	4	(a)	(a)
Columbite	52	—	7	—	5	(a)	(a)

(a) Information not available.

(b) Imports from Belgian Congo into the United States.

(c) Year ended June 30 of year stated.

(d) Tin-tantalite-columbite.

IMPORTS OF TANTALITE AND COLUMBITE
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Tantalite and columbite	(a)	(a)	(a)	292	329	387	586
Tantalum powder, sheet, etc.	(15 lbs.)	(226 lbs.)	(265 lbs.)	(170 lbs.)	(317 lbs.)	(131 lbs.)	(187 lbs.)
FOREIGN COUNTRIES							
United States—							
Tantalite	374	281	162	187	52	61	147
Columbite	1,645	1,887	1,083	1,260	878	695	771

(a) Information not available.

TIN
PRODUCTION OF TIN ORE
(In terms of metal)
 (Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	1,289	993	849	820	(f) 862	898	881
Nigeria	12,512	11,224	10,333	9,133	9,237	8,825	8,258
Northern Rhodesia	6	18	6	1	—	7	4
Southern Rhodesia	123	125	100	122	114	74	66
South West Africa	126	184	177	146	111	123	135
Swaziland	77	53	37	24	20	32	37
Tanganyika Territory	144	137	127	93	95	109	94
Uganda	(c) 281	203	202	156	176	174	139
Union of South Africa	504	501	487	483	457	471	643
Canada (smelter)	231	379	390	319	309	276	355
Burma	(d) 775	(d) 775	342	1,792	(e) —	(e) —	(e) —
Malaya	9,309	3,152	8,432	27,026	44,815	54,910	57,537
Australia	2,547	2,282	2,127	2,445	1,874	1,973	1,850
TOTAL	27,900	20,000	23,600	42,560	58,070	67,872	70,000
FOREIGN COUNTRIES							
France	(a) 10	—	10	43	76	(a) 120	(a) 120
Germany (b)	1,000	—	—	—	—	—	—
Italy	43	35	100	50	—	—	—
Portugal	610	581	409	555	706	1,039	947
Spain	750	1,141	921	303	261	666	(b) 575
Belgian Congo	17,326	17,524	14,634	12,752	13,215	13,963	13,796
Cameroon (French)	160	116	113	115	102	72	66
Egypt	9	13	25	—	—	—	—
French West Africa	—	—	—	—	—	26	50
Morocco (French)	9	8	9	—	—	—	—
Mozambique	8	3	2	1	1	1	(a) 440
Mexico	317	174	263	171	182	358	94
United States	5	—	—	1	5	268	(b) 300
Argentina	986	974	923	522	273	34,115	(b) 31,213
Bolivia (exports)	38,720	42,487	37,618	32,663	37,336	206	(b) 240
Brazil	154	122	269	272	172	51	(a) 1,682
Peru	—	1	2	51	64	1,781	(b) 3,600
Burma	(g) —	(g) —	(g) 1,930	(g) 3,907	(f) 4,800	4,200	60
China (smelter)	2,160	3,268	—	—	30	40	32,099
French Indo-China	357	86	—	—	118	190	326
Indonesia	6,753	948	6,426	15,915	30,562	29,033	10,366
Japan	374	56	82	102	118	7,815	—
Siam	3,296	1,775	1,056	1,401	4,240	—	—
Total	73,100	69,300	64,780	68,800	93,300	93,900	96,000
WORLD'S TOTAL (excl. U.S.S.R.)	101,000	89,300	88,400	111,400	151,000	161,800	166,000

- (a) Information not available.
- (b) Estimated.
- (c) Exports.
- (d) Average annual production during Japanese occupation.
- (e) Included under Foreign Countries.
- (f) Revised.
- (g) Included under British Countries.

SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom (b) ..	28,589	27,549	29,121	28,083	31,002	28,384	27,310
Southern Rhodesia ..	134	117	79	121	127	75	80
Union of South Africa ..	1,150	1,032	858	601	554	595	718
Canada	231	379	390	319	309	276	355
Malaya	10,983	(e) 3,500	11,533	29,318	49,707	62,737	68,747
Australia	2,442	2,359	2,225	2,371	1,885	1,955	2,014
TOTAL	43,529	34,936	44,206	60,813	83,584	93,962	99,224
FOREIGN COUNTRIES							
Belgium	—	—	1,405	12,059	10,469	8,996	9,512
Italy	2	6	10	46	—	—	—
Netherlands	—	—	945	8,981	16,402	19,247	21,027
Portugal	610	101	187	373	282	218	(c) 240
Spain	244	712	1,168	352	402	611	844
Belgian Congo	10,583	8,530	3,533	3,076	3,875	3,247	3,238
Mexico	286	160	263	172	79	60	60
United States	30,884	40,475	43,468	33,292	36,703	35,834	32,118
Argentina	653	631	777	433	254	235	(c) 300
Bolivia (exports)	—	1	—	26	81	405	269
Brazil	211	169	178	220	185	157	(c) 240
China	2,160	3,268	1,930	3,907	(d) 4,800	4,200	3,600
French Indo-China	213	14	—	—	31	—	—
Indonesia	6,069	844	—	—	—	—	—
Japan	528	120	106	52	149	290	389
Siam	3,535	1,652	389	141	—	—	2
TOTAL	56,000	56,700	54,400	63,100	73,700	73,500	71,900
WORLD'S TOTAL	99,500	91,600	98,600	123,900	157,300	167,500	171,100

In addition secondary tin recovered in the United States (as metal, in alloys, and in chemical compounds) was as follows:—

	Long tons			Long tons	
1944	29,100		1948	26,896	
1945	31,369		1949	22,233	
1946	24,706		1950	31,680	
1947	26,834				

(a) Information not available.

(b) Includes production from imported scrap and residues refined on toll.

(c) Estimated.

(d) Revised.

EXPORTS OF TIN

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Blocks, ingots, bars and slabs	3,147	9,803	20,600	3,909	2,216	4,204	15,460
Soft solder	470	1,122	1,840	831	1,256	1,362	2,053
Tin-foil	189	116	365	395	278	210	255
Nigeria—							
Ore	18,178	15,166	13,929	14,090	12,169	12,676	11,417
Southern Rhodesia—							
Ore and concentrates ..	—	22	38	28	43	—	82
Blocks, ingots and bars	11	65	23	12	12	3	5
South West Africa—							
Ore	186	229	262	224	146	162	166
Tanganyika—							
Ore and concentrates ..	170	187	181	129	133	140	128
Uganda—							
Ore	385	287	296	189	283	185	232
Union of South Africa—							
Bars, sheet, etc. .. .	90	31	148	154	—	—	(a)
Burma—							
Ore and concentrates (c)	(a)	(a)	{ (b) 96 (b) 1	(a) (a)	(a) (a)	(a) (a)	(a) (a)
Blocks, ingots, etc. ..							
Hong Kong (re-exports)—							
Slabs and ingots .. .	(a)	(a)	2,006	2,588	2,080	4,193	1,136
India—							
Blocks, ingots, bars, slabs and scrap .. .	2	104	—	1	242	—	—
Malaya—							
Ore	(a)	(a)	{ 344 7,619	— 32,072	40 47,215	— 54,783	9 81,805
Ingots, blocks, bars, slabs							
Australia—							
Ore and concentrates (d)	2	1	(a)	(a)	25	12	31
Ingots	313	468	103	14	—	1	—
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Crude	1	40	2,780	12,562	{ 10,356 24 10	9,809 63 —	10,193 57 7
Scrap	—						
Sheets, wire, etc. .. .	—						
Denmark—							
Crude	1	1	8	109	218	117	399
Scrap	—	—	—	3	2	—	—
France—							
Ore	—	—	—	2	(a)	(a)	(a)
Pigs, bars, etc. .. .	35	22	129	73	108	77	174
do. (alloys) .. .	—	3	21	126	218	265	503
Scrap	34	—	—	1	—	9	25
Sheets and wire .. .	—	1	10	66	123	115	62

(a) Information not available.

(b) February to September only.

(c) Excluding tin-tungsten ore.

(d) Sn content during the years ended June 30 of the year stated.

EXPORTS OF TIN (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Germany—							
Crude, scrap and alloys	(b) 184	} (a)	(a)	(a)	{ —	371	—
Sheets and wire	(b) —						
Tin-foil	(b) 3						
Italy—							
Ingots, bars, scrap, sheets, alloys, etc.	(a)	—	—	—	13	100	2
Netherlands—							
Ore	(a)	(a)	—	—	4	—	—
Blocks	(a)	(a)	267	4,771	12,252	19,248	17,847
Sheets, wire, etc. ..	(a)	(a)	2	25	6	(a)	(a)
Norway—							
Ingots and bars	—	25	93	119	111	116	(a)
Portugal—							
Ore	(a)	—	181	317	636	1,214	(a)
Bars	757	649	244	248	199	51	(a)
Spain—							
Ingots and bars	—	2	9	8	440	5	(a)
Sweden—							
Crude and scrap	—	—	10	—	—	54	5
Switzerland—							
Pigs, bars, slabs, sheets, alloys, etc.	—	—	6	9	8	7	30
Tin-foil	—	—	—	18	24	2	3
Scrap	—	—	—	19	1	19	133
Algeria—							
Ingots, scrap and alloys	41	5	974	6	—	36	(a)
Belgian Congo—							
Ore	9,179	11,483	17,629	19,623	14,394	13,474	16,095
Ingots	9,589	6,861	4,383	4,311	3,860	4,517	3,957
Cameroon (French)—							
Ore	232	187	85	212	113	143	110
Morocco (French)—							
Ore	—	—	—	20	(a)	(a)	(a)
Mozambique—							
Ore	14	4	1	—	—	—	—
Mexico—							
Ores and concentrates	200	38	(a)	(a)	(a)	93	13
Sn content	80	11	71	40	30	(a)	(a)
United States—							
Ingots, pigs, etc. ..	405	708	859	414	78	76	287
Scrap	3,157	3,453	6,864	6,678	9,138	9,225	2,801
Tubes, sheets, foil ..	22	103	94	93	45	36	27
Argentina—							
Ore	147	637	79	} (a)	(a)	(a)	(a)
Slag and ashes	—	489	2,016				
Ingots and bars	—	—	—				
Bolivia—							
Ores, concentrates, etc. (Sn content)	38,720	42,487	37,618	32,663	37,336	34,115	31,424
Metal	—	1	—	26	81	405	269
Peru—							
Slag (Sn content)	—	—	2	50	64	(a)	45
China—							
Ingots and slabs	136	1,560	1,535	4,050	3,850	(a)	(a)
French Indo-China—							
Ore (Sn content)	—	—	—	11	33	(a)	(a)
Ingots and scrap	(a)	(a)	(a)	(a)	94	274	(a)
Indonesia—							
Ore	(a)	(a)	(a)	16,285	45,559	43,097	43,231
Siam—							
Ore (Sn content)	98	69	—	5,277	5,651	(a)	(a)

(a) Information not available.

(b) January to July only. Western Germany from 1948.

IMPORTS OF TIN
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore and concentrates ..	32,948	44,861	47,152	39,348	48,440	46,684	46,130
Blocks, ingots, bars and slabs	—	57	634	230	158	538	} 4,069
Soft solder	—	—	21	3	7	5	
Anglo-Egyptian Sudan—							
Unwrought incl. scrap ..	52	73	15	16	24	12	(a)
Kenya (g)—							
Unwrought incl. scrap ..	(a)	(a)	(a)	(a)	(e) 190	26	44
Bars, plates and sheets ..	51	36	55	6	17	10	—
Solder	(a)	(a)	(a)	(a)	78	94	65
Southern Rhodesia—							
Blocks, ingots and bars	—	—	—	—	10	3	26
South West Africa—							
Bars, sheets, etc. ..	—	—	—	—	1	1	(a)
Tanganyika—							
Unwrought incl. scrap ..	(a)	(a)	(a)	(a)	9	1	—
Bars, plates and sheets ..	1	—	1	—	1	22	5
Solder	(a)	(a)	(a)	(a)	30	30	38
Uganda—							
Solder	(h)	(h)	(h)	(h)	(h)	16	11
Union of South Africa—							
Ore	186	—	—	(a)	(a)	(a)	(a)
Blocks, ingots, bars, plates and sheets	—	6	93	648	588	635	(a)
Tin-foil	17	23	26	8	58	8	(a)
Canada (c)—							
Blocks, pigs and bars ..	1,197	3,212	3,751	3,961	3,598	3,676	4,817
Tin-foil	726	61	3	4	1	3	15
Newfoundland (d)—							
Bars, sheets, ingots, etc.	112	219	254	402	154	(d)	(d)
Aden—							
Blocks, ingots, etc. ..	—	38	—	—	12	(e) 5	386
Burma—							
Blocks, ingots, etc. ..	(a)	(a)	(f) 10	(a)	(a)	(a)	(a)
Ceylon—							
Ingots, slabs, etc. ..	44	56	—	50	44	6	15
Tin solder	22	81	10	17	32	23	26
Cyprus—							
Ingots and bars	8	11	10	9	19	1	13
Hong Kong (total imports)—							
Slabs and ingots	(a)	(a)	2,069	2,567	2,969	3,182	595
India—							
Blocks, ingots, bars and slabs	(e) 5,383	(e) 676	341	575	582	} 3,876	4,737
do. (Government stores)	—	5	50	757	200		
Malaya (b)—							
Ore	} (a)	(a)	{ 654	4,559	4,848	9,053	13,559
Ingots, blocks, bars, slabs								106	180	167	30	28
Palestine—							
Ingots and bars	49	70	103	(a)	(a)	(j)	(j)
Tin-foil	—	1	11	(a)	(a)	(j)	(j)
Australia—							
Ingots	—	—	—	300	276	270	229
Rods, sheets, tubes, etc.	(a)	(a)	(i) 2,103	(i) —	(i) 1	(i) 9	1
Foil (i)	100	105	66	556	237	164	(a)
New Zealand—							
Ingots, etc.	431	621	74	266	425	310	136

(a) Information not available.

(b) Total imports.

(c) Including Newfoundland from April 1, 1949.

(d) Years ended March 31 of year following that stated.

(e) Excess of re-exports.

(f) February to September only.

(g) Including Uganda up to 1948 inclusive.

(h) Included with Kenya.

(i) Years ended June 30 of that stated.

(j) See "Israel" under Foreign Countries.

IMPORTS OF TIN (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES (Cont.)							
Irish Republic—							
Ingots, bars, slabs, etc.	10	15	31	40	47	63	84
Soft solder	67	95	60	144	166	114	131
Tin-foil	—	2	90	54	33	3	26
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Ore	—	(a)	(a)	15,669	14,987	11,885	12,844
Crude	} 18	} 2,287	} 3,612	} 2,553	} 1,783	} 1,243	} 1,431
Scrap							
Sheets, wire, etc. ..							
Bulgaria—							
Crude, bars, sheets, scrap, etc.	62	104	9	(a)	(a)	(a)	(a)
Czechoslovakia—							
Crude, scrap and alloys	(a)	(a)	138	1,336	(d) 1,203	(a)	(a)
Denmark—							
Crude	55	228	659	662	706	344	1,129
Scrap	2	—	—	—	—	—	18
Sheets, wire, etc. ..	2	—	12	7	5	3	28
Tin-foil	—	—	23	22	6	8	26
Finland (total imports)—							
Ingots, bars and scrap ..	41	17	349	376	437	418	(a)
Tin solder	12	—	24	32	46	46	(a)
France—							
Ore	(a)	—	—	327	(a)	(a)	(a)
Pigs, bars, etc.	1	3,193	6,910	9,300	7,618	4,410	5,664
do. (alloyed with antimony)	—	1	51	35	563	47	50
Scrap	2	—	116	209	215	85	28
Sheets and wire	1	6	1	3	8	21	5
Germany—							
Ore	(b) —	(a)	(a)	(a)	—	1,085	4,899
Crude and scrap	(b) 2,845	(a)	(a)	(a)	1,844	3,999	8,614
Sheets and wire	(b) —	(a)	(a)	(a)	1	—	—
Greece	(a)	—	104	338	52	246	(a)
Italy—							
Ingots, bars, scrap and alloys	(a)	—	581	2,729	1,161	1,646	4,042
Sheets, tubes, wire and alloys	(a)	—	—	22	17	9	7
Netherlands—							
Ore	(a)	(a)	1,325	15,852	24,339	23,990	29,702
Blocks	(a)	(a)	777	859	359	462	118
Sheets, wire, etc. ..	(a)	(a)	2	—	—	—	—
Norway—							
Crude	—	82	549	253	443	197	441
Bars, sheets, filings, etc.	3	214	105	219	200	138	51
Portugal—							
Sheets, wire, etc. ..	—	6	1	1	—	—	(a)
Spain—							
Ingots and bars	1,264	90	278	1	99	178	(a)
Sweden—							
Crude	51	364	666	1,512	1,402	283	1,352
Switzerland—							
Pigs, bars and slabs	61	59	920	851	787	370	1,578
Sheets, wire, foil, etc. ..	—	—	6	3	7	2	5
U.S.S.R.—							
Blocks, ingots, etc. (c) ..	1,200	—	1,474	—	—	(a)	(a)
Algeria—							
Crude, sheets and alloys, etc.	496	101	188	305	251	139	(a)
Egypt—							
Crude and scrap	358	358	678	239	555	263	(a)

(a) Information not available.

(c) Exports from the United Kingdom to the U.S.S.R.

(b) January to July only. Western Germany from 1948.

(d) January to October only.

IMPORTS OF TIN (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Madagascar—							
Bars, sheets, etc. ..	(a)	20	43	31	29	(a)	(a)
Morocco (French)—							
Ingots, etc.	77	19	100	160	(a)	(a)	(a)
Mozambique—							
Bars, sheets, etc. ..	3	7	3	6	6	1	1
Tunis—							
Pigs, bars and sheets ..	3	59	106	104	61	(a)	(a)
Cuba (total imports)—							
Ingots	48	70	(a)	(a)	49	28	(a)
Bars, sheets, etc. ..	45	129	(a)	(a)	14	17	(a)
Mexico—							
Ingots	—	7	91	289	167	(a)	(a)
United States—							
Ore (<i>Sn content</i>)	35,548	33,479	38,070	30,510	37,388	38,311	26,027
Blocks, pigs, bars, etc. ..	12,900	8,320	15,559	24,894	48,797	60,224	82,916
Scrap	—	—	—	49	86	48	148
Argentina—							
Ingots and sheets	6	2	395	876	884	(a)	(a)
Brazil (total imports)—							
Ingots and bars	358	362	779	848	1,248	(a)	(a)
Colombia—							
Ingots, bars, sheets, etc.	(a)	(a)	25	(a)	(a)	(a)	(a)
Chile—							
Ore	50	98	50	99	150	(a)	(a)
Ingots	81	88	163	162	142	} 100	590
Bars and sheets	—	—	—	(a)	(a)		
Peru—							
Bars, sheets, etc.	24	44	33	(a)	(a)	(a)	(a)
Uruguay—							
Ingots	76	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela—							
Crude	(a)	64	35	45	(a)	(a)	(a)
China—							
Ingots and slabs	} (a)	(a)	860	26	(a)	(a)	(a)
Tin and lead foils							
Iran (total imports) (b)—							
Ingots, sheets and wire	(a)	(a)	473	579	(a)	(a)	(a)
Iraq—							
Crude, etc.	4	3	(a)	(a)	(a)	(a)	(a)
Sheets, wire, etc.	1	145	(a)	(a)	(a)	(a)	(a)
Israel—							
Ingots, blocks and slabs ..	(c)	(c)	(c)	(c)	(c)	49	44
Japan—							
Ingots and slabs	9,235	4,255	(a)	(a)	(a)	2,462	(a)
Syria and Lebanon—							
Ingots and sheets	13	42	106	102	36	40	(a)
Turkey—							
Ingots, bars and sheets ..	402	885	199	350	743	566	1,093

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) See "Palestine" under British Countries.

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Southern Rhodesia—							
Titanium ore	7	—	—	—	—	—	—
Canada (shipments)—							
Titanium ore	30,333	12,631	1,255	6,343	3,965	482	89,732
India—							
Ilmenite	100,794	172,086	185,023	260,955	229,416	308,180	212,663
Rutile	1,646	610	258	157	127	—	36
Malaya (exports)—							
Ilmenite ("Amang") ..	(a)	(a)	—	13,081	13,566	19,718	24,915
Australia—							
Ilmenite concentrates ..	3,902	5,403	5,789	9,773	11,498	10,875	13,554
Estimated ilmenite content of all ilmenite-bearing concentrates (b)	7,173	8,360	6,610	10,310	11,570	10,668	12,221
Rutile concentrates ..	2,027	3,960	4,906	8,464	13,304	13,094	18,312
Estimated rutile content of all rutile-bearing concentrates (c) ..	8,703	9,744	8,152	13,194	15,106	13,982	18,089
FOREIGN COUNTRIES							
Norway—							
Ilmenite	62,965	27,865	51,744	68,610	88,595	97,449	(a)
Rutile (d)	84	75	62	50	—	16	(a)
Portugal—							
Ilmenite	—	573	380	239	151	904	65
Tin-titanium ore	99	43	11	4	44	57	42
Spain—							
Ilmenite	540	213	126	147	178	370	739
Cameroon (French)—							
Rutile	3,270	1,417	1,240	744	567	396	25
Egypt—							
Ilmenite	9	45	144	—	2,593	635	256
French Equatorial Africa—							
Rutile	—	—	—	—	—	—	6
French West Africa—							
Ilmenite	—	3,149	4,125	11,104	3,632	8,206	776
United States—							
Ilmenite	248,759	275,461	252,185	300,476	342,629	359,227	418,143
Rutile	6,180	6,410	6,654	7,645	6,589	10,704	(a)
Brazil (exports)—							
Ilmenite	2,461	4,921	—	—	7,775	(a)	(a)
Rutile	1,539	157	28	5	—	(a)	(a)

(a) Information not available.

(b) Includes the content of Ilmenite concentrates shown above.

(c) Includes the content of Rutile concentrates shown above.

(d) Ore and concentrates.

EXPORTS OF TITANIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ferro-titanium	(a)	(a)	193	310	309	490	568
Malaya—							
Ilmenite ("Amang") ..	(a)	(a)	—	13,081	13,566	19,718	24,915
India—							
Ilmenite	99,012	159,229	202,404	284,703	247,221	266,063	240,783
Rutile sand	1,236	164	50	131	(a)	(a)	(a)
Australia—							
Rutile	1,414	(a)	4,857	8,880	13,270	11,623	15,307
Rutile-ilmenite	90	(a)	10	75	916	194	—
Zircon-rutile	7,415	(a)	5,768	10,370	4,160	2,964	1,564
Zircon-rutile-ilmenite	12,814	(a)	2,458	2,063	180	—	4
FOREIGN COUNTRIES							
Belgium-Luxemburg E.U.—							
Titanium white	(a)	(a)	(a)	(a)	504	9	144
Czechoslovakia—							
Titanium white	(a)	(a)	636	596 (b)	414	(a)	(a)
France—							
Titanium oxide, etc. ..	—	24	167	223	169	310	740
Italy—							
Titanium white	(a)	(a)	(a)	127	242	287	667
Norway—							
Ilmenite (c)	64,590	24,726	51,508	65,944	91,428	79,640	(a)
Rutile	83	75	50	25	24	26	(a)
Titanium white	564	957	930	1,429	1,813	2,527	(a)
Portugal—							
Ore	618	5	222	144	—	297	(a)
Cameroon (French)—							
Rutile	2,857	1,023	1,663	451	612	754	568
French West Africa (Senegal)—							
Ilmenite	—	658	5,147	12,764	2,690	6,300	1,400
United States—							
Ores and concentrates ..	260	544	1,237	1,130	1,298	1,344	535
Ferro-titanium, etc. ..	707	664	491	455	429	160	152
Titanium oxide and pig- ments	9,754	11,450	14,566	18,903	23,950	26,447	29,161
Titanium compounds ..	335	67	(a)	(a)	(a)	(a)	(a)
Brazil—							
Ilmenite	2,461	4,921	—	—	7,775	(a)	(a)
Rutile	1,539	157	28	5	—	(a)	(a)

(a) Information not available.

(b) January to October only.

(c) Ilmenite is not recorded separately. The figures refer to exports of "Other ores" which were probably mainly ilmenite.

IMPORTS OF TITANIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ilmenite	} 21,012	26,532	37,830	71,250	57,242	{ 69,400	94,652
Rutile .. .. .								6,514	6,686
Australia—							
Titanium white and oxide	(e) 576	(e) 819	(e) 1,450	(e) 590	(e) 734	1,634	2,780
FOREIGN COUNTRIES							
Austria—							
Titanium white	(a)	(a)	(a)	10	114	296	527
Belgium-Luxemburg E.U.—							
Titanium white	(a)	(a)	(a)	(a)	731	850	968
Czechoslovakia—							
Titanium white	(a)	(a)	—	20	—	(a)	(a)
France—							
Titanium oxide, etc. ..	299	142	316	496	140	1,123	2,100
Iceland—							
Titanium white	20	1	12	(a)	(a)	(a)	(a)
Italy—							
Ferro-titanium	(a)	—	—	1	10	63	14
Titanium white	(a)	(a)	(a)	—	—	13	300
Netherlands—							
Titanium oxide	(a)	(a)	91	424	2,002	1,895	(a)
Titanium white	(a)	(a)	206	603	64	93	(a)
Portugal—							
Ore	—	—	15	3	—	40	(a)
Mexico—							
Titanium oxide	95	183	294	348	591	(a)	(a)
United States—							
Ilmenite (b)	93,647	186,461	215,136	(d) 273,547	216,177	289,425	193,267
Rutile (b)	3,304	2,950	3,936	(d) 6,765	7,831	2,755	3,060
Titanium compounds ..	—	—	11	11	11	2	608
Brazil—							
Titanium oxide	56	182	103	277	412	(a)	(a)
Chile—							
Titanium oxide	27	147	128	(a)	(a)	(a)	(a)
Japan—							
Ilmenite	(a)	(a)	—	1,443	—	(a)	(a)

* Imports of ilmenite are generally not separately recorded in Customs Returns.

(a) Information not available.

(b) As recorded in the official trade returns. In addition the U.S. Bureau of Mines records the following amounts of Ilmenite and Rutile contained in "zirconium ores" imported from Australia (long tons):—

	Ilmenite	Rutile
1944	3,629	5,643
1945	(c) 1,104	6,516
1946	1,239	1,300
1947	—	—
1948	—	—
1949	—	—
1950	—	—

(c) Includes 276 long tons not recovered from mixed concentrates.

(d) In addition the U.S. Bureau of Mines records 4,519 long tons of Rutile contained in "Ilmenite" imported from Australia.

(e) Year ended June 30 of that stated.

TUNGSTEN
(Long tons)

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES

Producing Country	Estimated WO ₃ Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES														
Great Britain— Concentrates	356	110	89	66	39	65	61	207	71	64	53	27	48	44
Nigeria— Concentrates	28	5	5	3	3	5	5	18	3	3	2	2	3	3
South West Africa— Wolfram	85	—	—	3	4	1	2	60	—	—	2	3	1	1
Scheelite	14	5	—	5	6	4	4	10	4	—	4	4	3	3
Tin-wolfram concentrates	—	—	—	—	—	90	94	—	—	—	—	—	13	13
Southern Rhodesia— Concentrates	689	261	48	24	70	24	58	461	188	34	17	50	17	42
Tanganyika— Tungsten ore	—	—	—	—	1	51	(c) 41	—	—	—	—	1	32	23
Uganda— Wolfram	(c) 80	53	79	131	164	174	144	54	36	53	88	115	121	101
Union of South Africa— Concentrates	574	411	126	79	140	374	86	375	269	84	53	89	247	50
Canada (b)— Concentrates	396	(10 cont.)	—	298	629	149	3	126	(7 cont.)	—	221	467	113	1
Burma— Tungsten concentrates	(e) 743	(e) 743	73	349	(f) (f)	(f) (f)	(f) (f)	475	475	50	237	(f) (f)	(f) (f)	(f) (f)
Tin-wolfram concentrates	(e) 1,109	(e) 1,109	(a)	(a)	(f) (f)	(f) (f)	(f) (f)	320	320	(a)	(a)	(f) (f)	(f) (f)	(f) (f)
India— Concentrates	30	20	3	—	—	—	—	18	12	2	—	—	—	—
Malaya— Wolfram	99	15	9	33	46	28	13	70	10	6	23	32	20	9
Scheelite	83	10	—	11	29	30	10	58	7	—	8	20	21	7
Australia— Wolfram (d)	587	521	321	388	428	385	270	402	335	206	248	292	264	190
Scheelite	115	609	693	664	651	809	780	77	397	452	433	445	550	532
New Zealand— Scheelite	136	34	27	22	25	25	22	94	22	18	14	16	16	14

(a) Information not available.

(b) Shipments (chiefly scheelite).

(c) Exports.

(d) Includes some mixed wolfram-scheelite concentrates.

(e) Average annual production during the Japanese occupation.

(f) Included under Foreign Countries.

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country	1944	1945	1946	1947	1948	1949	1950	Estimated WO ₃ Content							
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES															
Finland— Concentrates	—	—	—	—	3	37	15	—	—	—	—	—	2	29	11
France— Concentrates	71	171	224	354	438	634	(a)	39	109	169	240	335	468	(a)	(a)
Italy— Ore	12	13	15	19	8	(a)	(a)	1	3	4	5	4	(a)	(a)	(a)
Norway— Wolfram	5	5	—	—	—	—	—	3	3	—	—	—	—	—	—
Portugal (c)— Scheelite	82	—	1	17	2	9	46	41	—	1	11	1	6	31	31
Wolfram	3,058	—	260	2,640	2,576	2,358	2,358	1,529	—	169	1,699	1,674	1,539	1,539	1,532
Tin-tungsten ores	2,218	4	44	174	261	375	402	721	(a)	11	43	65	94	94	100
Spain— Concentrates	2,436	284	390	418	794	866	792	1,583	185	254	272	516	—	—	—
Sweden— Concentrates	468	563	691	506	527	678	528	198	244	289	190	187	285	214	214
Belgian Congo— Concentrates	365	427	384	174	215	327	194	237	278	250	113	140	206	126	126
Tin-tungsten ore	—	—	—	553	391	68	439	—	—	—	137	96	4	—	28
Egypt— Concentrates	15	—	—	—	15	—	—	10	—	—	—	(a)	—	—	—
Morocco (French)— Concentrates	2	—	—	(a)	(a)	—	7	1	—	—	—	—	—	—	4
Mexico	(a)	(a)	(a)	(a)	(a)	73	62	157	63	44	45	80	39	40	40
United States— Concentrates	9,161	5,055	4,382	2,839	3,784	2,717	3,789	5,496	3,033	2,629	1,703	2,270	1,630	2,273	2,273
Argentina— Concentrates (b)	1,856	954	(a)	(a)	(a)	—	—	1,225	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)— Concentrates	7,810	3,498	2,351	2,909	2,240	2,261	(a)	4,686	2,275	1,252	1,556	1,467	1,502	1,467	1,467
Brazil (exports)— Concentrates	1,958	2,006	1,452	1,208	1,039	566	(a)	1,312	(a)	(a)	(a)	(a)	340	(a)	(a)
Chile— Concentrates	3	—	—	—	(a)	(a)	(a)	2	—	—	—	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Approximately 40% Scheelite and 60% Wolfram.

(c) In addition 460 tons of mixed Pyrites-Wolfram ore containing 10-17% WO₃ were produced in 1947.

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country	Estimated WO ₃ Content													
	1944	1945	1946	1947	1948	1949	1950	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)														
Peru— Concentrates	620	472	421	566	364	470	(a)	375	309	301	342	208	268	(a)
Burma— Tungsten concentrates ..	(d)	(d)	(d)	(d)	356	278	(a)	(d)	(d)	(d)	(d)	231	181	107
Tin-wolfram concentrates	(d)	(d)	(d)	(d)	(a)	(a)	(a)	(d)	(d)	(d)	(d)	(a)	(a)	(a)
China— Concentrates	3,184	—	2,224	6,303	9,180	5,000	(a)	2,100	—	1,400	4,100	5,500	3,000	(a)
French Indo-China— Concentrates	75	7	—	—	—	—	—	49	5	—	—	—	—	—
Japan— Concentrates	650	(a)	(a)	(a)	7	17	27	368	(a)	(a)	(a)	5	12	19
Korea— Concentrates	8,201	1,365	(b) 1,161	(b) 2,167	(b) 1,160	(b) 1,321	(a)	4,920	820	700	1,300	735	855	(a)
Siam— Concentrates	1,032	419	182	441	449	674	776	671	272	119	287	292	438	504
Tin-tungsten concentrates	(a)	(a)	(a)	(a)	(a)	327	349	(a)	(a)	(a)	(a)	(a)	(a)	(a)

Tungsten ores are also produced in U.S.S.R.

(a) Information not available.

(b) South Korea only.

(c) Estimated.

(d) Included under British Countries.

EXPORTS OF TUNGSTEN, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Tungsten ore	—	—	18	10	66	158	1
Ferro-tungsten	16	159	277	960	1,082	911	1,171
Tungsten powder, wire, etc.	1	(2 cwt.)	30	54	110	92	149
Nigeria—							
Tungsten ore	44	10	2	5	3	3	5
Southern Rhodesia—							
Tungsten ores	523	393	132	13	75	21	30
South West Africa—							
Tungsten ore	46	84	4	10	9	11	5
Tanganyika—							
Tungsten ore	—	—	—	—	1	29	41
Uganda—							
Tungsten ore	80	79	84	131	108	139	186
Union of South Africa—							
Tungsten ore	171	909	169	104	127	312	236
Burma—							
Tungsten ore and concen- trates (b)	(a)	(a)	(d)	15	(a)	(a)	(a)
Hong Kong (re-exports)—							
Tungsten ore	(a)	(a)	656	992	3,307	3,714	2,530
India—							
Tungsten and tin-tung- sten ores	—	65	12	5	—	—	—
Malaya (c)—							
Wolfram	} (a)	(a)	{ (a)	83	375	158	87
Scheelite				8	36	29	11
Australia—							
Wolfram	579	587	545	345	345	273	147
Scheelite	(c) 4	(c) 44	592	949	879	906	253
Tungsten ore and concen- trates (f)	—	—	—	(e) 19	(e) 99	120	578
New Zealand—							
Scheelite	119	75	21	16	28	28	29
FOREIGN COUNTRIES							
Norway—							
Tungsten ore	—	—	—	—	—	—	—
Portugal—							
Tungsten ore	2,646	—	1,974	3,005	2,650	2,500	(a)
Spain—							
Tungsten ore	2,462	1,636	52	1,431	558	478	706
Sweden—							
Ore	—	—	—	10	—	—	36
Ferro-tungsten	—	5	288	1,024	704	759	758
Belgian Congo—							
Tungsten ores	(a)	(a)	(a)	564	252	176	606
Mexico—							
Tungsten ore and concen- trates	337	157	56	173	390	111	73
WO ₃ content	157	63	45	46	80	(a)	(a)

(a) Information not available.

(b) Including tin-tungsten concentrates.

(c) Including re-exports.

(d) February to September only.

(e) Year ended June 30 of that stated.

(f) Classified as "not elsewhere indicated" but believed to be chiefly Wolfram.

EXPORTS OF TUNGSTEN, ETC. (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
United States—							
Ore and concentrates ..	—	2	35	139	370	91	6
Ferro-tungsten	1,051	385	81	37	560	277	149
Tungsten metal, wire and alloys	140	116	62	109	81	48	68
Argentina—							
Tungsten ore	1,705	934	474	(a)	81	(a)	(a)
Bolivia—							
Tungsten ore (WO ₃ content) ..	4,686	2,275	1,252	1,556	1,467	1,502	1,467
Brazil—							
Tungsten ore	1,958	2,006	1,452	1,208	1,039	(a)	(a)
Peru—							
Tungsten ore and concentrates (WO ₃ content) ..	345	195	411	221	139	131	393
China—							
Tungsten ore	1,088	—	4,855	6,012	12,848	(a)	(a)
French Indo-China—							
Tungsten ore	(a)	(a)	165	(a)	—	—	—
Korea—							
Tungsten ore (b) ..	3,900	1,500	(a)	(a)	1,800	(a)	(a)
Siam (b)—							
Tungsten ore	400	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Estimated imports into Japan from the country indicated.

IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Tungsten ores	6,199	3,067	2,085	7,070	7,676	5,616	5,778
Tungsten powder, wire, etc.	4	—	1	1	1	1	3
Canada—							
Tungsten ore	—	2	1	44	74	25	25
Ferro-tungsten	1	—	26	306	172	135	96
Hong Kong (b)—							
Tungsten ore	(a)	(a)	799	1,707	2,402	4,910	47
Malaya (b)							
Wolfram	(a)	(a)	—	—	56	15	11
FOREIGN COUNTRIES							
Germany—							
Tungsten ore (c)	45	(a)	(a)	(a)	4,475	678	1,790
Italy—							
Ferro-tungsten	(a)	—	93	74	197	(a)	(a)
Sweden—							
Tungsten ore	—	255	1,058	2,555	2,169	2,135	1,581
Ferro-tungsten	—	—	20	—	5	24	(a)
United States—							
Tungsten ore	17,070	4,709	8,019	5,924	7,496	5,876	12,831
WO ₃ content	10,355	2,877	4,790	4,079	4,770	3,764	8,879
Tungsten metal (WO ₃ content)	—	2	5	6	—	8	119
Japan—							
Tungsten ore	5,800	1,900	(a)	5	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

(c) January to July only.

(c) January to July only. Figures for 1948 onwards refer to Western Germany.

URANIUM MINERALS
PRODUCTION OF URANIUM MINERALS
(Cwt.)

Producing Country	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES							
Portugal (b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Belgian Congo (exports)— Uranium minerals	176,549	196,189	(a)	(a)	(a)	(a)	(a)

Statistics of the production of Uranium are no longer published. In addition to those mentioned above uranium minerals are produced in a number of other countries.

- (a) Information not available.
(b) The content of radium in salts was 113 mgrams. in 1944.
(c) Imports from Belgian Congo into the United States.

EXPORTS OF URANIUM MINERALS, ETC.
(Domestic Produce)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom— Radium compounds Grains	5	(£814)	(£705)	5	8	1	294
Canada— Radium and salts £	459,723	270,289	84,122	381,102	216,439	43,920	—
FOREIGN COUNTRIES							
France— Radium and radium products Lb.	—	64	44	—	—	—	—
Portugal— Radium ore Lb.	212	(a)	—	—	—	(a)	(a)
Uranium ore Cwt.	(a)	(a)	—	—	1	(a)	(a)
Belgian Congo— Uranium minerals Cwt.	176,549	196,189	(a)	(a)	(a)	(a)	(a)
United States— Uranium ore, etc. Grams.	—	(a)	(a)	(a)	(a)	(a)	(a)
do. (compounds) Lb.	221	(a)	(a)	(a)	(a)	(a)	(a)
Radium metals Mgrams. do. (compounds)	—	361	1,616	68	546	428	250
(Ra content) Grams.	4,752	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Uranium minerals Cwt.	3	—	—	—	—	—	4
Radium compounds Grains	387	138	127	520	747	621	1,191
Canada (b)—							
Radium £	453	89	4,062	55,127	90,694	18,300	115,182
Newfoundland (c)—							
Radium salts and compounds Mgrams.	(a)	406	—	(a)	(a)	(c)	(c)
FOREIGN COUNTRIES							
France—							
Uranium oxide .. Cwt.	—	10	10	4	(a)	(a)	(a)
Radium and radium products Lb.	—	—	496	86	4	2	—
Egypt—							
Radium £	—	—	284	73	6	2	—
United States—							
Uranium oxide and salts Cwt.	93	(a)	(a)	(a)	(a)	(a)	(a)
Radium salts £	(d) 341,200	246,149	80,874	(d) 373,403	343,756	467,298	441,253
Brazil—							
Radium and radium products Mgrams.	10	30	1,663	834	1,265	(a)	(a)
Chile—							
Uranium and compounds Lb.	—	22	7	(a)	(a)	(a)	(a)
Radium compounds Grams.	—	—	50	(a)	(a)	(a)	(a)
Peru—							
Radium salts .. Lb.	(a)	—	265	(a)	(a)	(a)	(a)
Turkey—							
Uranium salts .. Lb.	—	15	15	8	4	—	—

(a) Information not available.

(b) Including Newfoundland from April 1, 1949.

(c) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(d) The quantity imported amounted to 101,290 mgrams. in 1944, and 76,681 mgrams. in 1947.

VANADIUM

PRODUCTION OF VANADIUM ORES

(In terms of metal)

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Northern Rhodesia ..	251	216	67	56	171	151	—
South West Africa ..	379	435	457	222	180	160	290
FOREIGN COUNTRIES							
Morocco (French) ..	5	—	—	—	—	—	—
Argentina	4	3	6	7	(a)	(a)	(a)
United States (Shipments)	1,575	1,323	568	946	(a)	(a)	(a)
Peru	510	661	317	428	503	234	(a)

(a) Information not available.

EXPORTS OF VANADIUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ferro-vanadium ..	(a)	(a)	(a)	57	131	87	209
Northern Rhodesia—							
Oxide, fused	250	597	22	146	159	131	213
South West Africa—							
Concentrates	624	1,331	900	2,753	(b) 460	(b) 639	(b) 547
FOREIGN COUNTRIES							
United States—							
Ore and concentrates							
(V content)	3	51	3	9	11	10	1
Metal, alloys and scrap	—	—	—	11	1	1	2
Ferro-vanadium ..	532	76	51	80	107	87	37
Vanadium oxide	15	(a)	(a)	(a)	(a)	(a)	(a)
Other compounds ..	3	(a)	(a)	(a)	(a)	(a)	(a)
Peru—							
Ore and concentrates							
(V content)	507	677	327	417	442	524	641

(a) Information not available.

(b) V₂O₅ content of lead-vanadate concentrates, the gross weight of which is included under "Lead."

IMPORTS OF VANADIUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore	618	1,331	914	1,006	1,550	1,006	1,270
Oxide	(a)	(a)	20	46	42	121	173
Other compounds ..	(a)	(a)	3	94	—	3	—
FOREIGN COUNTRIES							
France—							
Oxide	—	222	609	70	(a)	(a)	(a)
Italy—							
Oxide	34	(a)	(a)	(a)	(a)	(a)	(a)
Ferro-vanadium ..	(a)	—	—	17	14	53	53
Sweden—							
Ore	9	8	26	159	—	3	25
Ferro-vanadium ..	—	2	1	42	114	3	(a)
United States—							
Ore	1,896	3,918	1,243	1,462	1,801	906	2,281
(V content)	574	697	353	439	534	246	650
Flue dust (V content) ..	18	12	10	32	—	—	—
Japan—							
Ore	197	(a)	(a)	21	(a)	(a)	(a)

(a) Information not available.

ZINC
PRODUCTION OF ZINC ORE
(In terms of metal)
 (Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Great Britain	8,663	3,562	—	—	—	—	36
Nigeria	—	—	—	6	357	73	—
Northern Rhodesia (b) ..	14,796	15,576	17,568	21,600	23,940	27,180	37,668
South West Africa	—	—	—	(d) 5,300	11,343	12,962	11,595
Canada (b)	245,903	230,899	210,098	185,592	209,075	} 257,377	} 277,879
Newfoundland	53,125	50,597	48,653	39,481	38,633		
Australia	174,358	150,313	171,910	182,258	190,469	181,998	202,384
TOTAL	497,000	451,000	448,200	434,200	473,800	479,600	529,500
FOREIGN COUNTRIES							
Austria	(a)	(a)	900	1,450	3,104	3,770	4,035
Czechoslovakia	(f)	(a)	(a)	(a)	(a)	(a)	(a)
Finland (b)	2,178	1,363	1,880	1,901	2,447	2,435	2,142
France	2,495	3,282	4,770	5,730	5,985	10,735	9,966
Germany (e)	250,000	24,000	22,186	24,689	33,335	50,906	68,206
Greece	(a)	(a)	485	1,239	2,624	2,960	(a)
Italy	20,900	9,700	28,800	56,900	72,400	71,800	83,868
Norway	4,984	1,806	4,243	5,548	6,220	6,499	6,791
Poland	(a)	(a)	(c) 55,720	(c) 70,623	(c) 85,714	(a)	(a)
Spain (g)	32,000	28,000	36,000	38,000	41,000	49,000	59,000
Sweden	32,389	33,069	37,224	35,358	34,925	34,603	36,135
U.S.S.R. (smelter) (e) ..	(a)	85,000	90,000	105,000	145,000	175,000	210,000
Yugoslavia (g)	16,000	10,000	25,000	30,000	40,000	40,000	40,000
Algeria	995	1,876	3,800	5,760	6,030	6,396	7,064
Belgian Congo	15,270	23,319	34,981	39,519	44,894	55,919	75,107
French Equatorial Africa ..	500	612	—	—	—	43	566
Morocco (French)	1,150	965	1,660	1,722	2,290	2,707	11,232
Tunis	730	755	1,529	2,540	2,342	3,263	2,886
Mexico	215,507	206,624	137,331	192,721	176,202	175,585	220,000
United States (h)	641,645	548,534	513,244	569,293	562,479	529,646	556,585
Argentina	18,046	12,927	14,492	15,974	11,996	10,748	12,498
Bolivia (exports)	16,061	20,644	18,885	14,381	20,789	17,388	19,269
Peru (b)	56,207	60,188	58,793	57,262	57,913	70,899	72,646
French Indo-China	1,383	374	—	—	—	—	—
Japan	73,036	22,325	20,716	29,068	32,904	43,616	51,210
TOTAL	1,480,000	1,100,000	1,100,000	1,300,000	1,390,000	1,450,000	1,630,000
WORLD'S TOTAL	1,980,000	1,550,000	1,550,000	1,730,000	1,864,000	1,930,000	2,160,000

- (a) Information not available.
 (b) Recoverable.
 (c) Smelter production.
 (d) Content of ore sorted ex dumps.
 (e) Western Germany only from 1945.
 (f) Included with Germany.
 (g) Estimated.

METAL PRODUCTION OF ZINC

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	71,052	62,028	65,517	68,296	71,983	64,115	70,290
Northern Rhodesia ..	14,480	15,240	17,184	21,140	22,170	22,850	22,715
Canada	150,463	163,676	165,788	159,164	175,513	183,969	182,543
Australia	78,716	83,773	76,316	69,421	81,312	80,956	83,652
TOTAL	314,711	324,717	324,805	318,021	350,978	351,890	359,200
FOREIGN COUNTRIES							
Belgium	12,214	5,453	78,057	130,909	151,497	173,779	174,525
Czechoslovakia	(b)	(a)	(a)	(a)	(a)	(a)	(a)
France	8,654	8,281	30,524	42,300	53,024	59,643	70,213
Germany	159,720	(a)	(c) 14,620	(c) 20,396	(c) 40,704	(c) 85,547	(c) 120,857
Italy	6,000	1,600	15,021	23,697	25,981	26,033	37,517
Netherlands	(d) 2,072	(d) —	(d) 1,979	9,381	13,373	15,368	19,440
Norway	11,591	9,082	29,733	34,034	41,337	40,441	42,415
Poland	96,261	(a)	55,720	70,623	85,714	(a)	(a)
Spain	17,769	17,031	17,291	19,511	20,869	19,242	20,675
Sweden	1,762	2,882	—	—	—	—	—
U.S.S.R. (e)	(a)	85,000	90,000	105,000	145,000	175,000	210,000
Mexico	48,470	49,196	41,319	55,853	47,560	52,651	48,294
United States (f) (g)	776,163	682,644	650,234	716,513	703,361	727,484	753,096
Argentina	1,200	1,517	1,785	2,600	1,577	2,606	(e) 7,400
Peru	1,424	1,558	921	997	680	587	(a)
China	326	323	(a)	(a)	(a)	(a)	(a)
French Indo-China ..	612	—	—	—	—	—	—
Japan	61,683	25,373	11,078	14,598	20,845	31,806	48,234
TOTAL *	1,300,000	920,000	1,050,000	1,250,000	1,358,000	1,500,000	1,650,000
WORLD'S TOTAL * ..	1,615,000	1,245,000	1,375,000	1,568,000	1,709,000	1,852,000	2,010,000

* Zinc metal is also produced in Yugoslavia. An allowance has been made for this and other countries where information is not yet available.

(a) Information not available.

(b) Included with Germany.

(c) British Zone only. Including secondary.

(d) United States Bureau of Mines.

(e) Estimated.

(f) In addition secondary zinc recovered was as follows (long tons) :—

1944	308,454	1948	289,856
1945	321,825	1949	212,333
1946	268,466	1950	291,098
1947	277,494		

(g) The production by grades (including redistilled secondary) was as follows (long tons) :—

	1944	1945	1946	1947	1948	1949	1950
A—High grade—Special ..	224,295	196,644	210,879	213,637	221,737	205,871	242,570
Ordinary	224,638	171,106	161,041	170,026	175,430	184,510	171,496
B—Intermediate grade ..	49,936	43,845	28,834	32,868	34,725	19,208	19,260
C and D—Brass special ..	48,568	67,633	67,229	54,557	41,023	50,346	41,723
Selected	21,782	15,506	12,229	11,468	4,217	2,290	3,590
E—Prime Western	250,727	231,876	209,769	287,120	281,871	314,402	334,252

PRODUCTION OF ELECTROLYTIC ZINC

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
Northern Rhodesia	8,026	10,531	7,176	14,753	15,114	15,372	14,923
Canada	150,463	163,676	165,788	159,164	175,513	183,969	182,543
Australia (Tasmania)	78,716	83,773	76,316	69,421	81,312	80,956	107,024
FOREIGN COUNTRIES							
Belgium	3,691	955	11,338	(a)	(a)	(a)	(a)
France	5,478	6,693	17,726	20,147	23,610	(a)	(a)
Italy	3,900	1,400	14,310	18,621	22,457	22,174	(a)
Norway	11,591	9,082	29,733	34,034	41,337	40,441	(a)
Poland	(a)	(a)	10,391	14,265	(a)	(a)	(a)
United States	283,383	241,004	251,156	263,857	278,997	291,207	305,433
Argentina	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Japan	29,897	(b) 12,000	(b) 5,000	(b) 7,000	(a)	19,813	(a)

(a) Information not available.
(b) Estimated.

PRODUCTION OF ZINC DUST

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	12,300	5,892	6,180	5,319	6,976	7,468	8,872
Northern Rhodesia	(a)	(a)	6	30	29	15	24
Canada (estimated)	100	(a)	(a)	(a)	(a)	(a)	(a)
Australia (sales)	(a)	(a)	(a)	(a)	(a)	317	(a)
FOREIGN COUNTRIES							
France	166	156	826	137	1,093	(a)	(a)
Germany	8,402	(a)	(a)	(a)	(a)	(a)	4,876
Poland	(b)	(a)	1,198	2,148	(a)	(a)	(a)
United States	23,670	23,104	25,512	27,323	28,765	20,336	25,823

(a) Information not available.
(b) Included with Germany.

PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS

(Long tons)

Producing Country	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom	26,200	24,120	26,424	26,098	27,685	25,196	28,196
FOREIGN COUNTRIES							
Belgium	(a)	(a)	(a)	(a)	(a)	32,317	(a)
Poland	(a)	9,565	27,503	(c) 34,000	(c) 37,000	(a)	(a)
United States (b)	67,080	86,587	81,297	63,569	69,347	51,774	62,567
Japan	4,701	2,338	1,736	5,019	8,941	6,023	4,205

(a) Information not available.

(b) Excluding strip and ribbon zinc re-rolled from scrap originating in fabricating plants operated in connection with zinc rolling-mills, as follows :-

	Long tons		Long tons
1944	19,246	1948	13,421
1945	28,543	1949	8,015
1946	16,670	1950	12,358
1947	13,350		

(c) Estimated.

EXPORTS OF ZINC
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore and concentrates ..	—	—	—	—	6,078	1	311
Ingot, bars etc. ..	121	2,084	1,840	308	1,044	358	71
Sheets, plates, etc. ..	565	1,299	4,353	2,556	2,909	3,545	3,745
Oxide	1,250	11,817	22,845	11,216	14,174	12,444	13,490
Lithopone	6,406	7,634	7,003	3,959	4,854	8,061	7,360
Northern Rhodesia—							
Ores and concentrates ..	—	—	—	—	—	5,275	—
Ingot	13,593	13,995	17,217	19,178	23,253	22,704	22,675
South West Africa—							
Ores and concentrates (b)	(a)	(a)	(a)	(a)	9,402	24,163	30,362
Southern Rhodesia—							
Fume, dust and shavings	11	19	10	8	—	—	—
Union of South Africa—							
Bars, sheets, etc. ..	851	381	347	137	276	323	(a)
Canada (c)—							
Ore (Zn content)	101,164	81,946	51,965	36,228	48,417	95,254	115,680
Spelter	85,701	108,893	129,372	122,525	129,363	150,274	131,143
Dross, scrap and ashes ..	4,082	6,148	3,346	4,214	6,445	5,379	4,540
Newfoundland (d)—							
Concentrates	75,096	102,746	93,580	69,360	76,175	(d)	(d)
Hong Kong (re-exports)—							
Spelter	(a)	(a)	37	64	1,446	1,336	1,912
Sheets etc.	(a)	(a)	1,197	3,991			
India—							
Spelter, etc.	—	—	—	2	10	102	3,555
Malaya (e)—							
Sheets, etc.	(a)	(a)	19	104	164	430	182
Australia—							
Ores and concentrates (Zn content)	(f) 130,661	(f) 94,957	(f) 95,144	(f) 90,114	(f) 84,309	70,500	81,819
Dust (f. Australian) ..	(£1,178)	(£95)	(£2,448)	122	46	58	37
Blocks	60,493	58,021	49,821	28,408	33,715	33,570	44,801
Scrap and shavings ..	(a)	(a)	(f) 283	(f) 617	(f) 325	245	48
Plates and strips ..	9	172	1,223	1,871	1,535	339	1,265
FOREIGN COUNTRIES							
Austria—							
Ore	(a)	(a)	(a)	6,430	2,337	5,399	5,963
Spelter and alloys ..				2	98	—	—
Scrap				192	965	2,475	1,763
Zinc-white and zinc-grey				298	—	—	—
Lithopone				98	177	—	30
Belgium-Luxemburg E.U.—							
Ore	104	(a)	(a)	32,301	41,690	41,914	35,144
Spelter	10,793				(a)	(a)	
Scrap	—				778	3,476	1,823
Sheets, tubes and wire ..	760				12,564	8,277	12,701
Dust	39				(a)	2,454	5,406
Oxide	633				7,760	5,934	5,207
Lithopone	—				8,693	6,921	12,020

(a) Information not available.

(b) Excluding zinc contained in lead concentrates.

(c) Including Newfoundland from April 1, 1949.

(d) Years ended March 31 following that stated. Included with Canada from April, 1949.

(e) Including re-export

(f) Years ended June 30 of year stated.

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES (Cont.)								
Czechoslovakia—								
Ore	(a)	(a)	(a)	—	(c) 2,993	(a)	(a)	
Spelter, scrap and alloys			53	877	(c) 72	(a)	(a)	
Sheets and plates			653	181	(c) 267	(a)	(a)	
Zinc-white and zinc-grey			1,379	1,071	(c) 333	(a)	(a)	
Lithopone			783	2,593	(c) 1,025	(a)	(a)	
Denmark—								
Spelter	1	—	184	189	238	2	958	
Scrap	1,238	390	1,099	597	759	1,240	1,520	
Finland—								
Concentrates	3,947	—	3,486	4,029	10,785	8,168	(a)	
Spelter and scrap	4	3	—	—	—	—	—	
France—								
Ore	—	—	3,432	1,677	—	—	334	
Spelter, bars and scrap	—	4	54	113	37	698	3,695	
Sheets	—	118	853	1,808	1,835	3,915	3,734	
Oxide	—	77	398	1,163	1,614	1,699	2,450	
Lithopone, etc.	—	3	150	153	393	1,128	1,563	
Germany—								
Ore	(b) —	(a)	(a)	(a)	{	—	3	
Spelter, dust and alloys ..	(b) 16,324					—	688	10,474
Scrap	(b) 6,874					—	432	98
Sheets and wire	(b) 15,902					—	187	4,580
Zinc-white and zinc-grey and lithopone	(b) 15,902					—	16,844	33,295	40,996
Greece—								
Ore	(d) 2,000	—	(a)	—	7,042	6,446	(a)	
Italy—								
Ore	(a)	(a)	24,802	68,143	90,304	81,970	87,439	
Spelter, scrap and alloyed	—	—	4,331	604	7,082	1,678	8,076	
Sheets, wire and alloyed, etc.	—	—	305	96	113	48	10	
Oxide	(a)	(a)	(a)	246	161	204	986	
Lithopone	(a)	(a)	(a)	169	1,647	1,972	4,656	
Netherlands—								
Spelter	(a)	(a)	3,338	4,731	{	785	5,179	
Scrap						1,103	1,172	
Sheets						758	704	
Norway—								
Ore	—	2,053	5,659	7,379	640	167	(a)	
Electrolytic zinc	9,251	7,044	23,868	23,579	29,859	28,900	32,624	
Bars, sheets, wire, etc. ..	—	86	361	6	2	4	(a)	
Ashes and scrap	280	134	507	236	360	460	843	
Poland—								
Spelter, dust and scrap	(a)	(a)	(a)	13,968	(a)	(a)	(a)	
Sheets, tubes and wire ..	(a)	6,916	26,066	18,448	(a)	(a)	(a)	
Oxide	(a)	(a)	(a)	7,994	(a)	(a)	(a)	
Lithopone	(a)	(a)	(a)	638	(a)	(a)	(a)	
Portugal—								
Bars	3	14	27	10	139	54	(a)	
Zinc-white	33	23	18	27	33	21	(a)	
Spain—								
Blende	14,117	6,148	45,074	52,043	49,897	38,294	80,352	
Bars, scrap, sheets, wire, etc.	949	1,049	783	1,022	917	1,285	(a)	
Sweden—								
Ore	42,364	49,887	95,030	75,337	73,506	66,244	65,932	
Spelter	13	8	63	—	10	5	2	
Scrap	36	—	332	158	2,123	1,640	2,576	
Zinc-white	—	1	4	13	—	—	1	

(a) Information not available.

(b) January to July only. Western Germany from 1948.

(c) January to October only.

(d) Imports into Germany from Greece.

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Switzerland—							
Spelter and scrap	—	—	522	1,514	1,319	1,077	2,903
Zinc-white, etc.	1	2	7	46	89	82	66
Yugoslavia—							
Concentrates	(a)	(a)	(a)	(a)	(a)	(a)	33,798
Metal	(a)	(a)	(a)	(a)	(a)	(a)	1,392
Dust	(a)	(a)	(a)	(a)	(a)	(a)	1,257
Algeria—							
Ore	191	197	983	17,244	12,752	18,038	16,592
Spelter, plates and scrap	82	287	90	1,784	318	619	(a)
Oxide	—	2	—	13	40	—	(a)
Belgian Congo—							
Ores and concentrates	408	27,494	(a)	84,662	111,061	107,647	127,818
Morocco (French)—							
Ore	(a)	(a)	(a)	3,346	3,248	9,252	16,600
Tunis (including re-exports)							
Ore	—	492	2,810	6,939	5,281	5,908	5,822
Mexico—							
Ores and concentrates	314,429	318,453	228,571	285,780	238,167	254,056	(a)
Refined	39,024	38,880	41,162	38,723	42,376	37,695	(a)
Zn content (c)	195,965	200,075	128,143	184,672	170,146	(a)	(a)
Zinc oxide (metallurgical)	3,568	67	207	4,059	4,981	3,089	(a)
United States—							
Ore and dross (b)	—	—	79	1,253	3,167	2,612	1,017
Spelter	19,265	6,947	42,164	95,241	58,712	52,419	11,533
Scrap (b)	—	—	—	(a)	(a)	1,401	5,546
Sheets, strips, etc.	3,039	4,838	10,675	7,099	5,696	5,488	2,937
Dust	263	295	326	1,470	796	616	451
Oxide	4,921	6,341	9,781	17,037	7,716	4,500	2,762
Lithopone	10,314	10,336	8,617	12,190	18,763	12,910	8,354
Argentina—							
Ore	33,121	—	45,636	}	(a)	(a)	(a)
Slag and ash	—	—	—				
Spelter, bars and sheets	3	—	5				
Bolivia—							
Ores (Zn content)	16,061	20,644	18,885	14,381	20,789	17,388	19,269
Chile—							
Bars	123	187	126	188	81	(a)	(a)
Peru—							
Ores, etc. (Zn content)	31,902	44,797	51,385	57,981	47,523	58,453	71,705
Bars (Zn Content)	1,428	1,558	921	824	680	600	1,853
French Indo-China—							
Spelter, sheets and scrap	—	(a)	247	48	109	56	(a)
Japan—							
Spelter	—	—	2,461	18,149	16,512	(a)	339
Oxide	(a)	(a)	(a)	98	(a)	(a)	171
Turkey—							
Ore	—	—	72	7,005	103	165	—

(a) Information not available.

(b) Zn content.

(c) Total metal content of above items and not additional.

IMPORTS OF ZINC
(Less Re-exports)
(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Ore and concentrates ..	179,033	153,566	165,497	130,384	156,538	197,872	196,422
Ingots, bars, etc. ..	119,316	88,288	49,394	148,720	167,758	143,043	141,914
Sheets, plates, etc. ..	8	4	(b) 14	13	14	227	414
Oxide	—	—	—	—	49	25	51
Lithopone	—	—	70	270	1,202	10,630	12,067
Anglo-Egyptian Sudan							
Unwrought incl. scrap ..	4	13	19	34	6	7	(a)
Kenya (c)—							
Bars, plates and sheets ..	1	11	13	11	20	13	17
Southern Rhodesia—							
Sheets, dust, etc. ..	433	275	352	315	289	250	249
South West Africa—							
Spelter, sheets, etc. ..	—	—	2	7	3	13	(a)
Tanganyika—							
Bars, sheets, etc. ..	—	—	—	—	14	9	7
Union of South Africa—							
Spelter	9,786	9,413	9,582	9,814	13,300	11,218	(a)
Bars, rods, sheets, etc. ..	36	47	179	315	215	148	(a)
Dust and shavings ..	395	10	21	(a)	(a)	(a)	(a)
Canada (d)—							
Spelter	3,966	—	—	—	(b) 2	(b) 3	—
Dust	18	21	16	171	213	325	185
Sheets, plates, bars, etc. ..	512	1,761	1,933	1,704	2,633	1,916	1,586
Zinc-white	779	1,043	826	1,968	1,547	977	989
Lithopone	8,482	9,078	7,909	11,372	13,203	7,269	7,280
Newfoundland (e)—							
Bars, sheets, etc. ..	62	51	47	19	22	(e)	(e)
Ceylon—							
Blocks, ingots, etc. ..	1	—	1	—	—	5	—
Sheets and plates ..	45	—	9	76	16	29	25
Hong Kong (total imports)—							
Spelter	(a)	(a)	108	339	} 1,097	1,656	1,835
Sheets	(a)	(a)	2,095	3,130			
India—							
Spelter	1,890	6,045	42,148	35,823	32,723	31,670	30,583
Sheets, etc.	461	1,076	1,335	1,586	1,722	1,902	2,826
Zinc-white	52	185	938	968	1,558	823	91
Lithopone	1,477	1,124	723	719	1,462	1,349	1,425
Malaya (total imports)—							
Sheets	(a)	(a)	254	958	538	781	1,039
Palestine—							
Spelter and sheets ..	27	104	783	(a)	(a)	(f)	(f)
Lithopone	155	109	163	(a)	(a)	(f)	(f)
Australia—							
Dust (£ Aust.)	(£103)	—	(£1)	—	(£3)	—	—
Blocks, sheets, scrap, etc.	68	20	71	73	115	165	131
Oxides	229	608	1,102	105	20	428	(g) 401
Lithopone	248	999	1,257	1,149	2,088	4,069	2,467
New Zealand—							
Spelter, bars and sheets	395	134	493	1,236	943	985	1,214
Irish Republic—							
Sheets and plates ..	123	144	387	622	435	(a)	(a)
Zinc-white	(a)	(a)	(a)	(a)	(a)	615	740

(a) Information not available.

(b) Excess of re-exports.

(c) Includes Uganda up to 1948 inclusive.

(d) Includes Newfoundland from April 1, 1949.

(e) Years ended March 31 of year following that stated. Included with Canada from April 1, 1949.

(f) See "Israel" under Foreign Countries.

(g) Year ended June 30 of that stated.

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950	
FOREIGN COUNTRIES								
Austria—								
Spelter and alloys ..	(a)	(a)	(a)	2,189	1,722	8,146	5,954	
Sheets, bars, etc. ..				22	29	11	4	
Zinc-white and zinc-grey				32	—	599	115	
Lithopone				11	8	676	297	
Belgium-Luxemburg E.U.—								
Ore	3,002	50,912	216,456	284,114	363,685	370,939	397,316	
Spelter	730	2,961	(a)	(a)	1,981	346	2,253	
Scrap					778	3,476	350	
Sheets, tubes and wire ..					1	(a)	17	7
Dust					1	(a)	(a)	236
Oxide					24	(a)	(a)	64
Lithopone					175	(a)	(a)	270
					759	759	2,386	
Bulgaria—								
Spelter, bars, sheets and scrap	392	201	261	(a)	(a)	(a)	(a)	
Zinc-white	15	12	—					
Lithopone	213	24	131					
Czechoslovakia—								
Spelter and alloys	(a)	(a)	1,998	22,944	(c) 19,879	(a)	(a)	
Scrap	(a)	(a)	—	408	(c) —	(a)	(a)	
Zinc-white, zinc-grey, etc.	(a)	(a)	96	44	(c) 1,006	(a)	(a)	
Denmark—								
Spelter	1,797	2,308	4,803	5,293	5,636	7,441	6,503	
Scrap	154	23	10	37	127	95	34	
Plates and sheets	3,088	527	6,425	7,299	5,078	3,368	5,403	
Zinc-white	1,707	1,019	3,369	2,911	3,129	2,191	2,994	
Lithopone	2,068	177	710	998	2,325	1,942	3,420	
Finland (total imports)—								
Spelter	1,247	107	1,700	4,309	1,684	3,201	(a)	
Scrap	—	1	—	1	50	1	(a)	
Sheets	589	—	131	307	461	1,104	(a)	
Zinc-white	7	5	266	767	1,049	1,766	(a)	
France—								
Ore	461	55,094	67,819	92,014	56,946	75,086	151,871	
Spelter, bars and scrap ..	770	8,770	51,554	59,490	37,890	49,429	29,437	
Sheets	67	12	29	4	161	—	6	
Oxide	340	1,340	3,059	5,295	2,107	3,278	839	
Lithopone	706	100	356	2,046	2,021	3,142	5,028	
Germany—								
Ores	(b) 35,403	(a)	(a)	(a)	10,866	12,125	5,830	
Spelter, dust, scrap and alloys	(b) 8,527							
Sheets and wire	(b) 11							
Zinc-white and zinc-grey	(b) 506							
Lithopone	(b) 206							
					12	—	223	
Greece—								
Spelter, etc.	(a)	2	138	231	411	1,059	(a)	
Iceland—								
Zinc-white	35	284	85	(a)	(a)	(a)	(a)	
Lithopone	50	63	16	(a)	(a)	(a)	(a)	
Italy—								
Ore and ashes	(a)	(a)	(a)	1	—	—	24	
Spelter, matte and alloyed.. .. .	(a)	—	59	2,987	1,513	3,495	3,957	
Sheets, wire, etc., and alloyed.. .. .	(a)	—	—	284	662	662	101	
Oxide	(a)	(a)	(a)	11	346	608	775	
Lithopone	(a)	(a)	(a)	46	145	—	10	

(a) Information not available.

(b) January to July only. Figures for 1948 onwards refer to Western Germany.

(c) January to October only.

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Netherlands—							
Ore	(a)	(a)	22,840	18,478	24,676	50,761	45,260
Spelter	}	(a)	6,460	6,951	8,042	9,017	10,809
Scrap							
Sheets							
Zinc-white							
Lithopone	(a)	(a)	—	242	134	480	1,403
Oxide	(a)	(a)	142	225	—	—	—
Norway—							
Ore	19,301	18,975	72,200	81,645	61,013	74,106	70,112
Ashes and scrap	463	591	434	329	300	443	(a)
Spelter	2,165	1,489	348	76	15	—	(a)
Bars and sheets	107	14	187	81	86	96	(a)
Zinc-white	567	136	951	4,235	1,232	1,746	172
Lithopone	146	24	276	770	452	544	98
Poland—							
Ores and slag	(a)	—	1,945	39,030	(a)	(a)	(a)
Portugal—							
Sheets, etc.	613	817	1,791	1,561	1,069	1,289	(a)
Oxide	422	701	1,975	1,590	1,260	1,370	(a)
Lithopone	416	98	162	411	586	610	(a)
Spain—							
Bars and scrap	5	3	2,225	656	98	915	(a)
Sweden—							
Ore	—	—	—	—	—	—	(a)
Spelter	10,192	6,464	25,037	19,209	19,484	21,292	19,840
Scrap	1	—	258	282	59	58	(a)
Sheets	1,372	214	3,538	3,091	3,036	2,248	2,316
Zinc-white	5,066	6,404	10,496	11,076	7,150	5,038	(a)
Lithopone, etc.	6,340	630	3,464	3,703	5,634	4,430	(a)
Switzerland—							
Spelter and scrap	4,071	1,860	10,873	11,981	14,903	7,596	7,292
Dust	—	529	417	1,086	605	596	1,071
Bars, sheets, pipes and wire	627	235	1,664	1,921	1,432	965	1,546
Zinc-white, lithopone, etc.	1,996	1,245	5,177	5,115	4,987	4,231	7,055
Algeria—							
Spelter, sheets and scrap	361	11	571	923	2	1	(a)
Oxide	165	202	379	741	614	469	(a)
Lithopone, etc.	68	24	—	49	284	227	(a)
Angola—							
Bars, sheets and tubes	25	5	51	36	(a)	(a)	(a)
Egypt—							
Spelter, sheets and scrap	382	125	545	859	408	726	(a)
Zinc-white	187	1,447	626	572	1,366	646	(a)
Lithopone	38	159	63	49	154	1,042	(a)
Madagascar—							
Spelter, bars and sheets	(a)	32	65	200	65	(a)	(a)
Oxide	(a)	14	8	2	44	(a)	(a)
Morocco (French)—							
Spelter, sheets and wire	—	18	54	26	(a)	(a)	(a)
Lithopone	53	144	198	225	(a)	(a)	(a)
Morocco (Spanish)—							
Spelter and sheets	29	43	22	164	(a)	(a)	(a)
Lithopone	3	2	1	3	(a)	(a)	(a)
Mozambique—							
Spelter, bars and sheets	1	30	26	12	24	16	13
Tunis—							
Sheets	42	76	187	396	88	(a)	(a)
Oxide	—	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
FOREIGN COUNTRIES (Cont.)							
Cuba (total imports)—							
Sheets	74	101	(a)	(a)	106	68	(a)
Mexico—							
Spelter, sheets and scrap	701	521	474	607	473	(a)	(a)
Zinc-white	591	95	104	(a)	(a)	(a)	(a)
United States—							
Ore (Zn content)	371,979	301,375	177,110	261,436	158,860	139,004	221,440
Spelter	56,410	86,133	92,915	61,597	82,631	112,111	138,665
Dross and scrap	5,003	6,517	3,650	4,490	9,172	3,332	2,530
Sheets	14	—	—	7	107	28	189
Dust	—	324	69	—	36	15	421
Oxide	5	—	37	105	24	213	4,549
Lithopone	—	—	—	—	—	11	1,073
Argentina—							
Spelter and bars	749	2,971	7,558	} (a)	(a)	(a)	(a)
Sheets and plates	912	1,454	3,695				
Zinc-white	105	322	1,018				
Lithopone, etc.	144	86	509				
Brazil (total imports)—							
Bars, sheets and plates ..	3,684	2,016	4,103	3,139	(a)	(a)	(a)
Zinc-white	1,663	4,040	4,126	7,412	(a)	(a)	(a)
Chile—							
Spelter	970	520	1,572	900	1,123	1,475	1,451
Bars, sheets, etc.	23	22	329	(a)	(a)	(a)	(a)
Zinc-white and lithopone	874	1,553	1,289	(a)	(a)	(a)	(a)
Colombia—							
Spelter, sheets, alloys, etc.	(a)	174	120	(a)	(a)	(a)	(a)
Zinc-white, etc.	120	291	331	(a)	(a)	(a)	(a)
Peru—							
Spelter, bars, sheets and powder	13	134	50	(a)	(a)	(a)	78
Zinc-white and lithopone	200	381	505	(a)	(a)	(a)	(a)
Uruguay—							
Spelter	} 107	} (a)	(a)	(a)	(a)	(a)	(a)
Sheets							
Lithopone							
Zinc-oxide							
Venezuela—							
Spelter	—	4	1	3	(a)	(a)	(a)
Zinc-white	—	272	198	210	(a)	(a)	(a)
China—							
Spelter and dust	(a)	(a)	6,174	5,054	(a)	(a)	(a)
Zinc-white	(a)	(a)	2,541	2,520	(a)	(a)	(a)
Iran (total imports) (b)—							
Spelter, sheets and wire	—	(a)	38	177	(a)	(a)	(a)
Iraq—							
Spelter, sheets, etc.	7	11	(a)	(a)	(a)	(a)	(a)
Israel—							
Spelter and sheets	(c)	(c)	(c)	(c)	(c)	1,362	1,096
Lithopone	(c)	(c)	(c)	(c)	(c)	—	218
Japan—							
Ore	17,578	(a)	—	1,149	1,746	(a)	607
Spelter	636	5	(a)	742	(a)	(a)	1,397
Syria and Lebanon—							
Spelter	—	7	—	(a)	(a)	(a)	(a)
Sheets	1	7	143	(a)	(a)	(a)	(a)
Turkey—							
Spelter	5	3	218	328	113	196	38
Bars, tubes, and wire	317	207	2,355	2,154	1,239	2,396	2,237
Oxide	26	65	391	1,023	1,050	1,325	637
Lithopone	44	—	264	417	463	883	1,199

(a) Information not available.

(b) Years ended March 20 of year following that stated.

(c) See " Israel " under British Countries.

ZIRCONIUM MINERALS
PRODUCTION OF ZIRCONIUM MINERALS
(Long tons)

Producing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
India	755	1,020	466	(a)	(a)	(a)	(a)
Malaya—							
Zircon	(b)	(b)	—	—	—	—	—
Zircon-monazite	(c)	(c)	—	—	—	—	—
Australia—							
Zircon (d)	14,000	15,180	12,403	21,576	21,811	20,970	22,188
Zircon concentrates (e)	3,549	6,417	8,313	15,391	19,056	18,873	21,805
FOREIGN COUNTRIES							
Egypt	12	10	4	—	93	126	93
French West Africa	—	—	—	38	188	241	—
Madagascar	—	3	—	—	—	—	—
Brazil (exports)	2,118	746	4,382	3,915	3,581	2,243	950

Zircon is also produced in the United States.

(a) Information not available.

(b) Total production during Japanese occupation amounted to 741 tons.

(c) Total production during Japanese occupation amounted to 207 tons.

(d) Estimated zircon content of all zircon-bearing concentrates.

(e) Zircon content included above and not additional.

EXPORTS OF ZIRCONIUM MINERALS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
India—							
Zircon sand	—	—	279	6,499	(a)	(a)	(a)
Australia—							
Zircon	2,813	(a)	7,571	8,832	12,887	17,783	19,609
Zircon-rutile	7,415	(a)	5,768	10,370	4,160	2,964	1,564
Zircon-rutile-ilmenite	12,814	(a)	2,458	2,063	180	—	4
FOREIGN COUNTRIES							
French West Africa—							
Zircon-ilmenite	—	—	(a)	(a)	(a)	(a)	(a)
Brazil	2,118	746	4,382	3,915	3,581	2,243	950
United States—							
Ores and concentrates	72	97	232	295	278	273	468

(a) Information not available.

IMPORTS OF ZIRCONIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1944	1945	1946	1947	1948	1949	1950
BRITISH COUNTRIES							
United Kingdom—							
Zirconium ores	48	345	814	598	2,654	2,495	2,769
Canada—							
Zirconium oxide	(£3,663)	(£9,240)	(£12,783)	(£15,444)	(£8,541)	(£14,725)	(£11,222)
Zirconium silicate	(£6,055)	(£4,375)	(£6,203)	(£9,271)	(£12,239)	(£20,516)	(£26,319)
FOREIGN COUNTRIES							
United States—							
Zirconium ore (b)	21,458	23,634	15,013	27,407	14,973	18,601	15,023
Zircon (c)	10,104	15,307	10,303	20,492	12,587	1,780	(a)
Baddeleyite (d)	2,082	707	2,171	4,124	3,172	—	(a)

(a) Information not available.

(b) As recorded in official trade returns. The zircon and baddeleyite shown are *not* additional but have been separated by the U.S. Bureau of Mines from this item.

(c) Zircon content of zirconium ore, rutile and ilmenite concentrates imported from Australia.

(d) Imported from Brazil. May include some zircon.

MISCELLANEOUS MINERALS

These minerals are not separately recorded in the statistical returns of several countries.

Country and Description	1944	1945	1946	1947	1948	1949	1950
SELENIUM							
PRODUCTION—							
Northern Rhodesia Lb.	—	—	(b) 108,889	11,826	21,132	20,958	27,056
Canada .. Lb.	298,592	379,187	521,867	501,090	390,894	318,225	356,200
Australia .. Lb.	(a)	(a)	1,566	1,603	1,656	1,362	83,776 2394
Finland .. Lb.	(a)	(a)	(a)	(a)	2,075	2,793	1,517
Sweden (exports) Lb.	100,839	750	122,246	89,098	50,521	21,305	83,776
Mexico .. Lb.	—	—	—	(a)	(a)	(a)	1,458
United States .. Lb.	485,446	458,486	291,103	512,648	561,156	468,502	511,325
Japan .. Lb.	(a)	(a)	(a)	6,548	10,053	20,163	(a)
EXPORTS—							
Canada (d) .. Lb.	250,404	442,084	723,490	673,588	447,885	343,784	542,401
Sweden .. Lb.	100,839	750	122,246	89,098	50,521	21,305	83,776
Mexico .. Lb.	—	—	—	(a)	(a)	(a)	(a)
IMPORTS—							
United Kingdom Lb.	81,497	142,816	168,004	142,932	150,350	137,791	197,873
Czechoslovakia .. Lb.	(a)	(a)	4,850	12,346	(e) 2,205	(a)	(a)
Portugal .. Lb.	(a)	(a)	2,020	(a)	(a)	(a)	(a)
Sweden .. Lb.	9	—	2,017	1,105	1,241	2,513	(a)
United States .. Lb.	97,800	(d) 219,215	(d) 475,881	(d) 529,175	(d) 267,118	(d) 171,581	(d) 363,312
Brazil .. Lb.	3,761	3,100	5,723	5,384	9,270	(a)	(a)
Peru (d) .. Lb.	410	110	617	187	(a)	(a)	(a)
TELLURIUM							
PRODUCTION—							
Canada .. Lb.	10,661	484	15,848	9,194	11,425	11,692	48,900
United States .. Lb.	69,025	80,750	3,765	45,248	48,806	109,021	59,719
Peru .. Lb.	755	1,020	(a)	(a)	(a)	(a)	(a)
LITHIUM MINERALS							
PRODUCTION—							
Southern Rhodesia—							
Amblygonite .. Ton	—	—	—	—	—	—	179
South West Africa—							
Amblygonite .. Ton	—	—	—	30	157	116	261
Lepidolite .. Ton	1,645	1,135	1,680	2,950	1,215	799	8,320
Petalite .. Ton	—	—	—	100	160	120	161
Uganda—							
Amblygonite .. Ton	—	—	—	—	—	200	260
Union of South Africa—							
Amblygonite .. Ton	—	—	—	—	—	—	13
Australia—							
Petalite .. Ton	—	—	—	—	—	5	(a)
Portugal—							
Amblygonite .. Ton	98	2	—	—	—	18	10
Spain	99	—	—	—	—	—	(a)
Sweden—							
Petalite .. Ton	145	—	—	—	—	—	(a)
Spodumene .. Ton	109	20	48	—	—	—	(a)
Mozambique—							
Lepidolite .. Ton	—	—	—	—	—	590	(a)
United States (f) Ton	11,892	2,184	2,737	2,179	3,465	4,320	8,309
Argentina—							
Spodumene .. Ton	(a)	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Recovered from electrolytic copper refinery slimes accumulated during the war years.

(c) Selenium content of smelter residues.

(d) Including salts.

(e) January to October only.

(f) Shipments. Including compounds.

MISCELLANEOUS MINERALS (Cont.)

Country and Description	1944	1945	1946	1947	1948	1949	1950
LITHIUM MINERALS							
<i>(Cont.)</i>							
Brazil (exports)—							
Amblygonite .. Ton	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Spodumene .. Ton	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Korea Ton	752	(a)	(a)	(a)	(a)	(a)	(a)
EXPORTS—							
Southern Rhodesia—							
Amblygonite .. Ton	—	—	—	—	—	—	187
South West Africa—							
Amblygonite .. Ton	—	—	—	—	—	245	85
Lepidolite .. Ton	1,504	1,458	2,263	2,023	1,454	1,084	6,947
Petalite .. Ton	—	—	—	50	163	4	230
Uganda—							
Amblygonite .. Ton	—	—	—	—	—	200	265
Brazil—							
Amblygonite	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Spodumene	(a)	(a)	(a)	(a)	(a)	(a)	(a)
VERMICULITE							
PRODUCTION—							
Kenya Ton	—	10	—	(4 cwt.)	—	5	4
Southern Rhodesia Ton	—	—	—	—	16	947	700
Tanganyika .. Ton	—	—	50	—	—	—	—
Union of South Africa							
Ton	1,207	2,469	4,942	14,085	12,329	20,861	41,753
Australia .. Ton	123	59	204	82	151	162	120
United States (sales) Ton	48,318	57,864	77,134	117,308	123,781	150,731	185,800
EXPORTS—							
Union of South Africa							
Ton	179	593	1,551	7,602	7,520	9,497	25,442
Southern Rhodesia Ton	—	—	—	—	—	206	374
IMPORTS—							
Canada £	4,756	7,977	3,402	32,256	31,970	52,408	86,368

(a) Information not available.

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