

COLONIAL GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

STATISTICAL SUMMARY
OF THE
MINERAL INDUSTRY

PRODUCTION, EXPORTS AND IMPORTS

1949-1954

MINERAL RESOURCES DIVISION,

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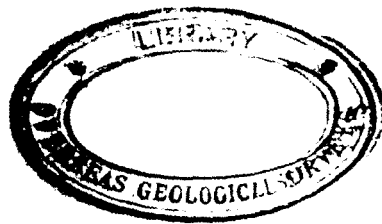
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LONDON: HER MAJESTY'S STATIONERY OFFICE

1956

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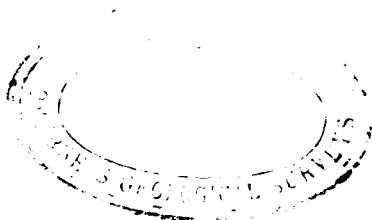


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MINERAL RESOURCES DIVISION

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1956

This publication is 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.

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MAJOR CHANGES IN THIS ISSUE

Statistics of the production and trade of dolomite and magnesium have been included.

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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 wherever possible.

(2) Both British and Foreign Countries are arranged alphabetically according to continents in the following order:—Europe, Africa, North and Central America, South America, Asia, Australasia.

(3) In the sections on copper, lead, tin 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.

(4) 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.

(5) Figures of imports and exports for certain countries are not shown. This does not necessarily mean that there is no trade in the commodity but that the item is not recorded separately in the trade returns of the country concerned. In some cases figures have been arrived at by other means, as indicated by footnotes.

(6) 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 other than foreign 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.

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

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

(9) Separate statistics of the trade of Southern Rhodesia, Northern Rhodesia and Nyasaland are not available after 1953. With the inauguration of the Federation of Rhodesia and Nyasaland, statistics of imports and exports are compiled for the Federal area as a whole. Trade between the three countries is not included.

(10) The factors used for converting volumes of liquids into long tons are approximate only. They are shown as footnotes to the tables relating to Coal by-products and Petroleum and Allied Products.

(11) Figures for the latest year are very often preliminary and therefore subject to revision.

(12) 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. The symbol "—" means Nil or less than half the unit shown.

ABRASIVES*

PRODUCTION OF NATURAL ABRASIVES (Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Kenya—						
Corundum	—	2	—	—	—	—
Nyasaland—						
Corundum	88	184	106	46	—	15
Southern Rhodesia—						
Corundum	—	—	—	—	753	2,536
South West Africa—						
Corundum	—	10	—	—	—	—
Union of South Africa—						
Corundum	2,425	3,151	4,491	3,731	1,665	1,288
Canada—						
Grindstones	174	89	54	38	13	13
India—						
Corundum	194	299	554	637	324	4,701
Garnet sand	10	(a)	(a)	(a)	(a)	(a)
Malaya—						
Corundum	—	—	25	—	—	—
Australia—						
Corundum	—	—	—	54	—	—
Garnet	—	5	22	70	35	—
New Zealand—						
Pumice	13,124	9,716	8,774	9,612	2,013	8,854
FOREIGN COUNTRIES						
Belgium—						
Grindstones	32	36	63	66	55	52
France—						
Pumice	14,800	17,700	15,000	11,280	12,200	10,300
Tripoli	86	(a)	(a)	(a)	(a)	(a)
Millstones	12,530	3,196	5,229	2,868	} 6,000	} 4,000
Sharpening stones	50	394	198	192		
Greece—						
Emery	9,783	5,000	6,500	6,000	8,000	(a)
Pumice	12,000 cu.m.	19,500 cu.m.	20,000 cu.m.	12,437 cu.m.	42,000 cu.m.	(a)
Italy—						
Pumice	75,663	101,961	121,927	132,620	(a)	(a)
Millstones	295	—	148	157	(a)	(a)
Sharpening stones	1,845	1,412	1,781	1,417	(a)	(a)
Whetstones	228	335	1,030	786	(a)	(a)
Norway (exports)—						
Millstones, grindstones, etc.	2,371	(a)	(a)	(a)	(a)	(a)
Portugal—						
Tripoli	1,216	1,224	1,034	1,011	972	1,795
Spain—						
Pumice	968	415	1,097	654	546	(a)
Tripoli	7,161	3,854	10,262	7,543	7,121	10,464
Garnet	177	133	125	185	212	(a)
Sweden—						
Grindstones and whetstones	964	517	833	871	835	(a)
Egypt—						
Pumice	443	354	40	394	(a)	(a)
Garnet	85	159	1	18	8	—

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

PRODUCTION OF NATURAL ABRASIVES (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Madagascar—						
Corundum	7	—	—	—	—	—
Garnet	411	510	727	465	11	10
Mozambique—						
Corundum	—	16	—	—	1	1
United States (sales)—						
Emery	4,383	5,312	10,387	9,243	9,430	8,712
Garnet	5,873	8,307	12,545	10,170	9,393	12,663
Pumice	639,948	642,282	669,591	533,075	1,194,827	(a)
Tripoli	22,790	39,036	33,461	31,660	32,306	(a)
Grindstones	3,991	3,960	4,954	3,537	2,231	1,980
Pulpstones	25	29	20	11	—	—
Argentina—						
Corundum	44	(a)	(a)	(a)	(a)	(a)
Turkey—						
Emery	8,771	1,399	7,247	8,110	1,117	4,726

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

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

	1949	1950	1951	1952	1953	1954
Silicon carbide	41,427	39,965	62,752	52,926	47,235	44,929
Fused alumina	101,071	113,324	174,441	135,791	219,310	178,444

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

	1949	1950	1951	1952	1953	1954
Silicon carbide	60,303	58,039	89,730	81,724	55,626	59,796
Aluminium oxide	112,327	125,314	193,151	161,049	217,979	195,811
Metallic abrasives	93,552	128,869	147,445	140,209	143,304	105,443

(U.S. plants only).

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	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Abrasives, natural ..	1,923	1,923	2,674	1,836	1,746	2,327
do. artificial ..	1,702	1,232	1,184	713	642	1,031
Grinding wheels of—						
Artificial corundum, etc.	970	944	1,515	1,442	1,198	1,416
Carborundum ..	1,375	2,034	2,208	1,372	1,050	1,161
Emery ..	341	279	415	265	135	180
Other hard abrasives	901	1,051	1,618	901	412	408
Grindstones and whetstones (b) ..	3,000	2,196	2,049	2,198	1,098	1,565
Other manufactured abrasives ..	411	667	1,136	714	364	355
Nyasaland—						
Corundum ..	79	184	99	46	—	} (d) 2,393
Southern Rhodesia—						
Corundum ..	—	—	—	—	807	
Union of South Africa—						
Corundum ..	1,918	2,917	4,649	3,583	1,829	446
Canada—						
Natural abrasives, including diatomaceous earth ..	7	6	19	17	19	11
Artificial abrasives ..	140,997	167,006	241,259	189,171	270,581	230,485
Artificial abrasive wheels, etc. ..	(£25,599)	(£20,850)	(£20,770)	(£5,898)	(£4,193)	(£4,281)
Grindstones ..	(£5,649)	(£18,095)	(£24,450)	(£7,342)	(£8,202)	(£35,230)
New Zealand—						
Pumice ..	1,419	1,329	1,238	791	803	706
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives ..	460	1,012	691	470	525	765
Grindstones, natural ..	—	28	2	—	1	—
do. artificial ..	359	389	391	447	238	377
Millstones ..	568	413	427	185	133	401
Artificial abrasives ..	(c)	(c)	826	1,580	1,705	1,003
Belgium-Luxemburg						
E. U.—						
Corundum, artificial ..	2	3	11	22	19	26
Millstones and grindstones, natural and artificial ..	478	396	567	362	390	500
Other abrasives ..	175	124	155	3	93	503
Denmark—						
Emery ..	17	16	20	31	7	2
Millstones and grindstones, natural ..	34	239	534	365	176	228
do. artificial ..	166	14	80	54	36	208
Finland—						
Grindstones, etc. ..	629	316	352	149	169	314

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

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

(c) Included with Emery, etc.

(d) Federation of Rhodesia and Nyasaland.

EXPORTS OF ABRASIVES (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France—						
Corundum and emery ..	217	254	271	249	200	309
Pumice	51	59	47	49	32	34
Millstones and grindstones ..	3,013	2,186	3,423	2,196	2,078	1,772
Whetstones	1,753	1,562	105	80	56	56
Carborundum	26	47	33	115	440	765
Corundum, artificial ..	1,428	3,365	5,597	3,495	2,341	3,999
Germany (Federal)—						
Emery	42	205	(b) 170	} 5,159	3,391	6,171
Carborundum, etc. ..	1,692	3,871	(b) 4,744			
Other abrasives	1,065	3,873	(b) 4,422			
Millstones, grindstones, etc. ..	1,162	1,464	4,801	2,799	2,112	2,544
Greece—						
Emery	5,016	8,021	9,917	7,711	5,490	6,621
Pumice	3,881	22,474	9,999	9,690	29,853	16,732
Italy—						
Pumice	20,880	26,781	24,465	21,937	34,129	39,216
Emery and corundum ..	106	8	7	5	2	29
Tripoli	(a)	40	87	51	116	76
Artificial abrasives ..	597	100	292	268	351	420
Netherlands—						
Emery	1,876	2,961	3,030	2,044	1,454	2,265
Norway—						
Emery, etc.	94	195	95	86	122	35
Millstones, grindstones, etc. ..	2,371	(a)	(a)	(a)	(a)	(a)
Whetstones	9	21	20	55	12	31
Other artificial abrasives	289	301	225	225	67	230
Sweden—						
Emery	1	15	4	9	2	4
Other natural abrasives	5	37	5	1	51	1
Carborundum, etc. ..	124	343	440	290	216	219
Millstones, grindstones, etc. ..	549	639	840	704	394	533
Switzerland—						
Carborundum, emery, etc., crude ..	28	52	24	17	39	81
do. do. ground ..	1,912	1,541	2,176	1,652	1,187	1,563
Grindstones	12	29	45	10	1	3
Millstones	25	4	16	—	—	—
Madagascar—						
Garnet	443	559	667	380	115	1
Mozambique—						
Corundum	—	—	32	—	—	(a)
Costa Rica—						
Millstones	(a)	(a)	(a)	(a)	(a)	161
Mexico—						
Pumice	128	3	—	4	48	(a)
Millstones, whetstones, etc. ..	—	5	—	—	—	—
United States—						
Corundum	164	183	177	140	213	135
Emery powder	515	508	686	682	1,013	1,160
Grindstones	628	459	600	353	386	319
Whetstones, etc. ..	40	72	133	83	71	58

(a) Information not available.

(b) January to September only.

EXPORTS OF ABRASIVES (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States (cont.)—						
Other natural abrasives	34,154	36,466	42,019	32,117	49,849	46,736
Aluminium oxide, fused	17,822	14,250	15,185	8,915	8,454	10,103
Silicon carbide ..	5,638	4,815	6,593	6,856	4,704	5,886
Unfused alumina ..	93	113	79	79	232	173
Other crude artificial abrasives	733	43	101	31	22	15
Artificial abrasive wheels	2,375	1,709	2,776	2,017	1,601	1,914
Artificial hones, whetstones, etc. ..	839	902	1,303	974	896	1,269
Turkey—						
Emery and carborundum ..	8,445	8,205	10,717	6,139	3,201	8,458

(a) Information not available.

IMPORTS OF ABRASIVES*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Emery	5,453	6,227	6,926	4,163	3,049	6,986
Garnet concentrates—						
Unground	525	674	1,051	677	336	160
Ground	197	465	252	261	202	402
Other natural abrasives	5,449	6,439	6,707	5,755	4,054	6,201
Aluminium oxide	20,418	23,077	30,226	25,055	12,305	26,173
Carborundum—						
Unground	142	98	10,753	11,491	3,268	11,028
Ground	9,112	9,524				
Grinding wheels of—						
Artificial corundum, etc.	24	14	43	782	36	72
Carborundum	16					
Emery	—					
Other hard abrasives	55					
Grindstones and whetstones	5	13	9	7	2	2
Other manufactured abrasives	3,028	1,625	1,165	439	15	76
Anglo-Egyptian Sudan—						
Grindstones	68	22	22	22	42	(a)
Kenya and Uganda—						
Grindstones, etc.	33	30	28	35	34	31
Mauritius—						
Grindstones, etc.	(£1,537)	(£1,115)	14	43	49	39
Tanganyika—						
Grindstones, wheels, etc.	20	14	13	16	17	14
Union of South Africa—						
Emery	20	20	20	21	26	(a)
Pumice	94	103	70	92	33	(a)
Other abrasives (£S.A.)	(£15,928)	(£26,715)	(£122,594)	(a)	(£56,103)	(a)
Abrasive wheels and discs (£S.A.)	(£147,742)	(£221,133)	(£169,727)	(a)	(£83,625)	(a)
Grindstones, millstones, etc. (£S.A.)	(£2,385)	(£2,719)	(£6,891)	(a)	(a)	(a)
Canada—						
Pumice, etc. (b)	(£28,185)	(£42,067)	(£43,714)	(£40,428)	(£59,823)	(£59,717)
Emery, ground (b)	(£30,940)	(£35,161)	(£54,276)	(£48,874)	(£60,236)	(£73,447)
Artificial abrasives, ground	(£396,744)	(£623,363)	(£686,134)	(£549,546)	(£638,104)	(£568,729)
Buhrstones	(£460)	(£477)	(£424)	(£538)	(£356)	(£353)
Emery and artificial abrasives manufactures	(£29,144)	(£37,833)	(£52,812)	(£62,959)	(£78,204)	(£110,186)
Grindstones and wheels	(£213,555)	(£357,063)	(£554,959)	(£596,337)	(£739,486)	(£699,348)
British West Indies—						
Jamaica—						
Natural abrasives	(£194)	(£345)	(£131)	(£177)	(£422)	63
Grindstones	(£1,081)	(£850)	(£948)	(£3,403)	(£2,756)	7
Trinidad and Tobago—						
Grindstones and wheels	16	22	25	15	21	16
Ceylon—						
Grindstones	(£1,814)	(£7,896)	(£6,774)	(£8,020)	(£8,935)	(£7,959)
Cyprus—						
Grindstones and millstones	(£3,809)	(£3,041)	(£2,176)	(£1,122)	(£2,900)	(£3,841)

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Total imports.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia (b) (c)—						
Emery	213	139	146	210	54	101
Corundum	—	9	26	1,097	2	33
Pumice (£A.)	(£12,946)	(£8,129)	(£8,933)	(£20,042)	(£12,168)	58
Grindstones, etc.	86	91	122	167	73	103
Other natural abrasives	136	479	237	251	129	264
Artificial abrasives	1,459	1,038	2,117	1,858	1,284	2,244
New Zealand—						
Pumice	117	263	212	159	47	75
Corundum, emery, etc.	22	24	27	23	8	67
Grindstones, etc. (£N.Z.)	(£14,740)	(£15,746)	(£21,555)	(£19,703)	(£8,947)	(£13,193)
Irish Republic—						
Grindstones, oilstones, etc.	127	142	145	127	108	119
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	1,121	1,269	786	48	48	218
Artificial abrasives			1,172	908	703	1,956
Pumice, etc.	165	202	764	204	125	175
Grindstones, natural	116	170	169	184	139	139
do. artificial	262	129	137	67	56	79
Millstones	53	91	125	78	83	98
Belgium-Luxemburg						
E.U.—						
Corundum, artificial	746	861	1,129	921	705	935
Millstones and grindstones, natural and artificial	1,146	1,080	1,464	1,207	845	1,081
Silicon carbide	1,040	617	1,150	1,399	918	904
Other abrasives	1,477	4,460	7,892	5,775	12,034	27,273
Denmark—						
Emery, etc.	322	448	610	527	351	487
Pumice	667	242	581	713	1,505	768
Carborundum	301	227	310	202	276	256
Millstones and grindstones, natural	240	415	315	148	208	244
do. artificial	344	330	543	415	344	479
Finland (total imports)—						
Emery, pumice, etc.	446	635	706	414	428	828
Carborundum, etc.	100	78	154	65	52	134
Millstones, etc.	—	15	20	27	16	19
Whetstones, grindstones, etc.	1,787	1,050	1,676	2,207	479	1,418
France—						
Corundum	34	5	15	18	9	18
Emery	820	1,948	2,733	1,714	262	2,507
Pumice	1,325	5,638	8,327	13,275	31,671	44,264
Millstones and grindstones	176	151	846	548	517	680
Whetstones	329	556	172	81	130	131
Carborundum	2,105	2,016	3,012	2,233	1,015	1,044
Corundum, artificial	3,000	532	1,141	754	490	108

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Germany (Federal)—						
Emery	722	2,025	} 8,083	5,932	4,579	7,537
Pumice, etc. .. .	4,256	6,740				
Carborundum, etc. .. .	590	686				
Other abrasives .. .	125	80				
Millstones, grindstones, etc. .. .	234	62	117	432	187	281
Iceland—						
Millstones, etc. . . .	18	19	38	26	29	(a)
Italy—						
Emery and corundum ..	1,110	1,740	910	1,117	1,749	1,142
Tripoli	(a)	(a)	23	58	49	341
Corundum, artificial ..	(a)	(b) 324	1,194	1,057	1,279	1,534
Artificial abrasives ..	2,042	(c) 1,257	(a)	(a)	(a)	(a)
Netherlands—						
Emery	1,821	4,261	4,141	2,886	1,523	3,144
Other natural abrasives	989	888	998	580	1,392	2,005
Millstones and grindstones, natural ..	328	337	432	226	229	248
do. artificial .. .	769	767	1,091	825	822	962
Other artificial abrasives	436	591	1,130	708	693	782
Norway—						
Emery, etc.	782	662	876	410	284	577
Millstones, grindstones, etc.	754	(a)	(a)	(a)	(a)	(a)
Whetstones	—	12	9	2	2	6
Other artificial abrasives	45	58	58	63	64	94
Portugal—						
Emery, etc.	223	221	339	405	213	350
Pumice	40	43	5	199	182	164
Millstones	89	136	228	198	95	121
Spain—						
Emery powder	161	186	15	128	57	(a)
Carborundum	96	135	109	509	328	(a)
Sweden—						
Emery	520	730	947	418	312	494
Pumice	532	178	208	116	138	156
Other natural abrasives	2,426	2,556	3,590	2,293	717	686
Carborundum, etc. ..	1,565	1,784	1,728	1,484	920	1,496
Grindstones, etc. ..	1,065	1,482	2,022	1,879	1,067	1,441
Millstones	923	782	1,410	858	491	1,133
Switzerland—						
Emery, crude	690	458	816	649	232	410
Carborundum, emery, etc., ground	777	915	1,339	1,155	721	865
Millstones	70	54	47	73	40	24
Grindstones	326	297	338	256	206	203
Whetstones	25	16	22	15	18	17
Yugoslavia—						
Corundum, etc. .. .	(a)	668	314	567	1,030	849
Grindstones, artificial ..	(a)	291	163	165	45	148
Algeria—						
Emery, corundum, etc.	9	70	93	16	3	3
Pumice	210	454	68	331	6,284	8,332
Millstones and grindstones	469	378	387	326	283	245

(a) Information not available.

(c) January to June only.

(b) July to December only.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Egypt—						
Emery, pumice, etc.	(b) 5,746	5,912	1,631	1,980	1,882	1,379
Millstones	(b) 64	1	71	19	29	6
Grindstones	(b) 174	196	207	149	94	134
Whetstones	(b) 11	12	14	10	17	41
Morocco (French)—						
Millstones and grindstones	108	59	102	104	107	(a)
Tunis—						
Emery and pumice	12	(a)	414	(a)	(c) 3,121	(c) 5,361
Millstones and grindstones	100	(a)	219	(a)	127	97
Cuba (total imports)—						
Grindstones	326	413	1,214	(a)	(a)	(a)
Mexico—						
Emery and carborundum	1,328	1,324	1,252	1,322	1,256	1,196
Pumice	3	8	8	3	3	4
Millstones and grindstones	228	313	435	453	450	451
United States—						
Corundum, crude	1,797	3,163	4,369	4,081	2,388	989
Emery, crude	1,350	1,541	2,509	(a)	(a)	500
Corundum and emery, ground	2	9	9	11	29	217
Pumice, crude	7,896	17,203	14,064	19,630	29,208	18,706
do. manufactured	675	877	670	427	842	848
Tripoli, etc.	(a)	(a)	10	1,461	332	—
Grindstones	128	265	190	174	6,412	—
Buhrstones, hones, etc.	23	20	26	21	157	(a)
Crude artificial abrasives	115,604	141,204	208,406	164,960	255,862	200,103
Argentina—						
Emery	247	780	(a)	2,972	440	893
Grindstones	121	6	(a)	5	—	26
Oil stones	—	26	(a)	78	—	3
Brazil—						
Millstones, grindstones, etc.	480	(a)	1,451	961	109	901
Other abrasives	166	(a)	706	232	158	436
Chile—						
Emery	7	53	112	25	(a)	(a)
Corundum	2	—	2	2	(a)	(a)
Grindstones, natural	149	103	29	95	120	69
Colombia—						
Emery and pumice	66	51	65	37	42	43
Millstones and grindstones	(a)	(a)	82	53	80	82
Peru—						
Emery and pumice	21	10	35	27	28	38
Millstones, grindstones, etc.	91	66	94	77	86	69
Venezuela—						
Emery and pumice	145	35	(a)	40	43	(a)
Indonesia—						
Emery	(a)	190	181	28	72	62
Other natural abrasives	(a)	112	120	138	81	95
Iran—						
Emery, etc.	11	17	42	12	(a)	(a)
Iraq—						
Emery, pumice, etc.	5	46	3	2	(a)	(a)
Grindstones, whetstones, etc.	24	24	45	16	(a)	(a)

(a) Information not available.

(b) Total imports.

(c) Pumice only.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Japan—						
Emery, corundum, etc.	(a)	(a)	9	248	493	114
Grindstones, natural, etc.	(a)	28	14	4	7	11
Other natural abrasives	(a)	(a)	10	29	—	8
Artificial abrasives . .	(a)	(a)	(a)	(b) 575	700	469
Lebanon—						
Emery	(c)	1	3	(a)	(a)	(a)
Pumice	(c)	7	29	(a)	(a)	(a)
Philippine Republic—						
Pumice	3	6	9	6	1	1
Syria—						
Emery	(d)	5	23	(a)	(a)	(a)
Pumice	(d)	8	123	(a)	(a)	(a)
Turkey—						
Emery and carborundum, crude	9	14	—	—	—	1
Millstones and grindstones	345	344	1,025	710	357	222
Whetstones, etc.	4	12	42	4	10	—
Grinding powder	68	72	17	1	10	—

(a) Information not available.

(c) Included with Syria.

(b) Including natural grindstones.

(d) Including Lebanon.

ALUMINIUM
(Including Bauxite and Cryolite)
PRODUCTION OF BAUXITE
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gold Coast (b)	145,013	114,948	129,328	74,368	115,075	163,516
Jamaica	—	—	—	410,720	1,154,172	(d) 2,400,000
British Guiana (c)	1,796,409	1,642,036	2,087,079	2,387,938	2,257,747	2,304,464
India	42,541	64,399	67,047	63,505	70,848	74,747
Malaya	—	—	—	21,796	152,170	165,621
Australia	5,292	3,467	5,084	7,235	4,052	5,487
TOTAL	1,989,000	1,825,000	2,288,500	2,965,560	3,754,064	5,114,000
FOREIGN COUNTRIES						
Austria	6,452	2,960	8,877	14,940	17,932	16,993
France	772,918	795,083	1,127,425	1,097,270	1,146,800	1,254,700
Germany (Federal)	2,400	4,100	5,243	5,851	5,163	2,293
Greece	44,813	76,225	161,072	280,413	323,057	(d) 350,000
Hungary (d)	552,000	640,000	(e) 660,000	(e) 670,000	(e) 800,000	820,000
Italy	103,196	150,961	171,266	282,346	245,015	290,422
Spain	11,773	11,994	10,414	11,512	5,106	4,807
U.S.S.R. (d)	600,000	700,000	800,000	900,000	1,000,000	1,025,000
Yugoslavia	340,489	197,719	446,197	568,080	455,007	669,848
French West Africa	10,200	13,660	—	108,017	322,957	435,167
Mozambique	2,247	4,268	4,187	2,449	3,058	2,397
United States (f)	1,148,792	1,334,527	1,848,676	1,667,047	1,579,739	2,005,927
Brazil	15,957	18,277	18,731	14,093	18,524	(d) 20,000
Dutch Guiana	2,095,205	2,013,058	2,657,347	3,172,833	3,224,617	3,367,137
Indonesia	667,428	522,754	632,172	338,325	147,190	163,110
TOTAL (d)	6,270,000	6,500,000	8,500,000	9,300,000	(e) 9,300,000	10,430,000
WORLD'S TOTAL (d)	8,260,000	8,300,000	10,800,000	12,300,000	e 13,050,000	15,540,000

Bauxite is known to have been produced in Roumania and China.

(a) Information not available.

(b) Exports.

(c) Dried bauxite equivalent. Shipments of dried and calcined ore were as follows (long tons):—

	1949	1950	1951	1952	1953	1954
Metallurgical	1,598,350	1,432,369	1,829,828	2,102,109	1,816,983	1,937,171
Chemical	38,906	68,385	71,151	30,843	52,090	35,285
Refractory	17,748	17,362	31,068	49,312	103,487	115,284
Abrasive	101,189	64,513	70,687	103,681	141,635	91,125

Exports of calcined ore are shown on page 13.

(d) Estimated.

(e) Revised.

(f) Dried bauxite equivalent.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1949	44,623
1950	44,046
1951	62,159
1952	71,959
1953	44,419
1954	52,687

PRODUCTION OF ALUMINIUM
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) ..	30,345	29,468	27,725	28,006	30,916	31,603
Canada	329,880	354,359	399,192	446,212	489,683	498,122
India	3,492	3,596	3,848	3,566	3,759	4,886
TOTAL	363,717	387,423	430,765	477,784	524,358	543,611
FOREIGN COUNTRIES						
Austria	14,563	17,706	25,965	36,128	42,788	47,248
France	53,091	59,761	89,665	104,452	111,278	118,164
Germany (Federal) (c) ..	28,593	27,398	72,963	98,887	105,251	127,178
Hungary	14,000	(a)	26,200	30,370	(d) 30,000	(d) 28,000
Italy	25,467	33,691	45,398	51,996	54,586	56,671
Norway	35,113	46,313	51,283	52,014	55,310	60,343
Spain	1,193	2,132	4,092	4,046	4,306	4,606
Sweden	3,867	3,974	6,608	8,115	9,496	10,444
Switzerland	20,668	18,900	27,000	27,000	29,000	25,600
U.S.S.R. (d)	160,000	190,000	210,000	240,000	280,000	310,000
Yugoslavia	2,454	1,901	2,783	2,523	2,748	3,441
United States (e)	538,805	641,627	747,215	836,902	1,117,869	1,304,076
Brazil	—	—	396	1,068	1,180	1,439
Formosa	1,291	1,793	2,937	3,795	4,837	7,018
Japan	20,883	24,377	36,329	41,986	44,775	52,273
TOTAL	920,000	1,080,000	1,350,000	1,540,000	1,900,000	2,160,000
WORLD'S TOTAL .. .	1,284,000	1,467,000	1,781,000	2,018,000	2,424,000	2,695,000

Aluminium is known to be produced in other eastern European countries.

(a) Information not available.

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

1949	75,228 long tons
1950	86,372 " "
1951	87,029 " "
1952	93,248 " "
1953	89,999 " "
1954	103,354 " "

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

1949	35,656 long tons
1950	47,855 " "
1951	45,460 " "
1952	41,497 " "
1953	40,246 " "
1954	57,397 " "

(d) Estimated.

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

1949	161,395 long tons
1950	217,559 " "
1951	261,257 " "
1952	271,895 " "
1953	329,077 " "
1954	281,000 " "

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Alumina	4,087	13,479	17,924	4,787	15,788	10,497
Ingots, etc., including alloyed	5,689	5,429	2,053	1,757	11,357	4,033
Bars, sheets, tubes and wire	31,817	22,170	16,807	12,705	12,974	16,241
do. alloyed	21,334	17,749	20,751	19,677	30,285	19,047
Foil incl. alloyed	2,941	3,605	3,848	2,992	2,748	3,688
Scrap, including alloyed	—	342	—	3	150	304
Aluminium sulphates	37,568	38,350	33,025	31,921	29,542	35,752
Gold Coast—						
Bauxite	145,013	114,948	129,328	74,368	115,075	163,516
Southern Rhodesia—						
Ingots, blocks and rods	45	49	25	23	41	(a)
Union of South Africa—						
Aluminium sulphates	574	628	922	(a)	(a)	(a)
Canada—						
Blocks, bars and ingots	265,095	299,755	316,441	368,383	410,439	418,298
Sheets, rods, etc.	9,443	10,219	13,218	21,087	15,515	15,577
Scrap	3,914	4,146	3,528	3,119	12,012	12,431
Foil	795	636	1,440	1,126	437	491
Jamaica—						
Bauxite	2	—	—	239,978	1,054,978	1,998,131
Alumina	—	—	—	225	28,731	124,116
British Guiana—						
Bauxite, dried	1,682,389	1,502,142	1,905,691	2,140,456	1,870,562	1,916,200
do. calcined	75,261	81,275	97,053	145,510	244,900	209,335
Hong Kong (re-exports)—						
Unwrought	(a)	(a)	(a)	17	—	3
Scrap	(a)	(a)	(a)	11	6	108
Plates and sheets	(a)	(a)	(a)	4	—	20
Foil	(a)	(a)	(a)	—	198	41
India—						
Bauxite	948	344	808	4,036	2,807	3,022
Malaya (including re-exports)—						
Bauxite	—	15,891	20,660	26,984	136,161	167,290
Unwrought, including alloyed					2	26
Plates sheets and alloyed	266	187	413	462	371	269
Bars, rods, wire, foil, incl. alloyed					15	11
Aluminium sulphates	1,386	2,164	3,137	928	731	1,051
Australia—						
Bauxite	176	102	—	—	51	26
Pigs, ingots, etc.	6	—	—	489	659	—
Scrap	3	102	—	31	680	450
Aluminium sulphates	74	106	53	37	(b) 18	(b) 49
FOREIGN COUNTRIES						
Austria—						
Bauxite	(a)	—	2,963	9,313	8,559	9,237
Crude, including alloys	9,389	13,400	6,968	10,591	25,823	20,911
Scrap	1,212	648	853	644	2,309	2,125
Sheets, rods, wire, foil, etc.	7	49	3,152	2,894	4,043	6,353

(a) Information not available.

(b) Years ended June 30 of that stated.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Alumina and hydrates..	59	—	—	38	4	3
Crude	3,640	3,287	356	762	521	1,661
Scrap	370	733	166	124	200	257
Sheets, wire, etc. ..	516	1,475	4,338	3,567	3,060	3,849
Aluminium sulphates ..	7,473	7,262	25,042	9,587	16,275	22,692
Denmark—						
Refined cryolite ..	18,697	23,962	28,063	27,279	22,827	19,505
Crude	272	235	22	288	85	19
Scrap	306	48	10	134	505	292
Sheets, wire and foil ..	37	232	383	339	305	59
France—						
Bauxite	187,751	257,726	359,976	333,219	272,540	312,748
Cryolite	10	—	1	20	7	—
Alumina	56,407	67,320	70,034	63,620	61,703	72,256
Aluminium hydrates ..	5,950	5,405	8,336	278	4,466	7,223
Ingots	8,666	16,507	8,771	8,959	38,018	16,435
Scrap	27	42	27	11	13	63
Sheets, wire, etc. ..	3,456	3,104	3,812	1,988	2,746	2,704
Powder	(a)	(a)	148	384	81	98
Aluminium sulphates ..	4,783	7,466	11,848	4,074	9,355	9,428
Germany—						
Bauxite and cryolite ..	—	1,059	20	49	11	315
Alumina	(a)	(a)	(d) 11,586	49,389	62,478	90,642
Aluminium hydrates ..	(a)	(a)	(b) 7,501	4,623	9,508	14,169
Crude and alloys ..	15,743	33,797	} 6,025	7,251	25,019	12,102
Scrap	2,097	712				
Sheets, wire, castings etc.	554	8,840	10,064	2,652	1,764	1,785
Foil	185	2,024	4,887	4,706	5,370	6,189
Aluminium sulphates ..	(c) 4,315	(c) 29,335	(b)(c) 16,258	(e) 13,562	23,546	27,721
Greece—						
Bauxite	39,772	64,117	177,312	296,269	309,447	337,653
Italy—						
Bauxite	—	—	1	1,045	—	—
Alumina	13,591	10,999	35,923	24,532	32,220	27,283
Aluminium hydrates ..	2	35	2	—	1	5
Crude, scrap and alloyed ..	5,005	3,090	6,959	4,422	3,082	11,733
Aluminium sulphates ..	583	624	4,585	6,921	3,562	4,595
Netherlands—						
Crude and alloys ..	587	169	218	321	537	427
Scrap	1,371	2,836	1,186	2,677	2,311	1,778
Foil	28	42	21	62	93	103
Norway—						
Alumina	354	6	1	32	—	31
Crude	21,585	39,714	41,220	34,501	47,811	45,657
Scrap	292	562	405	426	225	(a)
Bars	995	1,390	1,963	1,578	1,275	(a)
Spain—						
Powder	200	203	84	82	—	—
Sweden—						
Alumina	893	98	—	8	—	—
Crude	2	5	273	158	159	2,646
Sheets and strips ..	5	847	262	62	216	585
Scrap	100	292	230	795	1,873	702
Aluminium sulphates ..	7,976	11,254	9,037	8,381	6,562	7,937

(a) Information not available.

(b) January to September only.

(c) Including refined bauxite.

(d) October to December only.

(e) April to December only.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Alumina	1,720	311	—	127	37	—
Blocks, ingots, etc. and scrap	6,360	9,412	2,208	3,365	8,324	7,659
do. (alloys)	1,108	2,436	1,316	1,769	2,270	2,363
Bars, sheets, tubes and wire	3,053	1,547	4,002	3,114	3,753	2,412
do. (alloys)	1,313	1,561	1,859	2,304	3,015	2,636
Yugoslavia—						
Bauxite	(a)	150,576	441,421	603,039	458,178	553,219
Alumina	(a)	(a)	(a)	1,465	2,725	4,329
Scrap	(a)	62	162	675	1,292	844
Algeria—						
Ingots	337	11	72	26	—	—
Scrap	240	249	619	218	261	158
French West Africa—						
Bauxite	—	9,965	—	58,186	369,766	460,608
Mozambique—						
Bauxite	846	3,705	3,021	2,175	2,131	(a)
Greenland—						
Cryolite	44,623	44,046	62,159	71,959	44,419	52,687
United States—						
Bauxite, etc.	34,902	45,209	85,565	41,329	27,907	16,174
Cryolite	323	1,850	1,426	74	117	77
Ingots and alloys	7,159	591	857	1,239	2,121	3,611
Scrap	354	713	5,607	917	4,090	35,123
Plates, sheets, bars, etc.	25,682	17,698	9,816	7,006	6,932	5,402
Foil	1,305	743	142	136	229	211
Aluminium sulphates	13,131	11,615	17,737	17,628	12,833	12,950
Brazil—						
Bauxite	9,891	11,850	8,709	98	591	118
Dutch Guiana—						
Bauxite	2,095,205	2,050,661	2,630,109	3,102,757	3,224,617	3,367,137
Formosa—						
Ingots	(a)	(a)	(a)	787	(a)	(a)
Indonesia—						
Bauxite	670,339	540,853	601,824	216,575	159,918	242,882
Japan—						
Cryolite	(a)	(a)	(a)	(a)	(a)	447
Ingots, etc.		22,152	7,144	6,597	9,465	8,294
Bars, rods, plates, tubes and wire	(a)	4,353	6,113	6,329	2,834	5,620
Scrap		307	20	170	—	—
Aluminium sulphates		889	1,463	840	1,933	3,934

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Bauxite	326,603	198,607	345,447	282,626	268,764	370,372
Cryolite	2,590	3,403	3,630	3,270	2,262	3,766
Alumina	—	6	146	4	3	14
Ingots, etc. .. .	} 165,397	{ 141,205	175,626	237,131	178,799	190,597
do. alloyed .. .			4	1,641	206	9	29
Bars, sheets, tubes, etc., including alloyed ..	30	150	1,513	2,192	108	180
Foil and alloyed ..	146	185	921	648	228	458
Scrap, including alloyed ..	1,810	836	990	1,307	526	299
Gold Coast—						
Sheets	(a)	(a)	(a)	(a)	(a)	693
Kenya—						
Unwrought and scrap	(b) 204	(b) 149	(b) 56	191	59	397
Bars, sheets, rods, etc.	1,669	826	1,295	901	1,079	2,355
Mauritius—						
Bars, sheets, wire etc.	(a)	(a)	16	55	87	35
Nigeria						
Sheets	(a)	(a)	(a)	(a)	(a)	1,083
Northern Rhodesia—						
Ingots, bars and sheets	629	275	230	469	374	(c)
Southern Rhodesia—						
Ingots, bars and sheets	372	198	233	221	5	(d) 203
Foil	13	28	31	25	31	(d) 45
South West Africa—						
Ingots, bars, sheets, etc.	138	30	34	45	17	(a)
Tanganyika—						
Bars, sheets, rods, etc.	962	627	553	420	369	488
Uganda—						
Bars, sheets, rods, etc.	574	433	1,222	944	1,281	896
Union of South Africa—						
Ingots, blocks, and pigs	387	1,211	1,945	2,124	2,477	3,702
Sheet, wire, foil, etc. ..	1,883	1,125	1,515	1,267	338	(a)
Aluminium sulphates ..	457	114	2,239	1,060	37	(a)
Barbados—						
Sheets	(£6,308)	(£10,636)	(£4,216)	(£14,317)	(£345)	(£13,788)
Canada—						
Bauxite (e)	1,600,572	1,662,167	2,144,428	2,191,847	2,400,415	2,638,767
Cryolite	1,364	3,334	5,818	2,005	75	3,977
Alumina	182	214	245	287	269	5,964
Ingots, rods, sheets, etc.	3,189	1,965	4,859	3,367	5,789	3,587
Scrap	51	379	40	459	111	85
Leaf and foil	(£36,311)	(£43,122)	(£61,509)	(£68,501)	(£135,113)	(£113,473)
Aluminium sulphates ..	3,744	3,518	7,989	9,262	13,513	15,923
Trinidad and Tobago—						
Aluminium sulphates ..	1,128	460	833	411	147	118
British Guiana—						
Sheets	335	(a)	148	377	(a)	478
Ceylon—						
Sheets	(a)	(a)	(a)	(a)	132	182
Foil	433	593	475	196	352	591
Hong Kong (total imports)—						
Unwrought	(a)	(a)	(a)	104	727	644
Scrap	(a)	(a)	(a)	27	49	12
Plates, sheets, and wire	(a)	(a)	(a)	575	715	736
Foil	(a)	(a)	(a)	(a)	411	175

- (a) Information not available.
- (b) Excess of re-exports.
- (c) See under Southern Rhodesia.
- (d) Federation of Rhodesia and Nyasaland.
- (e) May include some alumina.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES (cont.)						
India—						
Ingots, blocks, bars, etc.	—	1,836	3,189	1,523	617	1,871
Sheets, circles and tubes	7,873	3,691	3,349	1,745	658	1,292
Aluminium sulphates ..	575	1,433	1,522	121	742	281
Malaya (total imports)—						
Unwrought, including alloyed					9	2
Plates and sheets, alloyed	2,547	3,195	6,475	4,528	1,733	2,352
Bars, rods, pipes, tubes and wire, alloyed ..						
Foil, alloyed ..						
Aluminium sulphates ..	1,628	3,451	5,383	1,180	1,564	1,816
Pakistan (c)—						
Ingots, blocks, bars, etc.	(a)	(a)	123	(a)	1,818	598
Sheets and circles ..	(a)	(a)	1,595	2,073	351	530
Aluminium sulphates ..	(a)	(a)	2,524	985	1,272	2,295
Sarawak—						
Bars, sheets, wire etc.	8	17	28	72	115	195
Aluminium sulphates ..	15	14	26	5	25	36
Australia—						
Bauxite	—	6	98	—	—	—
Cryolite	17	(b) 34	62	2,038	138	(b) 161
Pigs, ingots and blocks	7,185	5,916	11,389	7,899	7,524	10,421
Scrap	3	—	140	462	2	5
Sheets, wire, rods, etc.	3,847	3,139	3,588	3,682	1,890	1,908
Pipes and tubes ..	69	422	423	228	163	245
Foil (b)	450	653	1,092	1,485	706	1,319
Aluminium sulphates ..	36	464	452	102	(b) 40	(b) 45
New Zealand—						
Ingots, etc.	248	249	173	141	458	568
Bars, sheets, tubes, etc. do. (alloyed) ..	2,952	3,504	2,514	3,850	803	1,043
Wire, including alloyed	462	395	329	711	433	412
Leaf and foil	15	148	49	57	49	57
Aluminium sulphates ..	128	207	221	357	165	266
	627	665	129	635	677	1,164
Irish Republic—						
Ingots and sheets, etc. .	1,101	933	621	2,110	1,105	2,377
Foil	123	186	207	246	464	520
Aluminium sulphates ..	1,614	2,175	3,137	2,239	2,313	3,329
FOREIGN COUNTRIES						
Austria—						
Bauxite	2,933	4,972	7,719	5,870	1,011	7,167
Cryolite	1,434	2,005	1,800	1,983	1,787	1,391
Alumina, crude (d) ..	43,043	38,113	37,790	55,209	33,697	43,030
do. calcined	28,803	39,822	48,977	69,362	80,601	104,476
Aluminium hydrates ..	33	1,067	1,585	1,570	2,382	2,750
Crude, scrap and alloys	66	13	45	86	80	56
Sheets, rods, wires, etc.	889	1,178	1,272	263	11	46
Aluminium sulphates ..	4,656	2,339	133	60	90	119
Belgium-Luxemburg						
E. U.—						
Bauxite	574	890	2,192	1,514	1,448	1,204
Alumina	522	124	1,245	88	149	918
Aluminium hydrates ..	4,220	4,329	12,702	1,938	8,022	10,035
Crude	7,448	8,545	14,148	13,048	12,309	17,656
Scrap	847	2,028	852	685	560	463
Bars, sheets, wire, foil, etc.	1,463	1,646	1,753	717	1,238	1,742
Aluminium sulphates ..	755	1,174	1,158	1,011	901	1,282

(a) Information not available.

(b) Years ended June 30 of that stated.

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

(d) May include other clays.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Denmark—						
Crude cryolite	27,153	25,484	30,664	40,029	27,602	41,037
Crude	2,975	3,063	3,138	3,565	2,931	2,909
Scrap	27	155	62	261	228	236
Bars, sheets, plates and wire	1,412	1,914	3,042	1,933	1,164	1,458
Leaf	145	305	405	388	484	477
Aluminium sulphates ..	2,596	3,304	3,494	2,706	2,794	3,292
Finland (total imports)—						
Alumina	24	25	17	27	58	37
Crude	522	630	1,579	1,485	1,606	1,128
Bars and sheets	1,446	1,358	2,110	2,310	2,422	3,657
Aluminium sulphates ..	7,195	8,154	16,003	8,326	11,150	18,023
France—						
Bauxite	94	69	89	2,494	3,623	11,847
Cryolite	787	1,243	1,679	2,902	1,768	1,209
Alumina	—	50	96	107	2	2
Aluminium hydrates ..	63	1	77	12	27	8
Ingots	5,268	786	1,438	3,721	345	1,565
Scrap	500	267	934	700	115	236
Sheets, bars and wire ..	4	13	113	194	111	100
Aluminium sulphates ..	10	521	12	5	—	—
Germany (Federal)—						
Bauxite	96,375	210,779	610,212	1,020,673	867,328	1,024,648
Cryolite	(a)	(a)	(a)	5,199	2,362	3,023
Crude and alloys	15,500	4,973	11,364	9,537	22,066	53,436
Scrap	2,099	1,074				
Sheets, wire, castings, etc.	12	39	308	47	37	179
Aluminium sulphates ..	(b) 29	(b) 13	(a)	14	—	—
Greece—						
Aluminium	962	2,581	1,268	1,171	756	1,285
Foil	410	515	147	63	116	175
Aluminium sulphates ..	329	166	55	3	295	370
Iceland—						
Aluminium sulphates ..	5	3	1	1	(a)	(a)
Italy—						
Bauxite	83,212	81,246	86,776	192,313	93,922	100,453
Cryolite	(a)	(c) 614	2,070	2,851	2,505	1,330
Alumina	96	21	27	11	46	49
Crude, scrap and alloys ..	7,241	19,487	6,497	6,415	15,465	16,915
Aluminium sulphates ..	39	490	59	74	330	301
Netherlands—						
Bauxite	297	298	266	443	104	101
Cryolite	(a)	430	420	108	81	163
Crude and alloys	3,925	4,331	5,781	6,665	6,114	8,280
Foil	378	1,203	1,139	756	1,116	1,344
Aluminium sulphates ..	7,191	8,376	9,355	7,219	8,958	10,162
Norway—						
Bauxite	24,087	36,570	19,832	40,747	26,239	31,557
Cryolite	2,578	3,177	2,928	5,491	5,371	2,482
Alumina	64,216	79,732	74,462	71,359	76,670	121,138
Crude	472	998	1,667	1,561	2,250	1,061
Bars, sheets, etc.	692	434	874	1,210	612	1,118
Aluminium sulphates ..	6,942	7,707	8,367	7,018	6,369	8,196

(a) Information not available.

(b) Including refined bauxite.

(c) July to December only.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Portugal—						
Cryolite	19	28	36	—	8	16
Powder	96	74	104	107	104	99
Ingots, sheets and wire	1,204	1,620	1,245	1,242	1,294	1,912
Aluminium sulphates ..	501	835	993	648	916	1,426
Spain—						
Bauxite	—	—	—	—	5,759	11,083
Alumina	1,931	4,854	8,693	10,711	8,728	(a)
Ingots and scrap	2,786	1,634	1,449	864	2,784	(a)
Sheets, tubes and wire ..	26	18	257	184	537	(a)
Powder	322	564	1,873	3,441	15	(a)
Sweden—						
Bauxite	17,357	9,299	7,240	8,690	16,597	23,798
Cryolite (including artificial)	713	901	735	923	769	1,379
Alumina	7,506	12,454	21,012	13,718	17,572	16,222
Crude	13,149	8,228	11,503	14,880	14,448	15,165
Scrap	720	428	333	257	216	103
Sheets, tubes and wire	3,067	1,582	3,677	3,651	1,970	4,782
Aluminium sulphates ..	637	113	772	2,807	66	1,002
Switzerland—						
Alumina, etc.	46,844	40,118	54,679	60,242	54,966	58,281
Blocks, ingots, etc., and scrap	8,918	2,702	5,039	4,870	3,306	8,714
do. (alloyed)	39	87	159	95	73	610
Bars, sheets, tubes and wire	6	116	344	210	95	92
do. (alloyed)	9	45	61	96	24	91
Aluminium sulphates ..	134	401	273	178	136	204
Yugoslavia—						
Cryolite	(a)	(a)	(a)	(a)	257	1,383
Crude	(a)	64	—	71	(a)	571
Sheets, tubes, wire, etc.	(a)	1,071	598	1,476	262	244
Algeria—						
Bauxite	199	22	521	2,980	6,889	1,968
Ingots, sheets, wire, etc.	284	824	856	446	610	1,094
Aluminium sulphates ..	148	368	330	387	731	850
Belgian Congo—						
Cryolite	(a)	(a)	(a)	(a)	22	10
Alumina	(a)	(a)	(a)	(a)	103	30
Ingots, bars, etc.	(a)	965	1,362	(a)	(a)	(a)
Aluminium sulphates ..	(a)	405	1,075	1,319	1,064	578
Egypt—						
Crude and scrap	(b) 1,450	(b) 94	5	45	12	12
Bars, sheets, tubes and wire	411	427	536	581	732	941
Foil	211	172	531	168	134	262
Aluminium sulphates ..	5,609	6,447	12,870	7,947	7,557	(a)
Mozambique—						
Bars, sheets, wire	222	155	52	35	28	(a)
Tunis—						
Ingots and scrap	4	(a)	90	(a)	76	10
Aluminium sulphates ..	91	(a)	79	(a)	88	86
Costa Rica—						
Bars, sheets, foil, etc. ..	89	34	(a)	(a)	68	(a)
Cuba (total imports)—						
Ingots and bars	238	392	352	(a)	(a)	(a)
Aluminium sulphates ..	1,522	2,161	4,757	(a)	(a)	(a)

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Guatemala—						
Aluminium sulphates ..	639	1,472	856	547	(a)	(a)
Mexico—						
Alumina	705	1,275	1,334	1,937	1,257	1,397
Ingots	2,350	2,550	3,308	1,974	4,969	4,514
Bars, sheets and wire ..	1,848	2,272	3,025	1,595	1,443	1,405
Foil	106	89	100	28	61	74
United States—						
Bauxite, crude	2,688,164	2,476,686	2,829,929	3,508,146	4,388,623	5,291,862
do. calcined	157	194	18,642	29,212	91,606	99,931
Cryolite	18,309	15,298	34,688	34,262	26,301	18,876
Crude and alloys	69,056	157,838	109,289	114,494	268,685	192,188
Scrap	35,822	60,678	17,865	6,248	23,769	13,254
Sheets, bars, etc.	7,021	9,781	17,324	13,846	28,510	12,192
Foil (b)	176	265	724	848	812	819
Aluminium sulphates ..	1,313	2,763	4,627	6,588	1,801	3,516
Argentina—						
Bauxite	14,705	11,682	(a)	12,220	—	1
Ingots and sheets	7,064	12,717	5,541	2,543	3,600	15,893
Aluminium sulphates ..	347	1,173	(a)	715	75	612
Brazil (total imports)—						
Cryolite	107	(a)	805	246	105	734
Ingots	9,001	6,739	10,719	5,827	7,275	14,955
Bars, sheets and wire .. }	2,916	3,707	3,627	3,933	1,926	
Scrap	328	(a)	(a)	(a)	—	—
Aluminium sulphates ..	1,968	3,184	6,788	4,691	3,735	6,701
Chile—						
Ingots	218	174	245	345	(a)	(a)
Scrap	—	17	71	32	(a)	(a)
Bars and sheets	953	453	406	391	360	563
Aluminium sulphates ..	47	65	54	99	(a)	(a)
Colombia—						
Ingots, bars, sheets, etc. (a)	(a)	(a)	551	546	1,028	1,535
Aluminium sulphates ..	2,775	4,647	3,598	4,701	3,377	6,294
Ecuador—						
Sheets, etc.	83	122	(a)	(a)	(a)	(a)
Aluminium sulphates ..	21	37	(a)	(a)	(a)	(a)
Peru—						
Ingots, scrap and alloys	5	3	10	2	9	54
Aluminium sulphates ..	1,007	928	1,559	1,603	2,456	2,495
Uruguay—						
Bauxite	1,998	—	984	—	—	(a)
Ingots, sheets, etc. ..	320	1,669	2,815	734	290	(a)
Aluminium sulphates ..	2,467	3,184	3,960	2,477	4,116	(a)
Venezuela—						
Crude	28	89	(a)	84	22	(a)
Aluminium sulphates ..	1,487	894	1,845	998	1,128	(a)
Formosa—						
Bauxite	(a)	(a)	(a)	22,706	9,224	44,681
Iran (c)—						
Ingots, sheets, scrap, etc. (a)	(a)	(a)	251	223	(a)	(a)
Aluminium sulphates .. (a)	(a)	(a)	9	34	(a)	(a)
Iraq—						
Bars, sheets, wire, etc. ..	405	532	442	467	(a)	(a)
Aluminium sulphates ..	388	858	562	1,066	(a)	(a)
Israel—						
Ingots and sheets	2,777	6,832	1,800	1,917	589	877
Foil	69	81	24	76	94	137

(a) Information not available.

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

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

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Japan—						
Bauxite	86,594	106,515	329,095	112,864	243,450	289,516
Cryolite	(a)	(a)	(a)	(a)	(a)	901
Ingots, blocks, etc. ..	(a)	—	—	—	727	1,354
Scrap	(a)	1,116	394	246	3,965	3,285
Philippine Republic—						
Foil	470	648	1,102	315	280	470
Aluminium sulphates ..	1,667	1,402	295	889	1,118	3,148
Syria and Lebanon—						
Aluminium sulphates ..	156	(a)	(a)	(a)	(a)	(a)
Turkey—						
Bars, sheets, wire and alloys	173	275	1,490	601	2,665	1,724
Aluminium sulphates ..	1,215	1,353	1,927	1,958	1,898	2,117

(a) Information not available.

ANTIMONY
PRODUCTION OF ANTIMONY ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia ..	42	25	78	131	30	67
Union of South Africa ..	4,290	8,179	15,607	7,097	2,687	8,522
Canada (b)	—	—	—	—	—	—
Sarawak	1	2	—	—	—	—
Australia (c)	195	226	413	239	213	117
New Zealand (e)	2	—	—	6	12	—
FOREIGN COUNTRIES						
Austria	371	402	490	383	485	383
Czechoslovakia (f) .. (a)	2,000	2,000	1,600	1,600	1,600	(a)
France	333	406	601	544	310	—
Greece (e)	90	600	680	330	600	500
Italy	495	661	781	767	392	283
Portugal	21	15	19	139	1	9
Spain	270	210	174	272	232	179
Yugoslavia	2,745	3,154	1,942	2,202	(e) 1,810	(g) 1,527
Algeria	1,376	1,230	1,440	1,299	1,783	2,260
Morocco (French) ..	611	695	942	827	57	383
Morocco (Spanish) ..	153	284	201	407	292	285
Honduras (a)	(a)	(a)	(a)	—	—	—
Mexico	5,662	5,776	6,717	5,444	4,219	4,116
United States (d) ..	1,461	2,229	3,100	1,929	330	682
Argentina (a)	50	(a)	(a)	(a)	(a)	(a)
Bolivia (exports) ..	10,113	8,630	11,629	9,651	5,693	5,136
Peru (h)	728	2,238	2,575	2,116	948	833
Burma	70	6	165	90	116	—
China (f)	4,000	6,000	8,000	8,000	8,000	8,000
Japan	184	158	220	206	316	261
Siam	229	85	64	69	45	69
Turkey	570	1,585	2,664	1,138	849	878
TOTAL*	37,000	44,800	61,500	45,200	31,000	36,000

*Excluding antimony ore known to have been produced in U.S.S.R., Afghanistan and Iran.

(a) Information not available.

(b) The following figures represent the antimony content of antimonial lead (long tons): 1949—71; 1950—287; 1951—2,992 (including antimony in flue dust produced in previous years); 1952—1,041; 1953—664; 1954—581.

(c) In addition the antimony content of antimonial slag obtained as a by-product of lead refining, was as follows (long tons): 1949—265; 1950—288; 1951—333; 1952—502; 1953—578; 1954—624.

(d) Secondary metal was recovered as follows (long tons): 1949—16,126; 1950—19,520; 1951—21,378; 1952—20,615; 1953—19,600; 1954—19,962.

(e) Estimated.

(f) United States Bureau of Mines' estimate.

(g) Metal.

(h) Including production from anode residues in 1950, 1951 and 1952.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom— Regulus and refined ..	807	1,595	1,220	1,243	1,049	1,591
Southern Rhodesia— Ore	76	87	164	89	28	536
Union of South Africa— Ore	6,975	12,009	22,356	9,381	7,786	14,386
Canada— Antimonial lead (Sb content) ..	1	256	204	368	167	311
Hong Kong (re-exports)— Crude and regulus ..	1,491	1,816	7	—	1	1
Sarawak— Ore	2	5	—	—	—	—
Australia— Ore and concentrates ..	(b) 59	(b) 53	—	36	139	(c) —
FOREIGN COUNTRIES						
Austria— Ore	496	558	307	406	709	602
Belgium-Luxemburg E.U.— Regulus	1,419	2,394	2,321	1,068	(a) 683	(a) 872
Oxide	257	637	759	418	—	—
Denmark— Regulus	10	10	—	—	—	—
France— Ore	5	136	8	3	11	1
Crude and regulus ..	48	238	433	131	722	298
Oxide	18	53	214	4	37	14
Germany (Federal)— Ore, including arsenical ores	20	232	(a) —	—	—	—
Regulus, scrap, etc. ..	—	10	—	—	2	67
Oxide	14	193	333	20	151	156
Greece— Ore	(a)	(a)	59	196	(a)	(a)
Italy— Regulus	99	—	173	—	—	—
Netherlands— Regulus and scrap ..	6	6	3	2	31	7
Portugal— Ore	59	21	24	36	—	—
Spain— Regulus	—	46	59	—	—	(a)
Sweden— Crude	28	29	33	25	42	48
Regulus	2	6	—	8	—	14
Yugoslavia— Regulus	1,502	1,630	1,097	1,101	1,214	1,182
Waste	(a)	—	1,798	1,033	(a)	(a)

(a) Information not available.

(c) January to June only.

(b) Years ended June 30 of that stated.

EXPORTS OF ANTIMONY, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Algeria—						
Ore	3,116	2,965	3,030	3,431	5,895	5,019
Morocco (French)—						
Ore	794	1,279	1,831	883	195	723
Regulus	—	(a)	(a)	22	—	(a)
Morocco (Spanish)—						
Ore	295	694	617	230	497	645
Mexico—						
Ore	9,308	9,381	13,986	8,712	7,184	7,529
Concentrates	47	—	96	—	—	—
Regulus	739	1,274	1,067	953	837	927
Sb content (b)	4,041	3,439	4,733	3,328	2,499	3,150
United States—						
Ore	31	6	5	22	(a)	(a)
Metal and alloys	402	132	145	122	23	39
Compounds	199	164	311	191	106	292
Bolivia—						
Ore (Sb content)	10,113	8,630	11,629	9,651	5,693	5,136
Peru—						
Ore and metal (Sb content)	676	992	1,223	466	991	1,246
Japan—						
Regulus :	(a)	(c)	2	(a)	(a)	17
Siam—						
Ore	342	273	128	48	82	131
Turkey—						
Ore	268	1,434	1,589	400	1,011	1,919
Regulus	171	95	248	—	—	—

(a) Information not available.

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

(c) *Sb content*.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates (b)	11,694	14,172	25,744	17,541	7,495	15,029
Refined and regulus ..	5	(a)	(a)	(a)	(a)	(a)
Southern Rhodesia—						
Refined and regulus ..	6	14	11	13	14	(d) 30
Union of South Africa—						
Refined and regulus ..	101	176	373	64	57	(a)
Canada—						
Regulus	1,153	1,434	608	769	772	912
Oxide	(a)	(a)	45	77	58	125
Hong Kong (total imports)—						
Ore	1,954	168	—	—	—	—
Crude and regulus ..	}	}	}	}	}	}
Australia—						
Concentrates	551	709	1,054	510	598	1,023
Crude and regulus ..	11	339	61	14	15	101
New Zealand—						
Regulus	86	109	135	58	57	82
Oxide	62	77	98	94	53	132
FOREIGN COUNTRIES						
Austria—						
Regulus	204	129	44	97	137	99
Belgium-Luxemburg						
E.U.—						
Regulus	16	27	80	13	12	18
Oxide	53	35	67	34	56	70
Denmark—						
Regulus	132	406	174	120	32	131
France—						
Ore	3,017	2,851	3,361	4,482	3,502	7,858
Crude and regulus ..	65	259	389	300	2	15
Oxide and sulphide ..	11	28	32	16	13	33
Germany (Federal)—						
Ore and matte	490	1,197	(e) 1,048	(f) 261	991	1,799
Regulus and scrap ..	679	458	1,236	260	1,054	1,246
Oxide, etc.	19	236	184	97	68	136
Italy—						
Ore	(a)	45	89	2	6	37
Regulus	51	246	24	77	252	348
Oxide	51	339	57	151	308	267
Netherlands—						
Regulus and scrap ..	(c) 533	(c) 448	313	102	354	438
Oxide	(a)	494	500	167	351	475
Norway—						
Regulus	22	139	88	29	100	76
Portugal—						
Crude and alloys ..	8	23	16	31	27	28
Oxide	15	12	6	5	4	4
Sulphide	—	4	—	—	—	1
Spain—						
Regulus	—	—	25	—	—	(a)
Sulphide	2	6	1	—	3	(a)
Sweden—						
Crude	50	95	170	15	91	92
Regulus	184	327	315	147	209	251

(a) Information not available.

(b) Including crude.

(c) Scrap only.

(d) Federation of Rhodesia and Nyasaland.

(e) January to September only.

(f) April to December only.

IMPORTS OF ANTIMONY, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Regulus	169	263	290	108	152	143
Algeria—						
Regulus	6	3	17	23	20	8
Tunis—						
Regulus and sulphide ..	2	(a)	1	(a)	(a)	(a)
Mexico—						
Oxide and sulphide ..	6	4	8	1	11	6
United States—						
Ore (<i>Sb content</i>) ..	6,673	8,717	10,629	7,094	6,944	4,216
Regulus, crude, etc. ..	1,727	4,153	1,992	3,016	2,347	2,502
Oxide	50	1,035	1,821	1,577	1,157	1,318
Argentina—						
Ore	702	1,354	(a)	59	241	582
Regulus and crude ..	97	74	(a)	871	—	—
Brazil—						
Regulus	124	(a)	280	107	133	528
Oxide	112	(a)	158	52	(a)	(a)
Sulphide	68	(a)	229	128	(a)	(a)
Chile—						
Regulus	39	41	69	12	(a)	(a)
Peru—						
Regulus and sulphides	6	1	9	2	1	2
Uruguay—						
Regulus	12	10	11	(a)	(a)	(a)
Oxide	4	10	6	(a)	(a)	(a)
Japan—						
Ore and concentrates ..	(a)	169	1,698	452	2,642	2,331
Regulus	(a)	238	10	10	6	15
Philippine Republic—						
Regulus	20	2	3	5	(a)	(a)
Turkey—						
Regulus	4	—	—	—	6	—

(a) Information not available.

ARSENIC
PRODUCTION OF ARSENIC
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia—						
White arsenic	146	112	75	507	371	409
Canada—						
White arsenic (b) ..	235	354	1,051	763	627	527
Australia—						
White arsenic	(c) 253	(c) 200	(c) 120	(c) 120	—	—
New Zealand—						
White arsenic	19	10	—	—	—	—
FOREIGN COUNTRIES						
Belgium (exports)—						
White arsenic	519	1,879	320	987	1,699	1,767
Finland—						
Concentrates (<i>As content</i>)	30	67	162	138	156	—
France—						
White arsenic	2,424	3,450	5,218	6,482	5,699	725
Germany (exports)—						
White arsenic, etc. ..	1,064	1,106	3,449	109	603	214
Greece—						
White arsenic	20	32	55	87	—	(c) 50
Italy—						
Mispickel (<i>As content</i>) ..	915	990	1,140	1,190	760	438
White arsenic	1,420	715	1,741	2,110	1,146	1,199
Portugal—						
Arsenic oxide (d)	960	598	735	1,343	1,145	1,457
Spain—						
Arsenic oxide (e)	513	343	400	508	729	284
Sweden—						
White arsenic	6,316	12,517	16,973	14,207	—	8,548
Mexico—						
Ores (<i>As₂O₃ content</i>) ..	3,520	8,845	12,561	2,820	1,967	2,388
United States—						
White arsenic	11,424	11,851	14,455	13,994	9,708	11,756
Brazil—						
White arsenic	943	1,050	1,300	948	467	1,139
Iran—						
Ore	(a)	750	(a)	(a)	(a)	(a)
Japan—						
White arsenic	1,970	1,306	1,352	1,380	1,408	(a)

White arsenic is known to have been produced in the United Kingdom, U.S.S.R., China and Korea.

(a) Information not available.

(b) Refined white arsenic produced plus the content of crude arsenic exported but excluding arsenic contained in gold ores exported.

(c) Estimated.

(d) Content of pyrites mined.

(e) Content of ore.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
White arsenic and other compounds of arsenic	146	4,554	3,583	4,746	1,120	1,491
Canada—						
White arsenic, etc. (c)	1,732	1,593	2,166	1,594	418	635
Australia						
White arsenic	24	16	9	—	—	(a)
Other compounds ..	68	64	25	174	(b) 76	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Sulphide	50	124	142	94	76	73
White arsenic	519	1,879	320	987	1,699	1,767
Arsenates	223	877	615	1,110	84	115
France—						
White arsenic	64	834	4,941	2,564	1,576	3,005
Arsenate of lead ..	19	44	49	20	4	3
Other arsenates ..	439	497	240	236	125	380
Germany (Federal)—						
Ore, including antimony ore	20	232	—	—	—	—
White arsenic, etc. ..	1,064	1,106	3,449	109	603	214
Arsenates	(a)	(a)	(a)	(e) 1,050	995	800
Italy—						
White arsenic	345	35	12	20	108	422
Portugal—						
Ore	—	50	—	225	—	—
White arsenic	732	1,225	794	1,200	1,140	1,077
Sweden—						
White arsenic	6,200	9,922	16,511	10,721	3,959	7,997
Mexico—						
White arsenic, pure ..	4,610	7,628	4,760	3,490	3,907	3,318
do. crude	106	3,505	4,445	262	113	164
Ores and concentrates ..	—	—	180	—	—	—
As ₂ O ₃ content (d) ..	3,368	8,429	11,572	2,236	2,906	3,395
United States—						
Arsenate of lead	384	464	280	114	135	317
Arsenate of lime	1,807	1,722	2,391	2,503	1,737	882
Peru—						
White arsenic	366	7	358	15	—	—
Turkey—						
Ore	2	5	2	2	2	5

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) Including arsenic contained in gold ores exported.

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

(e) April to December only.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
White arsenic	2,965	5,803	6,780	8,308	1,450	4,869
Canada—						
Sulphide and white arsenic	115	7	16	9	14	—
Arsenate of lead	—	—	2	33	20	44
Arsenate of lime	—	—	26	60	106	49
India—						
Arsenic and its oxides	64	73	185	83	295	247
Pakistan (b)—						
Arsenic and its oxides	(a)	(a)	3	18	16	76
Australia—						
White arsenic	1,271	2,149	1,974	2,609	2,145	2,648
Other compounds	147	122	190	92	17	(d) 44
New Zealand—						
White arsenic, etc.	70	29	76	176	81	172
Arsenate of lead	104	71	94	193	88	29
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
White arsenic	104	97	15	2	39	86
France—						
Sulphide	2	1	—	1	5	12
Metallic arsenic	25	11	22	13	8	13
White arsenic	434	65	12	—	10	77
Arsenate of lead	—	—	—	—	8	4
Germany (Federal)—						
White arsenic	} (c) 51	(c) 1,696	(c) 2,459	{ 2,044	1,734	1,697
Sulphide .. ..							16	32	29
Italy—						
White arsenic	381	213	303	375	304	625
Metallic arsenic	—	2	3	12	6	—
Netherlands—						
White arsenic	19	76	144	291	438	486
Arsenates	207	400	265	789	126	56
Portugal—						
Metallic arsenic	—	—	—	1	—	1
White arsenic	—	1	—	—	1	2
Arsenate of soda	2	3	1	1	—	—
Algeria—						
White arsenic	49	17	17	17	16	14
Sulphide	2	5	1	1	4	8
Arsenates	18	25	30	29	9	15
Belgian Congo—						
White arsenic	(a)	(a)	(a)	(a)	5	25
Arsenates and arsenites	(a)	(a)	(a)	(a)	15	5
Tunis—						
Arsenates	3	(a)	3	(a)	4	—
Mexico—						
Arsenates	207	627	2,384	1,066	379	48

(a) Information not available.

(c) Includes other compounds.

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

(d) Year ended June 30 of that stated.

IMPORTS OF ARSENIC, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Metallic arsenic ..	20	62	99	27	63	52
White arsenic	4,193	13,191	12,963	4,003	4,212	4,328
Sulphide	20	66	66	(a)	9	—
Arsenates of lime and soda	—	151	774	115	(b) 35	96
Argentina—						
Sulphide	5	1	(a)	—	2	6
White arsenic	788	709	(a)	1,748	1,097	962
Brazil—						
White arsenic	367	(a)	96	912	1,019	950
Arsenate of lead	1,271	(a)	137	2	(a)	(a)
Chile—						
White arsenic	38	19	38	50	(a)	(a)
Arsenates	178	74	228	138	(a)	(a)
Colombia—						
White arsenic	(a)	(a)	25	48	3	4
Uruguay—						
White arsenic	266	311	200	148	225	(a)
Arsenate of lead	36	135	130	54	109	(a)
Venezuela—						
White arsenic	13	—	(a)	—	—	(a)
Japan—						
Sulphide	(a)	(a)	13	6	27	37
Turkey—						
Arsenic compounds ..	22	11	36	29	10	31

(a) Information not available.

(b) Arsenate of soda only.

ASBESTOS
PRODUCTION OF ASBESTOS
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Bechuanaland	—	—	36	398	455	902
Kenya (anthophyllite) ..	705	225	373	348	149	200
Southern Rhodesia	71,105	63,863	69,342	75,745	78,338	71,395
Swaziland	30,328	29,167	31,218	31,044	26,878	26,935
Uganda	—	—	—	—	—	6
Union of South Africa—						
Amosite	37,615	37,851	48,262	56,500	34,159	41,002
Blue	18,695	27,320	30,053	39,942	33,667	39,059
Chrysotile	6,796	12,798	17,419	22,295	16,821	17,297
Anthophyllite	137	79	131	762	11	98
Canada (b)—						
Chrysotile	513,309	781,557	868,927	829,767	813,595	825,103
Crude	581	807	668	662	697	647
Fibre	173,735	272,495	297,322	313,968	291,375	291,654
Shorts and waste	338,992	508,255	570,937	515,137	521,523	532,802
Cyprus	12,358	14,752	16,909	16,294	14,255	15,309
India	146	208	518	865	718	389
Australia—						
Chrysotile	412	585	1,159	1,119	1,175	920
Crocidolite	1,173	1,031	1,399	2,940	3,795	3,793
Amphibole	59	1	—	—	—	—
New Zealand	—	41	813	682	—	—
Total	693,000	969,400	1,086,600	1,078,700	1,023,900	1,042,000
FOREIGN COUNTRIES						
Finland	10,320	10,776	12,049	10,266	8,613	7,011
France	1,073	7,338	6,977	7,445	9,300	10,500
Greece	9	30	33	25	—	5
Italy	15,122	21,094	22,255	23,560	19,961	23,175
Portugal	99	253	307	165	93	27
Spain	40	41	40	30	—	(a)
Yugoslavia	1,093	943	1,499	2,466	3,689	3,212
Egypt	115	256	1,227	59	—	—
Madagascar	2	—	17	3	7	—
Morocco (French)	396	503	591	567	535	533
United States	38,320	36,927	46,187	48,114	51,741	40,904
Argentina	335	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)	204	163	311	457	723	30
Brazil	1,393	831	1,300	1,284	1,212	(c) 1,200
Chile	582	169	(a)	(a)	(a)	(a)
Venezuela	194	187	256	387	39	663
Formosa	(a)	(a)	34	24	—	146
Japan—						
Chrysotile	5,126	5,575	5,787	2,994	4,014	4,952
Amphibole	244	—	—	15	—	—
Turkey	246	241	79	—	—	44
Total*	74,000	85,000	99,000	98,000	101,000	93,000
World's Total*	767,000	1,055,000	1,186,000	1,177,000	1,125,000	1,135,000

*Excluding asbestos known to have been produced in Czechoslovakia, Roumania, U.S.S.R., China and Korea.

(a) Information not available.

(b) Sales and shipments.

(c) Estimated.

EXPORTS OF ASBESTOS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	1,923	2,434	2,665	3,159	3,229	3,891
Waste, incl. asbestic ..	920	1,163	1,021	1,184	866	919
Packing, etc. ..	11,388	10,683	13,581	12,176	9,718	12,103
Cement products ..	116,393	107,978	123,078	133,878	130,039	109,809
Yarn and cloth ..	2,002	1,995	2,290	2,311	2,539	2,676
Other manufactures ..	8,593	7,851	12,818	9,994	5,998	9,625
Kenya and Uganda (c)—						
Manufactured ..	(a)	3	—	(a)	(a)	(a)
Southern Rhodesia—						
Unmanufactured ..	65,007	65,874	61,012	74,228	63,954	(b) 72,475
Cement sheets ..	(£122,052)	(£134,635)	(£136,254)	(£216,646)	(£220,286)	(b)(£63,710)
Other manufactures ..	(£26,581)	(£40,487)	(£52,560)	(£47,371)	(£35,448)	(b)(£12,715)
Union of South Africa—						
Unmanufactured ..	82,244	90,695	112,946	122,448	90,473	113,624
Sheets .. (£ S.A.)	(£61,032)	(£91,071)	(£100,582)	(a)	(a)	(a)
Other manufactures ..	(£109,976)	(£138,367)	(£192,918)	(a)	(a)	(a)
Canada—						
Crude ..	563	754	589	618	570	572
Fibre ..	162,179	258,748	289,816	303,409	282,668	279,325
Shorts and waste ..	314,927	481,550	550,946	501,382	501,164	512,717
Manufactured ..	(£96,969)	(£237,958)	(£507,794)	(£463,419)	(£211,278)	(£477,060)
India—						
Crude ..	—	8	25	40	58	70
Manufactured ..	—	(£3,328)	(£2,104)	(£5,475)	(£27,974)	(£67,922)
Malaya (incl. re-exports)—						
Sheets ..	1,966	3,061	3,963	3,667	3,402	7,653
Other manufactures ..	93	59	104	112	17	36
Cyprus—						
Unmanufactured ..	11,098	15,471	15,088	18,187	9,200	18,164
Hong Kong (re-exports)—						
Unmanufactured ..	} (£44,188)	} (£114,977)	} (£326,041)	} (£208,317)	} (£34,497)	} (£44,543)
Manufactures ..						
Australia—						
Crude and fibre ..	346	385	588	1,170	2,303	1,688
Packing (£ Australian) ..	(£8,112)	(£15,636)	(£19,799)	(£12,316)	(£15,198)	(£21,303)
(d) ..						
New Zealand—						
Unmanufactured ..	—	—	4	—	—	—
Cement products ..	(£5328)	(£6,541)	(£11,373)	(£6,208)	(£7,309)	(£3,383)
(£ N.Z.) ..						
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	61	21	29	5	—	5
Manufactured ..	50	136	233	128	2,288	1,433
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	685	626	692	1,016	213	140
Spun and woven ..	205	291	203	279	291	296
Paper and board ..	386	340	838	344	402	576
Cement sheets and tiles ..	35,614	58,229	82,011	72,848	95,504	92,856
Other manufactures ..	25	32	221	30	81	18
Denmark—						
Cement sheets ..	169	10	873	1,304	689	987

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(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	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Finland—						
Unmanufactured ..	1,798	2,264	2,880	2,451	2,968	3,878
Manufactured ..	980	800	860	556	432	862
France—						
Unmanufactured ..	445	2,062	2,504	2,802	3,013	4,926
Spun and woven ..	135	174	209	118	137	195
Paper and board ..	306	287	433	279	193	328
Germany—						
Unmanufactured ..	—	15	40	51	163	440
Spun and woven ..	9	48	2,045	858	1,708	2,022
Paper and board ..	2	360				
Other manufactures ..	54	261				
Italy—						
Unmanufactured ..	3,962	2,840	1,384	1,552	2,369	2,289
Manufactured ..	15,369	31,779	27,189	33,080	16,811	11,613
Netherlands—						
Unmanufactured ..	41	8	27	29	5	22
Cement sheets, tiles, etc.	450	862	1,811	4,568	6,985	3,100
Portugal—						
Unmanufactured ..	35	166	78	71	23	30
Spain—						
Unmanufactured ..	1	2	10	8	—	(a)
Manufactured ..	35	252	498	687	65	(a)
Sweden—						
Unmanufactured ..	1	240	43	14	4	1
Manufactured ..	14	19	31	12	11	29
Switzerland (including mica)—						
Unmanufactured ..	61	91	38	106	1	6
Manufactured ..	262	281	397	278	236	437
Yugoslavia—						
Unmanufactured ..	(a)	34	204	40	99	107
Egypt—						
Unmanufactured ..	3	43	15	6	50	(a)
Madagascar—						
Unmanufactured ..	—	1	17	—	5	—
Morocco (French)—						
Unmanufactured ..	6	154	177	20	63	24
United States—						
Unmanufactured ..	15,733	16,876	12,766	9,166	2,482	1,649
Spun, woven and packing ..	1,079	1,085	1,051	1,119	899	1,238
Brake linings ..	(£954,219)	(£1,223,801)	(£2,628,549)	(£1,821,697)	(£1,354,483)	(£1,644,276)
Clutch facings ..	(£141,575)	(£206,083)	(£334,255)	(£519,934)	(£485,183)	(£312,972)
Pipe covering and cement ..	3,872	1,021	1,809	2,075	1,929	1,869
Other manufactures ..	19,073	11,540	13,176	14,904	13,222	13,443
Argentina—						
Manufactured ..	1	1	(a)	1	1	—
Bolivia—						
Unmanufactured ..	204	163	311	457	723	30
Peru—						
Manufactured ..	54	18	298	143	69	1
Venezuela—						
Unmanufactured ..	21	20	(a)	63	68	(a)
Japan—						
Unmanufactured ..	(a)	108	99	57	89	19
Manufactured ..	(a)	80	1,372	427	778	1,490
Turkey—						
Unmanufactured ..	372	28	15	1	2	—

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	92,827	109,498	121,894	125,260	98,958	110,040
Waste, including asbestic	3,231	10,208	10,490	6,331	10,380	13,802
Packing, etc.	7	(a)	(a)	(a)	(a)	(a)
Cement products	3,328	6,521	5,291	2,480	3,671	5,795
Other manufactures	103	150	117	228	507	94
Channel Islands—						
Manufactures	1,315	1,203	1,224	700	582	892
Anglo-Egyptian Sudan—						
Sheets, pipes, etc.	3,485	2,249	3,889	2,729	12,593	8,116
Gold Coast—						
Cement sheets, pipes etc. ..	(a)	(a)	(a)	(a)	(a)	18,413
Kenya—						
Manufactured	3,399	3,020	3,797	3,434	2,953	2,228
Mauritius—						
Sheet and millboard	(a)	(a)	(a)	483	165	66
Other manufactures	26	16	178	488	158	36
Nigeria—						
Cement sheets, pipes etc. ..	(a)	(a)	(a)	(a)	(a)	10,762
Northern Rhodesia—						
Cement sheets, pipes, etc.	(£165,022)	(£224,620)	(£203,559)	(£401,250)	(£397,595)	(c)
Nyasaland—						
Cement sheets, etc.	1,199	1,817	726	1,289	657	(c)
Seychelles—						
Cement sheets	272	131	415	557	25	(a)
Southern Rhodesia (total imports)—						
Cement sheets	(£26,307)	(£20,274)	(£49,753)	(£95,051)	(£55,096)	b (£105,141)
Cement pipes	3,667	4,083	3,400	5,543	4,881	(b) 4,571
South West Africa—						
Packing (£S.A.)	(£4,467)	(£2,309)	(£1,352)	(a)	(a)	(a)
Cement sheets (£S.A.)	(£14,882)	(£15,692)	(£22,492)	(a)	(a)	(a)
Other manufactures (£S.A.)	(£18,276)	(£11,129)	(£15,883)	(a)	(a)	(a)
Tanganyika—						
Manufactured	2,765	3,575	3,316	3,805	2,077	391
Uganda—						
Manufactured	1,284	1,220	1,315	1,375	2,109	651
Union of South Africa—						
Packing (£S.A.)	(£93,059)	(£111,953)	(£170,484)	(a)	(£5,707)	(a)
Cement products (£S.A.)	(£9,266)	(£9,124)	(£15,542)	(£16,526)	(£16,882)	(a)
Other manufactures (£S.A.)	(£200,162)	(£57,057)	(£19,257)	(a)	(£24,871)	(a)
Zanzibar—						
Manufactured	64	422	121	239	331	225
Canada—						
Packing	114	149	184	137	131	122
Other manufactures	(£643,344)	(£797,705)	(£1,056,859)	(£1,131,518)	(£1,036,599)	(£1,180,653)
British West Indies—						
Barbados—						
Cement sheets	(£14,268)	(£17,238)	(£24,155)	(£15,177)	(£7,132)	(£13,065)
Bermuda—						
Sheets, etc.	(£7,114)	(£2,400)	(£12,527)	(£6,455)	(£26,082)	(£6,720)
Grenada—						
Manufactured	(d) (£264)	(£829)	(£1,357)	(£1,387)	(£1,102)	(a)
Jamaica—						
Unmanufactured	(£436)	(£631)	(£705)	(£1,087)	(£441)	11
Manufactured	(£35,150)	(£55,789)	(£108,549)	(£94,623)	(£77,898)	22,560

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Excess of re-exports.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Trinidad and Tobago—						
Cement products ..	1,730	856	2,051	1,196	785	1,636
Other manufactures ..	174	215	258	456	99	349
British Guiana—						
Cement sheets, etc. ..	339	(a)	542	426	(£5,174)	(£7,019)
Other manufactures ..	340	(a)	255	237	(£22,447)	(£14,034)
Aden—						
Cement sheets ..	—	—	—	—	—	—
Other manufactures ..	—	—	—	—	—	—
Ceylon—						
Cement sheets, etc. ..	(a)	(a)	(a)	(a)	12,994	9,276
Other manufactures ..	(a)	(a)	(a)	(a)	76	318
Cyprus—						
Cement products ..	711	540	3,680	1,159	3,073	3,643
Other manufactures ..	(£813)	(£1,691)	(£411)	(£1,854)	(£2,747)	(£6,389)
Hong Kong (total imports)—						
Unmanufactured ..				25	—	—
Manufactures ..	(£71,024)	(£155,009)	(£477,201)	(£244,699)	(£133,014)	(£25,670)
India—						
Unmanufactured ..	7,645	10,783	10,925	11,148	2,849	8,263
Cement products ..	9,958	6,213	4,391	914	178	1,122
Packing ..	(£91,540)	(£24,652)	(£32,291)	(£73,062)	(£111,620)	(£108,224)
Other manufactures ..	(£202,061)	(£88,121)	(£217,788)	(£220,634)	(£259,657)	(£279,242)
Malaya (total imports)—						
Unmanufactured ..	(a)	(a)	(a)	(a)	1,077	2,719
Sheets ..	6,429	8,267	12,536	17,209	13,608	19,897
Other manufactures ..	1,341	2,402	4,921	5,810	250	265
North Borneo—						
Sheets, etc. ..	(a)	(a)	806	1,213	598	929
Pakistan (b)—						
Cement sheets ..	(a)	(a)	6,766	6,265	3,714	4,844
Sarawak—						
Sheets ..	124	233	224	420	485	180
Other manufactures ..	3	24	19	60	41	16
Australia—						
Crude ..	14,767	29,536	25,789	27,726	26,516	33,888
Packing (£ Australian) ..	(£363,820)	(£244,018)	(£196,721)	(£340,683)	(£239,483)	(£431,866)
(c) ..						
New Zealand—						
Unmanufactured ..	1,520	3,785	2,348	4,749	1,823	3,455
Sheets ..	(d) 312,774	(d) 456,577	(d) 1,035,661	(d) 649,534	(d) 44,707	(d) 30,859
Other manufactures ..	(£95,876)	(£93,780)	(£114,686)	(£161,268)	(£117,431)	(£148,867)
(d) N.Z.) ..						
Irish Republic—						
Unmanufactured ..	(a)	(a)	(a)	2,931	1,887	2,301
Manufactured ..	6,426	5,763	8,764	6,272	5,501	2,612
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	1,989	3,441	8,458	6,311	5,410	6,653
Manufactured ..	105	75	87	115	86	163
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	14,563	21,510	32,018	32,272	29,504	30,173
Spun and woven ..	160	148	271	513	153	196
Paper and board ..	749	466	511	367	518	616
Cement sheets and tiles ..	25	128	62	151	530	375
Other manufactures ..	188	389	801	664	557	951

(a) Information not available.

(c) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated.

(d) Square yards.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Unmanufactured ..	4,930	9,828	8,257	11,853	10,041	9,933
Spun and woven ..	114	107	113	171	136	131
Paper and board ..	454	326	502	314	331	511
Packing, etc. ...	174	270	58	27	109	195
Cement sheets ..	20	5,338	52	48	218	178
Finland (b)—						
Unmanufactured ..	548	972	1,132	1,245	878	1,261
Manufactured ..	218	210	587	333	195	543
France—						
Unmanufactured ..	24,923	33,028	39,815	55,149	32,341	37,746
Spun and woven ..	36	8	4	7	20	20
Paper and board ..	48	142	136	142	134	151
Germany (Federal)—						
Unmanufactured ..	7,527	13,638	24,928	36,574	28,260	37,671
Spun and woven ..	153	405	679	445	427	485
Paper and board ..	623	348				
Other manufactures ..	10	28				
Greece ..	191	175	89	410	211	158
Iceland—						
Unmanufactured ..	34	31	34	42	(a)	(a)
Manufactured ..	69	124	27	20	(a)	(a)
Italy—						
Unmanufactured ..	2,755	6,166	9,285	9,436	10,214	11,409
Manufactured ..	340	612	1,107	634	746	764
Netherlands—						
Unmanufactured ..	2,608	6,825	6,140	8,737	10,077	8,818
Cement sheets, tiles, etc.	13,618	26,343	32,142	19,981	32,546	40,335
Other manufactures ..	1,336	1,283	1,342	1,675	2,094	2,558
Norway—						
Unmanufactured ..	2,023	2,634	3,302	3,202	2,376	3,170
Manufactured ..	1,065	745	1,406	1,120	970	1,762
Portugal—						
Unmanufactured ..	2,548	2,286	1,454	2,210	1,516	1,898
Manufactured ..	48	50	121	98	49	64
Spain—						
Unmanufactured ..	1,168	4,315	4,615	8,693	5,745	(a)
Manufactured ..	324	253	236	192	175	(a)
Sweden—						
Unmanufactured ..	8,957	10,084	5,197	11,076	10,645	14,180
Manufactured ..	1,496	1,811	2,146	1,494	1,443	1,859
Switzerland (including mica)—						
Unmanufactured ..	3,454	4,230	5,908	5,057	4,323	5,003
Manufactured ..	1,002	1,491	2,157	1,722	1,830	2,579
Yugoslavia—						
Unmanufactured ..	(a)	3,893	295	1,886	1,929	2,136
Manufactured ..	(a)	195	142	276	222	232
Algeria—						
Unmanufactured ..	488	1,527	1,652	2,932	1,755	2,776
Manufactured ..	141	153	173	40	32	38
Belgian Congo—						
Unmanufactured ..	(a)	1,323	1,981	2,939	2,513	1,950
Egypt—						
Unmanufactured ..	316	854	962	1,740	1,563	1,754
Paper and board ..	(b) 188	95	183	102	35	135
Other manufactures ..	(b) 205	366	248	328	115	212
Mozambique—						
Unmanufactured ..	7	272	674	1,183	527	(a)
Manufactured ..	1	1	8	11	11	(a)
Costa Rica—						
Unmanufactured ..	20	24	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Unmanufactured ..	3,485	5,343	2,943	5,358	4,883	4,595
Manufactured ..	1,283	1,780	1,247	1,064	833	869
Netherlands						
West Indies—						
Manufactured ..	4,497	3,401	4,736	(a)	(a)	(a)
United States—						
Unmanufactured—						
Crude ..	41,035	25,919	31,518	34,487	44,460	33,203
Mill fibre ..	113,172	157,571	201,137	189,860	152,404	133,002
Other ..	305,884	446,128	447,589	409,062	430,671	439,256
Manufactured ..	375	3,310	851	452	445	4,064
Argentina—						
Spun and woven ..	305	341	1,019	96	576	963
Paper and board ..	5,825	9,152	18,043	4,340	9,569	2,931
Brazil (total imports)—						
Unmanufactured ..	4,208	8,301	10,925	10,919	7,996	13,179
Manufactured ..	1,587	(a)	3,081	2,360	538	1,486
Chile—						
Unmanufactured ..	148	230	82	1	(a)	(a)
Manufactured ..	2,444	2,624	2,481	3,554	4,639	3,219
Colombia—						
Unmanufactured ..	(a)	(a)	4,449	6,509	6,605	4,807
Manufactured ..	(a)	(a)	382	344	245	458
Ecuador—						
Manufactured ..	377	1,791	(a)	(a)	(a)	(a)
Peru—						
Unmanufactured ..	725	798	1,169	1,949	643	1,343
Manufactured ..	145	192	252	283	297	151
Uruguay ..	1,518	1,708	1,385	1,766	1,656	(a)
Venezuela—						
Unmanufactured ..	500	983	865	1,554	1,618	(a)
Manufactured ..	20,051	10,439	5,575	(a)	(a)	(a)
Formosa—						
Unmanufactured ..	} (a)	280	580	437	107	558
Manufactured ..				222	456	409
Iraq—						
Unmanufactured ..	10	23	104	7	(a)	(a)
Israel—						
Manufactured ..	(£38,048)	(£35,670)	(a)	(a)	(a)	(a)
Japan—						
Unmanufactured ..	1,181	6,584	22,432	13,142	18,606	19,961
Manufactured ..	(a)	57	164	236	415	510
Philippine Republic—						
Unmanufactured ..	(a)	647	361	181	651	981
Manufactured ..	1,154	644	146	215	503	213
Turkey—						
Manufactured ..	487	1,541	2,119	1,982	1,317	3,564

(a) Information not available.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS*

(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain— Barytes and witherite, unground ..	92,389	73,813	58,234	43,276	42,914	47,477
Barytes— Ground, bleached ..	19	—	—	—	—	—
do. unbleached ..	24,925	22,796	29,185	26,834	25,992	27,475
Canada	42,088	68,908	87,601	121,430	220,738	198,678
Southern Rhodesia ..	480	257	83	267	239	—
South West Africa ..	47	—	—	—	—	—
Swaziland	102	434	469	397	406	349
Union of South Africa ..	2,209	2,232	2,006	1,691	1,868	2,091
India	21,118	11,963	10,471	10,030	9,400	18,792
Australia	5,464	5,933	6,178	4,944	5,677	6,872
Irish Republic— Barytes, refined ..	3,597	2,482	1,393	313	—	(a)
do. unrefined ..	2,277	2,263	6,715	1,480	—	(a)
FOREIGN COUNTRIES						
Austria	8,130	9,959	9,493	5,079	2,768	4,813
France	29,817	28,157	38,870	41,986	39,200	42,900
Germany (Federal) ..	178,600	305,985	410,884	340,378	377,790	370,128
Greece	15,359	20,471	29,365	21,162	26,478	(c) 30,000
Italy	50,768	53,566	75,332	55,384	70,629	70,762
Portugal	420	126	708	611	310	343
Spain	7,544	7,034	12,252	15,617	17,613	10,700
Sweden (sales) ..	908	49	148	—	—	96
Yugoslavia (exports) ..	(a)	11,880	9,695	26,391	61,149	95,571
Algeria	18,570	19,580	20,690	9,690	16,804	13,336
Egypt	30	—	40	10	30	31
Morocco (French) ..	—	4,834	3,205	3,062	49	9,150
Tunis	619	25	10	25	—	—
Mexico (b)	2,758	2,407	1,377	11,090	56,288	50,778
United States	652,954	619,129	754,981	904,296	843,046	(c) 850,000
Argentina	14,242	(a)	(a)	(c) 13,000	(a)	(a)
Brazil	5,915	6,752	(a)	(a)	(a)	(a)
Chile	1,437	1,246	1,053	2,200	1,390	(a)
Colombia	57	309	2,000	4,000	7,628	9,000
Peru	6,250	2,983	22,652	8,960	15,294	(a)
Japan	9,686	14,014	16,442	14,006	17,277	12,082
TOTAL†	1,220,000	1,330,000	1,640,000	1,690,000	1,870,000	1,910,000

*Barytes unless otherwise stated.

†Excluding barytes known to have been produced in Czechoslovakia, Norway, U.S.S.R., China and Korea.

(a) Information not available.

(c) Estimated.

(b) Exports.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ground barytes ..	6,727	466	191	115	218	212
Dioxide ..	44	3,221	3,251	2,254	2,060	3,496
Barium compounds, excluding blanc fixe ..	2,381					
Southern Rhodesia—						
Barytes ..	570	177	222	415	152	—
South West Africa—						
Barytes ..	36	—	—	—	—	—
Canada—						
Unground barytes ..	35,470	29,867	43,983	75,929	217,000	185,586
Ground barytes ..	8,688	33,116	40,829	43,826		
Hong Kong (re-exports)—						
Barytes ..	9	13	—	(a)	(a)	(a)
India—						
Unground barytes ..	14,535	8,268	5,085	2,306	2,510	8,391
Australia—						
Unground barytes ..	952	190	119	223	80	(a)
Ground barytes ..	1,046	2,334	1,408	1,209	877	1,932
Sulphate ..	(b) 1	(b) 3	2	3	2	(b) 1
Irish Republic—						
Unground barytes ..	(a)	(a)	(a)	5,035	1,200	(a)
Ground barytes ..	2,277	2,241	766	(a)	19	2
FOREIGN COUNTRIES						
Austria—						
Barytes ..	(a)	—	—	—	—	277
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	252	1	5	25	21	1,186
Barytes, ground ..	1,128	168	96	101	160	93
Sulphate ..	723	998	1,449	423	789	1,732
Carbonate ..	(a)	(a)	523	261	264	132
Chloride ..	512	140	1,338	100	344	161
Sulphide ..	71	15	10	—	—	—
France—						
Barytes ..	168	694	2,033	757	252	689
Witherite ..	344	269	454	38	66	49
Precipitated carbonate ..	1,561	2,286	1,965	1,187	3,004	2,260
Precipitated sulphate ..	479	239	583	156	354	421
Barium compounds ..	1,801	1,305	1,296	525	1,296	2,068
Germany (Federal)—						
Barytes ..	(d) 23,527	(d) 109,748	130,752	70,783	77,115	121,684
Witherite ..	(e) 20	(e) 18				
Carbonate ..	645	3,934	7,694	5,645	8,247	7,328
Chloride ..	1,405	2,668	3,642	2,256	3,537	5,398
Nitrate ..	28	37	(c) 199	(a)	(a)	(a)
Sulphate ..	2,174	7,480	(c) 6,924	(f) 5,684	11,431	277
Greece—						
Barytes ..	23,396	19,793	25,728	4,805	29,027	18,592

*For Lithopone, see "Zinc", pages 337-339.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) January to September only.

(d) Including celestite.

(e) Including strontianite.

(f) April to December only.

EXPORTS OF BARIUM MINERALS, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Barytes	3,158	11,145	36,824	16,722	13,908	18,558
Witherite	(a)	(a)	140	110	—	20
Precipitated carbonate..	(a)	(a)	148	212	300	90
Chloride	—	—	288	66	64	556
Sulphate	11,651	1,097	823	1	13	—
Netherlands—						
Barytes	148	—	—	—	11	3
Sweden—						
Barytes and witherite ..	5	—	—	—	—	1
Yugoslavia—						
Unground barytes ..	(a)	11,865	6,860	23,717	58,826	92,229
Ground barytes ..	(a)	15	2,835	2,674	2,323	3,342
Algeria—						
Barytes	11,037	18,099	10,124	8,671	9,142	11,827
Morocco (French)—						
Barytes	—	591	811	1,063	531	5,963
Tunis—						
Barytes	2	(a)	(a)	(a)	—	—
Mexico—						
Barytes	2,758	2,407	1,377	11,090	56,288	50,778
Japan—						
Barytes	(a)	(a)	(a)	(a)	49	—
Chloride	(a)	(a)	—	—	4	3
Sulphate	(a)	57	(a)	(a)	16	7

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Unground barytes ..	14,973	17,390	38,673	11,745	2,344	34,060
Ground barytes ..	14,385	17,493	19,616	11,150	16,012	21,209
Barium compounds, excluding blanc fixe ..	573	279	1,179	762	1,191	2,824
Union of South Africa—						
Barytes ..	868	254	788	616	722	(a)
Carbonate and dioxide ..	195	127	124	157	63	(a)
Canada—						
Barytes ..	838	1,865	954	1,290	1,078	1,104
Blanc fixe ..	747	644	331	189	234	279
British West Indies—						
Trinidad and Tobago—						
Ground barytes ..	21,573	20,167	24,687	19,914	25,293	22,769
Hong Kong (total imports)—						
Barytes ..	176	167	147	(a)	(a)	(a)
India—						
Barytes ..	—	6	101	38	31	30
Pakistan (c)—						
Barytes ..	(a)	(a)	1,818	3,519	875	1,739
Australia—						
Barytes ..	3	57	43	49	18	18
Carbonate ..	55	326	328	192	(b) 63	(b) 88
Chloride ..	84	128	115	168	(b) 42	(b) 104
Sulphate ..	27	213	747	563	89	(b) 143
Other compounds ..	12	21	50	94	(b) 73	(b) 87
New Zealand—						
Barytes ..	668	1,207	999	819	810	1,106
Barium compounds ..	12	32	34	68	10	51
Irish Republic—						
Ground barytes, including blanc fixe ..	20	235	675	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes ..	5,490	6,725	9,817	3,063	4,820	6,620
Carbonate ..	180	373	400	570	230	264
Chloride ..	122	64	131	—	17	30
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	3,663	21,314	29,444	7,236	3,519	12,284
Barytes, ground ..	5,743	6,083	5,904	5,370	5,784	6,395
Sulphate ..	359	707	796	492	672	702
Carbonate ..	738	2,334	3,188	1,515	2,382	2,963
Chloride ..	347	842	560	544	1,325	976
Sulphide ..	51	1	5	5	588	2,615
Denmark—						
Barytes ..	—	357	205	52	—	87
Witherite ..	73	125	299	49	60	131
Chloride ..	113	105	190	40	153	264
Sulphate ..	716	915	1,937	1,685	1,040	1,058

*For Lithopone, see "Zinc", pages 340-343.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 of that following.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Finland (total imports)—						
Barytes	191	233	642	153	322	682
Chloride	—	5	25	2	10	58
Carbonate	—	15	59	38	29	98
Sulphate	230	135	247	76	67	109
France—						
Barytes	21,099	41,567	37,399	24,416	20,233	26,367
Witherite	—	170	675	494	—	150
Chloride	—	5	109	7	—	10
Hydrate	15	27	10	5	25	15
Precipitated carbonate	—	2	—	47	—	—
Precipitated sulphate ..	210	339	340	235	408	429
Sulphide	—	—	41	—	—	—
Germany (Federal)—						
Barytes and celestite ..	—	220	1,254	5	—	—
Witherite and strontianite ..	2	—				
Italy—						
Barytes	—	13	27	21	130	113
Witherite	(a)	(a)	501	493	1,980	1,033
Precipitated carbonate ..	(a)	(a)	197	1,028	1,488	561
Chloride	152	489	205	201	298	23
Precipitated sulphate ..	1	33	234	354	552	399
Netherlands—						
Barytes	10,500	26,236	20,384	15,668	13,403	15,913
Carbonate	568	700	1,044	534	1,516	1,531
Sulphate	2,230	3,752	5,388	3,120	4,595	4,724
Blanc fixe	596	615	660	1,150	1,537	2,502
Portugal—						
Barytes	—	—	—	—	—	106
Carbonate	—	—	2	16	—	12
Chloride	30	77	67	86	117	168
Sulphate	49	30	76	130	70	32
Sweden—						
Barytes and witherite ..	812	1,966	2,705	1,231	1,818	2,073
Sulphate	927	903	1,099	866	938	1,267
Algeria—						
Barytes (including precipitate) ..	1	357	75	60	4	2
Witherite (including precipitate) ..	25	45	35	43	66	82
Belgian Congo—						
Barytes and witherite ..	(a)	(a)	(a)	(a)	32	32
Chloride	(a)	38	81	(a)	22	20
Sulphate	(a)	(a)	(a)	(a)	143	202
Tunis—						
Precipitated sulphate ..	226	(a)	336	(a)	199	10
Precipitated carbonate	10	(a)	2	(a)	—	2
Cuba—						
Sulphate	357	394	500	(a)	(a)	(a)
Mexico—						
Barytes	75	2,864	1,778	4,241	2,055	2,729
United States—						
Unground barytes	23,373	52,126	47,103	96,355	298,918	283,119
Ground barytes	188	605	143	5,911	231	225
Witherite	1,886	1,865	1,800	4,620	4,400	3,942
Sulphate	1	47	11	29	897	703
Barium compounds	85	419	2,079	1,173	4,499	2,406
Argentina—						
Sulphate	—	661	(a)	53	252	487
Barium compounds	250	537	(a)	288	359	629

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil—						
Carbonate	(a)	(a)	(a)	150	66	636
Chloride	110	(a)	340	115	121	541
Sulphate	488	(a)	882	536	113	719
Chile—						
Barytes	11	2	20	14	(a)	(a)
Carbonate	6	21	17	22	(a)	(a)
Chloride	—	17	10	2	(a)	(a)
Sulphate	13	3	2	4	(a)	(a)
Colombia—						
Sulphate	594	103	226	1,138	23	485
Peru—						
Barytes	6	467	454	17	3	22
Witherite	16	5	20	25	28	42
Carbonate	5	22	25	2	15	1
Sulphate	2	3	4	3	2	4
Other compounds ..	57	42	6	—	58	14
Uruguay—						
Oxides	50	44	77	(a)	(a)	(a)
Sulphate	250	681	639	(a)	(a)	(a)
Venezuela—						
Barytes	11,718	12,467	(a)	21,249	43,235	(a)
Sulphate	30	61	(a)	19	40	(a)
Japan—						
Barytes	—	3	—	1,481	337	2,062
Turkey—						
Barytes	32	28	50	27	23	3
Sulphate	8	—	—	—	—	16
Barium compounds ..	48	72	71	102	13	108

(a) Information not available.

BERYL
PRODUCTION OF BERYL
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Kenya	—	—	—	1	—	—
Northern Rhodesia ..	—	5	4	8	5	1
Southern Rhodesia ..	—	832	991	1,060	1,584	962
South West Africa ..	235	648	741	529	527	504
Tanganyika	1	—	—	—	—	—
Uganda	16	70	2	—	50	69
Union of South Africa ..	220	830	583	369	474	181
India	(a)	(a)	211	(a)	(a)	(a)
Australia	35	23	112	87	125	149
FOREIGN COUNTRIES						
Portugal	3	51	100	92	370	329
Belgian Congo	—	—	—	—	7	44
Madagascar	27	478	522	391	461	579
Morocco (French)	157	55	83	127	32	15
Mozambique	133	260	226	205	215	895
United States (shipments)	424	499	432	460	671	573
Argentina	64	(a)	(a)	620	610	1,280
Brazil	2,239	2,166	1,713	2,836	1,899	(c) 1,300
Dutch Guiana	—	—	—	—	2	9
TOTAL	3,700	6,100	5,720	7,000	(b) 7,200	7,200

(a) Information not available.

(b) Revised.

(c) Estimated.

EXPORTS OF BERYL
(Domestic Produce)
(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia ..	22	743	1,244	793	1,468	1,048
South West Africa ..	165	360	395	588	528	400
Uganda	33	16	—	—	33	29
Union of South Africa ..	279	808	801	247	472	172
India	(a)	(a)	351	(a)	(a)	(a)
Australia	35	23	112	87	125	163
FOREIGN COUNTRIES						
Portugal	(a)	25	115	75	331	306
Madagascar	9	359	465	304	110	454
Morocco (French)	(a)	118	87	125	44	10
Mozambique (b)	96	116	155	275	366	1,156
Argentina (b)	—	—	—	491	1,351	—
Brazil	3,030	2,584	1,508	2,440	1,926	1,253

(a) Information not available.

(b) Imports into the United States.

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

Importing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
United States	3,403	4,181	3,854	5,337	7,360	5,192

*Imports of Beryl are not recorded separately in the trade returns of other countries.

BISMUTH
PRODUCTION OF BISMUTH ORE, ETC.*
(Cwt.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
South West Africa— Ore	19	286	4	—	1	89
Uganda— Ore (<i>Bi content</i>) ..	148	57	57	55	10	3
Union of South Africa— Ore (<i>Bi content</i>) ..	119	142	64	35	14	10
Canada— Metal and content of bullion exported ..	919	1,711	2,056	1,450	1,048	2,310
Australia— Concentrates (<i>Bi content</i>)	13	18	23	28	8	12
FOREIGN COUNTRIES						
France— Mispickel (<i>Bi content</i>)	1,161	1,535	1,772	1,693	1,417	211
Spain— Ore (<i>Bi content</i>) ..	294	185	222	160	509	382
Yugoslavia— Bismuth	750	1,191	1,728	1,943	1,938	2,159
Belgian Congo— Ore (<i>Bi content</i>) ..	11	13	4	9	—	19
Mozambique— Ore (<i>Bi content</i>) ..	8	23	14	100	63	17
Mexico— Ore (<i>Bi content</i>) ..	6,089	5,192	6,656	7,993	6,600	7,106
Argentina— Concentrates (<i>Bi content</i>) (b) ..	15	(a)	(a)	5	12	90
Bolivia (exports)— Ore, etc. (<i>Bi content</i>) ..	160	480	1,358	314	1,239	906
Peru— Lead-tin-antimony bars (<i>Bi content</i>)	—	—	—	62	—	—
Metal	4,246	4,465	5,170	6,321	5,642	6,176
Anode residues (<i>Bi content</i>)	—	2,841	4,396	2,505	—	—
Korea (South)— Ore (<i>Bi content</i>) ..	3,405	(a)	246	2,165	4,724	2,254

*Bismuth ore is known to have been produced in Germany, Roumania, 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.

(b) Estimated.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom						
Bismuth	3,553	3,830	3,572	3,634	6,329	6,735
Bismuth salts	(a)	3,064	2,326	2,437	2,661	3,537
South West Africa—						
Ore	—	230	3	—	4	—
Uganda						
Ore (<i>Bi content</i>)	97	72	33	21	37	22
Union of South Africa—						
Bismuth	166	387	44	—	18	11
Canada—						
Metal	1,589	1,018	786	300	—	1,201
Australia—						
Concentrates	80	20	—	109	98	(d) 60
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	472	216	79	20	217	537
Salts	708	—	40	—	—	8
France—						
Bismuth and alloys						
including scrap	—	187	1,203	1,325	986	344
Bismuth nitrate	417	254	187	87	179	291
Germany (Federal)—						
Bismuth salts	4	756	(b) 681	(a)	(a)	(a)
Yugoslavia—						
Bismuth	(a)	740	1,352	1,838	1,826	2,170
Mexico—						
Bismuth, refined	—	—	—	—	652	1,779
do. impure bars	9,637	8,196	5,277	7,492	6,187	7,013
(<i>Bi content</i>) (c)	2,332	3,618	3,643	6,825	715	1,789
United States—						
Matte, residues, etc.	(a)	70	106	262	378	430
Metal and alloys	1,704	1,779	1,312	2,186	1,048	1,231
Bolivia—						
Ore, etc. (<i>Bi content</i>)	160	480	1,358	314	1,240	906
Chile—						
Salts	5	10	—	10	(a)	(a)
Peru—						
Bars, etc. (<i>Bi content</i>)	4,376	4,495	5,067	6,122	5,327	6,890
Korea (South)—						
Bismuth	(a)	39	654	366	2,809	(a)

(a) Information not available.

(b) January to September only.

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

(d) January to June only.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Bismuth	3,227	3,383	4,977	4,561	4,697	6,060
Unwrought alloys (e) ..	3,965	1,217	3,080	3,495	4,120	6,126
Canada—						
Bismuth	(c) 2,435	—	5	22	9	—
Bismuth salts	(£6,411)	(£7,623)	(£8,261)	(£9,814)	(£6,852)	(£11,405)
Australia—						
Bismuth	263	125	188	295	326	397
Bismuth salts	124	43	48	61	55	128
New Zealand—						
Bismuth and its salts ..	92	120	66	230	56	97
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	—	20	39	39	157	69
Bismuth salts	157	276	128	138	196	752
Denmark—						
Bismuth salts	(a)	335	173	244	270	258
France—						
Bismuth and alloys						
including scrap	3,295	2,764	2,411	3,027	3,653	4,264
Bismuth salts	—	—	4	26	—	—
Germany (Federal)—						
Bismuth salts	(a)	4	(b) 2	(a)	(a)	(a)
Italy—						
Bismuth	(a)	(d) 108	215	217	222	337
Bismuth salts	6	28	128	1,008	49	86
Spain—						
Bismuth	—	—	79	79	100	(a)
Bismuth salts	—	—	2	154	—	(a)
Algeria—						
Bismuth salts	8	—	2	6	6	—
Mexico—						
Bismuth salts	4,096	105	(a)	73	55	53
United States—						
Bismuth	4,838	6,979	4,589	6,324	5,727	5,615
Argentina—						
Bismuth and its salts ..	187	953	(a)	396	607	663
Chile—						
Bismuth	42	16	4	22	(a)	(a)
Colombia—						
Bismuth salts	(a)	(a)	137	40	53	(a)
Peru—						
Bismuth salts	12	11	12	13	26	13
Venezuela—						
Bismuth salts	69	(a)	(a)	(a)	(a)	(a)
Japan—						
Bismuth	(a)	38	55	(a)	359	(a)
Turkey—						
Bismuth	1	1	2	32	7	1
Bismuth salts	77	148	124	203	219	146

(a) Information not available.

(b) January to September only.

(c) Bismuth-bearing ores according to the Department of Mines.

(d) July to December only.

(e) Containing more than 50% by weight of bismuth.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Italy— Boric acid	4,792	4,713	4,542	4,283	4,142	3,783
United States— Borates	417,493	578,335	770,354	521,275	638,596	695,018
Argentina— Borate of calcium ..	10,137	(a)	(a)	(a)	(a)	(a)
Chile— Borax	(a)	(a)	(a)	(a)	(d) 2,000	(a)
Peru— Borax	—	—	5	25	—	(a)
Iran— Borate of calcium ..	(d) 300	(d) 300	(a)	(a)	(a)	(a)
Tibet (b)— Borax	(c) 94	(c) 89	(a)	(a)	(a)	(a)
Turkey— Borates	6,982	9,628	11,825	13,513	6,285	14,105

Borates are known to have been produced in the U.S.S.R., and Germany.

(a) Information not available.

(c) Years ended March 31 following that stated.

(b) Imports into India from Tibet.

(d) Estimated.

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Borax	919	1,742	1,455	953	1,065	1,609
Boric acid	246	491	236	(a)	(a)	(a)
Hong Kong (re-exports)—						
Borax	873	3,315	476	170	2	3
India—						
Borax	2	—	9	7	4	—
FOREIGN COUNTRIES						
Austria—						
Boric acid	(a)	59	12	—	—	—
Perborate of sodium ..	131	414	628	600	1,116	1,042
Belgium-Luxemburg						
E.U.—						
Borax	66	478	1,047	246	37	1,540
Borates and perborates	—	30	3	2	113	116
France—						
Borax	436	760	634	474	681	977
Boric acid	232	426	113	126	180	126
Perborate of sodium ..	756	242	255	103	59	76
Germany (Federal)—						
Borates	} 12	326	959	{ 739	2,228	3,541
Boric acid	}			{ 331	284	486
Italy—						
Boric acid, crude ..	471	117	27	185	—	554
do. refined ..	803	427	324	1,007	858	528
Borax and borates ..	847	145	181	508	1,425	1,439
Perborates	151	665	1,030	726	1,344	234
Netherlands—						
Borax	20	18	41	31	1,070	623
Sweden—						
Borax and boric acid ..	—	1	1	1	3	—
Perborate of sodium ..	(a)	98	—	69	103	90
Switzerland—						
Borax	1	—	338	44	482	—
United States—						
Borax, borates and boric acid	97,760	127,304	190,576	92,225	124,390	183,584
Argentina—						
Borates of calcium and sodium	79	—	(a)	—	50	984
Japan—						
Borax	(a)	(a)	(a)	(a)	298	1,032
Boric acid	(a)	(a)	(a)	(a)	9	386
Tibet (b)—						
Borax	(c) 94	(c) 89	(a)	(a)	(a)	(a)
Turkey—						
Borates	8,377	9,991	12,354	11,969	9,116	17,206

(a) Information not available.

(c) Years ended March 31 following that stated.

(b) Imports into India from Tibet.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Borates	12,846	14,981	18,739	13,309	13,511	16,095
Borax, crude	—	—	—	6	—	35
do. refined	10,890	14,028	22,005	12,103	17,026	25,388
Boric acid	3,141	4,722	5,804	2,971	3,664	5,115
Anglo-Egyptian Sudan—						
Borax	3	—	—	1	1	(a)
Kenya—						
Borax, refined	13	11	15	88	6	(a)
Southern Rhodesia—						
Borax	113	86	18	74	57	(c) 85
Boric acid	7	4	4	3	5	(c) 4
Tanganyika—						
Borax, refined	13	12	8	5	4	(a)
Uganda—						
Borax, refined	3	3	2	1	3	(a)
Union of South Africa—						
Borax	590	559	525	415	470	(a)
Boric acid	259	163	252	208	179	(a)
Canada—						
Borax	6,666	7,966	8,132	7,443	8,554	7,547
Boric acid	1,832	1,616	2,242	1,562	1,698	1,049
Hong Kong (total imports)—						
Borax, crude	2,509	5,530	971	1,060	47	15
do. refined					2,490	3,411
India—						
Borax	836	2,284	7,422	491	903	4,563
Pakistan (b)—						
Borax	(a)	(a)	248	261	438	430
Australia—						
Borates, crude (d)	33	—	100	58	70	219
Boron salts	1,456	1,834	3,447	2,253	1,581	3,250
Boric acid (d)	800	675	1,209	1,194	591	570
New Zealand—						
Borax	50	13	10	18	22	60
do. fertilizer	366	496	380	887	412	534
Boric acid	104	80	147	143	141	170
Irish Republic—						
Borax	553	989	553	775	771	448
Boric acid	116	136	118	71	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Borax, crude	1,276	1,603	2,686	1,871	1,850	2,490
do. refined	2	1	3	—	—	1
Boric acid	1	—	—	—	3	1
Perborate of sodium	40	3	80	—	28	20
Belgium-Luxemburg						
E.U.—						
Borax	923	2,462	2,171	1,446	1,432	1,312
Boric acid	239	289	252	217	302	323
Borates and perborates	920	1,194	1,886	568	1,582	2,298
Denmark—						
Borax	109	11	78	134	36	25
Boric acid	67	185	84	58	76	119
Borates and perborates	876	864	1,418	854	1,196	1,497

(a) Information not available.

(b) Years ended March 31 of that following.

(c) Federation of Rhodesia and Nyasaland.

(d) Years ended June 30 of that stated.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Finland (total imports)—						
Borax	85	566	415	119	552	822
Boric acid	33	60	59	88	46	124
France—						
Boron minerals	15,918	6,641	21,999	11,017	8,562	16,175
Borax	2,460	2,705	2,160	2,655	4,962	5,981
Boric acid	109	289	226	143	—	9
Borates and perborates	—	1,368	333	221	678	768
Germany (Federal)—						
Boron minerals	8,369	22,302	23,013	18,757	11,658	30,946
Boric acid	2,135	2,337	11,141	1,043	1,664	2,697
Borates				2,157	3,690	6,430
Greece—						
Borax	162	71	44	72	58	34
Italy—						
Boron minerals	(a)	(b) 147	1,962	1,117	3,267	4,969
Boric acid	—	4	178	365	139	—
Borax and borates	16	1,277	3,322	3,109	1,770	754
Perborates	30	145	161	367	652	106
Netherlands—						
Borax	5,047	6,461	8,270	4,502	6,727	8,464
Boric acid	504	236	554	393	310	634
Perborates	128	310	823	632	911	(a)
Norway—						
Borax	385	449	698	365	267	691
Boric acid	49	154	243	292	267	277
Portugal—						
Boric acid	143	63	90	166	58	128
Borates	574	287	295	869	279	425
Spain—						
Boric acid	12	6	—	3	1	(a)
Borates	99	307	238	274	252	(a)
Sweden—						
Borax	1,267	2,148	3,027	2,098	1,231	2,320
Boric acid	311	472	524	375	223	293
Perborates	1,176	1,545	2,125	831	1,446	2,543
Switzerland—						
Borax	1,144	3,453	6,380	275	1,764	3,256
Yugoslavia—						
Borax	(a)	278	333	563	(a)	(a)
Algeria—						
Borax and boric acid	19	39	37	22	17	31
Egypt—						
Borax	167	208	407	253	191	(a)
Boric acid	23	15	9	39	11	16
Mozambique—						
Borax	3	1	2	6	1	(a)
Boric acid	—	1	1	1	1	(a)
Tunis—						
Borax etc.	58	(a)	16	(a)	30	30
Cuba—						
Borax	96	74	104	(a)	(a)	(a)
Boric acid	220	225	313	(a)	(a)	(a)
Brazil (total imports)—						
Boron minerals	1,569	(a)	648	883	912	2,442
Boric acid	222	(a)	421	249	141	884
Borates	91	(a)	3,016	1,406	545	4,564
Chile—						
Borax	11	17	19	14	(a)	(a)

(a) Information not available.

(b) July to December only.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Colombia—						
Borax	(a)	(a)	349	240	295	384
Boric acid	(a)	(a)	137	129	126	177
Perborate of sodium	551	350	73	92	63	55
Ecuador—						
Borax	2	9	(a)	(a)	(a)	(a)
Boric acid	4	4	(a)	(a)	(a)	(a)
Peru—						
Borax	208	117	233	125	221	215
Boric acid	30	18	22	7	46	52
Uruguay—						
Borate of calcium	79	163	301	(a)	(a)	(a)
Venezuela—						
Borax	38	75	51	33	61	(a)
Boric acid	40	70	(a)	61	50	(a)
Iran—						
Borax	134	337	155	187	(a)	(a)
Boric acid	11	3	7	4	(a)	(a)
Israel—						
Borax	—	73	(a)	(a)	(a)	(a)
Japan						
Borax	2,020	2,269	13,967	2,009	7,460	7,868
Boric acid	(a)	247	803	717	1,108	1,390
Philippine Republic—						
Boric acid	23	21	23	20	38	33
Turkey—						
Borax	118	144	173	181	293	105
Boric acid	—	—	29	19	25	5

(a) Information not available.

BROMINE
PRODUCTION OF BROMINE
(lb. avdp.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
France (b)	1,933,000	2,339,000	2,297,000	1,574,000	1,863,000	2,650,000
Italy	516,790	863,846	930,560	1,149,439	712,333	(a)
Spain	—	66,000	—	150,000	231,000	(a)
United States (c) ..	88,725,709	98,502,300	129,563,073	156,201,577	164,143,348	187,399,110
Japan	450,000	714,000	1,058,000	952,000	1,667,000	1,905,000

Bromine is also produced in the United Kingdom from sea-water.

(a) Information not available.

(c) Includes bromine content of compounds.

(b) Sales.

EXPORTS OF BROMINE, ETC.

(Domestic Produce)

(lb. advp.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Bromine	7,700	9,400	15,700	5,200	6,000	3,900
Bromides	75,700	131,200	699,200	441,500	308,100	640,500
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Bromine	(a)	6,614	—	—	—	220
Bromides	2,205	660	—	—	—	1,323
France—						
Bromine	349,433	289,246	561,517	251,768	62,170	716,723
Bromides	542,337	346,346	822,765	375,888	619,940	1,036,173
Germany (Federal)—						
Bromine	57,541	459,223	(b) 459,443	(c) 156,087	358,472	248,229
Bromides	127,868	1,030,661	789,255	185,850	383,163	419,742
Italy—						
Bromine	—	—	—	—	941	(a)
Bromides	4,674	198	61,289	220	15,833	2,866
Spain—						
Bromine	—	—	343	—	—	(a)
Bromides	1,167	—	2,220	—	—	(a)
Sweden—						
Bromine	—	—	4,409	—	—	—
United States—						
Bromine and compounds	925,639	869,816	2,587,421	2,789,749	3,414,065	5,082,437

(a) Information not available.

(b) January to September only.

(c) April to December only.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Bromine	244,300	(b) 400	1,120,300	121,200	2,500	647,400
Bromides	(b) 12,800	11,100	897,100	20,900	16	—
Union of South Africa—						
Bromine	425	335	609	2,146	161	(a)
Canada—						
Bromine	16,594	18,231	26,302	7,406	10,956	79,603
Bromide of soda ..	58,055	72,961	45,560	38,280	66,814	50,945
Australia—						
Bromine (£ Aust.) (c) ..	(£6,548)	(£269)	(£3,251)	(£75)	(£78)	(£329)
Bromates and bromides (c)	151,762	352,553	780,807	303,986	221,982	98,678
New Zealand—						
Bromine (£ N.Z.) ..	(£157)	(£44)	(£106)	(£61)	(£73)	(£301)
Bromide of soda ..	10,600	13,900	13,400	12,900	4,600	12,900
Bromates and bromide of potash	10,900	16,000	22,600	19,000	4,500	8,700
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	17,637	4,409	41,888	19,842	66,139	9,259
Bromides	(a)	238,099	282,240	242,511	416,674	344,362
Denmark—						
Bromide of potash ..	(a)	26,912	9,480	22,267	19,621	22,928
Bromide of soda ..	(a)	21,826	23,149	47,179	27,337	50,045
Other bromides ..	(a)	45,415	12,125	12,566	6,173	4,409
France—						
Bromides	1,102	—	2,646	441	—	—
Germany—						
Bromides	—	2,425	—	6,834	34,613	—
Italy—						
Bromine	7	271,633	325,182	219,360	307,104	154,103
Bromides	24,317	61,555	166,890	4,189	13,007	9,921
Netherlands—						
Bromine	(a)	4,409	55,116	112,436	127,868	141,096
Norway—						
Bromine	1,060	1,041	1,210	1,362	489	688
Portugal—						
Bromine	1,382	922	974	1,045	1,878	1,283
Bromide of soda ..	1,861	448	919	1,005	1,100	864
Bromide of potash ..	2,738	3,175	2,857	2,493	2,806	5,730
Bromide of ammonium	952	154	476	628	337	24
Spain—						
Bromides	35,111	50,023	6,504	18,958	4,314	(a)
Sweden—						
Bromine	3,042	6,614	30,865	10,134	2,205	2,205
Algeria—						
Bromine	220	—	220	—	220	220
Bromides	1,102	1,323	1,764	1,764	1,102	1,323
Belgian Congo—						
Bromides	(a)	—	306,883	(a)	22,710	264
Cuba—						
Bromine	190	123	53	(a)	(a)	(a)
Mexico—						
Bromides of potash an soda	7,485	29,269	74,816	26,464	26,037	63,310

(a) Information not available. (b) Excess of re-exports. (c) Years ended June 30 of that stated.

IMPORTS OF BROMINE, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Bromine and compounds	87	96	2,624	2,387	575	487
Argentina—						
Bromine and compounds	11,927	26,923	(a)	3,560	31,559	188,678
Chile—						
Bromine	1,129	1,283	408	403	(a)	(a)
Colombia—						
Bromine	(a)	(a)	950	452	220	267
Methyl bromide ..	(a)	(a)	5,196	15,586	—	11,823
Peru—						
Bromine	454	(a)	600	485	287	505
Bromides	15,415	7,228	7,181	8,631	10,593	5,831
Iran—						
Bromine	2	(a)	(a)	(a)	(a)	(a)
Japan—						
Bromine compounds ..	(a)	(a)	(a)	1,766	1,000	4
Philippine Republic—						
Bromide of potash ..	234	926	2,061	75	1,944	1,248
Turkey—						
Bromine	639	225	567	284	525	201
Bromides	13,436	9,061	19,293	18,902	15,170	19,648

(a) Information not available.

CADMIUM

PRODUCTION OF CADMIUM

(lb. avdp.)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	226,240	262,125	326,278	346,752	380,419	315,302
South West Africa (b) ..	1,662,000	1,344,000	1,434,000	1,112,000	1,194,000	1,620,000
Canada	846,541	848,406	1,326,920	948,587	1,118,285	1,086,780
Australia	581,280	659,500	517,400	641,500	665,840	645,000
FOREIGN COUNTRIES						
Belgium	794,000	805,000	805,000	1,213,000	1,323,000	1,279,000
France	128,000	159,000	185,400	194,708	282,000	311,000
Germany	(c) 11,000	26,500	154,300	144,100	227,000	619,000
Italy	161,616	166,151	444,919	290,450	398,003	459,218
Norway	157,400	173,500	221,035	162,869	197,360	178,432
Spain	11,279	9,586	8,600	12,073	16,204	20,900
Belgian Congo ..	55,100	65,407	52,900	45,208	70,500	138,900
Mexico (d)	1,808,824	1,474,251	1,970,476	1,618,391	2,113,342	1,128,800
United States (e)—						
Metal	8,023,616	8,849,690	8,114,238	8,387,824	9,682,197	9,415,710
Compounds (metal content)	203,001	340,704	197,099	179,335	85,000	136,000
Peru	—	3,005	—	37,635	22,862	66,321
Japan	115,707	199,183	259,455	366,624	458,824	600,000
TOTAL*	11,600,000	12,800,000	12,800,000	13,400,000	15,400,000	15,200,000

*Excluding cadmium known to have been produced in Netherlands, Poland, Sweden and U.S.S.R. In the case of South West Africa and Mexico the metal is extracted in other countries and, to avoid duplication, is excluded from the total.

(a) Information not available.

(b) Estimated cadmium content of copper-lead-zinc concentrates produced and exported for treatment.

(c) Bizonal area only.

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

(e) In addition secondary (metal and cadmium content of compounds) produced was as follows:

1949	..	..	..	384,398 lb.
1950	..	..	..	427,052 "
1951	..	..	..	167,957 "
1952	..	..	..	80,000 "
1953	..	..	..	70,000 "
1954	..	..	..	138,000 "

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Metal	5,520	(a)	(a)	(a)	(a)	(a)
Compounds	60,700	77,000	57,200	76,000	62,300	94,100
South West Africa (b) ..	1,688,000	1,584,000	752,000	1,024,000	1,008,000	684,000
Canada	633,607	676,005	824,850	620,344	969,563	776,391
Australia	390,000	383,000	298,000	307,000	634,000	385,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	(a)	1,003	324,079	121,254	167,551	318,788
France—						
Cadmium	—	220	1,102	441	882	661
Cadmium salts	61,730	441	22,716	13,007	661	1,323
Germany—						
Cadmium oxide	(a)	(a)	(e) —	2,646	16,314	24,030
Italy—						
Cadmium (incl. scrap) ..	(a)	(c) 16,314	31,967	3,086	89,660	62,832
Cadmium salts	(a)	(a)	33,069	1,102	13,300	8,598
Belgian Congo	(a)	70,303	54,793	43,100	70,405	68,099
Mexico (d)	1,732,776	1,518,359	1,970,476	1,618,391	2,113,342	1,130,332
United States—						
Metal	566,135	352,927	606,233	} 300,918	65,866	998,959
Alloys	3,000	9,106	5,639			
Dross, flue dust, etc. ..	500	—	200,579			
Peru	1,711	3,003	—	—	10,924	31,226

(a) Information not available.

(b) Cadmium content of concentrates exported for treatment.

(c) July to December only.

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

(e) October to December only.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Metal	685,511	1,073,454	1,485,056	1,381,838	767,177	1,601,930
Compounds	1,000	(a)	(a)	(a)	(a)	(a)
Australia—						
Cadmium salts ..	(b) 930	857	803	2,387	(b) 466	(b) 4,019
New Zealand—						
Cadmium and salts ..	900	300	200	200	300	—
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	26,455	39,683	33,069	22,046	28,660	48,722
France—						
Cadmium	483,694	372,581	620,160	199,959	225,533	367,070
Cadmium salts ..	44,313	33,510	21,825	7,937	5,732	44,533
Germany—						
Cadmium oxide ..	(a)	(a)	(c) 1,102	13,228	17,417	32,628
Italy—						
Cadmium	(a)	—	—	35,053	21,325	9,921
Cadmium sulphide ..	(a)	3,086	16,976	11,244	13,816	4,630
Sweden	290,516	235,895	213,848	248,525	174,165	295,419
Yugoslavia	(a)	4,630	1,323	4,275	10,194	4,623
United States—						
Cadmium	157,204	724,334	90,065	1,478,770	1,555,138	402,299
Flue dust (cadmium content)	1,789,667	1,507,417	1,606,775	1,991,549	1,863,538	1,482,565
Argentina—						
Cadmium salts ..	3,691	4,149	(a)	4,081	11,184	21,592
Chile—						
Cadmium	22	13	99	227	(a)	(a)
Cadmium salts ..	60	23	140	—	(a)	(a)
Turkey—						
Cadmium	86	68	26	51	15	35
Cadmium salts ..	49	128	157	203	518	917

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) October to December only.

CHINA CLAY
PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	634,205	734,648	908,840	789,908	809,288	974,066
Kenya	1,319	1,286	1,908	877	—	—
Southern Rhodesia	23,341	13,696	9,569	3,573	—	—
Tanganyika	162	59	156	256	1,204	296
Union of South Africa	5,679	8,323	10,526	7,361	7,785	12,890
Hong Kong	2,797	1,701	5,589	4,330	5,934	6,053
India	42,396	53,583	69,096	85,963	109,370	—
Malaya	1,173	1,435	1,719	1,128	1,241	1,352
Australia (e)	23,261	(c) 41,415	40,233	36,057	39,722	41,253
FOREIGN COUNTRIES						
Austria (crude)	159,349	182,814	208,204	198,652	193,743	237,365
Belgium	8,962	17,471	23,061	26,270	37,472	(a)
Denmark—						
Crude	7,683	12,495	13,022	14,177	10,929	(a)
Washed and pressed	6,485	2,881	7,103	7,423	6,225	(a)
Washed and unpressed	—	3,615	(a)	(a)	(a)	(a)
Washed waste	9,572	8,456	5,671	7,184	5,665	(a)
France	121,530	99,596	104,741	(d) 153,314	(d) 165,800	109,000
Germany (Federal)	(f) 180,618	288,825	292,825	278,564	267,357	290,929
Greece	4,972	6,240	8,000	8,624	12,450	(a)
Italy—						
Crude	60,251	57,928	55,835	74,747	44,753	(a)
Kaolinic earth	19,650	21,513	23,961	5,616	15,403	(a)
Portugal—						
Crude	12,500	16,602	11,025	20,717	24,137	23,359
Washed	7,426	10,364	26,168	10,064	12,653	15,188
Kaolinic sand (g)	242	301	243	76	279	70
Spain (crude)	31,202	37,937	49,691	60,195	64,855	87,764
Sweden (washed) (b)	6,910	6,078	1,339	2,401	1,553	1,707
Algeria	2,903	750	1,450	1,999	381	374
Egypt	199	69	236	—	286	845
Eritrea	2,850	1,000	(a)	(a)	(a)	(a)
Madagascar	82	126	75	70	50	46
Morocco (Spanish)	(a)	(a)	44	73	143	2
Mozambique	—	53	—	—	—	108
United States (b)	1,263,872	1,563,266	1,666,338	1,633,127	1,629,000	(a)
Argentina	26,029	(a)	(a)	25,000	24,000	26,000
Chile	11,516	8,586	8,798	4,320	(a)	(a)
Peru (b)	767	460	465	156	141	(a)
Japan	7,178	(a)	(a)	12,703	14,907	(a)
Korea (South)	9,958	5,177	7,577	1,738	14,391	9,308

China clay is known to have been produced in Bulgaria, Czechoslovakia, Roumania, U.S.S.R., Brazil, China, Indonesia and Siam.

(a) Information not available.

(b) Sales.

(c) Including Pottery clay produced in Victoria.

(d) Including Kaolinic earth.

(e) Excluding South Australia up to and including 1951.

(f) Bizonal area.

(g) Kaolin content.

EXPORTS OF CHINA CLAY

(Domestic Produce)

(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom	295,233	405,225	471,666	458,409	475,956	572,584
Tanganyika	46	18	46	161	1,230	256
Union of South Africa	—	—	485	12	56	10
Hong Kong	(a)	(a)	(a)	2,024	2,491	3,632
Malaya (b)	29	158	258	250	130	118
FOREIGN COUNTRIES						
Austria	12,135	12,292	14,074	15,407	14,904	18,681
Belgium-Luxemburg						
E.U.	446	1,042	168	2,283	38	525
Denmark	—	33	34	15	499	576
France—						
China clay	5,045	4,890	6,753	3,575	3,241	2,508
Kaolinic earth	4,004	1,349	1,666	1,310	1,242	1,141
Germany (Federal)	4,150	10,037	15,382	15,345	16,482	18,408
Italy	—	24	49	79	21	73
Portugal	773	2,024	9,938	5,125	5,821	7,847
Spain	55	174	205	2,666	5,788	(a)
Sweden	8	60	907	359	39	15
Algeria	562	536	633	507	461	706
Morocco (Spanish)	(a)	(a)	115	20	—	(a)
United States	19,499	25,233	32,531	35,985	38,920	43,928
Chile	280	693	—	338	(a)	(a)

Czechoslovakia is known to be a large exporter of china clay.

(a) Information not available.

(b) Including re-exports.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) ..	276	(a)	(a)	(a)	(a)	(a)
Union of South Africa (c) ..	613	538	712	610	1,259	(a)
Canada	75,447	83,062	96,097	89,295	100,769	83,523
Hong Kong (total imports)	(a)	(a)	(a)	(a)	86	222
India	3,314	2,664	6,470	7,394	11,675	11,960
Malaya (total imports) ..	30	5	3	19	2	25
Australia	721	2,108	644	2,709	129	433
New Zealand	649	875	580	774	741	1,003
FOREIGN COUNTRIES						
Austria	1,134	858	1,725	1,431	1,079	1,244
Belgium-Luxemburg E.U.	34,763	36,386	48,376	31,038	34,927	41,933
Denmark—						
Crude	968	18,478	20,876	21,780	19,041	26,187
Washed	14,883					
Finland (total imports)	15,486	18,405	29,720	26,995	22,186	33,540
France—						
China clay	9,510	30,655	55,002	33,520	36,069	49,006
Kaolinic earth	1,631	1,716	1,288	1,211	1,255	921
Germany (Federal)	44,725	61,002	70,964	90,623	89,087	112,879
Italy	25,878	33,266	41,010	51,717	51,217	61,652
Netherlands (d)	43,511	54,092	53,925	49,030	57,931	56,025
Norway	17,628	19,410	25,747	23,917	24,449	25,555
Portugal	14	48	28	59	62	110
Spain	242	184	1,082	105	75	(a)
Sweden	35,310	41,610	50,208	45,589	53,023	58,970
Yugoslavia	(a)	741	305	119	186	1,272
Algeria	1,409	1,545	3,149	1,068	2,518	2,594
United States	68,952	109,798	98,638	92,801	106,049	119,959
Argentina	2,306	1,819	(a)	400	95	1,507
Chile	24	37	105	71	(a)	(a)
Colombia	(a)	(a)	260	232	85	400
Peru	88	125	70	174	102	253
Uruguay	1,006	1,707	1,271	(a)	(a)	(a)
Indonesia	(a)	268	1,465	1,060	547	778
Iran	(a)	(a)	2	16	(a)	(a)
Japan	(a)	(a)	2,967	4,368	7,197	9,967
Philippine Republic	40	207	14	212	149	537
Turkey	62	4	88	101	126	26

(a) Information not available.

(b) Including ball clay.

(c) Including Cornish or china stone.

(d) Including pipe clay.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	Estimated Cr ₂ O ₃ content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES												
Sierra Leone	21,752	7,399	16,165	23,493	24,354	18,343	9,100	3,100	6,800	9,900	10,200	7,700
Southern Rhodesia .. .	239,662	286,922	295,527	317,571	413,420	395,097	115,000	138,000	142,000	152,000	198,000	190,000
Union of South Africa ..	397,967	488,487	536,399	570,866	713,006	631,196	179,000	219,000	240,000	256,000	319,000	284,000
Canada	322	—	—	—	—	—	140	—	—	—	—	—
Cyprus (b)	13,862	16,371	12,349	11,594	6,829	9,150	6,511	7,792	5,938	5,461	3,178	4,285
India	19,416	16,729	16,702	35,187	64,770	45,507	9,700	8,000	8,000	17,400	31,100	21,800
Pakistan	15,673	18,125	17,498	17,230	23,439	21,863	7,500	8,700	8,400	8,300	11,200	10,500
Australia	632	891	1,380	1,398	2,741	4,943	(a)	(a)	(a)	576	1,131	2,094
TOTAL	709,300	834,900	895,100	977,300	1,248,600	1,126,100						
FOREIGN COUNTRIES												
Albania	(a)	51,000	(a)	(a)	54,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Greece	3,666	12,627	24,933	31,654	36,178	26,383	1,300	4,500	9,000	11,400	16,000	12,000
Portugal	87	44	32	106	5	21	34	18	13	42	2	8
U.S.S.R. (estimated) .. .	(a)	450,000	550,000	600,000	600,000	600,000	(a)	(a)	(a)	(a)	(a)	(a)
Yugoslavia	107,400	112,924	98,065	105,529	124,956	122,514	41,000	(a)	(a)	(a)	(a)	(a)
Egypt	49	—	—	—	78	522	20	—	—	—	—	(a)
Cuba	95,830	64,780	77,816	60,832	68,933	71,438	(a)	(a)	(a)	(a)	(a)	(a)
Guatemala	300	142	1,120	60	394	100	(a)	(a)	(a)	(a)	(a)	(a)
United States	387	361	6,300	19,021	52,515	142,628	180	(a)	3,100	9,000	21,500	54,900
Brazil	(c)	3,176	2,378	2,607	3,520	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Japan	26,682	32,438	40,302	46,406	36,981	31,983	9,800	11,900	14,400	16,400	13,000	11,200
Philippine Republic .. .	242,847	246,555	329,287	534,930	548,292	444,059	102,000	108,000	147,000	239,000	241,000	157,000
Turkey	445,382	415,030	588,343	763,065	637,581	531,520	214,000	199,000	282,000	366,000	306,000	255,000
New Caledonia	87,585	83,462	87,390	105,960	119,672	83,611	45,600	43,400	45,400	55,100	64,000	43,500
TOTAL (d)	1,420,000	1,470,000	1,850,000	2,320,000	2,280,000	2,110,000						
World's Total (d) .. .	2,130,000	2,305,000	2,750,000	3,300,000	3,530,000	3,240,000						

Chrome ore was also produced in Iran as follows (years ended March 20 following): 1952—14,015; 1953—12,643; 1954—8,952.

(a) Information not available.

(b) Figures relate to saleable production.

(c) Exports.

(d) Revised.

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Chromium metal	128	161	86	331	275	237
Ferro-chrome	29	(a)	(a)	(a)	(a)	(a)
Chromates of potash	697	653	200	454	361	490
Chromates of soda	1,599	2,057	1,964	1,467	1,422	2,413
Sierra Leone—						
Ore	17,656	13,909	11,930	23,970	26,096	15,120
Southern Rhodesia—						
Ore	202,468	237,976	300,593	263,496	422,827	284,355
Ferro-chrome	(a)	(a)	(a)	(a)	247	2,294
Union of South Africa—						
Ore	303,890	483,923	494,195	400,904	505,790	435,295
Canada—						
Ferro-chrome	16,204	29,389	39,046	39,545	30,200	13,664
Cyprus—						
Ore and concentrates	14,640	18,150	12,453	13,274	7,277	9,867
India (b)—						
Ore	6,382	3,864	8,113	(d) 8,936	(d) 15,357	(d) 23,353
Pakistan—						
Ore	(a)	12,154	19,351	16,400	19,853	13,200
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Chromates of potash and soda	144	391	712	132	97	1
France—						
Ferro-chrome	172	2,370	4,338	4,599	6,232	6,051
Chromates, chrome alum, etc.	1,814	786	930	797	276	1,308
Germany (Federal)						
Chromates of potash and soda, and oxides of chromium	1,905	5,030	3,208	(a)	(a)	(a)
Greece—						
Ore	—	9,389	23,414	29,677	27,506	22,168
Italy—						
Ferro-chrome	20	195	528	200	67	5
Chromates and bichromates	(a)	(c) 197	1,577	345	448	227
Netherlands—						
Chromium compounds	16	32	35	—	6	55
Norway—						
Ferro-chrome	14,559	16,152	21,624	19,414	14,293	10,562
Portugal—						
Ore	786	689	—	—	—	—
Sweden—						
Ore	—	—	15	—	—	—
Ferro-chrome	1,079	4,624	5,150	6,488	5,694	6,325
Chromates and chrome alum	1,168	1,615	1,736	664	882	1,007

(a) Information not available.

(b) Including chrome ore mined in British India, but exported via the Portuguese port of Mormugao as follows: 1949—610 tons, 1950—1,100 tons, 1951—Nil, 1952—(a), 1953—(a), 1954—(a).

(c) July to December only.

(d) Sea-borne trade only.

EXPORTS OF CHROME ORE, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ferro-chrome, including ferro-silicon	1,569	1,289	3,724	3,235	1,369	2,273
U.S.S.R.—						
Ore (b)	102,758	71,959	20,957	10,226	21,472	17,576
Yugoslavia—						
Ore	(a)	39,677	52,113	50,388	54,039	8,053
Egypt—						
Ore	(a)	(a)	(a)	(a)	556	(a)
Cuba—						
Ore	72,383	115,505	89,568	83,963	75,075	8,804
United States—						
Ore	2,127	1,825	1,813	1,367	1,041	771
Ferro-chrome	1,964	309	214	1,138	542	1,879
Chromates of potash ..	1,270	372	1,611	706	172	565
Chromates of soda ..	5,100	1,828	7,862	2,930	2,142	4,448
Brazil—						
Ore	3	(a)	(a)	(a)	—	—
Japan—						
Ferro-chrome	(a)	1,319	251	14	49	7
Bichromates	(a)	85	440	7	810	635
Philippine Republic—						
Ore	231,441	245,977	336,656	508,160	572,581	456,328
Turkey—						
Ore	347,667	348,018	496,639	616,514	667,742	350,929
New Caledonia—						
Ore	101,287	72,799	91,670	101,037	110,379	58,559

(a) Information not available.

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

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore	131,710	105,879	131,802	167,561	160,375	134,686
Chromium metal	5	—	—	—	1	—
Ferro-chrome	10,054	12,117	22,279	33,729	16,821	9,134
Ferro-silicon-chrome	(a)	(a)	(a)	588	171	662
Chromates of potash	—	—	14	2	25	—
Chromates of soda	—	1	88	110	1,281	1,820
Canada—						
Ore	59,148	106,540	131,249	132,449	105,439	33,497
Bichromate of potash	143	137	211	170	116	136
Bichromate of soda	1,400	2,004	3,138	1,655	2,234	1,940
India (total imports)—						
Ferro-chrome	(a)	(a)	(a)	(a)	50	87
Bichromate of potash	—	—	2	—	—	1
Bichromate of soda	2	—	—	—	54	455
Pakistan (b)—						
Bichromate of potash	(a)	(a)	23	7	27	46
Bichromate of soda	(a)	(a)	255	257	(a)	(a)
Australia—						
Ore	6,848	3,091	3,654	6,243	4,080	5,282
Ferro-chrome	(a)	495	755	1,514	1,154	615
Bichromate of potash (c)	81	53	26	8	2	8
Chromates of soda (c)	256	312	124	66	19	200
New Zealand—						
Bichromate of potash	38	24	40	35	15	14
Bichromate of soda	103	132	223	142	52	89
FOREIGN COUNTRIES						
Austria—						
Ore	(a)	(a)	48,183	49,197	59,695	57,165
Ferro-chrome	3,271	4,686	3,249	3,933	3,391	5,467
Chromates	325	662	393	569	673	732
Belgium-Luxemburg						
E.U.—						
Ore	1,426	1,036	3,421	2,334	341	415
Chromates of potash and soda	652	786	813	649	1,229	1,329
Denmark—						
Chromates of potash and soda	286	233	437	209	188	486
Finland (total imports)—						
Ferro-chrome	410	410	607	628	715	44
Chromates of potash and soda	414	224	608	551	353	181
Chrome sulphate	271	166	300	98	57	229
France—						
Ore	46,559	21,218	67,833	82,871	63,362	57,755
Ferro-chrome	501	5	1	—	4	13
Chromates	731	472	2,222	1,022	1,676	3,522

(a) Information not available.

(c) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated.

IMPORTS OF CHROME ORE, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Ore	49,137	72,788	104,944	103,426	96,870	204,578
Italy—						
Ore	(a)	(b) 6,180	17,028	18,465	13,618	25,975
Ferro-chrome	1,534	1,924	907	1,407	2,385	3,210
Chromates	(a)	(b) 116	50	564	1,006	614
Chrome alum	55	313	138	74	255	364
Netherlands—						
Ore	(a)	(a)	189	141	231	303
Chromium compounds	1,246	1,375	2,164	1,322	2,077	2,575
Norway—						
Ore	39,242	51,634	49,130	49,716	47,317	30,356
Portugal—						
Chromates of potash and soda	5	1	1	46	33	79
Chrome alum	3	1	—	7	—	—
Spain—						
Chromates	28	228	2	—	—	(a)
Sweden—						
Ore	30,917	54,319	40,843	47,441	56,863	40,168
Ferro-chrome	2,255	2,035	2,462	1,612	1,310	1,350
Chrome alum	—	1	—	1	14	—
Chromates	598	854	843	1,428	185	533
Switzerland—						
Ferro-chrome and ferro-silicon	1,321	1,280	8,037	3,070	1,375	3,411
Egypt—						
Chromates of potash and soda	293	(a)	(a)	416	865	323
Mexico—						
Chromates	—	387	1,442	780	869	1,202
United States—						
Ore	1,074,920	1,161,087	1,275,911	1,517,944	1,984,600	1,312,561
(Cr ₂ O ₃ content)	476,420	517,305	545,300	636,272	839,888	543,513
Ferro-chrome	3,515	11,375	14,671	10,808	18,396	8,539
(Cr content)	—	53	83	135	158	127
Metal and alloys	—	53	83	135	158	127
Argentina—						
Bichromate of potash ..	147	87	(a)	351	46	1,029
Bichromate of soda ..	1,811	450	(a)	1,095	551	1,489
Chromate of lead	122	43	(a)	1	—	—
Chrome alum	71	86	(a)	119	20	50
Brazil—						
Chromates of potash and soda	1,571	(a)	318	1,362	434	3,691
Other chromium salts	109	(a)	25	8	82	608
Chile—						
Ferro-chrome	—	—	—	124	(a)	(a)
Colombia—						
Chrome alum	(a)	(a)	229	52	37	2
Chromates	(a)	(a)	296	117	112	92
Peru—						
Chromium compounds	108	54	151	127	90	114
Japan—						
Ore	(a)	6,986	27,902	13,282	19,789	58,543
Ferro-chrome	(a)	(a)	(a)	(a)	(a)	488
Turkey—						
Chromates	89	89	59	90	110	95
Chrome alum	14	26	53	58	77	19

(a) Information not available.

(b) July to December only.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL

(Including Brown Coal and Lignite)

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
Mined—						
Anthracite	3,724,200	3,654,900	3,731,500	3,707,800	3,672,200	3,707,400
Bituminous	198,964,500	200,484,500	208,151,100	210,615,900	208,831,200	210,286,100
Opencast (b)	12,482,100	12,185,400	11,009,800	12,167,100	11,704,100	10,096,200
Northern Ireland—						
Bituminous	650	570	1,296	890	2,180	2,390
Nigeria						
.. .. .	550,517	583,238	550,281	581,048	700,264	635,841
Southern Rhodesia						
.. .. .	1,887,513	2,094,501	2,263,794	2,518,947	2,577,172	2,704,758
Tanganyika						
.. .. .	—	—	—	—	43	522
Union of South Africa						
.. .. .	25,093,379	26,055,179	26,211,876	27,621,036	28,009,840	28,851,726
Canada—						
Bituminous	12,613,095	12,155,639	11,931,686	11,320,895	10,249,460	9,232,692
Sub-bituminous	2,788,297	2,965,690	2,678,587	2,514,406	2,142,834	2,193,056
Lignite	1,670,078	1,967,163	1,985,105	1,860,237	1,804,736	1,889,946
India						
.. .. .	31,695,375	32,307,481	34,432,396	36,303,589	35,979,167	36,773,605
Pakistan						
.. .. .	331,964	435,149	504,703	600,026	583,727	553,743
Malaya						
.. .. .	385,502	415,777	382,539	314,922	286,364	224,540
Australia—						
Bituminous (c)	} 14,107,442	16,548,377	{ 16,112,041	17,796,168	16,846,196	17,921,841
Sub-bituminous .. .. .							1,496,387	1,608,930	1,564,649	1,839,540
Lignite	7,375,559	7,327,119	7,836,056	8,103,764	8,257,299	9,331,255
New Zealand—						
Anthracite	1,885	1,959	672	808	1,944	2,003
Bituminous	934,802	919,029	677,258	860,898	772,242	811,952
Sub-bituminous	1,577,908	1,468,397	1,470,465	1,658,353	1,543,492	1,590,914
Lignite	298,680	280,066	287,110	229,749	201,037	189,387
TOTAL	316,470,000	321,850,000	331,714,000	340,385,000	335,731,000	338,839,000
Irish Republic—						
Anthracite	28,465	47,522	54,799	51,536	71,724	(a)
do. dust	19,213	49,250	49,679	56,836	41,440	(a)
Semi-bituminous	65,556	53,460	53,329	41,989	37,132	(a)
Other	13,369	18,945	18,449	12,717	13,704	(a)

(a) Information not available.

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

1949—Anthracite	610,800	Bituminous	11,871,300
1950—	902,300	”	11,283,100
1951—	617,600	”	10,392,000
1952—	475,700	”	11,691,400
1953—	527,800	”	11,176,300
1954—	769,200	”	9,327,000

(c) Including semi-anthracite.

PRODUCTION OF COAL (cont.)

Producing Country	1949	1950	1951	1952	1953	1954	
FOREIGN COUNTRIES							
Albania—							
Bituminous (b) ..	(a)	40,000	40,000	40,000	40,000	57,000	
Lignite (b) ..	(a)	28,000	30,000	30,000	30,000	30,000	
Austria—							
Bituminous	180,166	180,053	192,581	187,323	159,014	173,893	
Brown coal	3,755,635	4,239,706	4,909,890	5,097,162	5,486,021	6,185,570	
Belgium	27,414,085	26,889,325	29,182,900	29,904,481	29,585,530	28,786,800	
Bulgaria	4,647,746	5,621,449	6,021,387	7,293,400	8,284,000	8,864,000	
Czechoslovakia—							
Bituminous	16,879,000	18,159,000	18,010,000	19,800,000	20,020,000	21,200,000	
Brown coal	25,983,000	27,072,000	30,500,000	32,000,000	32,250,000	35,500,000	
Denmark—							
Lignite	1,575,000	758,000	1,557,000	1,576,000	785,000	(a)	
France—							
Anthracite and bituminous	50,395,681	50,032,260	52,138,156	54,491,000	51,757,000	53,546,000	
Lignite	1,814,309	1,659,681	1,971,168	1,959,000	1,917,000	1,880,000	
Germany—							
Federal Republic—							
Bituminous	103,155,000	110,542,800	118,776,000	123,089,000	124,163,000	127,714,000	
Brown coal	71,085,000	74,643,000	81,808,000	82,049,000	83,219,000	86,425,000	
East Germany —							
Bituminous	2,971,000	2,763,000	3,363,000	3,469,000	3,098,000	(b)3,000,000	
Brown coal	122,000,000	136,100,000	150,100,000	156,600,000	175,451,000	180,900,000	
Greece—							
Lignite	177,000	157,000	188,000	212,000	437,464	(b) 500,000	
Hungary—							
Bituminous	1,360,000	1,500,000	1,600,000	1,800,000	2,100,000	} 22,000,000	
Brown coal and lignite	10,271,000	11,600,000	13,400,000	16,700,000	18,900,000		
Italy—							
Anthracite	74,064	67,537	80,762	80,326	67,083	62,548	
Bituminous	1,012,669	947,012	1,067,803	991,687	1,045,896	994,051	
Brown coal	849,590	768,479	864,764	828,469	745,550	627,953	
Netherlands—							
Bituminous	11,520,099	12,053,935	12,227,944	12,334,371	12,103,000	11,880,000	
Brown coal	195,278	191,011	245,122	231,208	248,495	169,000	
Poland—							
Bituminous	73,306,000	76,769,000	80,697,000	83,103,000	87,197,000	89,900,000	
Brown coal	4,554,000	4,764,000	5,800,000	6,100,000	6,800,000	7,000,000	
Portugal—							
Anthracite	436,458	412,208	410,225	435,081	470,766	425,233	
Brown coal	113,006	92,107	83,799	75,627	70,275	64,144	
Roumania—							
Anthracite	} 200,000	300,000	300,000	400,000	} 6,000,000	6,100,000	
Bituminous		} 2,700,000	2,900,000	3,500,000			380,000
Brown coal							
Lignite							
Saar	14,038,000	14,853,000	16,027,000	15,979,000	16,160,000	16,552,000	
Spain—							
Anthracite	1,416,487	1,480,368	1,575,618	1,807,414	1,919,484	1,924,000	
Bituminous	9,244,921	9,461,785	9,795,249	10,262,853	10,279,933	10,264,000	
Lignite	1,311,135	1,294,892	1,473,434	1,574,742	1,763,178	1,712,000	
Spitzbergen—							
Norwegian mines ..	449,332	358,158	462,571	446,242	420,748	333,224	
Russian mines	121,000	(c) 183,705	(c) 244,862	(c) 248,895	(c) 258,743	(a)	

(a) Information not available.

(b) Estimated.

(c) Exports.

PRODUCTION OF COAL (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden	311,612	304,411	274,364	341,515	280,152	263,059
U.S.S.R. (b)	230,000,000	256,000,000	280,000,000	300,000,000	316,000,000	340,000,000
Yugoslavia—						
Bituminous	1,268,000	1,136,000	976,000	995,000	910,000	965,000
Brown coal and lignite	10,661,000	11,527,000	10,875,000	10,912,000	10,158,000	12,465,000
Algeria—						
Bituminous	261,000	253,700	242,700	265,122	289,906	298,000
Belgian Congo	149,964	157,441	214,459	248,891	310,220	372,955
Madagascar	16	1,870	5,380	3,504	4,493	973
Morocco (French)—						
Anthracite	336,025	362,058	387,730	452,700	556,100	478,300
Mozambique	12,899	55,087	87,554	113,143	159,120	139,322
Tunis—						
Lignite	46,500	40,500	8,040	—	—	—
Greenland	7,000	8,000	7,000	8,000	7,000	8,000
Mexico	1,012,000	927,000	1,087,000	1,296,069	1,409,000	1,292,862
United States—						
Anthracite	38,126,539	39,354,199	38,098,212	36,234,427	27,633,171	24,212,000
Bituminous	388,192,773	457,983,113	473,547,882	414,128,109	405,749,479	347,518,000
Lignite	2,760,830	3,008,898	2,938,486	2,694,018	2,545,564	2,482,000
Argentina	16,937	25,700	38,900	111,000	118,000	—
Brazil	2,100,147	1,951,743	1,918,759	1,930,321	1,992,948	1,987,420
Chile—						
Bituminous	2,043,892	2,146,478	2,176,371	2,411,378	2,299,077	2,231,520
Colombia	492,000	(a)	(a)	(b)1,000,000	1,206,000	1,500,000
Peru—						
Anthracite	27,552	32,384	62,755	78,421	67,828	(a)
Bituminous	139,454	160,133	120,032	143,387	139,102	(a)
Venezuela	23,403	24,985	27,100	24,796	28,979	31,541
Afghanistan	5,000	9,000	13,306	12,200	15,330	14,000
China (b) (c)	16,000,000	39,000,000	51,000,000	62,500,000	68,000,000	80,000,000
Formosa	1,623,000	1,412,000	1,631,000	2,250,000	2,354,000	2,084,000
French Indo-China—						
Anthracite	370,274	486,607	632,100	824,568	819,057	971,600
Indonesia	651,990	791,730	854,012	943,556	883,159	879,640
Iran (b)	200,000	250,000	250,000	250,000	250,000	250,000
Japan—						
Anthracite	768,000	674,000	933,000	992,000	1,075,000	1,228,000
Bituminous	36,695,000	37,179,000	41,703,000	41,679,000	44,714,000	40,817,000
Lignite	2,055,000	1,264,000	1,382,000	1,515,128	1,462,322	1,417,000
Korea (South)—						
Anthracite	965,400	554,900	232,700	566,808	852,749	876,892
Lignite	62,500	23,000	3,100	2,219	263	—
Philippine Republic	121,388	156,314	148,311	137,238	152,458	117,738
Turkey—						
Bituminous	4,116,645	4,291,728	4,654,892	4,769,801	5,067,653	5,623,872
Lignite	1,251,848	1,184,501	1,234,997	1,365,120	1,299,791	2,062,285
TOTAL	1,300,000,000	1,470,000,000	1,570,000,000	1,560,000,000	1,590,000,000	1,600,000,000
WORLD'S TOTAL ..	1,670,000,000	1,792,000,000	1,902,000,000	1,900,000,000	1,926,000,000	1,939,000,000

(a) Information not available.

(b) Estimated.

(c) Revised.

PRODUCTION OF COKE
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
Gas-works—coke (b) ..	11,318,900	11,768,200	12,354,300	12,532,100	12,301,200	12,259,000
breeze (b) ..	2,546,700	2,705,000	2,689,400	2,770,500	2,747,200	2,795,000
Coke-ovens—coke ..	15,491,000	15,381,400	16,096,200	17,091,800	17,481,200	17,852,500
breeze ..	930,400	1,017,000	1,000,700	1,039,900	1,085,300	1,162,100
Northern Ireland—						
Gas-works ..	167,300	164,000	173,700	170,400	169,820	172,300
Southern Rhodesia ..						
Union of South Africa ..	79,969	94,357	92,786	108,605	133,462	142,289
Canada—						
Gas-works—coke ..	235,254	216,497	212,723	153,366	134,154	163,763
breeze ..	1,783	1,996	1,691	1,063	28,643	
Coke-ovens—coke ..	2,989,983	3,103,922	3,072,097	3,236,852	3,359,133	2,882,333
breeze ..	223,518	217,474	223,869	230,732	275,242	
India—						
Gas-works ..	80,004	75,440	74,606	89,011	98,284	90,546
Hard ..	2,006,019	2,215,089	2,201,641	2,177,221	2,011,560	2,323,434
Soft ..	1,025,122	1,268,870	1,250,165	1,289,411	1,472,517	1,538,607
Australia (d)—						
Gas-works—coke ..	1,181,516	988,336	1,041,715	1,203,602	1,071,106	839,793
breeze ..	69,160	75,606	118,231	123,231	62,965	366,041
Coke-ovens—coke ..	1,150,039	1,164,401	1,586,461	1,636,982	1,858,428	2,010,404
breeze ..	83,439	87,394	108,658	119,288	90,135	139,758
New Zealand (e)—						
Gas-works ..	93,419	95,523	69,158	88,533	74,672	(a)
Irish Republic—						
Gas-works (c) ..	86,392	83,975	89,902	89,065	88,188	(a)
FOREIGN COUNTRIES						
Austria—						
Gas-works ..	555,519	547,520	449,830	447,170	402,467	449,786
Coke-ovens ..	844,963	971,705	1,068,540	1,210,285	1,198,236	1,330,762
Belgium—						
Gas-works ..	33,400	27,959	22,569	20,763	19,452	17,700
Coke-ovens ..	4,955,270	4,525,440	6,000,110	6,306,015	5,851,516	6,049,700
Czechoslovakia—						
Coke-ovens ..	4,612,000	4,799,000	(a)	(a)	8,400,000	9,200,000
Denmark (gas-works) .. (f) 574,100						
Finland (gas-works) ..	66,684	66,622	74,806	113,264	117,110	103,963
France—						
Gas-works (sales) ..	2,243,300	2,061,100	2,800,000	2,586,000	2,398,000	2,090,000
Coke-ovens ..	6,793,603	6,915,490	7,975,326	9,069,000	8,763,000	8,328,960
Semi-coke ..	232,303	248,270	267,401	273,000	263,000	311,700
Germany (Federal)—						
Gas-works ..	2,661,800	2,094,000	3,242,000	3,350,000	3,967,000	4,218,000
Coke-ovens—Hard coke	24,743,000	26,901,700	33,102,000	36,679,000	37,231,000	34,465,000
do. Brown-coal coke	594,400	654,300	680,000	690,000	713,000	682,000
Germany (East) ..	(a)	(a)	(a)	(a)	2,270,000	2,560,000

- (a) Information not available
 (b) Excluding 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) Year ended March 31 of the year following that stated.

PRODUCTION OF COKE (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Greece (gas-works) ..	15,300	(a)	30,818	29,707	30,020	(a)
Italy—						
Gas-works	966,708	1,049,857	1,074,681	1,095,760	1,059,832	1,014,835
Coke-ovens	1,487,304	1,486,469	2,146,135	2,435,241	2,400,104	2,573,400
Netherlands—						
Gas-works	998,600	980,000	943,000	913,000	811,000	845,000
Coke-ovens	2,435,300	2,759,600	2,926,000	3,177,000	3,153,000	3,303,000
Norway (gas-works) ..	71,198	60,031	60,154	64,270	62,488	61,484
Poland—	5,662,000	5,952,000	6,250,000	7,234,000	7,800,000	(b)8,000,000
Portugal (gas-works)—						
Coke	20,096	24,498	26,383	27,784	33,614	(a)
Breeze	6,775	(a)	(a)	(a)	(a)	(a)
Coke dust	4,191	(a)	(a)	(a)	(a)	(a)
Saar—						
Gas-works	2,000	600	—	—	—	—
Coke-ovens	3,275,026	3,176,023	3,706,056	3,825,831	3,532,580	3,493,450
Semi-coke	37,413	50,222	85,323	92,105	81,728	80,180
Spain—						
Gas-works	211,067	197,056	212,783	218,807	223,174	241,622
Coke-ovens	952,217	931,158	979,136	1,169,871	1,161,388	1,205,000
Sweden (including breeze)	659,471	618,604	557,931	660,833	700,498	(a)
Switzerland—						
Gas-works	393,700	406,500	459,000	451,000	441,000	434,000
Yugoslavia—						
Gas-works	39,228	31,858	29,397	24,188	23,680	22,777
Coke-ovens	—	—	—	14,788	291,045	397,747
Algeria (gas-works) ..	41,795	75,242	94,815	89,614	92,267	87,460
Canary Islands (gas-works)	1,158	1,343	364	(a)	(a)	(a)
Tunis (gas-works) ..	18,448	12,732	12,633	12,331	15,605	10,547
United States—						
Coke-ovens—						
Coke	50,512,936	56,314,174	60,993,882	54,571,748	63,603,534	51,718,149
Breeze and screenings	4,061,587	4,299,431	4,290,490	3,923,677	4,505,913	3,432,971
Coke-ovens (gas-works)						
(c)—						
Coke	3,257,137	3,409,592	3,280,379	2,437,283	2,104,973	1,015,281
Breeze and screenings	339,383	319,103	286,147	218,617	184,700	76,452
Beehive—						
Coke	3,049,061	5,203,054	6,556,723	3,932,137	4,681,544	536,655
Breeze and screenings	53,120	80,993	78,262	57,376	74,514	24,574
Gas-works—						
Coke	338,769	155,734	113,070	40,102	211,800	228,486
Breeze and screenings	52,139	22,192	17,326	4,185	2,155	—
Brazil (d)	267,419	282,069	281,093	295,604	326,794	449,575
Chile	122,468	119,582	117,128	111,211	107,814	105,040
Colombia (b)	2,000	2,000	2,000	2,000	2,000	2,500
Uruguay (gas-works)—						
Coke	27,728	32,116	33,408	35,874	35,101	34,877
Breeze	3,253	4,139	4,926	5,743	5,797	5,797
Formosa—						
Gas-works	(a)	(a)	(a)	2,275	4,568	4,997
Coke-ovens	(a)	(a)	149,299	160,521	140,884	118,175
Japan—						
Gas-works	1,287,000	1,311,000	1,661,905	1,853,375	2,107,836	2,173,000
Coke-ovens	1,559,000	2,055,000	2,738,209	2,967,068	3,726,254	3,437,000
Beehive, etc.	980,000	614,000	1,060,035	962,574	968,444	886,000
Turkey—						
Gas-works	52,857	54,932	(a)	(a)	(a)	(a)
Coke-ovens	288,680	299,052	302,990	393,552	540,034	501,072
Semi-coke	70,221	(a)	(a)	(a)	(a)	(a)
Korea (South)	(a)	4,821	3,246	3,090	1,756	1,049

(a) Information not available.

(b) Estimated.

(c) By-product coke plants owned by gas companies.

(d) Volta Redonda only.

PRODUCTION OF BRIQUETTES

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	1,512,000	1,397,000	1,747,000	1,776,000	1,576,000	1,682,000
Canada	452,646	403,742	353,571	634,904	632,583	741,911
Australia (b)—						
Brown-coal briquettes..	558,899	588,564	511,404	568,252	544,973	587,252
New Zealand	13,715	11,132	11,078	11,240	11,760	13,187
Irish Republic	1,823	1,050	2,755	1,317	1,795	(a)
FOREIGN COUNTRIES						
Belgium	770,946	1,003,617	1,781,542	1,459,436	1,311,582	1,356,600
Denmark—						
Brown-coal briquettes..	38,317	19,217	26,902	19,249	21,967	
France	6,170,954	6,212,006	7,946,925	7,816,000	6,874,000	6,626,000
Germany (Federal)—						
Coal briquettes	3,529,500	3,662,900	4,039,000	4,883,000	4,822,000	5,532,000
Brown-coal briquettes..	14,024,600	14,676,900	15,672,500	16,144,000	16,317,000	16,404,000
Germany (East)—						
Brown-coal briquettes..	(a)	(a)	(a)	(a)	55,429,000	d 59,400,000
Italy—						
Anthracite briquettes ..	8,370	2,366	492	—	(a)	(a)
Netherlands—						
Coal briquettes	976,134	1,032,524	1,045,571	929,533	890,102	904,000
Brown-coal briquettes..	60,204	55,541	71,358	72,238	82,268	81,000
Poland—						
Coal briquettes	681,826	619,100	(a)	(a)	(a)	(a)
Brown-coal briquettes..	168,570	166,700	(a)	(a)	(a)	(a)
Portugal	70,476	77,952	89,923	92,791	60,774	64,321
Spain	1,117,919	1,112,509	1,142,213	1,130,306	1,145,138	1,098,000
Sweden	58,558	3,168	57,006	21,196	1,072	(a)
Switzerland (estimated)	100,000	100,000	100,000	100,000	100,000	100,000
Algeria	49,328	64,553	65,765	51,064	39,465	28,581
Morocco (French)	14,380	34,027	24,364	15,300	17,759	14,386
Tunis	43,444	41,481	36,347	14,552	10,979	5,606
United States (c)	2,146,403	2,473,232	2,131,446	2,035,496	1,589,340	1,450,412
French Indo-China	(a)	(a)	(a)	(a)	(a)	49,152
Korea (South)	(a)	36,700	27,000	46,400	56,200	72,266

(a) Information not available.

(b) Years ended June 30 of that stated.

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

1949—112,454; 1950—121,145; 1951—106,728; 1952—85,953; 1953—71,189; 1954—69,071.

(d) Estimated.

PRODUCTION OF COAL BY-PRODUCTS*

(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
Tar (quantity distilled)	2,481,000	2,530,000	2,700,000	2,710,000	2,710,000	2,777,000
Road tar (incl. refined)	648,000	616,000	608,000	610,000	593,000	653,000
Pitch	643,000	599,000	639,000	646,000	632,000	547,000
Motor benzol	230,600	216,900	195,700	225,900	197,600	197,600
Other motor spirits, etc.	134,000	134,300	119,700	117,700	117,700	115,300
Other refined light oils	94,100	116,100	138,800	138,000	171,400	186,700
Creosote-pitch mixture	425,000	580,000	632,000	647,000	664,000	780,000
Creosote oil	504,800	452,400	490,500	485,700	531,500	464,300
White naphthalene	11,800	12,000	13,200	6,500	7,500	10,300
Hot-pressed do.	13,600	13,900	15,400	18,600	18,500	19,200
Crude do.	12,200	14,000	12,600	16,900	9,100	11,400
Pyridine bases	700	750	930	840	890	1,100
Natural phenol	9,100	11,500	11,200	10,700	11,300	12,800
Refined cresylic acid	32,200	45,650	53,600	47,400	46,600	52,000
Anthracene 40-50%	2,600	2,550	2,590	2,820	2,480	2,410
Ammonium sulphate (b)	924,500	960,700	968,100	1,015,400	1,047,000	1,049,000
Canada—						
Tar (crude)	194,118	207,325	207,756	210,359	234,207	(a)
Tar (refined)	18,169	22,178	22,447	20,394	24,323	(a)
Pitch	82,403	101,348	100,126	117,627	118,515	(a)
Creosote oils	59,795	55,848	55,841	55,277	65,477	(a)
Ammonium sulphate	35,105	36,516	34,001	34,559	38,065	(a)
Benzol	26,161	28,748	30,242	32,497	36,269	(a)
Ammonia liquor (NH ₃ content)	650	(a)	(a)	(a)	(a)	(a)
Toluol, naphthalene, etc.	5,841	6,695	7,177	7,305	9,139	(a)
India (coke-ovens)—						
Tar	66,587	80,521	82,909	90,355	86,953	70,825
Benzol (crude)	4,070	4,741	4,130	4,951	4,370	4,087
Pitch	1,143	971	1,224	1,554	1,200	931
Naphthalene (crude)	133	144	205	123	76	68
Ammonium sulphate	19,328	22,104	25,713	25,699	8,866	10,092
Australia (gas-works) (c)—						
Tar (crude)	192,932	178,745	154,430	165,205	209,218	238,550
Tar (refined)	40,315	35,324	36,275	35,371	80,505	90,896
Tar oils (crude)	15,537	13,772	14,807	16,205	17,497	18,089
Ammonia liquor	85,172	80,731	107,740	104,374	99,773	101,197
Ammonium sulphate	(a)	760	(a)	(a)	(a)	(a)
New Zealand (d)—						
Tar (gas-works)	13,822	13,713	12,058	13,616	14,455	(a)
Irish Republic (gas-works)—						
Tar	12,917	14,102	14,405	15,078	15,219	(a)
Ammonium sulphate	312	277	240	241	40	(a)
FOREIGN COUNTRIES						
Austria—						
Tar	} (e) 20,831	27,356	21,341	21,845	21,419	65,703
Benzol		4,609	4,384	4,086	4,422	14,887

* See page 76 for conversion rates. Some of the products are derived from the crude products shown. Duplication, therefore, is unavoidable in many cases.

(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	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium—						
Tar (crude)	178,682	164,273	201,150	210,643	189,096	199,562
Benzol, crude	38,088	36,213	49,088	54,539	47,741	(a)
do. motor	20,474	10,052	(a)	20,691	25,958	27,223
do. industrial	7,082	16,175	28,700	14,829	5,376	5,232
Benzene	8,716	6,156	15,498	14,597	14,408	14,928
Toluol and xylol	4,327	3,913	5,524	5,319	6,050	5,988
Solvent naphtha	844	814	1,091	689	930	957
Ammonium sulphate	61,513	56,270	(a)	74,516	59,879	(a)
Pitch	19,067	21,780	25,237	27,404	24,902	(a)
Denmark (b)—						
Tar (gas-works)	39,370	41,274	44,185	42,116	45,340	(a)
Benzol (crude)	(a)	(a)	998	880	695	(a)
Finland—						
Gas-works—						
Tar	2,742	2,984	3,583	4,669	4,994	5,338
Benzol	161	455	621	575	634	538
Ammonia	211	228	251	249	315	325
France—						
Tar (crude)	462,570	468,132	532,200	576,970	559,200	584,200
Ammonium sulphate	86,265	81,566	100,100	97,891	89,300	93,500
Benzol (crude)	67,823	71,477	82,692	91,337	87,600	101,100
Pitch	157,282	153,899	166,278	176,600	169,300	153,200
Phenol (crude)	6,388	6,651	7,383	7,500	7,300	8,700
Naphthalene	28,309	24,399	33,905	34,300	25,000	28,300
Germany (Federal)—						
Tar (crude)	1,036,452	1,159,835	1,378,353	1,539,390	1,589,428	1,585,351
Pitch	544,929	610,660	707,181	798,420	819,609	782,550
Tar oils	311,084	350,075	392,406	448,031	462,832	486,247
Naphthalene	(a)	53,945	55,511	66,538	69,435	67,240
Benzol (crude)	272,365	309,534	383,174	428,481	437,183	431,999
Refined benzols	243,814	268,149	344,209	400,413	422,003	400,420
Phenol, cresol, etc.	7,144	17,067	15,577	15,327	21,621	26,602
Anthracene	(a)	18,061	26,631	30,251	34,846	28,815
Italy—						
Tar	106,300	109,862	135,246	144,593	143,257	146,060
Ammonium sulphate	15,263	15,735	29,665	38,451	(c) 21,303	(a)
Benzol (crude)	14,221	14,852	19,277	21,999	25,638	28,285
Naphthalene (crude)	5,433	5,925	8,077	5,108	4,186	6,186
Distillates	44,391	56,589	60,885	72,483	72,298	47,277
Benzol (refined)	11,304	14,721	16,077	21,256	19,771	16,706
Toluol and xylol	1,727	2,413	4,523	4,775	6,193	4,656
Pitch	29,826	38,603	41,829	45,980	50,569	54,920
Solvents	2,298	3,283	3,576	4,800	5,057	1,376
Netherlands—						
Tar (crude)	140,040	146,424	150,684	152,984	143,000	148,000
Norway—						
Tar (gas-works)	4,351	5,682	5,016	6,137	6,111	6,405
Portugal (gas-works)—						
Tar (crude)	1,826	2,484	(a)	(a)	(a)	(a)
Tar (refined)	425	2,938	(a)	(a)	(a)	(a)
Benzol	11	144	(a)	(a)	(a)	(a)
Phenol	20	176	(a)	(a)	(a)	(a)
Anthracene	—	747	(a)	(a)	(a)	(a)
Cresote	153	1,836	(a)	(a)	(a)	(a)
Naphthalene (crude)	3	—	(a)	(a)	(a)	(a)
Pitch	190	873	(a)	(a)	(a)	(a)

(a) Information not available.

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

(c) Gas-works only.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Tar	48,787	49,536	52,166	57,658	61,615	(a)
Pitch	8,551	10,959	10,882	10,060	10,749	(a)
Benzol	7,101	4,212	10,664	11,339	12,166	(a)
Naphthalene	1,787	2,321	2,613	2,310	2,633	(a)
Ammonium sulphate	10,300	13,566	28,548	89,325	87,604	(a)
Creosote	2,557	5,443	5,163	5,295	6,236	(a)
Sweden—						
Tar (crude)	35,745	28,768	28,971	32,759	33,240	(a)
Other tar	25,727	30,758	31,670	23,774	25,433	(a)
Pitch	3,439	1,725	2,121	886	—	(a)
Benzol, toluol, etc.	3,825	3,847	3,537	4,115	4,108	(a)
Distillates, etc.	2,790	2,345	2,785	2,437	3,468	(a)
Switzerland—						
Tar (crude) (gas-works)	(a)	(a)	24,328	25,085	25,166	25,671
Algeria—						
Tar (gas-works)	5,550	5,511	5,669	6,137	5,704	5,525
Tunis—						
Tar (gas-works)	1,388	1,392	1,302	1,250	1,284	968
United States—						
Coke-ovens—						
Tar	2,873,536	3,161,832	3,398,766	3,008,075	3,541,576	3,059,147
Pitch	481,965	639,028	755,746	666,388	786,759	670,608
Sulphate equivalent of ammonia produced (b)	756,970	825,503	890,869	795,224	933,496	792,172
Benzol	409,138	514,888	576,164	517,048	591,976	464,793
do. motor	56,247	20,772	13,720	(c)	3,118	8,944
Naphthalene (crude)	31,618	44,522	58,534	47,725	50,418	44,669
Toluol and xylol	114,167	126,574	141,825	126,197	150,211	141,632
Solvent naphtha	16,016	19,240	19,347	15,003	20,145	14,688
Creosote	96,740	149,642	170,524	156,438	148,121	105,038
Phenol	2,818	3,544	3,556	3,429	4,311	3,902
Other light products	23,742	22,727	23,069	20,630	20,325	13,576
All sources (c)—						
Coal tar	2,920,782	3,201,547	3,411,261	3,011,987	(a)	(a)
Water gas and oil gas tar	990,555	1,022,457	572,692	377,274	(a)	(a)
Crude light oil (d)	792,390	897,033	979,443	856,447	(a)	(a)
Benzol, motor	62,798	38,177	13,720	(a)	(a)	(a)
do. other	444,193	586,743	777,197	767,377	(a)	(a)
Toluol	109,709	125,533	149,369	134,827	(a)	(a)
Xylol	26,680	31,163	36,755	33,245	(a)	(a)
Solvent naphtha	16,016	19,240	19,346	15,003	(a)	(a)
Other light oil derivatives	50,760	51,070	43,127	36,923	(a)	(a)
Naphthalene (crude)	105,339	128,800	158,813	112,210	(a)	(a)
Creosote oil	525,437	564,754	597,687	550,484	(a)	(a)
Coal tar (f)	39,534	40,577	37,645	46,564	(a)	(a)
Tar, refined (g)	120,312	2,013	206,697	117,594	(a)	(a)
Tar, road	644,530	644,538	612,598	477,321	(a)	(a)
Distillate products, others	150,802	143,635	161,059	164,036	(a)	(a)
Pitch of tar	1,055,000	1,333,000	1,562,000	1,463,000	(a)	(a)
Pitch of tar coke	52,000	57,000	40,000	32,000	(a)	(a)

(a) Information not available.

(b) Actual ammonium sulphate produced was as follows (long tons):

1949—728,244; 1950—755,103; 1951—802,020; 1952—716,440; 1953—844,762; 1954—734,659.

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

(d) Including some material produced from petroleum.

(e) Included with "Other light products".

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

(g) Used for paints, etc.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (b)—						
Tar	(a)	(a)	(a)	(a)	3,450	42,514
Benzol	(a)	(a)	(a)	(a)	3,195	4,204
Toluol and xylo	(a)	(a)	(a)	(a)	582	772
Solvent naphtha	(a)	(a)	(a)	(a)	40	71
Naphthalene	(a)	(a)	(a)	(a)	1,185	1,651
Creosote oil	(a)	(a)	(a)	(a)	1,454	1,967
Ammonium sulphate	(a)	(a)	(a)	(a)	4,465	6,126
Pitch	(a)	(a)	(a)	(a)	29,607	1,605
Carbolic acid	(a)	(a)	(a)	(a)	307	293
Chile—						
Tar	17,006	16,378	17,561	17,397	17,788	16,394
Uruguay (gas-works)—						
Tar	1,847	2,020	1,979	2,141	2,078	2,493
Benzol	56	33	99	95	69	69
Tar oil	74	127	87	75	91	105
Pitch	307	422	253	239	242	255
Japan—						
Tar	235,997	288,955	390,513	378,561	426,276	421,433
Benzol (crude)	45,423	58,757	81,610	74,453	88,720	87,811
do. (other)	21,826	27,520	38,892	36,896	44,525	47,821
Toluol and xylo	3,437	5,031	5,622	5,492	7,937	6,602
Solvent naphtha	3,520	4,984	5,374	3,744	4,512	5,149
Creosote oil	64,544	69,032	82,484	94,484	130,010	132,478
Carbolic acid (crude)	2,362	3,260	4,701	4,559	4,736	5,232
Pitch	119,309	157,658	(a)	(a)	(a)	(a)
Naphthalene (crude)	12,118	14,362	18,708	22,369	27,129	27,589
do. (refined)	5,752	7,228	11,173	11,303	12,436	16,145
Anthracene	2,575	2,622	3,212	3,118	4,027	4,547
Ammonium sulphate	36,105	49,368	68,087	77,170	88,779	87,705
Turkey—						
Coke-ovens—						
Tar (crude)	(a)	15,405	14,929	(a)	(a)	(a)
Benzol (crude)	(a)	3,161	4,136	(a)	(a)	(a)
Naphthalene (crude)	—	748	(a)	(a)	(a)	(a)
do. (refined)	449	340	159	(a)	(a)	(a)
Gas-works—						
Tar	2,967	2,985	(a)	(a)	(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.

EXPORTS OF COAL, COKE AND BY-PRODUCTS*
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Anthracite—						
smalls and graded ..	606,185	823,628	622,884	773,423	809,829	973,168
large	309,404	410,923	296,822	309,543	269,591	261,486
other	17,119	32,944	171,489	149,029	191,094	300,723
Bituminous—						
smalls and graded ..	6,230,309	5,432,948	1,780,410	4,100,898	6,354,353	6,102,549
unscreened	2,065,545	2,076,200	1,239,079	1,874,759	1,673,388	1,218,698
large	4,395,078	4,279,327	2,288,274	3,456,920	3,556,436	3,423,303
other	292,276	494,662	1,407,611	1,086,278	1,117,233	1,435,695
Bunkers	5,043,692	4,020,158	3,722,969	3,296,202	2,834,964	2,500,137
Coke, gas	795,616	865,630	222,727	507,690	568,175	646,953
do. other	873,003	1,339,709	672,810	887,432	858,490	897,309
Manufactured fuel	370,995	384,898	427,607	546,660	257,991	247,726
Tar	88,094	141,138	74,127	87,276	83,900	151,936
Pitch	241,269	282,128	352,109	357,515	265,765	255,186
Creosote oil	161,173	129,802	122,685	139,313	146,092	114,228
Other heavy coal-tar oils	3,861	3,201	6,473	4,106	3,331	5,610
Naphthalene	3,512	4,780	1,991	9,316	7,166	8,334
Carbolic acid—						
Crude	6	965	233	1,320	8,061	4,019
Crystals	1,563					
Cresylic acid	6,756	15,807	17,041	7,794	11,337	8,743
Benzol	90	44,564	163,639	123,742	37,639	16,341
Anthracene	3	1	—	2	(a)	(a)
Other coal-tar products	6,715	(a)	(a)	(a)	(a)	(a)
Gibraltar—						
Coal (bunkers) (b) ..	290,000	200,000	170,000	70,000	41,000	31,000
Malta—						
Coal (bunkers on merchant ships) (b) ..	2,888	1,853	1,445	1,033	762	91
Kenya—						
Coal (bunkers) (b) ..	27,688	18,076	2,949	1,305	—	—
Mauritius—						
Coal (bunkers) (b) ..	7,295	5,342	4,852	4,786	3,193	2,508
Nigeria—						
Coal	63,332	1,480	89,872	1,132	4,338	25,595
do. (bunkers)	(a)	1,238	8,733	340	733	
Sierra Leone—						
Coal (bunkers) (b) ..	33,571	18,491	(a)	—	—	—
Southern Rhodesia—						
Coal	728,547	784,478	877,776	956,091	872,657	(e) 34,448
Coke	47,622	53,996	58,736	69,024	79,179	(e) 46,439
Union of South Africa—						
Coal	1,824,716	2,527,299	1,688,834	832,438	1,183,483	1,108,687
do. (bunkers)	580,432	372,504	239,628	153,239	77,686	65,856
Coke	14,443	42,401	41,410	42,906	13,344	5,077
Tar and pitch	2,891	2,766	2,856	2,995	355	(a)
Canada—						
Coal	379,468	340,071	374,983	335,046	216,054	183,808
do. (bunkers) (c) ..	107,029	85,871	93,053	71,546	58,613	51,758
do. do. (d)	321,379	261,720	246,771	292,872	325,326	230,297
Lignite	6,285	12,573	13,484	12,239	11,870	12,037
Coke	243,850	308,071	144,377	270,503	145,206	96,929
Tar and pitch	18	14	3,185	3,390	4,644	4,468
Creosote oil	—	41	32	8,397	—	—
Other coal tar oils ..	19,854	14,940	11,252	13,534	12,726	6,299

*For Ammonium sulphate, etc. see Nitrogen Compounds, pages 209-210.

(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.)

(e) Federation of Rhodesia and Nyasaland.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
Bermuda—						
Coal (bunkers) (c) ..	1,240	900	(a)	(a)	800	(a)
Jamaica—						
Coal (bunkers) (b) ..	38,732	14,973	20,819	5,407	7,827	(a)
Trinidad and Tobago—						
Coal (bunkers) (c) ..	33,483	18,482	16,769	18,736	10,406	2,506
Aden—						
Coal (bunkers) (c) ..	202,488	130,794	88,516	55,528	35,219	16,347
India—						
Coal (by sea)	1,360,315	910,645	1,878,834	2,488,294	1,271,399	1,255,221
do. (by land) (e) ..	(a)	(a)	407,316	586,949	736,425	753,516
do. (bunkers— domestic produce)	410,861	231,257	291,685	286,329	163,671	651,499
do. (bunkers— foreign produce) ..	—	—	—	515	450	—
Coke (by sea)	2,304	7,699	22,937	59,030	10,364	14,618
do. (by land) (e) ..	(a)	(a)	250	10,100	17,834	19,065
Malaya (including re-exports)—						
Coal	105	1	1,209	357	259	377
do. (bunkers) (c) ..	66,307	44,286	37,297	32,593	14,549	13,657
Coke	348	273	658	316	185	436
Tar	247	254	1,222	270	167	94
Ceylon—						
Coal (bunkers) (c) ..	109,111	80,644	68,803	32,859	21,985	18,847
Cyprus—						
Coal (bunkers) (c) ..	560	225	329	295	1	130
Hong Kong (re-exports)—						
Coal	19,406	53,107	10,974	4,468	8,365	5,397
Coke	356	398	431	74	119	49
Australia—						
Coal	48,247	67,391	110,043	176,828	376,779	376,774
do. (bunkers) (d) ..	293,707	135,059	69,299	54,207	42,623	31,718
Coke	2,523	2,920	741	7,432	25,929	(d) 28,223
Carbolic acid (d) ..	353	652	403	651	44	36
Other coal tar oils ..	3,579	2,460	3,255	2,911	2,349	(d) 1,740
New Zealand—						
Coal	7,032	2,983	3,176	8,730	16	5
do. (bunkers)	14,543	2,083	2,889	5,975	1,649	866
Coke	323	1,134	292	344	21	60
Tar	13	138	59	6	3	2
Irish Republic—						
Coal (bunkers) (c) ..	1,843	1,042	399	164	238	217
Coal and coke	—	—	—	—	13,219	10,647
Creosote, etc.	—	450	1,976	1,140	142	(a)
FOREIGN COUNTRIES						
Austria—						
Bituminous	(a)	—	11	650	—	9
Brown coal	(a)	1,084	2,207	64	4,924	18,239
Coke	14,586	15,944	168	—	—	19
Tar	—	8,302	2,250	7,558	2,236	—
Naphthalene	976	1,318	1,756	657	1,997	3,329
Carbolic acid	(a)	(a)	(a)	1,432	1,630	263

(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.

(e) Years ended March 31 following that stated.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Austria (cont.)—						
Light tar oils	—	—	—	3,942	—	79
Heavy tar oils	—	—	—	189	—	920
Pitch	—	—	—	5,252	4,223	35
Belgium-Luxemburg						
E.U.—						
Coal	1,262,332	2,727,791	1,861,427	2,390,310	3,959,456	5,364,846
do. (bunkers) (b) ..	80,823	(a)	(a)	(a)	(a)	(a)
Coke	392,126	334,631	348,915	840,964	724,582	789,788
Briquettes	12,648	15,126	273,945	290,201	266,886	318,669
Brown coal briquettes	46	—	—	20	40	48
Tar	4,758	5,064	1,592	332	826	1,432
Pitch	6,598	21,183	2,488	18,740	47,139	27,027
Naphthalene	5,739	9,109	9,870	11,440	11,564	11,630
Distillates	3,019	20,176	27,314	26,016	10,146	12,453
Denmark—						
Tar and pitch	124	6,486	5,691	11,785	22,696	17,785
France—						
Anthracite	9,959	16,554	17,211	3,790	1,726	1,408
Bituminous	5,248,884	6,167,968	5,816,503	5,491,531	7,014,838	7,352,541
Brown coal	381	253	2,526	1,277	1,284	2,342
Coke	404,811	277,346	254,439	151,621	236,926	292,217
Briquettes	25,082	47,265	70,833	54,981	30,236	20,977
Brown coal briquettes	718	2,289	5,268	1,236	322	448
Coal, coke and briquettes—						
Bunkers (domestic produce) ..						
do. (foreign produce)	38,043	24,314	53,385	18,047	15,808	20,565
Tar and pitch	352,912	258,088	184,083	137,635	78,448	51,246
Benzol, etc.	5,500	3,901	33,159	4,903	2,521	3,181
Naphthalene	320	1,542	10,055	18,559	15,566	718
Carbolic acid	2,178	10,101	8,264	10,545	9,650	10,787
Carbolineum	155	358	272	129	361	90
Anthracene	292	491	420	420	354	365
Coal tar oils	1	206	258	203	390	259
Germany (Federal)—	244	931	15,208	22,674	12,825	17,268
Germany (Federal)—						
Coal	12,654,798	15,144,844	12,856,466	11,877,025	13,391,354	16,030,480
do. (bunkers) (b) ..	326,037	346,182	351,720	359,454	189,965	200,790
Brown Coal	(a)	(a)	—	—	669	77,722
Coke	7,663,176	8,018,510	9,734,545	10,474,924	8,959,411	9,530,177
Coal briquettes	98,492	244,842	241,086	262,915	363,053	502,986
Brown-coal briquettes	1,575,199	1,565,681	1,573,720	1,465,537	1,518,457	1,585,502
Tar and pitch	34,123	107,453	132,076	164,052	129,570	145,707
Naphthalene	7,040	30,302	15,881	20,774	26,688	22,234
Carbolic acid	124	1,599	178	(e) 2,391	2,068	2,564
Cresol]	103	2,831	(c) 1,249	(e) 643	1,838	3,301
Light coal-tar oils, etc.	792	1,092	14,394	2,405	15,769	9,582
Heavy coal-tar oils, etc.	18,430	86,630	75,675	106,219	114,612	36,717
Italy—						
Coal (incl. bunkers) ..	8,149	3,167	2,495	3,799	2,573	3,124
Coke	116,846	58,983	14,839	222,635	101,104	51,647
Tar and tar oils	4,004	821	198	4	762	11,075
Pitch	(a)	(d) 8,384	20,394	21,714	17,922	15,410
Naphthalene	—	2	102	3	149	24

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) January to September only.

(d) July to December only.

(e) April to December only.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Coal	17,903	22,550	11,607	16,053	291,107	1,034,588
do. (bunkers) (b) ..	326,771	371,147	342,807	261,980	195,136	170,829
Brown coal	2,772	266	23,074	11,306	1,681	1,496
Coke	941,912	1,093,039	1,177,088	1,376,333	1,260,529	1,514,049
Briquettes	—	317	355	241	17,981	107,041
Brown coal briquettes ..	5,620	9,894	10,989	25,830	59,217	45,253
Tar	1,486	1,685	1,039	467	305	1,614
Pitch	(a)	(a)	(a)	(a)	7,019	8,761
Creosote	(a)	29,423	26,865	36,881	31,875	25,673
Naphthalene	8,286	7,865	8,515	5,201	11,170	8,998
Anthracene	1,115	1,799	3,871	3,386	3,296	2,920
Carbolic acid	—	1,549	1,947	1,537	2,638	1,570
Benzol	16,900	13,813	12,981	14,664	21,097	21,347
Toluol and xylol	—	727	22	1,690	124	62
Solvent naphtha	9	101	195	380	336	383
Norway—						
Tar	—	—	1,279	1,441	781	3,022
Pitch	19	191	268	356	615	253
Portugal—						
Coal	1,227	152	589	476	302	2,046
do. (bunkers) (c) ..	15,364	8,266	6,784	2,835	1,966	760
Tar and pitch	194	76	150	172	101	60
Spain—						
Anthracite	3,407	21,234	14,763	20,237	7,107	(a)
Bituminous (incl. bunkers)	16,952	40,449	96,766	88,680	45,330	(a)
Other coal	—	858	37	18	67	(a)
Coke	858	1,206	381	484	1,098	(a)
Briquettes	—	59	695	261	—	(a)
Carbolic acid, naphthalene, etc.	171	62	72	82	1	(a)
Tar and pitch	27	119	28	11	1	(a)
Spitzbergen—						
Coal (including bunkers)	522,922	505,544	707,877	702,654	656,182	(a)
Sweden—						
Coal	—	30	43	47	57	3,652
Coke	—	26,469	1,373	452	30,315	52,709
Tar, pitch, etc.	4,690	18,301	9,512	9,921	6,356	5,789
Benzol	106	2,595	979	372	803	1,078
Carbolic acid, etc.	—	—	1	6	56	10
Toluol and xylol	237	4,958	1,609	1,705	1,093	699
Switzerland—						
Coal	334	322	217	1	2,783	562
Coke	976	25	—	788	2,230	6,225
Briquettes	197	546	573	1,107	219	202
Tar and pitch	4,679	2,561	2,391	2,176	4,517	1,302
Creosote, etc.	976	55	801	—	679	92
Naphthalene, etc.	1,295	3,016	2,978	733	1,421	2,486
Yugoslavia—						
Bituminous	(a)	104,077	60,429	60,169	90,823	87,303
Brown coal	(a)	26,204	186,582	93,237	49,034	64,712
Lignite	(a)	—	1,823	509	3,778	33,227
Briquettes	(a)	(a)	(a)	(a)	(a)	1,477
Pitch	(a)	(a)	(a)	(a)	(a)	147
Tar	(a)	—	147	311	6,938	8,474

(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	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Coal	40,873	44,407	78,077	73,318	89,756	55,059
do. (bunkers) ..	482	176	1,181	214	86	14
do. do. (b) ..	60,435	(a)	114,518	64,218	37,896	—
Coke	90	10	74	64	285	12
Briquettes	—	—	9	—	—	—
do. (bunkers) ..	400	21	307	75	24	38
Tar	853	—	159	407	346	242
Canary Islands—						
Coal	2,143	41	—	15	2,390	(a)
do. (bunkers) (b) ..	87,847	61,831	49,497	30,378	11,927	(a)
Cape Verde Islands—						
Coal (bunkers) (b) ..	40,914	(a)	25,194	10,076	4,205	3,272
Ceuta—						
Coal	1,388	3,314	2,328	2,813	2,180	(a)
do. (bunkers) (b) ..	127,371	147,240	80,505	60,279	43,497	(a)
Egypt—						
Coal (bunkers for foreign ships) (b) ..	53,347	37,332	28,837	7,596	2,355	(a)
Coke	3	—	99	—	1	—
Tar and Pitch	15	—	2	108	—	(a)
Madagascar—						
Coal (bunkers)	56	3,083	88	—	—	(a)
Morocco (French)—						
Anthracite	153,222	144,512	234,369	195,963	161,331	209,001
Other coal	454	—	(a)	—	(a)	(a)
Briquettes	3,896	2,590	(a)	18,932	(a)	(a)
Mozambique—						
Coal (incl. bunkers) ..	3,096	5,834	24,707	27,565	63,217	(a)
Mexico—						
Coal and coke	342	173	130	211	1	2
Tar	—	4,181	1,571	440	—	11
Creosote	—	224	—	(a)	—	—
United States—						
Anthracite	4,413,098	3,474,615	5,320,692	4,100,054	2,432,404	2,545,749
Bituminous	24,858,979	22,739,646	50,648,353	42,532,919	30,143,092	27,703,490
do. (bunkers)	780,383	640,614	794,693	649,107	(a)	(a)
Coke	489,514	355,220	916,723	707,259	464,511	343,194
Briquettes	149,232	156,936	150,696	118,559	91,888	88,311
Tar and pitch	149,762	49,646	76,867	70,182	58,281	38,474
Benzol	4,332	4,307	1,121	666	4,130	19,533
Creosote	2,879	1,593	1,590	3,702	2,405	3,300
Toluol and xylol	—	—	—	—	11,844	68,248
Carbolic acid	10,242	6,272	9,418	9,951	6,768	20,178
Chile—						
Coal (including bunkers)	61,284	80,521	50,521	69	—	(a)
Peru—						
Coal	16,076	56,587	40,646	40,675	35,126	18,439
do. (bunkers)	50	43	—	—	—	—
Venezuela—						
Coal	1,378	2,225	(a)	1,919	474	(a)
Formosa—						
Coal (including bunkers)	(a)	63,683	18,399	12,703	207,198	100,630
French Indo-China—						
Coal (including bunkers)	71,469	57,596	199,320	209,612	341,648	(a)
Indonesia—						
Coal	27,538	61,206	114,339	106,493	133,678	85,534

(a) Information not available.

(b) Foreign coal (see imports).

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Japan—						
Coal	767,681	499,666	15,587	463,439	477,531	315,677
Coke	(a)	59	1,657	1,449	713	1,293
Tar and pitch	(a)	16,437	2,449	20,839	419	5,020
Korea (South)—						
Coal	(a)	—	—	4,641	51,448	(a)
Syria and Lebanon—						
Coal	63	767	335	(a)	(a)	(a)
Coke	18	288	433	(a)	(a)	(a)
Tar	(a)	14	5	(a)	(a)	(a)
Turkey—						
Coal	1,458	335	25,207	130,742	7,177	—

(a) Information not available.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Coal	476	4,834	1,225,544	319,552	550,715	2,949,350
Coke	—	1	4	19,223	—	8
Manufactured fuel	—	2	2	135	310	1
Tar and pitch	2,854	3,033	2,016	2,021	3,164	3,813
Naphthalene	—	—	16	4	1,258	6,109
Carbolic acid	918	1,506	2,223	2,722	56	725
Channel Islands—						
Anthracite (g)	86,810	102,240	123,706	91,672	113,294	109,609
Bituminous (g)	121,275	131,523	124,959	144,125	155,519	172,146
Coke	21,883	27,577	24,548	21,306	14,938	21,535
Creosote	37	18	18	21	20	22
Gibraltar—						
Coal and coke (b)	305,350	208,120	179,500	78,505	48,274	33,711
Malta—						
Coal (c)	17,262	20,501	17,613	12,085	11,264	23,079
Coke	(a)	46	311	568	—	317
Anglo-Egyptian Sudan—						
Coal	71,260	53,353	59,174	45,552	66,764	27,860
Coke	498	888	410	2,125	490	(a)
Tar	117	48	7	35	19	(a)
Tar oils	510	515	368	928	620	(a)
Gambia—						
Coal, coke and patent fuel	—	5	173	—	5	105
Tar and pitch	5	9	9	4	5	47
Gold Coast—						
Coal	129,767	61,892	160,675	147,060	97,219	} 106,951
Coke	450	298	696	648	332	
Patent fuel	—	—	—	—	180	
Tar and pitch	4,627	3,880	1,805	2,845	2,078	
Kenya—						(f) 1,207
Coal (c)	59,288	41,640	19,001	26,225	12,181	19,575
Coke	1,205	1,523	1,440	2,079	1,581	3,995
Tar	146	9	31	41	—	10
Tar oils	37	37	44	26	40	202
Mauritius—						
Coal (c)	40,520	48,261	24,232	26,659	27,557	26,497
Coke	520	289	628	362	129	286
Tar	13	6	36	502	174	12
Nigeria—						
Coal	153	60,495	3	26,356	26,041	} (d) 1,203
Coke	547	1,197	840	364	1,165	
Patent fuel	—	1	1	2	1	
Tar and pitch	509	859	1,737	2,160	1,655	
Northern Rhodesia—						(f) 550
Coal	562,737	637,988	696,181	756,379	795,439	(e)
Coke	6,366	6,025	7,692	12,839	14,396	(e)
Tar and creosote oil	28	53	56	42	58	(a)
Tar and pitch	197	253	468	737	491	(e)

*For ammonium sulphate, etc., see Nitrogen Compounds, pages 211–216.

(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) See Southern Rhodesia.

(f) Tar only.

(g) Revised.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Nyasaland—						
Coal	12,950	24,010	23,132	30,860	36,362	(b)
Coke	120	144	152	400	250	(b)
Tar and pitch	627	1,667	784	1,009	2,961	(b)
St. Helena—						
Coal	202	214	61	20	60	43
Sierra Leone—						
Coal (d)	61,820	39,722	9,985	—	—	} 15,900
Coke	215	5	—	4	4	
Tar and pitch	116	286	4,954	666	425		(f) 128
Southern Rhodesia—						
Coal	2,642	3,582	6,902	6,347	8,262	(c) 134,845
Coke	57	—	—	440	563	(c) 571
Tar and pitch	2,273	1,233	2,113	1,564	38	(c) 67
South West Africa—						
Coal	16,529	25,896	26,311	40,879	68,233	(a)
Coke	70	53	13	54	42	(a)
Tanganyika—						
Coal	45,284	56,605	50,917	71,662	56,842	51,611
Coke	770	207	986	12	445	994
Tar	126	37	42	31	34	13
Tar oils	3	1	11	31	5	128
Uganda—						
Coal	42	25	11	16	8	88
Coke	213	132	198	132	143	62
Tar	41	8	6	14	52	72
Tar oils	11	9	10	6	18	106
Union of South Africa—						
Coal	66,041	37,557	48,148	82,864	28,356	(a)
Coke	—	55	—	2	9	(a)
Naphthalene	4	49	24	21	52	(a)
Tar and creosote	2,648	2,155	2,358	3,548	1,713	(a)
Zanzibar—						
Coal	10,057	6,866	100	5,552	5,308	1,950
Canada—						
Anthracite	3,507,892	3,822,422	3,439,390	3,476,922	2,667,778	2,456,118
do. dust	14,550	4,705	1,173	634	1,021	3,598
Bituminous	15,956,586	19,970,159	20,233,343	18,483,427	17,775,246	13,895,438
do. (e)	321,379	261,720	246,771	292,872	325,326	230,297
Brown coal	14,774	6,671	8,165	6,685	2,734	2,521
Briquettes	166,938	170,655	151,926	138,926	114,887	114,431
Coke	373,446	301,715	538,521	480,632	324,669	228,669
Cresylic acid	79	206	915	224	263	170
Benzol	2,551	4,110	2,224	134	2,434	7,787
Tar	3,344	30,101	37,084	22,024	28,828	4,421
Pitch	20,199	15,732	36,672	29,626	39,287	47,798
Naphthalene	660	758	489	814	844	909
Carbolic acid, etc.	11,777	23,227	20,420	17,876	29,484	27,330
British Guiana—						
Coal (d)	3,998	291	3,281	1,894	1,898	2,584
Coke	144	126	309	141	—	76
Patent fuel	321	3,050	2,007	3,000	1,014	27
Tar and pitch	248	344	309	281	244	496
British West Indies—						
Bahamas—						
Coal	32	16	3	10	2	1
Barbados—						
Coal, coke, and patent fuel	1,491	2,009	2,093	1,105	878	1,131

(a) Information not available.

(b) See Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

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

(e) "Ex-warehoused for shops' stores". See exports.

(f) Tar only.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies						
<i>(cont.)—</i>						
Bermuda—						
Bituminous (c) ..	4,363	1,389	1,081	2,480	1,588	648
Coke	—	40	(a)	(a)	(a)	(a)
Grenada—						
Coal	10	3	—	—	—	(a)
Coke	—	—	5	10	7	(a)
Jamaica—						
Coal (b)	44,993	14,976	24,237	9,657	16,166	8,044
Coke	479	706	583	353	377	667
Tar and pitch ..	11	20	18	48	136	30
Leeward Islands—						
Coal, coke and patent fuel	5,201	(d)	13	5,747	1,397	1,570
St. Lucia—						
Coal	56	57	38	25	52	42
Tar	4	7	4	5	8	4
St. Vincent—						
Coal	11	16	11	13	19	4
Trinidad and Tobago—						
Coal (b)	38,676	26,007	9,583	13,924	13,767	1,080
Coke	228	39	227	236	68	227
Patent fuel	1,080	6	—	(e)	1	82
Tar and pitch ..	135	84	(a)	(a)	(a)	(a)
British Honduras—						
Coal and coke ..	42	13	18	22	19	22
Tar and pitch ..	4	13	31	6	2	(a)
Falkland Islands—						
Coal	1,471	1,796	2,793	779	521	917
Coke	40	26	83	—	91	116
Aden—						
Coal (b)	230,077	109,061	115,186	67,677	40,375	21,649
Coke	50	—	220	56	2,607	56
Naphthalene	522	297	309	413	145	157
India (total imports)—						
Coal	4	1,425	13	423	31	1
Coke	—	—	—	—	—	2,000
Tar and pitch ..	1,162	386	712	149	338	431
Naphthalene	106	15	19	19	—	2
Carbolic acid	163	46	19	130	242	280
Malaya (total imports)—						
Anthracite	135,648	93,627	152,475	176,882	9,319	15,793
Bituminous (b) ..						
Coke						
Tar and pitch ..						
Coke	4,762	5,695	13,069	3,050	2,221	4,334
Tar and pitch ..	986	1,650	1,054	445	561	400
Ceylon—						
Coal (c)	310,655	367,792	237,639	370,552	383,139	284,390
Coke	1,474	654	918	723	934	1,099
Tar and pitch ..	158	46	94	55	152	108
Cyprus—						
Coal (c)	3,851	1,492	647	3,235	1,641	1,788
Coke	497	413	645	435	454	445
Briquettes						
Tar and pitch ..						
Coke	13	18	14	15	5	21
Naphthalene	14	41	9	25	(a)	(a)

(a) Information not available.

(d) Incomplete.

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

(e) Excess of re-exports.

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

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Coal	421,718	317,124	277,623	305,594	206,883	204,619
Coke	6,472	2,753	3,664	2,608	2,558	1,638
Pakistan—						
Coal and coke	1,454,000	1,009,000	1,366,000	1,667,000	1,192,000	1,101,000
Tar and pitch (b)	(a)	(a)	307	657	2,356	2,190
Naphthalene (b)	(a)	(a)	17	798	122	87
Australia—						
Coal	442,226	636,219	352,734	272,352	22,200	3,040
Coke (e)	—	21,269	37,655	6,508	685	10,981
Naphthalene	2	35	48	47	6	(e) 17
Toluol	1	33	—	64	70	(e) 204
Tar and pitch	(e) 19	(e) 36	50	767	1,363	(e) 1,495
Tar oils	(c) 746	(e) 118	83	90	(e) 54	(e) 22
Fiji—						
Coal	25,828	9,750	18,659	22,889	18,291	21,240
Coke	354	381	355	540	300	415
Tar and bitumen	686	1,447	292	1,343	843	470
New Guinea (e)—						
Coal and coke	478	336	1,866	425	174	967
New Zealand—						
Coal	78,626	45,186	27,563	1,345	101	77
Coke	4,263	2,750	1,431	3,821	781	194
Tar	1,504	229	398	547	426	4,026
Pitch	579	794	86	1,595	539	774
Naphtha benzol, toluol, etc.	187	214	110	246	211	315
Naphthalene	8	8	9	103	186	47
Creosote	949	1,479	1,580	1,786	1,024	1,880
Carbolic acid	7	8	34	(c) 18	3	22
North Borneo—						
Coal and coke	32	21	87	121	28	93
Papua (e)—						
Coal and coke	342	(£11,893)	218	529	161	(a)
Solomon Islands—						
Coal	8	1	516	(a)	(a)	(a)
Sarawak—						
Coal and coke	10	11	11	16	4	9
Tar	67	132	114	754	114	65
Western Samoa—						
Coal and coke	15	11	23	9	19	7
Irish Republic—						
Anthracite	54,323	42,910	48,479	65,126	39,036	50,230
Bituminous (d)	1,578,023	1,785,759	1,988,273	1,633,652	1,599,507	1,658,059
Coke	23,463	40,455	24,897	18,869	15,128	17,354
Patent fuel	95,523	93,365	106,580	95,946	84,886	76,128
Tar and pitch	6,191	5,934	13,893	14,640	11,664	14,492
Creosote, etc.	4,838	5,267	4,368	4,481	6,652	7,109
Tar and bitumen mix- ture	19,488	21,327	26,421	18,613	49,855	57,301
Benzol	47	40	27	19	(a)	(a)

(a) Information not available.

(b) Trade by sea for years ended March 31 following that stated.

(c) Excess of re-exports.

(d) Includes coal for bunkering purposes. See exports.

(e) Years ended June 30 of that stated.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Austria—						
Coal	4,277,651	4,215,494	4,110,296	3,699,899	3,376,640	3,807,761
Brown coal	705,065	438,968	537,548	356,956	208,489	193,089
Coke	359,378	252,588	290,082	250,828	274,926	343,138
Briquettes	664,162	558,109	799,435	646,110	578,740	516,477
Light coal-tar oils	62	778	1,299	73	80	1,760
Heavy coal-tar oils	3,061	3,275	1,531	235	2,599	3,788
Carbolic acid	390	787	546	604	688	1,024
Tar, pitch, etc.	4,012	6,113	10,945	4,357	5,828	3,267
Belgium-Luxemburg						
E. U.—						
Coal	1,158,456	886,162	2,340,353	1,973,699	2,393,722	3,938,049
do. coke	2,240,111	2,410,940	3,048,096	3,168,959	2,977,215	3,068,752
do. briquettes	875	2,151	5,509	2,083	9,295	34,525
Brown coal	2,345	67	1,171	136	1,914	1,461
do. do. coke	(a)	5,170	7,362	86	132	117
do. do. briquettes	207,761	189,091	242,938	216,334	207,797	228,175
Tar	6,451	11,024	34,174	10,937	20,341	14,961
Naphthalene	1,092	8,365	4,144	4,553	6,303	6,223
Distillates	13,733	446	330	407	922	3,206
Pitch	2,838	20,000	80,226	90,539	51,721	68,996
Denmark—						
Coal	3,052,421	3,941,613	4,478,486	4,025,661	4,148,703	4,311,339
Brown coal	—	—	15	—	20	3
Coke	1,274,402	1,489,984	1,037,681	1,594,416	1,610,507	1,782,178
Briquettes	—	37,460	20,896	83,514	14,369	18,625
Brown coal briquettes	233,479	256,164	104,503	221,576	113,828	190,488
Tar	—	15	10	43	32	601
Pitch	28	142	264	167	262	190
Carbolineum	—	26	5	4	5	4
Benzol	625	1,096	977	896	1,237	1,375
Toluol	915	1,374	1,090	954	1,561	1,845
Carbolic acid	233	85	368	135	103	323
Finland (total imports)—						
Anthracite	4,600	1,906	46,378	12,849	120,567	95,320
Other coal	929,867	1,435,277	1,959,906	2,206,097	1,675,007	1,670,143
Coke	246,569	461,645	339,783	341,362	198,031	472,157
Tar	1,440	1,284	1,084	4,095	3,140	501
Carbolic acid, creosote and cresol	2,778	2,844	4,158	3,684	2,688	6,145
Naphthalene	83	140	51	44	55	38
Benzol	293	391	192	87	1	2
Carbolineum	212	455	464	206	168	87
France—						
Anthracite	1,162,367	559,958	1,347,206	1,257,824	722,202	1,573,722
Bituminous	12,983,962	6,814,248	8,478,873	9,006,031	6,279,061	6,307,846
Lignite	2,886	—	302	226	—	—
Coke	3,918,850	2,604,172	3,502,508	4,229,711	3,504,521	3,127,826
Coal briquettes	2,686	246	108,158	140,744	282,902	435,120
Brown-coal briquettes	285,856	378,057	448,153	390,834	496,835	465,324
Tar and pitch	413,964	464,243	381,885	466,023	453,679	463,272
Naphthalene	11	—	68	—	1,524	1,633
Carbolic acid	424	40	2	354	33	33
Cresol	254	545	248	324	158	105
Anthracene	1,112	321	176	328	707	2,433
Benzol, etc.	2,402	96	2,507	8,396	3,432	23,547
Heavy coal-tar oils	6,255	10,494	1,187	95	388	705
Germany (Federal)—						
Coal	2,103,064	4,002,434	9,498,417	11,605,594	9,310,007	8,222,897
Brown coal	947,129	1,005,889	486,472	586,230	585,233	686,201
Coke	69,270	235,000	200,992	430,798	317,848	361,543

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)						
<i>(cont.)—</i>						
Coal briquettes ..	483	95	—	—	—	32,145
Brown-coal briquettes ..	5,160	5,348	2,676	19,438	48,579	34,943
Tar and pitch	161	16,225	11,750	17,352	30,818	19,865
Naphthalene	41	2,779	5,905	484	867	5,320
Carbolic acid	2,211	1,245	2,285	(f) 2,528	7,285	12,310
Cresol	393	651	(b) 258	(f) 309	882	1,675
Light coal-tar oils, etc.	2,286	29,956	10,435	29,783	37,708	130,565
Heavy coal-tar oils, etc.	—	273	5,745	2,690	522	2,761
Greece—						
Coal	285,363	279,624	376,040	273,160	264,460	234,845
Coke	12,870	17,436	12,817	14,067	13,640	16,035
Naphthalene	842	581	835	511	1,036	1,122
Pitch	355	845	(a)	(a)	(a)	(a)
Benzol	134	77	66	114	135	140
Tar	8,229	845	374	367	315	308
Iceland—						
Coal	96,630	93,362	67,327	59,127	47,450	42,783
Coke	562	892	708	1,908	1,062	(a)
Tar	59	64	97	105	42	(a)
Italy—						
Anthracite	150,015	305,036	465,493	590,618	594,523	661,751
Bituminous	8,273,364	7,773,243	9,886,991	8,522,315	8,352,197	8,073,330
Lignite	156,600	91,927	60,786	49,142	74,098	60,733
Coke	12,436	7,120	44,116	41,260	35,554	48,632
Briquettes	2,121	(d) 16,362	92,356	60,604	104,069	166,341
Tar and tar oils ..	13,175	4,514	400	1,165	3,891	89
Benzol	5,678	1,383	10,369	5,804	7,570	13,573
Toluol and xylol ..	3,381	7,854	6,401	6,822	5,378	11,844
Naphthalene	6,247	2,801	5,211	7,115	6,453	12,925
Netherlands—						
Coal (c)	3,917,395	4,367,030	4,991,478	5,402,839	5,231,061	7,066,395
Coke	6,798	161,553	181,864	189,916	305,153	354,193
Briquettes	24,582	128,868	219,839	287,959	256,238	284,258
Brown-coal briquettes ..	194,640	218,868	236,349	228,387	230,756	283,952
Tar	5,899	12,179	8,162	6,048	19,493	13,132
Creosote	5	3,990	2,206	5,774	5,416	3,630
Naphthalene	40	1,968	1,056	1,904	5,687	5,172
Carbolic acid	124	905	1,640	1,832	4,106	5,921
Benzol	30	2,524	97	108	1,821	5,186
Toluol and xylol ..	2,124	1,211	398	17	659	3,098
Carbolineum	132	411	404	204	262	1,202
Solvent naphtha ..	58	225	443	289	548	689
Norway—						
Coal	1,384,675	1,280,793	1,798,884	1,031,877	(e) 754,861	(e) 608,264
Coke	172,010	388,125	190,480	280,097	298,358	301,641
Briquettes	(a)	(a)	(a)	(a)	12,166	5,741
Tar and pitch, etc. ..	12,461	9,173	10,466	12,368	13,053	13,439

(a) Information not available.

(b) January to September only.

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

Year	long tons
1949	111,998
1950	78,990
1951	62,051
1952	33,684
1953	179,798
1954	163,033

(d) July to December only.

(e) Excluding coal imported from Spitzbergen.

(f) April to December only.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway (cont.)—						
Benzol	(a)	100	101	72	102	(a)
Toluol and xylol	(a)	1,468	2,099	1,881	1,692	3,606
Pitch coke	28,012	14,166	1,194	2	306	246
Creosote, etc.	9,227	7,733	10,347	9,736	8,535	10,632
Portugal—						
Anthracite	13,603	26,295	21,873	14,774	16,772	8,677
Other coal	856,901	743,197	563,492	420,127	526,883	429,454
Coke	21,454	23,766	37,004	21,889	22,304	20,020
Briquettes	1,306	11,100	9,717	79	5,262	3,328
Tar and pitch	4,363	7,599	9,746	3,663	5,813	6,586
Carbolic acid	39	6	2	42	16	32
Creosote	(a)	(a)	539	1,253	1,661	881
Carbolineum	(a)	(a)	610	174	254	7
Naphthalene	136	173	76	110	132	94
Spain—						
Anthracite	113	—	—	276	70	(a)
Bituminous	898,993	571,667	325,133	712,920	769,337	(a)
Coke	83,140	143,203	82,427	131,577	215,849	(a)
Briquettes	944	—	13,937	50,140	11,758	(a)
Tar and pitch	68,073	39,208	69,751	54,526	65,026	(a)
Benzol, toluol, xylol, etc.	62	865	1,338	2,993	762	(a)
Sweden—						
Anthracite	32,288	48,045	71,934	29,235	44,855	39,018
Other coal	3,869,809	4,705,734	5,166,522	4,736,801	3,550,030	2,936,548
Coke	1,953,920	2,272,868	2,481,633	2,580,928	1,982,273	1,874,785
Briquettes	5,274	23,617	595,978	541,422	171,672	157,404
Tar, pitch, etc.	4,619	2,998	8,624	12,557	5,934	8,853
Benzol, etc.	6,543	8,817	10,274	8,929	9,967	12,542
Carbolic acid, etc.	2,168	2,228	1,202	2,017	2,407	3,480
Naphthalene	1,430	2,169	1,602	3,779	2,565	3,157
Switzerland—						
Coal	1,325,390	1,760,585	2,342,328	1,867,741	1,420,311	1,799,584
Lignite	854	805	5,204	770	438	901
Coke	429,264	576,340	558,599	635,620	592,420	651,264
Briquettes	233,268	294,595	418,336	256,718	294,642	300,155
Tar and pitch	37,524	54,113	66,932	47,101	76,896	84,140
Creosote, etc.	1,465	1,091	3,141	1,345	522	535
Naphthalene, etc.	8,842	10,514	15,464	9,369	13,349	21,789
Yugoslavia—						
Anthracite	(a)	40,671	53,057	69,468	49,925	60,546
Other coal		4,395	3,703	64,533	391,127	546,436
Coke		336,229	466,981	446,041	230,525	213,772
Coke dust		29,309	10,365	12,432	6,057	981
Benzol, toluol, etc.		1,860	2,240	2,010	1,199	1,395
Naphthalene		168	184	372	353	313
Algeria—						
Coal	353,808	383,028	360,666	473,945	225,748	267,312
Coke	948	4,660	—	—	986	116
Briquettes	1,067	13,143	3,520	2,154	2,186	2,990
Tar and pitch	2,104	9,913	6,289	6,326	4,836	3,477
Benzol, toluol, etc.	128	211	215	333	243	417
Naphthalene	95	48	56	75	70	75
Heavy oils	40	83	135	94	123	14
Angola—						
Coal	25,015	19,972	29,887	36,344	25,893	31,034
Coke	(a)	(a)	3,428	(a)	(a)	(a)
Belgian Congo—						
Coal	157,933	148,517	107,835	183,871	130,365	118,243
Coke	44,302	56,648	52,215	62,747	73,864	74,784
Briquettes	32,081	—	23,948	6,238	246	25,008

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgian Congo (cont.)—						
Benzol, toluol, etc. ..	(a)	(a)	(a)	(a)	113	217
Carbolineum	(a)	(a)	(a)	(a)	338	348
Pitch	(a)	(a)	(a)	(a)	85	103
Tar	(a)	254	600	621	348	726
Cameroon (French)—						
Coal, coke, etc. ..	38,101	7,921	14,670	23,143	8,811	48
Canary Islands—						
Coal (b)	106,356	63,363	72,928	58,256	44,065	(a)
Cape Verde Islands—						
Coal (b)	41,826	(a)	26,349	17,193	2,110	6,901
Ceuta—						
Coal (b)	247,339	213,228	99,535	68,974	111,134	(a)
Egypt—						
Coal	257,329	143,840	223,415	178,258	67,178	118,162
Coke	7,068	7,869	8,266	7,962	5,637	13,190
Briquettes	52,353	24,296	7,195	6,980	2,302	6,030
Tar and pitch	59	43	67	61	5	105
Naphthalene	43	98	110	109	117	42
Coal-tar residues ..	900	195	80	7	2	12
Ethiopia—						
Coal	8,886	7,446	6,041	3,452	3,233	(a)
Naphthalene	258	280	340	184	201	(a)
French Equatorial Africa—						
Coal and briquettes ..	51,218	7,249	3,099	10,302	3,505	99
French Somaliland—						
Coal	21,172	12,536	17,300	10,895	10,574	—
French Togoland—						
Coal and briquettes ..	2,367	(a)	964	752	393	855
French West Africa—						
Coal	158,064	91,433	86,413	155,332	21,428	15,961
Briquettes	46,061	70,174	135,427		30,955	44,321
Other	1,673	1,181	4,429		—	845
Madagascar—						
Coal	24,818	60,644	25,657	49,846	17,677	18,352
Melilla—						
Coal	9,854	17,764	15,694	23,235	11,881	(a)
Morocco (French)—						
Coal	103,468	89,585	77,900	88,956	111,996	(a)
Coke	3,034	3,300	3,193	5,693	6,231	(a)
Tar	3,796	5,503	(a)	6,760	4,818	(a)
Mozambique—						
Coal	191,844	216,598	209,957	221,409	206,252	(a)
Coke	167	381	512	464	479	(a)
Tar, pitch and asphalt ..	852	1,388	2,296	2,810	1,712	(a)
Naphthalene	2	33	6	1	6	(a)
Reunion—						
Coal	12,750	(a)	10,031	16,380	118	5,359
Tunis—						
Coal	212,533	157,337	200,824	165,050	71,666	59,226
Coke	11,238	13,038	10,322	(a)	10,713	11,121
Briquettes	541		(a)	(a)	(a)	(a)
Tar	974		1,732	2,399	(a)	29	71
Costa Rica (c)—						
Coal	100	10	(a)	(a)	21	(a)
Cuba (c)—						
Coal	24,305	9,518	55,980	70,498	62,344	(a)
Coke	18,622	15,408	7,441	(a)	(a)	(a)
Creosote oil	75	131	144	(a)	(a)	(a)
Tar and pitch	123	159	121	(a)	(a)	(a)

(a) Information not available.

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

(c) Total imports.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Dominican Republic (b)— Coal, coke, briquettes, etc.	454	175	400	396	214	1,457
French West Indies—						
Guadeloupe—						
Coal	1,379	59	2,358	2,925	52	1,263
Martinique—						
Coal	8,108	5,703	2,591	2,960	2,052 2	(a)
Coke	1					
Guatemala—						
Coal	120	44	136	106	(a)	(a)
Coke	638	1,124	162	203	(a)	(a)
Haiti—						
Coal (c)	23	42	(a)	(a)	(a)	(a)
Mexico—						
Coal	1,628	763	976	26,097	35,071	51,625
Coke	77,491	29,345	13,540	18,564	6,841	14,265
Tar and pitch	74	21	76	156	212	309
Benzol, etc.	423	518	877	1,404	1,330	1,977
Creosote	73	171	213	158	2,181	4,136
Nicaragua—						
Coal	(a)	10	—	—	—	(a)
Coke	(a)	77	121	92	64	(a)
Tar and Pitch	(a)	3,893	1,578	2,369	2,266	(a)
Panama Republic—						
Coal	193	204	(a)	132	128	(a)
Salvador—						
Coal	140	250	210	150	121	191
Coke					112	195
St. Pierre and Miquelon—						
Coal	12,098	11,772	6,606	11,668	9,725	10,555
United States—						
Anthracite	—	16,329	23,939	26,223	28,074	5,206
Bituminous	222,793	227,641	193,138	173,136	155,657	112,734
Lignite	1,196	1,999	1,282	574	462	1,069
Slack and culm	57,243	79,919	65,879	60,434	46,471	63,696
Coke	247,774	390,699	144,321	279,035	140,463	103,376
Briquettes	326	718	110	150	87	213
Tar and pitch	8,223	13,762	14,164	14,601	13,746	60,651
Benzol	9,712	77,572	228,285	145,694	68,592	41,622
Cresylic acid	4,853	13,570	15,518	4,655	8,944	5,160
Creosote oil	132,415	165,143	196,271	265,451	214,216	156,765
Naphthalene	22,359	50,101	34,359	41,346	37,813	30,386
Carbolic acid	69	69	34	61	121	22
Argentina—						
Coal	1,319,660	1,424,232	2,167,638	1,712,803	1,165,222	1,482,373
Coke	38,753	19,895	50,195	42,850	43,588	45,012
Tar and pitch	123	285	(a)	301	38	148
Benzol	441	1,050		1,800	1,700	1,551
Naphthalene	828	752		28	400	3,243
Carbolic acid	667	1,276		981	868	2,818
Creolin	2	—		—	20	57
Heavy coal-tar oils	580	631	212	1,004	1,953	
Bolivia—						
Coal and coke	11,458	1,765	12,303	11,569	4,723	8,879
Brazil (total imports)—						
Coal	755,257	1,065,622	989,493	870,589	730,135	760,308
Coke	22,030	35,835	53,218	30,323	3,973	34,678
Briquettes	24,349	(a)	11,031	38,899	(a)	(a)
Carbolic acid	327	(a)	265	537	341	1,097
Benzol, toluol, etc.	512	(a)	1,252	500	455	2,141
Naphthalene	181	(a)	15	4	—	24

(a) Information not available.
(b) Total imports.

(c) Years ended September 30 of that stated.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Chile—						
Anthracite	2,650	53	2	} 174,205	196,841	248,020
Other coal	(a)	76,572	193,843			
Coke	7,312	5,905	1,960			
Naphthalene	63	4	—			
Carbolic acid and cresol	1,428	474	1,513			
Tar and pitch	1,361	3,247	2,218	8,322	(a)	(a)
Colombia—						
Coal	(a)	(a)	1,426	397	209	314
Coke	(a)	(a)	—	16	4	49
Tar	(a)	(a)	26	8	110	3
Benzol, toluol, etc.	(a)	(a)	157	148	102	334
Creosote oil	(a)	(a)	13	7	3	4
Carbolic acid	(a)	(a)	36	41	6	9
Naphthalene	(a)	(a)	54	4	2	1
Dutch Guiana—						
Coal	128	(a)	(a)	(a)	(a)	(a)
Peru—						
Coal	—	210	3,327	3,326	72	10
Coke	564	461	963	984	874	189
Tar	1	—	12	5	2	9
Naphthalene	83	14	8	9	70	33
Uruguay—						
Coal	109,021	126,030	136,958	114,567	79,776	83,434
Coke	4,227	847	3,363	3,799	2,445	(a)
Naphthalene	63	25	—	1	64	(a)
Venezuela—						
Coal	855	707	694	716	476	(a)
Naphthalene	30	(a)	(a)	36	23	(a)
French India—						
Coal	(a)	(a)	8,077	6,041	(a)	(a)
French Indo-China—						
Coal	9,488	11,490	10,457	(a)	(a)	(a)
Indonesia—						
Coal	(a)	24,250	34,804	58,207	51,669	35,929
Coke	(a)	2,783	6,580	2,989	4,046	2,133
Tar	(a)	419	1,090	894	1,121	785
Iraq—						
Coal	1,260	1,873	1,782	2,342	(a)	(a)
Coke	353	335	883	379	(a)	(a)
Tar and pitch	4,531	7,509	10,925	9,788	(a)	(a)
Israel—						
Anthracite	20,001	13,500	13,004	24,555	22,613	37,174
Other coal	4,766	7,920	7,801	2,043	991	3,998
Coke	1,033	12,319	2,661	2,534	4,691	4,068
Japan—						
Anthracite	} 1,677,088	83,350	140,890	187,756	408,243	362,405
Other coal		735,694	1,763,465	3,114,615	4,434,705	3,178,741
Tar and pitch		32	50	1,020	33	58
Benzol		293	73	—	27	6
Toluol		907	246	—	1,242	2,227
Naphthalene		(a)	33	98	—	3,559
Carbolic acid		63	—	—	771	976
Cresol		559	398	248	2,601	2,484
Korea (total imports)—						
Coal	651,000	430,000	831,000	861,000	923,000	(a)
Philippine Republic—						
Coal	2,189	3,039	10	58	10	—
Coke	2,555	3,991	4,524	2,742	4,843	4,055
Tar	232	111	339	144	75	448
Creosote	775	1,016	1,562	822	1,338	1,311

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portuguese India—						
Coal	2,779	(a)	(a)	(a)	(a)	(a)
Coke	153	(a)	(a)	(a)	(a)	(a)
Syria and Lebanon—						
Anthracite	344	1,000	156	4,945	2,018	7,500
Coke	705	1,900	1,600	1,567	3,828	2,949
Turkey—						
Coal	—	20	3	—	53	—
Cresol and naphthalene	40	122	44	114	79	30
French Oceania—						
Coal	3,852	5,941	3,410	5,307	3,649	1,968
New Caledonia—						
Coal	125,541	67,481	87,197	156,837	127,475	169,799

(a) Information not available.

COBALT
PRODUCTION OF COBALT
(Metal content)
(Cwt.)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Northern Rhodesia ..	10,237	13,177	13,985	9,901	16,828	21,423
Canada (b)	5,527	5,213	8,496	12,696	14,308	20,116
Australia (c)	181	208	165	214	211	220
FOREIGN COUNTRIES						
Belgian Congo	86,670	101,334	112,494	134,462	162,945	169,461
Morocco (French) ..	4,901	8,346	14,251	19,782	11,850	14,530
Mexico	—	—	35	316	—	—
United States	4,658	7,226	8,059	12,172	11,240	17,826
TOTAL	112,174	135,504	157,485	189,543	217,382	243,576

Complex ores containing cobalt are known to have been 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

(c) Estimated cobalt content of cobalt oxide.

EXPORTS OF COBALT, ETC.
(Domestic Produce)
(Cwt.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Cobalt and cobalt alloys	751	602	849	653	379	843
Cobalt oxide	882	2,450	421	1,547	3,046	3,024
Other compounds ..	9,683	12,376	7,940	6,939	6,471	7,051
Northern Rhodesia—						
Cobalt	—	—	—	536	5,536	11,250
Cobalt alloy	28,268	35,750	34,589	26,589	22,357	24,304
Canada—						
Cobalt ore (<i>Co content</i>)	440	149	315	—	331	29
Cobalt	107	—	1,717	2,817	6,869	10,170
Cobalt alloys	305	9	7	183	106	44
Cobalt oxides and salts	5,273	3,466	5,888	7,018	8,326	7,466
Australia—						
Cobalt	80	—	—	—	—	—
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cobalt (<i>b</i>)	19,470	24,595	27,570	30,150	31,904	22,457
Finland—						
Cobalt ore	—	2,479	80	—	—	—
France—						
Matte and speiss ..	4	—	94	175	2	—
Ingots and scrap ..	6	476	543	654	1,028	772
Cobalt salts	14	4	356	215	89	85
Sweden—						
Cobalt	—	—	—	—	39	20
Belgian Congo—						
Cobalt	37,690	45,952	49,950	66,415	91,332	99,445
Cobalt-copper ingots ..	109,778	130,608	139,813	162,079	173,101	158,579
Morocco (French)—						
Cobalt ore	35,628	62,596	131,687	177,433	113,577	158,457
United States—						
Cobalt ore, etc. ..	—	—	—	} 22,641	3,373	27,329
Cobalt alloys and scrap	1,472	1,422	92			

(a) Information not available.

(b) Exports of cobalt metal are not separately recorded. Figures relate to imports into the United States from Belgium.

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Rondels, pellets and squares	6,705	5,836	5,587	9,264	7,740	27,009
Other kinds, including alloys	24,419	30,117	25,507	20,758	23,432	23,853
Cobalt oxide	5,635	5,111	8,305	10,371	11,806	7,729
Other compounds	688	2	453	4	(a)	(a)
Canada—						
Ore	727	34,933	32,927	133,423	38,286	93
Cobalt oxide	9	231	—	—	254	62
Hong Kong (total imports)—						
Cobalt oxide	(a)	(a)	(a)	(a)	419	420
Australia—						
Cobalt ores, etc.	(a)	(a)	(a)	(a)	(b) 53	(b) 90
Cobalt ingots, etc.	322	290	(a)	(a)	(b) 171	(b) 139
Cobalt salts	(b) 853	800	640	900	500	520
New Zealand—						
Cobalt salts	2,615	5,670	4,138	4,578	1,481	3,080
FOREIGN COUNTRIES						
France—						
Cobalt ore	20,286	30,756	79,882	106,048	60,442	79,605
Matte and speiss	4,027	567	2	6	—	4
Ingots and scrap	449	413	18	230	167	348
Cobalt oxide	22	297	167	203	108	22
Cobalt chloride	—	4	21	60	—	—
Italy—						
Metal and alloys, crude and scrap	(a)	(e) 211	423	1,783	1,380	1,764
Cobalt oxide	691	(d) 448	(d) 526	(d) 1,228	(d) 1,358	(d) 1,063
Portugal—						
Cobalt oxide	(a)	(a)	5	105	32	3
Sweden—						
Cobalt	2,543	2,067	1,791	2,491	728	1,299
Yugoslavia—						
Cobalt	(a)	(a)	(a)	(a)	20	51
United States—						
Cobalt ore (c)	32,466	30,734	37,682	56,535	50,847	49,042
<i>Co content</i>	14,579	17,081	16,066	25,608	22,001	21,160
Cobalt metal	49,896	60,240	75,856	105,880	138,071	127,035
Cobalt oxide	3,217	8,368	3,898	3,455	5,447	3,843
Cobalt salts	3	42	28	116	2,440	3,153
Argentina—						
Cobalt	393	624	(a)	638	441	3,116
Brazil—						
Cobalt oxide	235	(a)	3	220	118	849
Japan—						
Cobalt ore	(a)	—	758	(a)	(a)	197
Ingots, slabs and grains	(a)	20	244	3,453	4,657	4,421
Cobalt oxide	(a)	89	343	(a)	1,466	63
Turkey—						
Cobalt metal	7	—	—	—	—	—
Cobalt salts	—	—	4	4	32	24

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) As recorded in official trade returns. According to U.S. Bureau of Mines includes cobalt alloy.

(d) Including molybdenum oxide.

(e) July to December only.

COPPER
PRODUCTION OF COPPER ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	(a)	(a)	27	16	11	16
Kenya (exports)	—	—	100	306	531	—
Northern Rhodesia (d) ..	254,988	292,788	314,329	324,275	366,795	391,704
Southern Rhodesia	79	115	94	107	450	296
South West Africa	9,514	10,823	12,417	13,970	12,047	14,004
Tanganyika	—	27	135	252	485	368
Union of South Africa	30,821	33,446	33,198	34,558	35,575	41,641
Canada (d)	235,229	235,901	241,046	230,039	226,118	270,296
Cyprus (e) (f)	23,558	22,933	22,451	26,396	21,372	26,838
India	6,440	7,180	7,580	6,670	5,206	7,722
Australia	13,462	14,905	16,607	20,088	36,495	40,857
New Zealand	75	—	19	—	—	—
TOTAL	575,000	618,000	648,000	656,700	705,100	793,700
FOREIGN COUNTRIES						
Austria	1,339	1,651	1,813	2,710	3,080	3,068
Finland (d)	18,422	15,203	18,018	18,386	18,477	19,921
France (d)	66	42	51	44	16	—
Germany—						
Federal Republic	854	1,340	1,643	2,320	2,020	2,195
East (b)	7,500	8,200	8,400	11,000	15,600	20,400
Italy	400	410	390	400	440	700
Norway	14,640	15,374	13,782	13,417	12,823	13,374
Portugal	2,900	2,585	2,963	2,720	(c) 737	(c) 341
Spain (b)	10,000	12,000	13,000	17,000	14,000	16,000
Sweden	16,016	15,846	14,219	13,554	13,325	13,004
U.S.S.R. (estimated)	231,000	251,000	285,000	329,000	340,000	355,000
Yugoslavia	38,000	42,609	35,382	36,386	34,759	31,642
Angola	730	1,259	1,140	1,112	1,451	3,296
Belgian Congo (smelter) ..	139,166	173,142	188,927	202,499	210,734	220,257
Morocco (French)	354	20	28	797	1,129	750
Cuba	17,000	20,235	20,873	17,059	15,184	15,571
Mexico (d)	56,342	60,724	66,287	57,540	59,198	53,940
United States (d)	672,098	811,913	828,866	826,229	827,186	746,653
Bolivia (exports)	4,994	4,630	4,769	4,629	4,393	3,064
Chile (d)	365,233	357,028	373,729	402,179	357,400	357,912
Ecuador	698	518	—	—	2	—
Peru	27,517	29,797	31,794	30,687	34,842	37,062
Japan	32,366	38,806	42,085	52,706	57,953	64,166
Formosa	(a)	(a)	(a)	193	752	843
Korea (South)	28	27	5	(b) 500	(b) 500	(b) 350
Philippine Republic	6,896	10,220	12,511	13,032	12,514	14,122
Saudi Arabia	48	41	(a)	(a)	(a)	(a)
Turkey (smelter)	11,105	11,515	12,889	22,962	26,913	24,815
TOTAL	1,680,000	1,890,000	1,980,000	2,070,000	2,070,000	2,020,000
WORLD'S TOTAL	2,260,000	2,500,000	2,630,000	2,730,000	2,770,000	2,810,000

(a) Information not available.

(b) Estimated.

(c) Not strictly comparable with previous years.

(d) Amount estimated as recoverable.

(e) Estimated copper content of concentrates, cement copper and cupreous pyrites exported. The copper content of copper concentrates and cement copper produced was as follows (long tons): 1949—18,500; 1950—14,800; 1951—17,100; 1952—18,000; 1953—15,500; 1954—18,900.

(f) Revised.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Northern Rhodesia ..	259,108	276,463	309,159	312,409	362,656	378,656
Union of South Africa ..	29,248	32,816	32,403	33,663	34,443	40,314
Canada (b) ..	200,377	206,465	210,746	199,458	184,686	229,609
India ..	6,390	6,614	7,083	6,079	4,920	7,161
Australia (d) ..	9,830	15,420	15,241	20,008	34,159	38,047
TOTAL (i) ..	504,953	537,778	574,632	571,617	620,864	693,787
FOREIGN COUNTRIES						
Austria (c) ..	3,735	5,284	6,348	6,330	9,177	9,248
Finland ..	21,052	17,322	21,146	22,342	23,153	22,214
Germany—						
Federal Republic ..	38,400	47,700	51,700	41,700	47,400	49,400
East ..	14,000	15,000	15,000	16,000	21,000	25,000
Italy ..	29	54	138	1,154	(a)	(a)
Norway ..	9,159	8,892	8,519	9,851	11,913	12,687
Portugal ..	—	—	19	—	—	—
Spain ..	11,574	9,567	6,260	6,803	6,118	5,693
Sweden ..	14,132	16,247	13,784	13,220	17,077	16,355
U.S.S.R. (estimated) (e)	231,000	251,000	285,000	329,000	340,000	355,000
Yugoslavia ..	33,841	39,447	31,505	32,301	30,697	29,817
Angola ..	732	1,258	1,082	972	1,105	1,705
Belgian Congo ..	139,166	173,142	188,927	202,499	210,734	220,257
Mexico (i) ..	47,831	47,439	56,549	47,928	49,369	41,151
United States (f) ..	767,525	900,472	925,563	914,662	935,529	844,553
Chile ..	345,197	340,004	354,412	377,230	331,916	332,873
Peru ..	20,785	22,860	23,932	20,214	23,038	26,101
China ..	(a)	(g) 4,000	(g) 6,000	(a)	(a)	(a)
Formosa ..	(a)	354	496	815	563	880
Japan (h) ..	37,935	36,589	43,155	48,531	62,609	67,780
Korea (South) ..	303	(a)	18	34	(a)	(a)
Turkey ..	11,105	11,515	12,889	22,962	26,913	24,815
TOTAL (i) ..	1,750,000	1,950,000	2,055,000	2,125,000	2,150,000	2,090,000
WORLD'S TOTAL (i)	2,255,000	2,488,000	2,630,000	2,697,000	2,771,000	2,784,000

(a) Information not available.

(b) Copper content of blister and anode copper.

(c) Includes secondary metal.

(d) Revised. Previous figures referred to refined copper only.

(e) May include secondary metal.

(f) In addition, secondary metal was recovered as follows (long tons): 1949—636,735; 1950—872,535; 1951—832,395; 1952—806,426; 1953—855,771; 1954—756,000.

(g) Estimated.

(h) In addition, secondary metal was recovered as follows (long tons): 1949—34,936; 1950—46,805; 1951—46,356; 1952—44,380; 1953—27,011; 1954—37,026.

(i) Revised.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore, matte, etc.	143	(a)	(a)	(a)	(a)	(a)
Bars and ingots	32,113	23,470	3,174	7,034	20,735	20,090
Scrap	1,640	3,084	678	2,808	824	—
Plates, sheets, etc.	12,598	10,738	9,255	8,182	6,981	8,533
Rods and wire	33,533	30,141	11,157	9,902	7,892	23,555
Tubes	6,089	4,769	4,848	4,383	3,747	5,161
Sulphate	38,267	54,839	40,104	41,944	45,255	39,193
Kenya—						
Concentrates	—	—	524	1,614	3,002	—
Northern Rhodesia—						
Ore and concentrates	(a)	—	—	6,037	—	(c) 1,429
Blister	180,765	217,481	186,886	229,591	227,470	(c) 205,655
Electrolytic	62,653	73,288	103,847	109,754	144,581	(c) 178,595
Southern Rhodesia—						
Ore and concentrates	(a)	(a)	(a)	46	493	(d)
South West Africa—						
Copper-lead ore (Cu content) (b)	9,486	10,515	11,272	14,554	12,284	12,301
Tanganyika—						
Lead concentrates (Cu content)	—	27	135	251	485	368
Union of South Africa—						
Copper-gold concentrates (Cu content)	172	82	21	32	30	154
Copper matte (Cu content)	362	347	680	877	928	1,209
Ingots, bars and blocks	29,662	33,988	29,078	31,726	31,515	40,394
Canada—						
Ore, matte, etc. (Cu content)	33,087	28,839	32,904	30,748	45,677	42,332
Ingots, etc.	113,536	119,861	90,921	101,496	117,852	139,402
Scrap, slag, etc.	3,139	5,566	887	1,550	9,507	9,755
Rods, sheets and strips	27,727	13,627	11,088	16,631	5,150	7,186
Tubes	424	607	779	3,750	971	1,526
Wire (excl. insulated)	(£84,869)	(£444,133)	(£495,707)	(£2,058,254)	(£704,916)	(£321,800)
Cyprus—						
Concentrates, cement copper and cupreous pyrites (Cu content)	23,558	22,933	22,451	26,396	21,372	26,838
Hong Kong (including re-exports)—						
Crude and refined, unwrought (incl. alloyed)	1,322	2,863	5,195	21	—	—
Scrap	—	—	—	267	179	627
Bars, sheets, tubes and wire (incl. alloyed)	3,587	5,821	237	14	40	25
India—						
Ingots, etc.	68	74	164	2,013	345	136
Malaya (including re-exports)—						
Ingots, sheets, wire, etc.	107	112	85	137	117	93
Sulphate	(a)	(a)	(a)	(a)	28	3

(a) Information not available.

(b) Copper content of lead-copper-zinc ores and concentrates, the gross weight of which is shown under "Lead" up to 1951.

(c) Federation of Rhodesia and Nyasaland.

(d) Included, if any, under Northern Rhodesia.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia—						
Ore, etc. (<i>Cu content</i>) ..	(b) 285	(b) 455	610	959	1,098	2,469
Matte (b)	—	300	—	2,001	—	1
Blocks and ingots ..	6	1	12	649	9,979	9,803
Scrap	34	69	65	78	749	60
Bars, sheets, wire, etc. ..	54	120	69	120	1,681	1,000
New Zealand—						
Scrap	9	1	—	3	140	368
Irish Republic—						
Scrap	914	1,512	717	1,339	1,338	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	2,487	—	1,978	—	—	1,339
Rough copper	12	1,353	1,394	843	1,422	687
Scrap	65	468	32	3	6	2
Bars, sheets and wire ..	232	8	49	74	34	48
Sulphate	1,484	477	38	99	451	331
Belgium-Luxemburg						
E. U.—						
Rough copper	126,808	116,966	104,000	120,046	128,978	125,015
Scrap	5,819	8,452	2,812	993	940	954
Bars, sheets, wire, etc. ..	14,314	19,123	22,226	17,944	16,292	20,904
Tubes and pipes	1,549	1,848	1,637	1,928	1,949	2,951
Sulphate	8,336	8,126	19,856	25,211	13,810	20,422
Denmark—						
Rough copper	28	123	378	1,351	721	521
Scrap and alloyed	1,557	2,028	1,534	1,762	2,506	2,241
Bars, sheets, wire, etc. ..	51	57	15	52	169	136
Finland—						
Ore	—	3	—	—	—	—
Rough copper and scrap ..	3,447	4,257	4,203	1,698	2,373	1,420
Sheets and wire	652	564	860	670	1,281	2,861
France—						
Ore, matte, etc.	403	167	167	—	—	31
Ingots	75	732	2,836	34	84	1,678
Scrap	204	1,924	563	106	1,260	986
Bars, sheets and wire ..	2,220	2,570	3,502	1,288	1,276	3,948
Sulphate	5,966	5,751	8,835	2,327	6,803	5,606
Germany (Federal)—						
Ore	—	—	295	—	12,594	—
Rough copper	22,193	36,106	35,209	55,621	47,297	40,852
Scrap	—	47	1,043	455	1,366	450
Bars, sheets, wire, etc. ..	1,429	5,626	4,997	11,192	10,103	15,785
Sulphate	(c) 274	(c) 1,278	(c) 692	2,126	2,957	4,643
Greece—						
Ore	—	1,526	—	—	—	89
Italy—						
Ore	19	3	668	19	—	—
Ingots and alloys	499	163	261	98	324	35
Scrap	136	19	2	45	—	1
Bars, sheets, wire, etc. and alloys	4,031	1,986	1,368	1,173	374	488

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including ferrous sulphate.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Ingots and bars	175	453	326	1,296	288	218
Scrap	2,125	15,205	15,701	11,924	12,085	9,217
Sheets, tubes and wire	313	234	175	1,811	4,949	12,614
Sulphate	—	28	92	4	40	17
Norway—						
Ore	6,125	6,289	11,259	7,114	9,414	11,688
Matte	12,598	16,147	13,571	15,202	14,008	11,694
Burnt cupreous pyrites	—	817	2,756	5,780	2,358	(a)
Rough and refined copper	7,050	8,910	6,432	7,505	10,850	12,024
Scrap, including alloyed	1,568	2,116	1,756	2,044	2,282	2,515
Portugal—						
Ore	—	1,126	—	—	—	—
Rough copper, sheets, etc.	14	23	23	12	7	17
Sulphate	83	113	153	90	17	18
Spain—						
Ore	3,175	—	—	—	—	(a)
Ingots, bars and alloyed	9	39	9	119	—	(a)
Sheets, tubes, wire and alloyed	505	36	28	129	—	(a)
Sulphate	352	185	432	187	508	(a)
Sweden—						
Rough copper	4,212	5,485	5,115	11,724	15,455	18,136
Scrap	49	1,599	425	117	2,594	623
Sheets, tubes, wire, etc.	9,945	14,506	12,137	13,477	15,952	21,324
Sulphate	1	1	67	3	—	1
Switzerland—						
Ore, filings and turnings	266	3,048	2,385	1,421	1,207	1,406
Bars, ingots, etc.	114	1,276	191	933	1,894	924
Scrap	308	844	162	84	506	434
Sheets, tubes, wire, etc. including alloyed	2,806	4,755	2,361	4,123	9,192	9,770
Yugoslavia—						
Concentrates		640	—	(a)	(a)	—
Blister		7,672	7,672	5,262	9	—
Electrolytic	(a)	492	4,782	12,454	14,487	10,845
Scrap		—	203	255	101	—
Sulphate		1,212	881	7,899	4,516	1,534
Algeria—						
Ore	77	320	169	242	128	921
Bars, sheets and wire	365	707	1,002	1,463	538	1,382
Scrap	395	1,196	226	76	428	613
Sulphate	—	—	6	—	44	69
Angola—						
Ore	207	1,770	1,125	332	(a)	(a)
Ingots	1,773	(a)	(a)	(a)	(a)	1,669
Belgian Congo—						
Blister		79,704	79,223	88,446	103,023	
Refined	149,024	84,543	101,583	113,108	100,822	223,184
Copper-cobalt ingots	5,489	6,530	6,991	8,104	8,655	7,929
Egypt—						
Rough copper and scrap	137	—	83	116	—	152
Morocco (French)—						
Ore	2,288	154	404	1,827	4,280	2,711
Old and scrap	4	11	(a)	272	(a)	(a)
Cuba—						
Ore	40,057	77,026	66,067	50,627	87,319	87,577
Scrap	129	196	128	(a)	(a)	(a)

(a) Information not available.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Mexico—						
Ore, concentrates, etc.	26,806	17,575	26,122	25,884	38,940	42,296
Rough copper	50,945	51,499	44,976	50,957	49,860	41,617
<i>Cu content (b)</i>	48,469	50,963	51,529	33,071	37,570	29,798
United States—						
Ores, matte, blister, etc. (<i>Cu content</i>)	179	550	209	577	442	2,115
Refined ingots, etc. ..	123,060	129,073	119,022	155,476	97,777	192,813
Scrap	7,396	8,433	6,876	7,983	30,864	67,657
Sheets, rods, wire, etc. . .	19,328	15,771	8,103	8,619	8,930	4,636
Pipes and tubes	2,986	1,775	1,928	2,313	1,448	1,070
Sulphate	28,319	26,918	38,508	38,768	29,159	26,574
Bolivia—						
Ore, etc. (<i>Cu content</i>) ..	4,994	4,630	4,769	4,629	4,393	3,064
Chile—						
Ores and concentrates ..	14,957	15,913	21,055	28,213	32,577	28,049
Precipitate	306	808	1,781	2,011	787	1,673
Ingots—						
Blister and refined ..	171,357	178,840	184,070	216,673	220,700	233,000
Electrolytic	176,846	138,194	119,818	130,630	68,900	122,000
Bars and sheets	1,123	840	10,038	10,900	6,040	4,430
Wire	6,208	3,216	18,861	12,601	6,340	(a)
Sulphate	129	954	547	984	399	181
<i>Cu content (c)</i>	378,794	(a)	314,385	359,087	313,692	369,304
Ecuador—						
Concentrates	2,912	617	—	—	(a)	(a)
Peru—						
Ore (<i>Cu content</i>)	7,129	5,209	8,490	10,206	9,240	10,504
Matte, etc. (<i>do.</i>)	384	191	221	339	392	367
Bars, etc. (<i>do.</i>)	19,561	21,244	24,325	21,008	21,247	25,633
Precipitate (<i>do.</i>)	328	137	193	430	480	406
Japan—						
Ingots and blocks	20,586	48,802	6,471	382	1,782	6,356
Bars, rods and tubes ..	(a)	27,774	4,122	3,047	1,296	4,407
Plates, sheets and wire	(a)	6,332	13,590	16,620	1,379	14,666
Scrap	(a)	4,867	—	455	—	—
Sulphate	(a)	666	—	108	299	105
Philippine Republic—						
Ore and concentrates ..	22,630	15,551	105	9,097	3,343	1,330
Copper-gold-silver concentrates	(a)	41,672	66,316	65,506	62,015	59,872
Scrap	1,997	1,488	10,485	59	(a)	(a)
Turkey—						
Ore	(a)	(a)	(a)	—	4,819	3,937
Ingots	7,116	6,216	7,413	16,404	17,418	11,521

(a) Information not available.

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

 (c) Total metal content of above items (*not* additional) and of complex ores not shown.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Bars, ingots, etc.—						
Electrolytic	175,565	209,858	219,166	207,214	211,138	244,323
Other refined	14,688	1,516	5,532	4,832	6,828	16,972
Blister	120,449	105,998	130,931	170,572	100,124	117,636
Scrap	2,004	301	1,113	1,814	1,180	9,363
Plates, sheets, etc. .. .	39	22	13	31	13	51
Rods	12,335	1,106	—	271	6	2
Tubes	11	46	8	61	10	10
Wire	22	160	42	286	37	36
Anglo-Egyptian Sudan—						
Sulphate	96	53	246	39	14	(a)
Gold Coast—						
Rods, sheets, tubes etc. .	(a)	(a)	(a)	(a)	(a)	330
Wire	(a)	(a)	(a)	(a)	(a)	71
Kenya—						
Crude, refined, alloys and scrap	25	52	(b)	202	(b)	222
Bars, sheets, tubes and wire	202	289	79	123	1,006	21
Sulphate	4	22	92	137	5	4
Mauritius—						
Bars, rods, sheets, wire, etc.	95	49	(b)	13	87	79
Nigeria—						
Rods, sheets, tubes, etc. .	(a)	(a)	(a)	(a)	(a)	213
Wire	(a)	(a)	(a)	(a)	(a)	72
Southern Rhodesia—						
Ingots, bars and rods .. .	329	355	624	827	395	(c)
South West Africa—						
Bars, sheets, pipes, wire, etc.	231	193	402	(a)	(a)	(a)
Tanganyika—						
Crude, refined, alloys and scrap	24	14	30	2	21	62
Sheets, tubes, wire, etc. .	321	76	94	224	228	257
Sulphate	41	48	104	51	44	31
Uganda—						
Sheets, tubes, wire, etc. .	74	19	12	5	135	21
Union of South Africa—						
Bars, ingots and slabs .. .	13,592	17,149	16,281	19,337	11,266	13,583
Plates, sheets and tubes .	2,104	1,236	1,046	1,080	704	(a)
Wire	1,412	805	886	322	392	(a)
Canada—						
Blocks, pigs and ingots ..	8	109	1,349	11,583	4,924	1,521
Bars, sheets, wire, etc. .	1,794	1,917	2,384	1,429	1,881	2,388
Scrap	340	413	1,129	1,829	8,110	555
Sulphate	461	632	33	1,372	1,782	949
British West Indies—						
Barbados—						
Bars and sheets	(£1,835)	(£1,926)	(£2,847)	(£2,196)	(b)	(£619)
Trinidad—						
Sulphate	(a)	(a)	18	16	37	23
Cyprus—						
Bars, sheets, wire, etc. .	81	199	180	97	61	104
Hong Kong (total imports)—						
Crude and refined, unwrought incl. alloys ..	379	1,736	6,546	171	55	7
Scrap	}	}	}	271	98	33

(a) Information not available.
(b) Excess of re-exports.

(c) Federation of Rhodesia and Nyasaland.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports) <i>(cont.)</i> —						
Bars, sheets, tubes and wire incl. alloys ..	5,600	7,470	249	2,359	1,368	186
Sulphate	11	120	35	—	—	—
India—						
Ingots, cakes, blocks, etc.	20,449	29,054	3,224	6,324	5,110	10,181
Scrap	4,780	6,564	1,032	175	246	1,641
Sheets, tubes, wire, etc. ..	1,216	170	344	1,602	1,742	157
Sulphate	721	1,418	1,592	1,531	1,123	1,067
Malaya (total imports)—						
Ingots, sheets, wire, etc. ..	1,032	972	1,029	1,570	1,582	783
Sulphate	(a)	(a)	(a)	(a)	109	162
Pakistan (b)—						
Ingots, cakes, blocks, etc.			2	207	49	144
Scrap	(a)	(a)	752	686	—	—
Sheets, tubes, wire, etc. ..			73	333	51	49
Sulphate			20	45	85	40
Sarawak—						
Bars and sheets ..	2	8	20	1	12	61
Australia—						
Ore and concentrates ..	22	626	2	16	19	30
Blocks and ingots ..	23,033	13,948	20,142	24,206	1,666	14,409
Scrap	165	99	39	42	6	36
Rods and bars	4,939	10,474	6,026	2,173	828	1,867
Sheets, tubes, etc. ..	1,362	1,387	1,486	1,940	934	1,231
Sulphate (c)	226	1,541	1,367	2,134	96	678
New Zealand—						
Bars, sheets, pipes, etc. ..	2,092	3,417	3,195	3,994	2,943	4,542
Wire	1,439	1,537	914	1,249	638	1,113
Sulphate	398	404	368	1,409	22	460
Irish Republic—						
Bars, sheets, wire, etc. ..	2,285	2,025	1,717	2,284	1,434	2,299
Sulphate	2,730	2,369	2,071	2,239	2,481	2,199
FOREIGN COUNTRIES						
Austria—						
Ore	(a)	8,547	—	—	—	—
Rough copper	3,808	4,396	4,658	7,840	8,276	14,466
Scrap	511	1,258	1,527	911	1,890	1,190
Bars, sheets, wire, etc. ..	3,227	2,179	3,700	2,390	737	622
Sulphate	—	—	76	1,134	—	—
Belgium-Luxemburg						
E.U.—						
Ore	5,222	5,540	6,699	1,201	581	494
Matte and rough copper ..	148,871	152,720	144,663	167,452	153,131	172,672
Scrap	9,948	18,652	20,660	11,671	12,116	7,484
Bars, sheets, wire, etc. ..	734	2,117	596	540	1,794	1,559
Tubes	541	546	512	478	627	681
Sulphate	47	30	5	6	26	16
Denmark—						
Rough copper	2,318	4,607	3,403	3,611	3,822	3,162
Scrap, including alloyed ..	473	735	491	317	310	88
Bars, sheets, wire, etc. ..	9,981	10,754	10,137	8,196	8,715	12,198
Sulphate	1,250	1,967	1,220	1,165	1,143	1,856

(a) Information not available.

(c) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Finland (total imports)—						
Rough	112	395	218	1,468	1,880	2,211
Scrap	4	651	200	4	—	—
Bars, sheets, tubes and wire	1,427	2,038	1,805	4,759	1,732	758
Sulphate	—	10	71	23	24	49
France—						
Ore	1	1	1	51	—	—
Rough copper—						
Unrefined	13,361	6,470	12,125	14,295	6,362	8,902
Refined	106,189	97,420	95,609	122,742	89,052	126,690
Alloyed	20,212	3,232	68	210	23	71
Scrap	2,565	1,016	849	2,910	823	1,341
Bars, sheets and wire ..	594	322	262	13,359	271	267
Sulphate	7,406	2,614	8,153	18,550	7,757	2,661
Germany (Federal)—						
Ore and burnt cupreous pyrites	745,340	1,031,613	1,080,319	1,190,402	(c) 138,682	(c) 148,995
Matte	(a)	(a)	(d) 3,058	20,898	8,255	9,257
Rough copper, including refined ..	42,036	59,128	62,147	78,613	95,820	172,434
Scrap	3,733	11,668	20,848	21,702	37,255	93,076
Bars, sheets, wire, etc. ..	233	33	4,888	5,791	304	17,268
Sulphate	—	(e) 75	(e) 603	852	581	1,914
Greece—						
Rough copper and alloys	185	444	279	61	86	319
Sheets, tubes, alloys, etc.	393	577	146	444	560	428
Sulphate	492	3,705	5,172	1,965	2,038	3,046
Iceland—						
Bars, tubes, wire, etc. ..	201	103	88	208	296	(a)
Italy—						
Ore	13,179	4,483	—	2,082	—	—
Ingots and alloys	44,204	60,459	62,874	62,752	69,687	87,124
Scrap	5,051	11,408	9,063	8,176	8,887	17,757
Bars, sheets, wire, etc., and alloys	6,999	4,791	4,717	3,359	2,184	1,986
Sulphate	12,494	10,993	1,965	1,326	8,385	5,739
Netherlands—						
Ingots and bars	21,574	19,440	14,746	12,412	16,711	28,154
Scrap	51	946	1,898	562	1,469	2,218
Sheets, tubes and wire ..	6,011	9,108	6,761	10,327	11,259	16,186
Sulphate	975	1,242	819	412	781	1,072
Norway—						
Rough copper	3,196	2,390	1,682	2,836	3,452	4,891
Copper-nickel matte	19,006	16,362	20,634	26,119	29,576	34,624
Scrap	13	—	69	34	34	65
Sheets and rods	954	1,044	698	772	901	1,347
Bars, tubes and wire (b) ..	7,749	9,156	7,664	8,977	7,823	9,047
Sulphate	320	117	373	36	112	96
Portugal—						
Ore and concentrates	—	165	—	—	55	—
Ingots, wire, etc.	(b) 4,529	2,963	3,044	4,099	4,409	5,502
Sulphate	658	1,046	1,760	2,378	6,101	5,012
Spain—						
Ore	93	—	31	78	—	(a)
Precipitate and scrap (b) ..	2,968	1,466	2,722	4,121	2,063	(a)
Ingots and bars (b)	5,538	3,413	1,553	8,848	7,946	(a)
Sheets, tubes and wire (b) ..	127	65	59	733	253	(a)
Sulphate	6,978	8,192	10,788	6,953	2,741	(a)

(a) Information not available.

(b) Including alloys.

(c) Excluding burnt cupreous pyrites.

(d) October to December only.

(e) Including ferrous sulphate.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Sweden—						
Ore	4,993	3,985	12,181	36,225	41,029	49,899
Rough copper	38,156	37,219	37,704	43,620	29,855	57,799
Scrap	2,657	2,383	6,323	8,516	5,428	1,633
Sheets, rods, wire, etc.	669	511	564	1,314	575	1,814
Sulphate	135	488	519	574	531	356
Switzerland—						
Ore, filings and turnings	318	343	416	23	347	2,729
Bars, ingots, etc. (b)	16,411	17,474	24,801	24,926	13,761	28,180
Scrap (b)	173	54	732	267	42	1,322
Sheets, tubes, wire, etc. (b)	3,287	5,697	13,677	7,075	3,506	7,754
Algeria—						
Ore	181	—	—	—	—	—
Rough copper	5,207	2,097	3,510	4,950	2,363	3,355
Scrap	—	—	—	1	1	11
Bars, sheets, wire, etc.	466	326	316	307	218	255
Sulphate	7,973	6,039	5,958	6,958	4,151	3,652
Egypt—						
Crude and scrap	2,043	3,325	2,303	627	166	900
Bars, sheets, tubes, etc.	1,463	678	773	505	924	510
Sulphate	1,864	2,800	2,247	1,030	1,446	3,150
Morocco (French)—						
Ingots, sheets and wire (b)	902	876	(a)	895	(a)	(a)
Mozambique—						
Bars, sheets, wire and alloys	239	152	62	142	141	(a)
Tunis—						
Bars, sheets and wire	175	(a)	89	(a)	73	108
Costa Rica—						
Bars, sheets and wire	40	12	(a)	(a)	351	(a)
Sulphate	6,828	7,249	(a)	(a)	10,931	(a)
Cuba (total imports)—						
Ingots and bars	247	252	140	(a)	(a)	(a)
Sheets, tubes and wire	1,421	1,401	1,271	(a)	(a)	(a)
Guatemala—						
Sheets and wire	238	245	205	191	(a)	(a)
Sulphate and carbonate	4,554	5,353	7,931	6,952	(a)	(a)
Mexico—						
Ingots	55	4	4	11	26	11
Bars, sheets, alloys, etc.	978	1,327	1,672	845	438	317
Sulphate	—	691	1,513	4,569	804	575
United States—						
<i>Cu content of—</i>						
Ore and concentrates	113,862	84,791	87,643	95,717	91,606	108,355
Matte, precipitate, etc.	1,791	1,141	1,929	3,600	5,895	4,838
Blister	137,093	128,393	160,370	154,844	249,354	225,738
Refined ingots, bars and plates	246,671	288,373	219,780	310,123	245,324	192,035
Scrap	6,040	34,443	9,378	4,618	6,989	4,218
Sulphate	—	210	95	—	—	—
Argentina—						
Ingots, electrolytic	3,898	8,945	(a)	14,668	12,108	12,969
Sulphate	1,097	2,900	(a)	735	—	175

(a) Information not available.

(b) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (total imports)—						
Electrolytic	18,328	17,254	19,177	16,877	18,693	34,419
Rough	3,411	3,844	2,303	2,449	653	2,439
Plates and sheets	1,020	982	984	1,197	629	1,833
Tubes, pipes and wire	1,201	(a)	1,616	2,201	808	3,364
Sulphate	2,068	(a)	3,441	2,278	5,225	5,361
Chile—						
Bars, sheets and wire	199	91	94	99	(a)	(a)
Colombia—						
Ingots, sheets, etc.	209	375	157	228	147	399
Sulphate	1,366	4,573	7,523	8,819	4,178	6,254
Peru—						
Bars, sheets, etc.	406	395	536	688	474	267
Sulphate	311	583	399	416	744	558
Uruguay—						
Bars and sheets	418	620	259	459	793	(a)
Venezuela—						
Sheets	146	145	(a)	150	181	(a)
Sulphate	65	71	(a)	157	65	(a)
Formosa—						
Ingots	(a)	—	—	—	515	717
Sheets and wire	(a)	283	413	293	69	126
Iran (total imports) (b)—						
Ingots, bars, sheets and alloys	(a)	(a)	534	220	942	(a)
Iraq—						
Sheets	32	200	71	(a)	(a)	(a)
Japan—						
Ore and concentrates	(a)	10,317	1,829	20,014	40,139	28,310
Refined copper	(a)	(a)	(c) 3	(c) 154	555	7,620
Scrap	(a)	2	89	1,181	16,960	37,817
Turkey—						
Ingots, bars, and sheets	595	797	131	222	338	616
Sulphate	886	705	544	971	1,434	1,212

(a) Information not available.

(c) Including alloys.

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

DIAMONDS
PRODUCTION OF DIAMONDS*
(Metric carats)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gold Coast (c)	963,435	1,187,915	1,752,879	2,189,557	2,180,728	2,135,459
Sierra Leone	494,119	655,485	474,821	452,618	481,709	400,076
Southern Rhodesia	6	—	40	48	6	2
South West Africa	280,501	504,604	502,983	537,450	610,332	683,560
Tanganyika	194,874	164,996	108,625	143,023	172,304	326,009
Union of South Africa	1,264,795	1,731,510	2,228,911	2,383,211	2,717,620	2,858,688
British Guiana	34,790	37,462	43,260	38,305	35,306	30,073
India	1,632	2,769	1,674	2,054	2,207	1,955
Australia (Industrial)	5	130	129	49	736	1,564
TOTAL	3,231,050	4,284,871	5,113,322	5,746,315	6,200,948	6,437,386
FOREIGN COUNTRIES						
Angola	769,981	538,867	734,324	743,302	729,376	721,606
Belgian Congo—						
Gem diamonds	550,423	543,342	537,652	594,988	564,072	527,737
Industrial do.	9,099,545	9,604,128	10,027,103	11,013,840	12,016,198	12,092,377
French Equatorial Africa	122,928	111,407	147,791	156,708	140,143	152,528
French West Africa	94,996	124,568	100,980	136,080	179,850	217,650
Liberia (d)	(a)	(a)	(a)	(a)	(e) 1,187	19,305
Brazil (b)	250,000	250,000	250,000	250,000	250,000	250,000
Venezuela	56,662	60,389	63,226	92,291	84,790	96,983
TOTAL	10,945,000	11,233,000	11,861,000	12,987,000	13,965,000	14,078,000
WORLD'S TOTAL	14,176,000	15,518,000	16,974,000	18,733,000	20,166,000	20,515,000

* For Values see next page.

(a) Information not available.

(b) Estimated.

(c) 1949 relates to exports. Subsequent figures relate to production which was shared by Companies and African diggers as follows:—

		<i>Companies</i>	<i>African diggers</i>
1950	..	573,725	614,190
1951	..	876,116	876,763
1952	..	680,295	1,509,262
1953	..	930,793	1,249,935
1954	..	1,000,480	1,134,979

(d) Exports.

(e) May to August only.

PRODUCTION OF DIAMONDS*

(£ sterling)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gold Coast (e)	1,390,636	2,312,000	5,930,000	5,921,000	3,677,000	4,277,000
Sierra Leone	1,173,532	1,884,519	1,367,805	1,584,163	1,685,982	1,400,265
Southern Rhodesia	26	—	200	478	50	30
South West Africa	3,512,700	6,631,551	9,586,261	10,494,864	10,861,923	12,987,648
Tanganyika (b)	1,679,976	2,042,703	1,313,383	1,731,768	1,784,036	3,070,451
Union of South Africa (d)	7,646,727	10,854,496	14,043,432	14,013,544	13,913,979	13,398,280
British Guiana (b)	243,350	287,259	385,706	308,738	288,591	247,158
India	20,630	31,347	40,087	35,881	42,132	35,576
Australia	12	216	206	94	3,850	9,800
TOTAL	15,638,000	24,044,000	32,667,000	34,091,000	32,258,000	35,426,000
FOREIGN COUNTRIES						
Angola	2,524,000	2,138,000	3,422,000	4,009,000	4,405,000	4,147,000
Belgian Congo—						
Gem diamonds	631,454	(b) 766,000	782,000	949,000	934,000	1,510,000
Industrial do.	2,022,243	(b) 2,920,000	3,474,000	4,807,000	5,231,000	7,608,000
French Equatorial Africa	558,000	727,000	501,000	905,000	898,000	1,053,000
French West Africa	207,000	408,000	351,000	580,000	610,000	709,000
Liberia (f)	(a)	(a)	(a)	(a)	(g) 1,642	180,000
Brazil (c)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	566,000	586,000	518,000	737,000	510,000	377,000
TOTAL	7,509,000	8,545,000	10,048,000	12,987,000	13,590,000	16,584,000
WORLD'S TOTAL	23,150,000	32,589,000	42,715,000	47,078,000	45,848,000	52,010,000

* For *Quantities* in Metric Carats see previous page.

(a) Information not available.

(b) Estimated on export value (f.o.b.).

(c) An allowance has been made for this in the totals.

(d) Estimated.

(e) 1949 relates to exports. Subsequent figures relate to value of production based on the ruling f.o.b. prices.

(f) Exports.

(g) May to August only.

EXPORTS OF DIAMONDS
(Domestic Produce)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gold Coast .. Ct.	963,435	944,103	1,768,013	2,133,873	2,164,262	2,159,224
£	1,390,636	1,837,452	5,981,816	5,399,885	3,924,755	4,088,923
Sierra Leone .. Ct.	537,397	638,312	477,130	423,327	416,742	443,598
£	1,097,816	1,555,994	1,371,749	1,217,059	1,198,133	1,699,875
South West Africa— Uncut .. Ct.	251,611	455,288	431,954	543,712	621,562	550,987
£ (S.A.)	3,089,814	6,704,978	9,671,800	12,064,457	13,584,782	12,068,070
Tanganyika— Gem diamonds.. Ct.	83,757	40,771	4,423	201,106	94,187	167,927
£	1,289,856	713,716	67,616	3,504,502	1,509,179	2,581,073
Industrial diamonds Ct.	107,947	29,796	4,165	130,237	76,322	161,985
£	362,551	110,159	21,337	541,689	256,339	526,168
Union of South Africa— Uncut (b) .. Ct.	1,079,565	2,919,842	4,483,279	810,699	916,202	821,276
£ (S.A.)	5,891,819	12,014,868	15,379,386	7,625,887	8,253,036	7,142,798
Cut and polished Ct.	79,305	113,591	116,819	110,277	92,780	109,556
£ (S.A.)	4,859,699	8,118,920	9,832,098	9,274,728	7,076,218	8,044,458
British Guiana Ct.	35,306	38,037	40,759	39,213	35,531	30,384
£	247,747	284,038	353,849	307,840	281,162	249,716
Hong Kong (re-exports)— Cut and polished £	(a)	(a)	(a)	491,004	71,397	256,020
Industrial .. £	(a)	(a)	(a)	(a)	(a)	7,976
Malaya (re-exports)— Cut and polished £	12,398	44,506	55,591	120,535	18,100	11,198
Australia— Gem diamonds (c) Ct.	617	—	—	—	—	513
£ (A.)	1,288	—	—	—	—	15,655
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.— Cut and polished Ct.	244,166	436,414	519,363	478,000	540,690	666,107
£	7,475,482	15,860,101	20,058,474	18,410,000	19,584,539	22,898,664
Industrial diamonds Ct.	1,200,354	1,600,524	1,130,214	682,000	1,197,469	271,272
£	2,403,948	2,949,692	3,698,520	2,418,000	4,770,569	3,455,646
France— Uncut £	298,343	321,533	478,662	90,110	160,249	132,651
Cut £	635,951	1,652,428	1,327,120	1,485,932	1,277,097	2,565,427
Industrial diamonds £	66,952	12,257	4,793	50,482	38,269	45,735
Netherlands	(a)	(a)	(a)	(a)	(a)	(a)
Sweden— Industrial diamonds £	2,889	10,415	26,727	29,607	24,656	24,983
Angola Ct.	889,377	555,330	718,312	741,272	724,195	724,190
£	3,220,185	2,285,339	3,489,481	3,598,763	(d)4,373,128	4,373,649

(a) Information not available.

(b) Figures up to and including 1951 relate to diamonds of mixed African origin, including South African diamonds, the proportion of which is unknown. The comparable figure for 1952 was 4,491,207 carats valued £17,710,235. Figures for 1952 onwards relate to known South African produce only.

(c) Years ended June 30 of that stated.

(d) Revised.

EXPORTS OF DIAMONDS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Belgian Congo—						
Gem diamonds.. Ct.	9,822,978 £ 3,818,000	536,307 758,491	617,216 893,973	530,168 844,533	588,530 992,119	628,089 948,252
Industrial diamonds Ct.						
£		2,786,664	3,376,682	4,782,745	5,135,048	5,209,186
French Equatorial Africa—	132,897 £ 608,000	135,600 456,000	147,461 500,600	145,112 640,000	137,113 836,000	150,676 1,029,000
French West Africa	85,140 £ 62,170	128,960 76,122	112,580 (a)	117,442 (a)	183,080 (a)	223,478 (a)
Liberia Ct.	(a)	(a)	(a)	(a)	(c) 1,187	19,305
£	(a)	(a)	(a)	(a)	(c) 1,642	(a)
United States—						
Uncut Ct.	4,602	4,234	712	6,971	12,963	15,087
£	37,851	32,054	10,498	59,220	147,562	145,789
Cut Ct.	5,238	6,388	6,050	3,331	4,765	7,138
£	243,852	696,679	685,886	515,487	1,011,412	645,399
Industrial diamonds Ct.	25,760	(a)	9,490	653	1,556	9,758
£	51,070	(a)	27,529	7,525	4,904	22,364
Dust Ct.	55,637	58,563	60,621	79,183	65,853	90,665
£	37,204	45,032	59,478	77,461	65,067	84,575
Brazil (b)—						
Uncut Ct.	37,225	(a)	(a)	(a)	(a)	(a)
£	(a)	(a)	(a)	(a)	(a)	(a)
Cut Ct.	420	(a)	(a)	(a)	(a)	(a)
£	(a)	(a)	(a)	(a)	(a)	(a)
Carbons .. Ct.	14,300	(a)	(a)	(a)	(a)	(a)
£	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela .. Ct.	58,478	61,605	58,367	95,503	84,790	(a)
£	(a)	352,000	391,000	666,900	595,000	(a)
Israel—						
Polished .. Ct.	75,668	119,510	132,450	130,771	146,856	183,832
£I	1,830,770	3,146,702	4,167,574	4,015,277	4,563,221	5,606,713
Powder Ct.	32,481	(a)	(a)	(a)	(a)	(a)
£I	33,768	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

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

(c) May to August only.

IMPORTS OF DIAMONDS
(Less Re-exports)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) Ct.	13,542,619	14,780,625	17,144,539	16,287,131	17,088,155	17,045,746
£	17,785,060	28,293,792	37,097,275	38,927,673	36,086,195	39,368,499
Kenya Ct.	73	77	357	47	54	16
£	3,547	1,899	7,468	2,848	2,795	884
Northern Rhodesia—						
Uncut Ct.	1,800	500	200	44	—	(a)
£	1,689	550	270	430	—	(a)
Union of South Africa—						
Rough diamonds Ct.	6,771,247	4,897,767	1,106,053	6,681,525	8,197,869	d13,431,139
£ (S.A.)	1,594,365	(c)2,262,635	(c)8,177,872	(c)6,598,243	(c)552,475	d10,285,489
Cut and polished Ct.	96	2	—	—	9	(a)
£ (S.A.)	2,931	49	—	—	324	(a)
Canada—						
Unset Ct.	44,443	44,297	40,624	39,756	50,986	44,033
£	1,592,288	2,280,063	2,296,503	2,072,417	2,521,631	2,255,971
Dust, bort, etc. Ct.	261,769	531,561	577,838	818,749	395,441	364,135
£	437,051	944,738	1,311,390	1,884,666	954,352	678,411
Bermuda £	—	(a)	(a)	264,989	(e) 164,682	(e) 300,311
Ceylon—						
Cut and polished Ct.	342	1,140	1,446	1,679	3,072	3,471
£	19,676	67,056	98,215	97,978	168,022	116,374
Industrial diamonds Ct.	(a)	(a)	(a)	(a)	86	—
£	(a)	(a)	(a)	(a)	5,023	—
Hong Kong (total imports)—						
Gem diamonds £	(a)	(a)	(a)	1,693,236	1,928,198	2,050,215
Industrial diamonds £	(a)	(a)	(a)	806	713	3,513
India £	325,630	893	—	2,200	6,885	60,464
Malaya (total imports)—						
Cut and polished £	37,108	36,916	4,886	13,585	6,683	29,701
Australia—						
Industrial diamonds Ct.	190,694	194,588	184,024	210,487	92,874	50,327
£A	319,558	446,356	422,648	481,626	248,157	154,344
Other diamonds Ct.	f, g 24,722	96,116	67,504	7,267	15,905	(f) 18,955
£A	f, g 745,647	1,124,158	1,245,527	311,524	736,151	(f) 957,670
New Zealand—						
Industrial diamonds £N.Z.	26	1,297	145	448	260	151
Other diamonds £N.Z.	112,502	122,602	283,459	104,198	189,263	213,885

(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 the case of the Union of South Africa, diamonds of other African origin may be included. A certain amount of duplication is, therefore, unavoidable.

No figures are available as to the quantities re-exported from the United Kingdom.

(c) Excess of re-exports by value only. Total imports and re-exports were as follows:—

	Total imports		Re-exports	
	Carats	£(S.A.)	Carats	£(S.A.)
1950	16,620,678	7,148,360	11,722,911	9,410,995
1951	13,030,077	6,248,213	11,924,024	14,426,085
1952	12,815,782	10,220,249	6,134,257	16,818,492
1953	14,753,841	11,632,081	6,555,972	12,184,556

(d) Total imports. Re-exports, which are very large, are not available. E.g. see footnote (c) for previous years.

(e) Excess of re-exports.

(f) Years ended June 30 of that stated.

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

IMPORTS OF DIAMONDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Rough diamonds Ct.	1,472,603	2,782,712	2,726,285	3,297,000	3,421,498	2,678,888
£	6,213,765	16,752,013	20,481,542	19,534,000	20,307,269	18,985,304
Cut diamonds .. Ct.	(a)	31,441	26,461	10,600	23,449	62,852
£	(a)	1,408,852	1,297,388	552,000	992,219	3,060,477
Industrial diamonds Ct.	243,439	514,669	863,389	(a)	(a)	(a)
£	297,750	445,805	855,729	(a)	(a)	(a)
France—						
Uncut £	934,330	1,073,635	1,494,206	1,286,954	1,607,929	1,596,415
Cut and polished £	199,618	858,773	1,623,913	1,362,827	1,433,091	2,080,165
Industrial diamonds £	158	1,898	2,747	160	3,557	2,011
Netherlands .. .						
(a)	(a)	(a)	(a)	(a)	(a)	(a)
Norway .. . Ct.						
7,250	15,850	8,025	2,575	2,000	1,900	
£	3,522	4,689	5,939	2,087	2,003	1,745
Sweden—						
Industrial diamonds £	132,437	520,014	405,318	344,928	334,298	308,534
Yugoslavia .. Ct.						
(a)	2,715,000	560,000	289,000	315,000	260,525	
£	(a)	(a)	(a)	54,921	10,065	22,108
Mexico—						
Industrial diamonds Ct.	(a)	231,195	320,600	(a)	33,405	33,695
£	(a)	21,826	24,278	(a)	(a)	(a)
United States—						
Uncut Ct.	670,140	673,699	697,981	725,422	733,630	888,001
£	8,540,372	15,570,379	17,394,578	18,745,871	20,288,480	21,161,795
Cut and polished Ct.	335,487	492,671	480,516	438,546	444,247	594,772
£	12,234,843	20,901,751	22,092,144	18,520,302	17,989,303	22,333,932
Industrial diamonds Ct.	6,331,923	11,035,061	12,051,961	13,452,819	12,765,495	13,776,235
£	5,031,520	13,461,933	16,377,068	18,228,549	16,672,352	17,075,562
Dust Ct.	101,300	128,715	166,760	224,429	749,290	181,418
£	67,346	74,231	168,391	284,212	749,983	178,967
Bort, manufactured Ct.	1,060	2,694	6,659	11,631	7,891	2,389
£	21,726	62,698	147,394	140,287	104,101	64,685
Israel—						
Rough diamonds Ct.	185,266	366,661	322,440	360,159	401,967	507,384
£I	1,539,845	3,211,809	3,380,000	3,292,527	3,879,556	4,913,447
Bort Ct.	52,428	81,057	126,410	120,067	107,122	(a)
£I	31,987	54,454	176,471	184,005	138,774	(a)
Powder Ct.	3,540	6,552	2,700	14,860	15,495	(a)
£I	3,127	4,860	2,648	12,545	14,681	(a)
Japan—						
Uncut Ct.	(a)	} 3,990	} 4,915	(a)	(a)	(a)
£	(a)			(a)	(a)	(a)
Cut Ct.	(a)			(a)	(a)	(a)
£	(a)	(a)	(a)	(a)	(a)	
Industrial diamonds Ct.	(a)	(a)	(a)	66,900	103,545	124,505
£	(a)	(a)	(a)	(a)	290,534	294,812
Philippine Republic—						
Diamonds .. Ct.	1,463	2,440	645	—	421	—
£	8,220	20,376	4,400	3	300	—
Dust and bort .. Ct.	—	711	3	48	—	50
£	—	4,597	2	100	—	16

(a) Information not available.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	10,600	3,736	9,200	17,000	12,477	9,624
Northern Ireland ..	7,789	6,443	8,726	8,698	7,367	4,174
Kenya	2,189	2,572	4,218	5,932	4,378	3,258
Union of South Africa ..	1,137	429	—	1,062	107	935
Canada (shipments) ..	54	44	82	25	92	93
Australia	4,063	6,221	8,729	6,366	4,440	5,439
New Zealand	94	119	119	204	102	168
FOREIGN COUNTRIES						
Austria	3,480	3,233	3,832	3,839	3,067	3,150
Denmark—						
Diatomaceous earth ..	3,974	4,057	4,782	3,353	2,780	(a)
Moler (b)	70,000	70,000	95,000	100,000	100,000	110,000
Finland	1,434	1,009	1,324	1,103	1,773	1,220
France	37,038	35,943	70,182	61,800	68,070	44,000
Germany (Federal) ..	28,872	33,175	43,258	47,096	49,555	53,300
Italy	6,524	11,306	10,398	9,380	(b) 10,000	(b) 10,000
Sweden	1,815	1,752	1,818	1,547	1,342	904
Algeria	13,366	13,493	20,660	19,700	25,145	33,300
Egypt	1,159	1,045	2,709	710	104	156
Costa Rica	127	7	447	670	384	(a)
United States	(c) 244,700	(c) 244,700	(c) 244,700	(d) 268,000	(d) 268,000	(e) 270,172
Argentina	1,704	(a)	(a)	(a)	(a)	(a)
Chile	3,261	152	(a)	9,055	(a)	(a)

Diatomaceous earth is known to have been produced in Hungary, Norway, Portugal, Roumania, Spain, U.S.S.R., Brazil, Japan and Korea.

- (a) Information not available.
- (b) Estimated.
- (c) Average annual production 1949-1951.
- (d) Average annual production 1950-1953.
- (e) Average annual production 1952-1954.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	391	1,042	1,185	296	64	93
Denmark—						
Diatomaceous earth ..	(a)	(a)	3,907	5,170	5,287	5,897
Moler	50,742	57,120	75,599	78,890	74,825	90,549
Moler bricks	6,435	6,618	9,654	8,699	11,293	8,787
Finland	—	18	—	—	—	26
France (b)	875	897	1,736	1,921	1,890	1,375
Germany (Federal	626	1,815	3,892	5,780	5,921	1,947
Italy	84	140	33	137	416	496
Norway	106	207	20	—	—	1,635
Portugal	42	18	43	74	21	62
Sweden	8	118	31	36	10	15
Algeria (b)	11,190	11,112	14,570	10,435	12,376	14,890
Mozambique	—	—	89	(a)	(a)	(a)
Chile	79	143	278	31	(a)	(a)

(a) Information not available.

(b) Including tripoli etc.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	46,087	52,183	61,347	46,006	52,683	57,671
Union of South Africa ..	453	224	614	331	565	(a)
Canada	15,102	16,292	18,811	14,186	17,277	17,297
Australia	1,275	1,652	1,430	835	2,179	2,433
New Zealand	320	409	206	394	798	717
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.	3,628	5,505	11,682	11,821	9,464	2,535
Denmark	134	314	104	163	280	271
Finland (total imports) ..	54	164	599	338	374	704
France (incl. tripoli, etc.)	4,849	5,059	6,893	6,085	6,848	7,986
Germany	10,189	14,828	31,513	42,651	40,267	53,583
Iceland	16	11	37	(a)	(a)	(a)
Italy	129	333	520	1,390	1,819	761
Netherlands	2,363	2,917	4,484	2,676	4,945	4,296
Norway	2,761	4,396	3,126	2,946	2,026	2,273
Portugal	138	96	297	101	117	171
Sweden	468	681	747	411	882	755
Yugoslavia	(a)	69	167	44	515	81
Algeria (incl. tripoli, etc.)	5	61	83	33	95	71
Egypt	5	26	54	453	1,219	957
Cuba (total imports) ..	2,911	5,116	3,558	(a)	(a)	(a)
Mexico	2,553	2,540	2,390	1,969	4,214	2,894
Colombia	(a)	(a)	186	333	686	406
Peru	198	230	412	556	42	880
Venezuela (incl. tripoli, etc.)	395	300	(a)	635	896	(a)
Japan	(a)	(a)	37	1,078	4,018	2,009
Turkey	375	403	500	547	809	465

(a) Information not available.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
China stone	64,258	68,364	69,888	69,817	62,309	68,951
Kenya	20	—	—	—	—	—
Southern Rhodesia	—	3,464	1,129	—	—	—
Union of South Africa	3,493	5,096	3,290	7,361	5,480	3,526
Canada	32,989	31,739	36,383	18,096	18,970	13,785
India	849	1,722	3,385	2,020	3,881	6,476
Australia (including china stone)	10,730	13,066	14,842	13,589	6,883	16,384
FOREIGN COUNTRIES						
Austria	1,882	3,847	3,701	2,538	1,332	2,137
Belgium	1,147	600	—	275	—	(a)
Finland	9,915	8,899	8,069	9,635	9,156	10,830
France	46,764	41,498	58,830	(d) 85,716	(d) 75,600	61,000
Germany (Federal) (c)	47,500	75,500	70,401	117,407	114,191	138,322
Italy	13,308	17,786	28,684	25,036	24,342	30,373
Norway—						
Unground	19,048	17,534	23,024	21,704	12,514	16,373
Ground	8,000	5,787	7,602	7,131	5,896	11,390
Portugal	1,220	—	463	689	59	(a)
Spain (b)	(a)	8,124	10,869	10,195	10,495	(a)
Sweden (sales)—						
Unground	22,723	18,005	25,955	33,105	24,413	35,328
Ground	15,620	17,457	15,089	14,010	12,920	16,166
Madagascar	—	—	—	—	24	—
United States (sales)	369,378	407,925	400,439	420,831	452,600	(e) 415,000
Argentina	7,182	(a)	(a)	(a)	(a)	(a)
Brazil	10,936	(a)	(a)	(a)	(a)	(a)
Chile	124	857	1,181	592	2,047	(a)
Peru	295	—	129	—	—	—
Uruguay	798	699	664	884	779	696
Japan	19,738	12,979	26,109	23,812	24,682	(a)
TOTAL*	700,000	770,000	820,000	890,000	890,000	910,000

*Excluding felspar known to have been produced in Czechoslovakia, Roumania, U.S.S.R., China and French Indo-China.

(a) Information not available.

(b) In addition the following amounts were obtained from quarries (cubic metres): 1949—180; 1950—750; 1951—800.

(c) Including felspathic sand obtained as a by-product of china clay washing.

(d) Including pegmatite.

(e) Estimated.

EXPORTS OF FELSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	1,272	(a)	(a)	(a)	(a)	(a)
Canada	15,687	13,808	17,707	5,679	6,114	943
Australia	(d) 210	388	462	983	158	183
FOREIGN COUNTRIES						
Austria	30	54	139	16	32	19
Finland	6,388	6,595	7,479	6,956	6,658	6,584
France	5,690	6,416	8,419	5,910	6,679	9,302
Germany (Federal) ..	5,734	6,373	(c) 28,653	(c) 67,397	(c) 61,125	(c) 59,597
Italy	(a)	(b) 303	1,711	1,370	2,048	3,202
Netherlands	2,303	1,402	2,793	2,244	2,109	3,257
Norway—						
Crude	15,337	14,505	25,018	21,503	16,464	15,988
Ground	6,249	6,012	5,907	3,896	4,844	8,836
Sweden	19,165	24,971	28,573	30,534	23,701	31,527
Israel	267	779	(a)	(a)	(a)	(a)
Japan	(a)	(a)	366	317	393	454

(a) Information not available.

(c) Including fluorspar.

(b) July to December only.

(d) Years ended June 30 of that stated.

IMPORTS OF FELSPAR

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	9,798	19,460	26,355	23,038	14,546	17,510
Canada	204	129	174	138	300	355
Australia	118	273	356	333	150	212
New Zealand	186	177	314	449	282	533
FOREIGN COUNTRIES						
Austria	32	199	265	715	340	593
Denmark	3,429	3,137	2,806	2,772	3,117	3,293
Finland (total imports)	48	—	15	20	20	39
France	3,633	4,148	18,441	10,107	4,101	3,279
Germany (Federal) ..	2,799	6,021	(b) 6,639	(b) 12,092	(b) 10,200	(b) 21,025
Italy	(a)	(c) 25	1,076	950	1,420	1,430
Netherlands	6,490	10,761	14,064	8,428	10,676	13,432
Sweden	443	15	369	165	2	15
Yugoslavia	(a)	103	79	(a)	(a)	(a)
Algeria	(a)	(a)	316	422	210	463
Belgian Congo	(a)	(a)	(a)	(a)	(b) 40	(b) 203
Mexico	3,013	2,980	2,486	2,213	4,166	3,833
United States	15,826	12,367	17,128	5,576	5,999	977
Colombia (b)	(a)	(a)	2	50	13	38
Venezuela	3	(a)	(a)	88	140	(a)
Japan	(a)	(a)	—	2,991	1	184

(a) Information not available.

(c) July to December only.

(b) Including fluorspar.

FLUORSPAR
PRODUCTION OF FLUORSPAR
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) ..	66,508	63,008	74,754	75,823	79,128	82,685
Southern Rhodesia ..	236	440	109	—	333	107
South West Africa ..	—	71	767	4,348	5,037	2,737
Union of South Africa ..	4,780	6,838	12,087	10,128	14,312	19,639
Canada	57,569	57,333	66,260	73,381	79,079	107,212
Australia	562	576	489	86	333	19
FOREIGN COUNTRIES						
Belgium	(a)	(a)	(a)	(a)	(a)	(a)
France	45,302	40,995	53,537	65,047	62,200	57,700
Germany—						
Federal Republic ..	46,200	88,308	141,471	154,853	166,762	179,070
East (c)	40,000	60,000	70,000	80,000	80,000	80,000
Italy	20,481	28,722	40,371	58,191	92,345	75,930
Norway	881	825	889	669	694	436
Spain	58,653	32,644	58,732	61,517	(f) 50,381	70,518
Sweden (sales) ..	—	4,216	5,007	4,398	4,262	3,697
Morocco (French) ..	492	39	1,937	3,252	2,846	1,060
Tunis	346	—	—	2,435	2,009	—
Mexico (e)	54,893	64,708	65,706	177,393	154,609	130,534
United States (d) ..	211,343	269,205	309,843	298,008	283,961	218,696
Argentina	1,997	(a)	(a)	(a)	(a)	(a)
Bolivia (e)	260	60	38	79	18	190
Brazil	529	(a)	(a)	(a)	(a)	(a)
Japan	945	2,386	3,933	3,890	6,434	5,693
Korea (South)	1,535	5,381	4,176	5,411	11,017	8,872
Turkey	492	—	—	—	—	—
TOTAL* (f) ..	720,000	850,000	1,040,000	1,210,000	1,230,000	1,180,000

* Including estimates for fluorspar produced in the U.S.S.R. and China.

(a) Information not available.

(b) Including fluorspar recovered from old lead and zinc mine dumps.

(c) United States Bureau of Mines' estimate.

(d) Shipments.

(e) Exports.

(f) Revised.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	1,085	(a)	(a)	(a)	(a)	(a)
South West Africa ..	—	—	840	3,187	5,018	2,735
Union of South Africa ..	32	41	7,712	5,079	7,929	6,397
Canada	13,700	12,713	19,162	16,674	21,400	53,471
FOREIGN COUNTRIES						
France	2,371	3,670	2,831	2,284	3,053	3,859
Germany (Federal) ..	20,842	53,601	(b) 79,856	(b) 67,397	(b) 61,125	(b) 59,597
Italy	(a)	(c) 3,303	21,133	34,073	48,934	40,858
Norway	376	169	239	195	81	—
Spain	(a)	(a)	(a)	(a)	53,375	47,168
Sweden	234	34	26	52	48	69
Morocco (French) ..	(a)	(a)	522	2,047	3,051	337
Tunis	—	708	10	2,057	2,247	—
Mexico	54,893	64,708	65,706	177,393	154,609	130,534
United States	683	614	976	603	685	574
Bolivia	260	60	38	79	18	190
Korea (South)	(a)	4,666	2,539	3,682	4,870	(a)

(a) Information not available.

(b) Including felspar.

(c) July to December only.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada	2,241	1,404	7,311	20,280	18,001	14,500
Australia	70	408	933	855	869	427
New Zealand	4	5	5	24	12	10
FOREIGN COUNTRIES						
Austria	3,735	6,665	7,229	3,667	4,987	7,855
Denmark	661	575	711	394	1,046	815
France	—	720	—	635	280	296
Germany (Federal) (b) ..	—	—	1,187	12,092	10,200	21,025
Netherlands	1,931	2,825	3,015	3,600	7,727	8,225
Norway	254	1,758	234	130	491	415
Portugal	35	34	32	20	40	84
Sweden	881	2,145	6,152	4,388	6,892	5,078
Yugoslavia	(a)	(a)	(a)	(a)	495	595
Algeria	—	—	71	83	147	157
Belgian Congo	(a)	30	82	(a)	(b) 40	(b) 203
Mexico	2	5	37	4	10	4
United States	85,374	146,995	161,852	314,436	322,162	261,893
Colombia (b)	(a)	(a)	2	50	13	38
Peru	5	278	790	200	371	110
Japan	21,932	6,152	47,683	10,424	19,500	30,566

(a) Information not available.

(b) Including felspar.

FULLER'S EARTH
PRODUCTION OF FULLER'S EARTH
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Union of South Africa ..	1,549	2,079	2,504	1,704	894	1,576
India	4,852	4,560	4,000	8,132	4,871	1,333
Pakistan	(a)	(a)	(a)	(a)	(a)	(a)
Australia	119	40	60	110	106	73
FOREIGN COUNTRIES						
United States (sales) ..	286,532	353,594	431,806	377,547	384,000	(a)

Fuller's earth is also produced in the United Kingdom, Japan and Turkey.
(a) Information not available.

EXPORTS OF FULLER'S EARTH*
(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Australia	136	—	—	—	3	(b) 5
FOREIGN COUNTRIES						
Italy	(a)	(d) 85	181	56	679	401
United States (c) ..	10,800	14,600	31,200	23,200	(a)	(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. (d) July to December only.

IMPORTS OF FULLER'S EARTH
(Less Re-exports)
(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Union of South Africa ..	182	336	669	596	657	(a)
Canada	(£27,578)	(£39,211)	(£45,009)	(£62,798)	(£49,756)	(£43,849)
Ceylon	—	4	36	61	58	98
Australia	591	598	458	6	96	172
New Zealand	116	196	89	126	122	237
FOREIGN COUNTRIES						
Austria	480	509	587	416	(c) 732	(c) 713
Italy	(a)	(b) 443	340	599	740	676
Belgian Congo	(a)	1,242	725	(a)	(a)	(a)
Mexico	1,153	1,739	3,948	2,681	2,597	2,795
United States—						
Crude	31	—	36	18	—	—
Prepared	316	212	326	122	198	—
Chile	27	7	28	41	(a)	(a)
Peru	207	632	437	374	324	500
Venezuela	41	(a)	(a)	388	108	(a)
Philippine Republic ..	107	237	216	14	198	322

(a) Information not available.
(b) July to December only.

(c) Including bentonite.

GOLD

PRODUCTION OF GOLD

(Metal content)

(Fine troy ounces)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Anglo-Egyptian Sudan	4,114	3,533	1,495	1,545	2,175	1,554
Bechuanaland Protectorate	300	264	493	1,245	1,109	1,216
Gold Coast	676,931	689,429	698,676	691,460	730,963	787,075
Kenya	20,072	22,946	19,765	10,210	9,603	6,607
Nigeria	2,515	2,237	1,588	1,079	689	730
Northern Rhodesia	1,186	1,432	857	2,523	3,308	2,648
Southern Rhodesia	528,180	511,163	486,907	496,731	501,057	535,852
Sierra Leone	2,330	3,484	3,261	2,638	1,412	238
Swaziland	2,841	1,794	322	1	—	—
Tanganyika	69,042	(e) 66,615	(e) 64,534	(e) 68,274	(e) 74,070	(e) 73,756
Uganda (b)	648	509	184	166	429	456
Union of South Africa	11,705,048	11,663,713	11,516,450	11,818,681	11,940,616	13,237,119
Canada	4,123,518	4,441,227	4,392,751	4,471,725	4,055,723	4,366,440
British Guiana	18,988	12,366	13,485	22,237	19,247	25,726
India	164,203	196,925	226,364	253,264	221,961	240,792
Malaya (estimated)	13,000	17,600	16,200	18,800	17,400	19,900
Sarawak	1,523	1,440	931	843	417	531
Australia	889,057	867,837	895,551	980,435	1,075,181	1,117,742
Fiji	104,036	103,423	95,635	78,282	76,970	72,340
New Guinea	93,045	(c) 81,764	(c) 94,438	(c) 127,580	(c) 120,848	(c) 86,728
New Zealand	84,874	76,527	75,115	59,151	38,656	41,713
Papua	836	(d)	(d)	(d)	(d)	(d)
TOTAL	18,507,000	18,766,000	18,605,000	19,107,000	18,892,000	20,619,000
FOREIGN COUNTRIES						
Finland	11,417	6,559	18,069	19,741	19,483	16,976
France	55,537	63,755	68,127	68,706	64,687	15,967
Germany	(a)	(a)	1,479	2,025	6,430	(a)
Italy	11,478	11,989	13,564	16,731	13,876	5,973
Portugal	10,385	15,465	18,358	17,940	14,854	22,055
Roumania	112,528	(a)	(a)	(a)	(a)	(a)
Sweden	80,280	78,866	70,474	65,877	88,254	110,277
Angola	319	201	61	40	20	35
Belgian Congo	333,853	339,415	352,308	368,769	371,020	365,490
Cameroon (French)	7,955	6,381	4,835	2,318	950	686
Egypt	7,045	10,724	14,037	17,078	14,452	17,387
Eritrea	2,243	1,109	675	(a)	(a)	(a)

(a) Information not available.

(b) Exports.

(c) Including Papua.

(d) Included with New Guinea.

(e) Including gold in lead concentrates exported amounting to 114 ounces in 1950, 814 ounces in 1951, 2,738 ounces in 1952, 3,827 ounces in 1953 and 3,051 ounces in 1954.

PRODUCTION OF GOLD (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ethiopia (b)	45,102	43,524	32,938	27,291	26,696	(a)
French Equatorial Africa	50,961	48,947	47,036	45,971	48,220	40,317
French West Africa	46,639	(f) 4,326	(f) 1,765	(f) 1,331	(f) 1,460	(f) 362
Liberia (c)	13,183	12,110	9,806	949	863	1,135
Madagascar	1,496	1,742	1,753	1,606	1,554	1,227
Morocco (French)	—	119	2,058	4,051	2,537	3,568
Mozambique	2,468	996	861	831	1,034	2,027
Costa Rica	(e) 284	(e) 115	(e) 1	(d) 2,000	(d) 6,500	(d) 5,700
Cuba	(e) 5,692	(e) 6,915	(e) 835	(e) 881	(e) 1,181	(a)
Dominican Republic	(c) 1,114	(c) 534	(c) 460	332	(a)	(a)
Guatemala (e)	5	397	7	4	3	(a)
Honduras	25,832	30,380	31,216	35,040	38,988	(h) 49,516
Mexico	405,549	408,122	393,429	459,370	483,483	386,902
Nicaragua	218,831	231,037	251,869	254,059	261,899	232,212
Panama	9,657	1,118	2,712	—	—	—
Salvador	27,091	27,547	24,225	25,732	19,934	5,326
United States	1,991,783	2,394,231	1,980,663	1,893,261	1,958,291	1,831,741
Argentina (d)	8,000	8,000	8,000	8,000	8,000	8,000
Bolivia	32,440	1,736	1,275	9,000	1,029	804
Brazil	119,182	131,207	135,837	136,764	115,871	119,987
Chile	184,770	186,474	174,964	177,054	130,693	124,970
Colombia	385,307	406,319	430,723	422,240	437,295	377,467
Dutch Guiana	3,794	4,546	6,494	6,129	6,482	6,771
Ecuador	100,177	96,908	12,683	24,267	29,239	18,479
French Guiana	13,281	12,414	9,005	5,927	(c) 4,384	1,371
Peru	113,753	(g) 147,964	(g) 158,270	(g) 134,865	140,228	147,278
Venezuela	61,378	34,462	2,861	4,476	27,304	56,074
Burma	195	150	173	43	567	170
Formosa	16,607	21,820	26,730	28,109	21,551	23,116
Japan	84,556	135,033	177,472	200,936	228,255	237,304
Korea (South)	3,408	25,946	7,620	18,390	15,850	52,406
Philippine Republic	287,838	333,991	393,600	469,408	480,625	416,052
Saudi Arabia	66,835	66,202	73,104	69,394	81,566	31,240
Turkey	10,700	(a)	(a)	(a)	(a)	(a)
* TOTAL	4,900,000	5,400,000	5,100,000	5,200,000	5,300,000	4,900,000
* WORLD'S TOTAL (excl. U.S.S.R.)	23,400,000	24,200,000	23,700,000	24,300,000	24,200,000	25,400,000

* 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) European producers only.

(g) Including gold recovered from anode residues.

(h) Year ended June 30 of that stated.

EXPORTS OF GOLD*
(Domestic Produce unless otherwise stated)
(Metal content)
(Fine troy ounces)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (f)—						
Bullion—						
Unrefined	—	—	—	—	2,411	—
Refined	18,124,448	4,934,669	2,925,914	5,839,099	6,222,000	5,720,786
Coin	848,000	157,000	421,000	732,000	207,000	47,000
Anglo-Egyptian Sudan*						
Bullion	(a)	—	—	—	200	100
Gold Coast—						
Bullion	656,431	705,182	692,301	705,815	730,156	788,736
Kenya*—						
Bullion	29,200	28,700	25,300	15,000	10,600	7,000
Nigeria—						
Bullion	176	15	347	5	59	379
Northern Rhodesia—						
Bullion	166	169	79	4	—	(b)
Sierra Leone*—						
Bullion	(a)	2,400	1,900	2,000	3,000	2,100
Southern Rhodesia—						
Concentrates, etc.* ..	(a)	6,400	3,900	5,300	4,900	(c) 5,000
Bullion	536,011	516,361	484,354	501,835	505,558	(c) 522,555
South West Africa—						
Bullion	51	25	—	—	(a)	(a)
Tanganyika—						
Concentrates	(a)	114	814	2,738	3,837	3,141
Bullion (refined) ..	68,989	65,127	65,583	64,693	69,876	71,357
Uganda—						
Bullion	648	509	184	166	429	456
Union of South Africa—						
Ore and concentrates* ..	(a)	11,900	16,500	11,000	8,900	5,800
Bullion	12,188,000	6,491,000	6,847,000	7,597,000	7,947,000	12,535,000
Gold products	899,000	3,078,000	4,756,000	4,825,000	4,044,000	—
British Guiana—						
Bullion	14,698	10,278	9,184	15,007	11,357	16,196
Aden (f)*—						
Bullion and coin ..	—	1,200	—	70	—	—
India (d)—						
Bullion	405	410	1,206	—	4	1,019
Malaya—						
Bullion	(a)	17,800*	20,700*	13,449	14,806	19,849
Hong Kong*—						
Bullion (f)	(a)	1,600	4,600	2,600	106,000	1,554,000
Sarawak—						
Bullion	1,427	1,496	1,012	777	512	530
Australia—						
Ores, etc.	(e) 5,592	(e) 8,257	7,387	15,469	20,141	10,231
Bullion, refined	226	22	45	824,874	1,204,518	568,230
do. unrefined	(a)	(a)	(a)	(a)	(a)	502

* Some countries record the trade of Gold by value or by the gross weight of bullion only. In such cases the weight has been obtained by dividing the value by the official annual average price of gold per fine ounce but in no case has any account been taken of the premium. Countries for which this conversion has been effected are marked with an asterisk.

(a) Information not available.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Sea-borne trade only.

(e) Years ended June 30 of that stated.

(f) Including foreign produce.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Fiji—						
Bullion	104,115	103,111	93,700	80,189	70,467	78,411
New Guinea (b)—						
Bullion	91,295	85,052	87,593	110,214	138,694	90,857
New Zealand—						
Auriferous quartz, etc.	1,606	114	—	112	90	830
Bullion, etc.* ..	50,000	104,000	67,000	64,000	41,000	38,000
Sweepings and scrap ..	1,079	1,181	636	409	—	(a)
Papua (b)—						
Bullion	28	788	248	146	141	(a)
Irish Republic*—						
Bullion (c)	(a)	500	800	1,200	1,600	2,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.*(c)—						
Bullion and scrap ..	(a)	(a)	114,000	(a)	246,000	83,600
Denmark (c)—						
Beaten, rolled or drawn	50	1,500	(a)	(a)	(a)	(a)
France (c)—						
Bullion and scrap ..	1,412,000	3,639,000	3,202,000	2,254,000	1,391,000	894,000
Coin	286,000	957,000	1,280,000	1,738,000	1,426,000	194,000
Beaten, rolled or drawn	143,800	947,000	1,898,000	1,276,000	109,000	41,000
Italy (c)—						
Bullion and scrap ..	} 2,700	} 350	} 200	} 350	} 1,500	} 1,200
Beaten, rolled or drawn						
Netherlands (c)—						
Bullion	} 800,000	{ 1,400,000	(a)	(a)	(a)	(a)
Coin			{ 380,000	(a)	(a)	(a)	(a)
Sweden (c)—						
Bullion	69,000	50,000	90,000	142,000	102,000	37,000
Switzerland (c)—						
Unwrought	(a)	(a)	(a)	7,700	10,600	48,000
Belgian Congo—						
Bullion	359,000	343,000	365,000	400,000	381,000	363,000
Cameroon (French)—						
Bullion	6,000	4,700	4,200	2,600	1,100	1,300
Egypt (c)—						
Bullion	20,000	(a)	—	—	—	—
Coin	—	(a)	—	—	—	—
Ethiopia	(a)	16,500	(a)	10,000	(a)	(a)
French Equatorial Africa						
Bullion	90,000	46,000	45,000	39,000	30,000	40,000
French West Africa—						
Bullion	32,000	20,700	8,100	1,100	1,300	200
Liberia—						
Bullion	13,183	12,110	9,806	949	863	1,135
Madagascar—						
Bullion	4,500	10	900	—	60	38
Mozambique—						
Bullion	30	—	—	—	300	(a)
Costa Rica—						
Bullion	1,000	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including foreign produce.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Dominican Republic— Bullion and scrap ..	1,114	534	460	332	(a)	(a)
Guatemala— Bullion, etc.	5	400	—	(a)	(a)	(a)
Honduras (b)— Bullion, etc.	23,000	25,000	33,600	(a)	36,455	(a)
Mexico— Bullion	221,000	141,000	548,000	76,000	91,000	65,700
Nicaragua— Concentrates } Precipitates }	216,759	230,103	250,534	254,675	259,061	233,149
Panama— Bullion	9,657	886	945	(a)	(a)	(a)
Salvador— Bullion, etc.	27,091	29,053	27,097	27,682	(a)	(a)
United States— Ore and base bullion ..	2,865	725	17,549,222	1,835	(a)	(a)
Refined bullion	2,168,808	14,633,178		782,526	(a)	(a)
Coin	(a)	(a)		766,000	(a)	(a)
Argentina (c)— Bullion and coin	18,000	14,100	629,000	355,000	—	—
Bolivia— Ore	32,440	1,737	1,275	1,190	1,032	804
Bullion	(a)	—	—	7,845	—	214,317
Chile— Ores and concentrates ..	23,726	(a)	19,712	48,841	63,104	(a)
Colombia— Bullion	403,500	—	527,000	250,000	258,000	(a)
Dutch Guiana— Bullion	3,794	4,533	6,400	6,000	6,500	—
French Guiana— Bullion	15,000	12,400	9,000	7,000	4,384	1,200
Peru— Ores, concentrates, etc.	8,000	11,000	17,000	19,000	17,000	24,000
Bullion, etc.	103,000	106,000	105,000	108,000	80,000	51,000
Venezuela— Bullion	7,000	(a)	(a)	2,300	1,400	(a)
Philippine Republic— Concentrates and matte	6,300	14,200	1,400	12,000	38,841	23,870
Bullion etc.	5,600	15,000	75,000	116,000	33,969	24,551
Saudi Arabia— Bullion	(a)	10,296	(a)	(a)	(a)	(a)

(a) Information not available.

(c) Including foreign produce.

(b) Years ended June 30 of that stated.

TOTAL IMPORTS OF GOLD*
(Metal content)
(Fine troy ounces)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore, etc.*	(a)	68,000	218,000	410,000	346,000	48,000
Bullion—						
Unrefined	1,026,622	1,577,794	2,603,153	3,219,019	2,418,568	1,733,127
Refined	9,534,876	6,637,164	5,765,075	9,494,870	9,275,064	14,309,297
Coin	3,000	35,000	280,000	34,000	9,000	21,000
Malta*—						
Bullion and Coin ..	(a)	3,300	4,600	7,300	5,600	7,400
Anglo-Egyptian Sudan*—						
Bullion	(a)	57	36	—	260	(a)
Gold Coast—						
Bullion	966	—	274	—	270	—
Kenya*—						
Bullion	3,400	1,100	3,300	2,700	2,700	700
Southern Rhodesia*—						
Concentrates	(a)	9,100	9,500	7,800	200	100
Tanganyika Territory*—						
Bullion	(a)	194	600	160	640	110
Uganda*—						
Bullion	(a)	1,328	1,100	1,200	1,200	500
Zanzibar*—						
Bullion	(a)	1,000	1,400	1,100	800	300
Canada*—						
Bullion, etc. (b) ..	(a)	1,700	7,400	(a)	(a)	(a)
British West Indies—						
Jamaica*—						
Bullion	(a)	40	80	200	600	(a)
Coin	(a)	20	(a)	(a)	(a)	(a)
Trinidad and Tobago*—						
Bullion	(a)	400	20	230	530	1,000
Ceylon*—						
Bullion	(a)	9,500	12,000	14,000	12,000	20
Cyprus*—						
Bullion	(a)	280	360	390	270	170
Hong Kong*—						
Bullion	(a)	60	—	—	105,000	1,564,000
Coin	—	—	—	—	—	11,000
India—						
Bullion	705	7,107	4,254	35,960	1,255	1,717
Coin	12	1	103	400	119	58
Malaya—						
Bullion	(a)	1,200	1,027	896	658	532
Australia—						
Bullion, etc. ..	116,380	158,891	108,913	286,257	158,366	211,018
Fiji—						
Bullion	8	6	—	8	40	56
New Zealand—						
Concentrates ..	18	25	11	16	13	—
Bullion	356	537	484	556	479	787
Beaten, rolled or drawn*	200	400	280	140	220	190
Irish Republic*—						
Bullion	(a)	—	7,300	—	—	—

* See note on page 124.

(a) Information not available.

(b) Gold for commercial purposes only.

IMPORTS OF GOLD (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES*						
Belgium-Luxemburg						
E. U.—						
Bullion, scrap, etc. ..	(a)	(a)	449,600	(a)	414,000	418,000
Denmark—						
Beaten, rolled or drawn	10,000	17,000	(a)	(a)	(a)	(a)
Finland—						
Bullion	(a)	30	9,200	200	—	—
Sheet and wire ..	(a)	700	100	20	20	161
France—						
Bullion and scrap ..	985,000	2,163,000	1,398,000	1,977,000	1,754,000	608,500
Coin	(a)	(a)	576,000	744,000	305,000	77,000
Beaten, rolled or drawn	270,600	777,000	2,066,000	2,421,000	1,689,000	32
Italy—						
Bullion, scrap, beaten, rolled or drawn ..	1,463,000	918,000	36,700	24,000	32,000	56,700
Coin	1,178,000	1,026,000	1,274,000	186,000	—	—
Norway—						
Sheets and rolled ..	1,000	200	150	200	1,200	1,300
Sweden—						
Bullion	12,000	8,000	6,000	116,000	90,000	6,000
Switzerland—						
Unwrought	(a)	(a)	31,100	78,400	108,500	30,000
Algeria—						
Bullion	(a)	(a)	127,500	157,000	127,000	116,000
Coin	(a)	(a)	54,000	93,500	68,000	46,000
Beaten, rolled or drawn	7,000	8,000	10,000	16,800	17,000	18,000
Egypt—						
Bullion	590,000	503,000	3,450,000	322,000	8,500	7,000
Coin	156,000	189,000	42,000	2,900	3,800	100
Mozambique—						
Bullion	129,000	82,000	82,000	98,000	99,000	(a)
Mexico—						
Bullion	(a)	2,000	650,000	500	600	—
United States—						
Ore and base bullion ..	1,034,967	905,873	729,627	630,714	(a)	(a)
Refined bullion ..	21,005,995	3,745,678	1,593,053	20,508,873	(a)	(a)
Coin	(a)	(a)	180	2,500	(a)	(a)
Brazil—						
Bullion	—	(a)	40	2,000	100	76,000
Philippine Republic—						
Bullion	(a)	(a)	7,000	101,000	172,864	105,771

(a) Information not available.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Kenya	—	—	—	34	183	310
South West Africa (crude)	2,229	1,358	2,585	1,165	—	103
Tanganyika (crude) ..	—	—	25	—	19	—
Union of South Africa ..	105	240	323	347	369	1,246
Canada (sales)	1,917	3,202	1,401	1,821	3,095	1,452
Ceylon (exports)	12,241	12,844	12,621	7,659	7,218	7,728
Hong Kong	—	—	—	—	200	1,840
India	972	1,586	1,735	2,881	767	1,479
Australia	124	145	46	80	15	70
FOREIGN COUNTRIES						
Austria (crude)	13,923	14,454	17,939	19,499	14,451	17,128
Czechoslovakia (crude)	15,000	(a)	(a)	(a)	(a)	(a)
Germany (Federal)	5,016	6,517	10,687	8,821	7,341	9,328
Italy	4,566	4,450	4,443	3,947	5,117	3,696
Norway	2,222	2,426	3,398	4,056	2,906	3,565
Spain	252	305	270	771	314	246
Sweden	107	—	—	—	—	—
Madagascar—						
Flake	5,687	9,784	12,514	14,158	9,533	7,620
Powder	3,309	4,008	5,533	4,028	3,723	4,241
Morocco (French)	71	73	128	21	97	—
Morocco (Spanish)	15	3	—	16	—	(a)
Mozambique	108	—	239	—	—	(a)
Mexico	23,437	24,238	32,761	23,772	29,852	21,440
United States	5,448	4,555	6,371	5,005	5,608	(a)
Argentina	174	(a)	(a)	(a)	(a)	(a)
Brazil	547	464	600	838	579	(a)
Japan	5,578	3,947	4,786	4,577	4,007	3,957
Korea (South)—						
Flake	795	245	—	250	673	703
Other	39,233	15,877	21,237	14,578	19,630	12,997
TOTAL*	142,000	129,000	150,000	133,000	130,000	120,000

* Excluding graphite known to have been produced in the U.S.S.R.

(a) Information not available.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Crucibles	3,777	2,889	3,905	3,072	1,813	2,068
South West Africa	1,246	671	2,628	1,437	—	39
Tanganyika (crude)	—	—	25	—	19	—
Union of South Africa	106	137	595	—	23	—
Canada	1,474	2,717	1,028	1,505	2,904	1,925
Ceylon	12,241	12,844	12,621	7,659	7,218	7,728
Hong Kong (re-exports)	2,828	1,185	1,838	150	119	1,565
Australia	37	91	63	42	10	15
FOREIGN COUNTRIES						
Austria	10,301	9,644	12,696	13,277	9,956	12,583
Belgium-Luxemburg						
E.U.	135	62	73	24	10	68
Denmark	(b) 7	(b) 36	(b) 84	131	2	7
France	301	435	608	532	329	549
Germany (Federal)	1,977	4,088	4,818	5,005	4,649	4,470
Italy	1,597	1,444	2,025	1,680	1,583	1,514
Netherlands	221	366	254	241	174	162
Norway	2,161	1,872	3,589	3,753	2,789	3,117
Sweden	—	7	—	—	—	—
Madagascar	10,122	11,895	17,383	17,203	13,393	12,538
Morocco (French)	108	39	32	44	40	53
Morocco (Spanish)	(a)	(a)	12	16	(a)	(a)
Mozambique	165	—	239	25	—	(a)
Mexico	23,149	25,313	32,761	23,772	30,897	21,367
United States	1,207	1,248	1,344	1,594	1,572	713
Brazil	135	(a)	59	136	—	104
Japan	(a)	139	287	518	297	585
Korea (South)—						
Flake	(a)	} 4,296	27,481	(a)	15,487	(a)
Other	(a)					

(a) Information not available.

(b) Including artificial graphite.

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Natural	9,868	10,693	13,532	9,636	7,883	8,082
Artificial	17	2	10	25	—	48
Mauritius—						
Crucibles	6	3	2	4	3	4
Southern Rhodesia	33	71	55	20	38	(b) 56
Union of South Africa	952	548	2,101	1,368	92	(a)
Canada—						
Unground	(£22,155)	(£23,500)	(£32,788)	(£35,772)	(£45,394)	(£19,921)
Ground, including manufactures	(£77,997)	(£108,698)	(£161,529)	(£159,212)	(£174,001)	(£201,034)
Crucibles	(£34,228)	(£53,994)	(£72,982)	(£78,179)	(£78,363)	(£57,332)
Cyprus	—	2	2	2	(a)	(a)
Hong Kong (total imports)	3,597	1,419	1,434	1,768	3,298	829
India—						
Graphite	404	667	688	326	634	384
Crucibles	728	214	396	82	160	195
Malaya (total imports)	(a)	(a)	(a)	(a)	(a)	53
Pakistan (c)—						
Graphite	(a)	(a)	13	26	39	85
Crucibles	(a)	(a)	128	23	(a)	64
Australia	717	808	1,140	1,098	707	972
New Zealand	171	77	96	63	27	30
Irish Republic	26	39	50	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Graphite	55	220	279	274	163	177
Crucibles, etc.	176	202	257	184	116	146
Belgium-Luxemburg E.U.—						
Crude and ground	1,541	1,788	2,247	2,043	1,465	1,637
Denmark—						
Graphite	(d) 639	(d) 901	(d) 721	578	502	698
Crucibles	80	60	119	82	62	93
Finland (total imports)	233	214	303	197	204	359
France	4,361	3,322	5,136	4,897	3,626	3,776
Germany (Federal)	2,842	3,683	5,251	5,250	5,621	7,320
Italy	2,407	3,636	3,375	4,853	2,483	2,792
Netherlands (d)	449	1,006	1,531	1,184	1,047	990
Norway—						
Graphite	112	69	85	157	179	198
Crucibles, etc.	130	132	133	123	73	96
Portugal	24	97	45	88	69	29
Sweden	638	1,068	959	909	593	733
Yugoslavia	(a)	1,017	1,473	1,006	933	1,031
Algeria	15	16	11	14	7	1
Egypt	143	163	276	93	52	183

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Years ended March 31 following that stated.

(d) Including artificial graphite.

IMPORTS OF GRAPHITE (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Tunis—						
Graphite	2	(a)	6	(a)	2	6
Crucibles	11	(a)	5	(a)	(a)	(a)
Mexico—						
Graphite	63	193	84	266	180	190
Crucibles	50	107	175	184	110	128
United States (b) ..	28,358	38,827	48,564	37,899	45,572	36,225
Argentina	446	363	(a)	1,461	298	697
Brazil—						
Graphite	7	(a)	171	158	—	4
Crucibles	147	(a)	391	239	60	518
Chile	71	79	163	84	(a)	(a)
Colombia (c)	(a)	(a)	162	149	11	22
Peru	13	10	17	16	29	40
Uruguay	18	31	21	6	15	(a)
Venezuela	(a)	11	(a)	16	46	(a)
Israel—						
Crucibles	28	37	35	45	48	37
Lebanon	6	29	11	(a)	(a)	(a)
Syria	6	33	5	(a)	(a)	(a)
Japan	35,136	4,221	33,389	25,873	14,999	34,944
Philippine Republic ..	52	280	82	112	68	79
Turkey—						
Graphite	20	124	95	52	52	28
Crucibles, etc.	46	40	164	89	46	34

(a) Information not available.

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

Year	Long tons
1949	40
1950	164
1951	80
1952	301
1953	252
1954	239

(c) Including artificial graphite.

GYPSUM
PRODUCTION OF GYPSUM
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
Gypsum	1,086,000	1,167,400	1,237,200	1,358,400	1,521,600	1,653,600
Anhydrite	1,024,400	1,038,900	1,047,200	1,035,400	1,152,400	1,105,800
Northern Ireland	—	—	170	—	—	—
Anglo-Egyptian Sudan	1,472	—	5,485	3,535	7,327	3,375
Kenya	178	—	82	1,593	841	503
Tanganyika	—	—	—	(c) 495	1,158	6,342
Union of South Africa	87,693	115,038	120,129	144,688	150,042	155,073
Canada (b)	2,809,923	3,375,188	3,507,479	3,173,140	3,427,714	3,735,873
Jamaica	12,000	23,000	26,744	44,900	74,093	(e) 160,000
Ceylon	184	—	410	675	428	229
Cyprus (e)	82,000	122,000	70,000	110,000	190,000	200,000
India	139,944	206,366	203,612	411,204	582,713	612,120
Pakistan	15,645	16,659	22,784	28,830	27,155	31,200
Australia	288,580	335,484	364,347	351,678	329,992	439,716
Irish Republic	66,205	81,362	85,026	73,467	90,871	(a)
FOREIGN COUNTRIES						
Austria (b)	35,617	41,632	117,479	104,130	295,209	360,855
Belgium	(a)	29,420	27,507	26,515	28,877	35,242
Bulgaria (e)	5,000	5,000	5,000	5,000	5,000	5,000
France (b)	2,109,309	2,234,486	1,999,918	2,548,497	2,810,000	3,070,000
Germany (Federal) (d)	578,000	714,000	793,000	753,000	765,000	832,000
Greece	718	807	17,665	18,700	25,000	(a)
Italy (including alabaster)	440,862	481,448	571,343	663,824	(a)	(a)
Luxemburg	19,260	17,564	9,912	4,992	9,303	1,891
Poland	25,945	32,306	(a)	(a)	(a)	(a)
Portugal	42,380	35,464	29,519	38,987	45,639	(a)
Spain (f)	1,498,000	2,609,000	2,110,000	1,849,000	1,212,000	(a)
Yugoslavia	(a)	(a)	15,500	17,088	43,784	(a)
Algeria	—	41,060	52,359	85,730	71,939	71,738
Angola	2,000	5,827	6,358	8,730	8,582	8,618
Egypt	6,169	139,198	100,050	(a)	183,000	140,193
Morocco (French)	15,181	610	—	7,829	14,143	20,491
Morocco (Spanish)	(e) 4,000	4,379	3,520	(a)	(a)	(a)
Tunis	22,000	22,700	24,000	23,000	22,400	29,728
Dominican Republic	17,000	—	20,903	12,660	18,295	26,083
United States	5,900,105	7,314,844	7,737,084	7,513,661	7,400,000	8,089,771
Argentina	125,723	(a)	(a)	(a)	(a)	(a)
Chile	59,351	64,474	61,046	34,864	36,647	(a)
Colombia	1,795	2,260	2,000	2,000	7,400	15,000
Peru	36,828	31,413	30,402	31,392	38,531	(a)
Venezuela (g)	2,945	2,018	1,382	1,500	600	(a)
Burma	(a)	(a)	(a)	(a)	(a)	3,180
Formosa	(a)	(a)	(a)	(a)	1,880	3,645
Israel	(e) 12,000	23,250	(a)	(a)	22,491	(a)
Japan	115,261	112,864	198,261	197,475	266,819	324,257
New Caledonia	16,850	15,060	15,528	5,099	18,959	2,598
Philippine Republic	2,667	2,837	393	—	—	—
Siam	152	331	77	—	—	—
TOTAL*	16,900,000	20,600,000	20,800,000	20,900,000	21,700,000	23,600,000

* Excluding gypsum known to have been produced in Roumania, Switzerland, U.S.S.R., Cuba, Mexico, Brazil, China, Korea and many other countries. Also excluded is production of "Juss" (an impure sandy gypsum) in Iraq amounting to 250,000 tons annually.

(a) Information not available.

(b) Including "Anhydrite".

(c) Exports.

(d) Crude estimated on production of calcined.

(e) Estimated.

(f) Converted from cubic metres at rate of 1 cu.m. = 2.354 tons.

(g) Production in Government quarries only.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Calcined	16,332	22,236	12,205	17,202	14,579	12,115
Tanganyika	—	—	—	495	1,713	4,732
Union of South Africa ..	6,007	6,430	7,082	6,041	18,262	9,654
Canada—						
Crude	2,271,979	2,651,762	2,703,871	2,467,404	2,473,205	2,527,629
Calcined	147	91	151	292	78	153
Jamaica	120	10,712	24,861	36,334	56,752	159,877
Cyprus—						
Crude	16,951	53,094	19,840	41,510	94,720	91,663
Calcined	7,030	9,465	2,471	11,792	7,420	6,877
Hong Kong (including re-exports)	210	1,437	1,631	(a)	(a)	(a)
Australia—						
Crude	37,255	27,131	23,905	32,524	27,838	42,262
Irish Republic—						
Crude	(a)	(a)	(a)	9,541	20,161	31,714
Calcined	4,591	2,438	8,134	1,656	2,320	2,857
FOREIGN COUNTRIES						
Austria—						
Crude and ground	16,657	19,194	19,468	15,505	18,516	20,317
Calcined	1,889	7,002	4,957	115	11	—
Belgium-Luxemburg E.U.—						
Crude	233	95	771	253	542	417
Ground and calcined ..	3,881	1,613	2,476	3,383	5,983	7,707
Denmark—						
Crude and calcined ..	21	37	22	21	35	30
France—						
Crude	290,188	367,691	411,456	420,487	524,166	573,324
Calcined	68,357	82,061	69,496	56,464	60,988	69,535
Germany (Federal)— Gypsum and phosphatic gypsum	34,481	94,660	114,082	125,917	153,558	162,126
Italy—						
Crude	(a)	(b) 222	5,171	904	561	229
Calcined	(a)	(b) 426	115	645	238	327
Netherlands						
Calcined	2,461	3,100	3,048	2,462	2,683	1,244
Portugal—						
Crude	123	277	437	474	470	759
Sweden—						
Calcined	26	186	56	61	28	34
Switzerland—						
Ground and calcined ..	177	161	90	76	52	40
Yugoslavia—						
Crude	(a)	39	7,821	(a)	31,952	26,773
Calcined	(a)	1,119	1,811	20	2,747	(a)
Algeria	439	568	252	191	128	55
Angola—						
Crude	(a)	168	—	(a)	(a)	(a)

(a) Information not available.

(b) July to December only.

EXPORTS OF GYPSUM (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Egypt—						
Crude and ground ..	2,139	8,052	8,061	22,476	17,118	19,197
Calcined	1,076	277	4,234	2,596	1,382	(a)
Morocco (French) ..	20,846	8,520	3,238	8,755	246	1,702
Dominican Republic ..	17,925	987	12,656	4,921	15,959	28,855
Mexico—						
Crude	63,812	170,467	256,775	222,982	250,421	337,221
Calcined	82,762	27,828	23	16	4	42
United States—						
Crude and Calcined ..	15,685	21,141	22,362	17,754	21,152	19,986
Argentina	187	57	(a)	958	55	—

(a) Information not available.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Crude, including						
alabaster	53,106	69,223	46,209	50,691	75,009	85,206
Calcined	3,587	2,330	1,537	1,298	2,009	1,875
Anglo-Egyptian Sudan ..	231	214	397	180	254	(a)
Kenya—						
Crude	—	470	—	3	225	(a)
Southern Rhodesia—						
Crude and calcined ..	4,266	6,866	6,121	7,582	14,841	(b) 15,435
South West Africa ..	18	24	31	62	27	(a)
Uganda—						
Crude	—	1	—	802	269	(a)
Union of South Africa—						
Crude and calcined ..	992	527	686	667	770	(a)
Bermuda—						
Calcined	(a)	(a)	(a)	376	226	257
Canada—						
Crude and ground ..	505	757	1,518	579	488	4,427
Calcined	7,796	20,035	13,978	11,310	19,670	17,127
Hong Kong (total imports)	89	3,838	5,700	(a)	(a)	(a)
Australia	(c) 7	132	10	10	7	(d) 3
New Zealand—						
Crude	39,318	28,310	15,214	35,098	30,509	39,413
Calcined	9,293	8,427	7,057	18,261	11,105	16,589
Irish Republic—						
Calcined, etc.	667	1,015	651	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	162,416	201,587	257,752	272,383	249,113	219,701
Ground and calcined ..	30,367	42,704	39,496	34,805	38,090	37,379
Denmark—						
Crude	14,663	35,684	32,713	35,414	35,407	39,432
Calcined	31,663	4,970	4,235	4,348	5,184	5,362
Finland (total imports)—						
Crude	22,389	31,907	41,207	38,667	42,048	53,854
Calcined	8,338	15,006	18,463	14,522	18,290	22,040
France—						
Crude and calcined ..	346	279	391	484	504	915
Germany (Federal)—						
Gypsum and phosphatic						
gypsum	53	904	178	4,524	8,505	11,182
Iceland	115	16	29	33	37	(a)
Netherlands—						
Crude	21,293	29,499	28,119	34,397	79,071	39,164
Calcined	24,356	28,865	31,117	28,101	33,887	36,748
Ground	8,158	8,613	8,865	4,635	204,930	208,525

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Year ended June 30 of that stated.

(d) January to June only.

IMPORTS OF GYPSUM (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Crude	21,132	20,058	26,368	28,940	28,926	32,650
Ground	2,975	2,973	3,597	2,465	3,272	3,168
Portugal—						
Crude	7,972	2,838	5,496	4,535	5,866	6,980
Calcined	8	7	13	9	10	12
Sweden—						
Crude	43,438	72,880	64,151	62,899	83,413	111,848
Calcined	8,538	10,827	13,161	13,092	15,357	17,683
Switzerland—						
Ground and calcined ..	105	181	210	141	150	192
Algeria—						
Crude	(a)	(a)	(a)	(a)	984	—
Calcined	741	2,100	1,955	2,159	3,614	3,276
Belgian Congo—						
Crude and Calcined ..	(a)	(a)	(a)	(a)	6,349	6,583
Egypt—						
Crude and ground ..	984	1,143	473	433	1	—
Calcined	859	(a)	(a)	637	35	21
Morocco (French) ..	1,077	768	(a)	331	287	(a)
Mozambique—						
Crude	2,431	186	1,713	2,338	3,020	(a)
Calcined	85	41	52	118	126	(a)
Tunis—						
Crude	—	(a)	—	(a)	984	—
Calcined	32	(a)	105	(a)	80	79
Costa Rica	(a)	38	(a)	(a)	(a)	(a)
Cuba (total imports) ..	2,762	3,099	4,460	(a)	(a)	(a)
United States—						
Crude	2,315,472	2,848,750	3,078,640	2,739,201	2,843,118	2,999,666
Ground	547	639	514	540	534	} 611
Calcined	187	212	269	222	259	
Argentina—						
Crude	16	75	(a)	95	—	74
Brazil—						
Crude	141	(a)	248	131	24	28
Ground	150	(a)	332	66	6	4
Colombia—						
Ground, crude	} 548	151	5,340	4,275	2,962	3,959
do. calcined			145	190	305	180
Peru—						
Crude	6	16	39	20	28	31
Calcined	—	—	1	3	8	1
Uruguay—						
Crude and ground ..	13,913	13,442	12,939	9,359	8,213	(a)
Venezuela	1,707	736	(a)	1,028	1,372	(a)
Indonesia—						
Crude	(a)	1,067	3,295	3,184	2,621	346
Calcined	(a)	94	71	28	52	1,067
Israel—						
Crude	839	480	(a)	(a)	(a)	(a)
Calcined	25	96	(a)	(a)	(a)	(a)
Japan	(a)	5,000	12,090	15,715	28,386	60,935
Philippine Republic—						
Crude	4,309	17,078	8,113	6,550	8,871	10,513
Calcined	—	223	121	37	371	358
Lebanon	} 757	} 15,764	12,904	(a)	(a)	(a)
Syria			477	15	(a)	(a)

(a) Information not available.

IRON AND STEEL
PRODUCTION OF IRON ORE*
 (including Manganiferous Iron Ore)
 (Long tons)

Producing Country	Estimated Iron Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
ORE												
BRITISH COUNTRIES												
United Kingdom (b) ...	13,396,700	12,963,000	14,776,600	16,232,200	15,817,500	15,557,200	4,019,000	3,889,000	4,433,000	4,545,000	4,429,000	4,200,000
• Northern Rhodesia (c) ...	1,721	1,165,039	1,140,325	5,943	2,169	961	1,111	1,300	681,000	3,800	1,300	506,000
• Sierra Leone ...	1,089,036	56,312	51,026	1,152,459	1,367,046	816,556	643,000	32,400	29,000	692,000	835,000	506,000
• Southern Rhodesia ...	50,672	56,312	51,026	63,808	62,034	63,290	29,100	32,400	29,000	36,700	35,700	36,400
• South West Africa ...	1,222,423	1,170,465	1,398,702	1,731,122	1,939,595	1,863,190	737,000	701,000	853,000	1,068,000	1,209,000	1,161,000
• Union of South Africa ...	3,281,336	4,179,027	4,707,008	5,812,337	5,812,337	6,500,229	1,805,000	1,770,000	2,298,000	2,589,000	3,197,000	3,575,000
• Canada ...	59,181	169,374	160,684	127,512	123,200	90,800	33,000	90,000	75,000	60,000	61,000	44,000
• Hong Kong ...	2,808,522	2,965,194	3,657,111	3,925,511	3,844,911	4,308,273	1,800,000	1,900,000	2,340,000	2,510,000	2,460,000	2,760,000
• India ...	8,390	498,903	846,803	1,025,506	1,062,678	1,212,780	(a)	279,000	474,000	591,000	595,000	679,000
• Malaya ...	1,460,231	2,364,699	2,436,229	2,907,754	3,298,718	3,518,804	(a)	1,417,600	1,605,000	1,883,000	2,132,000	2,274,000
• Australia ...	4,352	3,642	2,496	1,823	2,762	2,916	(a)	(a)	(a)	(a)	(a)	(a)
• New Zealand (c) ...	23,383,000	24,576,000	28,649,000	31,911,000	33,333,000	33,937,000						
TOTAL ...	1,464,121	1,830,046	2,332,246	2,610,694	2,713,093	2,677,788	450,000	571,000	740,000	823,000	851,000	836,000
FOREIGN COUNTRIES												
Austria ...	43,266	47,000	80,700	135,358	101,590	81,500	15,000	16,400	28,000	47,000	36,000	29,000
Belgium ...	1,475,000	1,756,000	1,931,000	2,294,000	2,300,000	2,550,000	443,000	527,000	579,000	683,000	738,000	760,000
Czechoslovakia (e) ...	30,931,604	29,541,763	34,646,641	40,056,621	41,704,528	43,132,000	10,310,000	9,577,000	11,212,000	13,300,000	13,900,000	14,400,000
Finland (d) ...	8,967,900	10,711,380	12,719,000	15,161,000	14,388,000	12,830,000	2,397,000	2,893,000	3,419,000	4,032,000	3,828,000	3,495,000
France ...	301,000	395,000	481,000	761,000	1,278,000	1,427,000	(a)	(a)	(a)	(a)	(a)	(a)
Germany—	2,756	7,286	55,829	160,184	86,938	90,000	(a)	(a)	27,200	80,000	44,000	44,000
• Federal Republic ...	334,000	362,000	393,000	492,000	500,000	550,000	130,000	140,000	160,000	192,000	200,000	215,000
• Eastern ...	4,071,984	3,784,368	5,236,277	7,130,442	7,056,411	5,794,411	1,118,000	230,000	280,000	408,000	506,000	537,000
Greece ...	270,944	293,705	326,578	757,274	1,167,557	1,077,290	173,000	190,000	1,054,000	1,937,000	1,891,000	1,571,000
Hungary ...	688,000	780,000	887,000	1,011,000	1,324,000	1,601,000	230,000	260,000	280,000	446,000	701,000	692,000
Italy ...	...	...	...	...	...	...	...	...	...	...	...	...
Luxemburg ...	...	...	...	...	...	...	...	...	...	...	...	...
Norway ...	...	...	...	...	...	...	...	...	...	...	...	...
Poland ...	...	...	...	...	...	...	...	...	...	...	...	...

* For detailed figures see page 140.

(a) Information not available.
 (b) In addition bog ore and iron ore (not used for smelting) are produced.
 (c) Used mainly or entirely for purposes other than iron production.
 (d) Concentrates.
 (e) Estimated.

PRODUCTION OF IRON ORE (cont.)

Producing Country	Estimated Iron Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES												
Portugal (cont.)	...	...	...	...	...	...	...	...	...	...	...	...
Roumania (b)	319,000	389,000	21,045	87,570	142,682	110,516	108	175,000	10,523	43,785	71,341	55,528
Spain	1,246,682	2,087,792	470,000	644,000	680,000	684,000	144,000	940,000	212,000	290,000	300,000	310,000
Sweden	13,522,034	13,396,062	2,351,705	2,818,139	2,976,366	3,351,979	830,000	8,152,000	1,058,000	1,270,000	1,340,000	1,510,000
Switzerland	35,000,000	44,000,000	86,400	104,800	103,600	15,083,404	8,292,000	(a)	(a)	9,957,000	10,015,000	9,138,000
U.S.S.R. (b)	811,885	719,523	50,000,000	55,000,000	60,000,000	65,000,000	(a)	(a)	(a)	(a)	(a)	(a)
Yugoslavia	2,497,400	2,552,400	2,778,100	3,051,658	3,334,800	2,880,600	365,000	324,000	257,000	300,000	350,000	490,000
Algeria	212	61	843	1,069	392,335	582,755	1,370,000	1,370,000	1,445,000	1,590,000	1,667,000	1,440,000
Egypt	...	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)
Liberia	...	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)
Libya	351,183	316,001	(b) 170,000	(a) 876,974	1,264,000	(e) 1,190,051	...	...	116,000	596,000	204,000	280,000
Morocco (French)	678,754	957,866	553,911	652,425	508,641	335,570	...	...	246,000	290,000	231,000	151,000
Morocco (Spanish)	706,700	745,900	912,415	919,694	970,613	916,656	530,000	560,000	550,000	550,000	580,000	550,000
Tunisia	11,265	1,479	908,200	961,600	1,040,351	934,500	378,000	403,000	485,000	517,000	560,000	510,000
Cuba	...	...	...	...	...	...	3,800	440	(a)	(a)	(a)	(a)
Dominican Republic	357,000	413,000	500,000	18,408	90,216	105,000	...	...	...	12,500	61,300	71,000
Mexico	85,000,000	99,016,429	117,997,497	98,818,913	538,550	513,830	242,679	281,000	307,644	334,000	325,946	308,604
United States (c)	31,000	49,000	50,000	66,000	72,000	76,980,000	43,000,000	49,000,000	58,000,000	60,000,000	60,000,000	39,000,000
Argentina (b)	1,857,829	1,956,036	2,368,928	3,112,325	3,560,351	3,500,500	18,000	19,000	24,000	32,000	35,000	29,000
Brazil	2,699,393	2,906,591	3,124,204	2,325,363	2,857,579	(b) 4,300,000	1,250,000	1,330,000	1,590,000	2,090,000	2,350,000	2,800,000
Chile	...	...	...	...	...	...	1,637,000	1,743,000	1,930,000	1,404,000	1,695,000	1,289,000
Colombia	...	...	...	...	...	...	...	...	...	...	...	...
Peru	...	...	...	...	...	...	...	...	...	...	...	...
Venezuela	...	...	...	...	...	...	...	...	...	...	...	...
China (b)	...	...	...	...	...	...	...	...	...	...	...	...
Japan (b)	781,574	912,619	1,149,520	1,372,918	1,655,857	1,605,103	(a)	483,000	590,000	726,000	901,000	791,000
Korea (South)	...	...	...	...	...	...	...	...	...	...	...	...
London	...	...	...	...	...	...	...	...	...	...	...	...
Philippine Republic	364,326	589,633	889,016	1,151,866	1,198,630	50,000	211,000	342,000	516,000	3,600	5,000	16,800
Portuguese India	113,883	170,457	425,505	478,353	928,794	1,402,394	63,000	61,000	237,000	668,000	695,000	813,000
Siam	...	...	...	...	...	...	...	...	...	...	...	...
Sri Lanka	...	...	...	...	...	...	...	...	...	...	...	...
Turkey	214,399	226,902	222,244	474,215	7,559	1,358,845	5,000	1,600	4,000	1,700	5,000	1,800
New Caledonia	15,127	...	...	...	...	...	129,000	143,000	133,000	284,000	294,000	346,000
TOTAL	197,000,000	224,000,000	266,000,000	270,000,000	304,000,000	304,000,000	271,000,000	302,000,000	337,000,000	305,000,000	305,000,000	305,000,000
World's Total	220,000,000	249,000,000	295,000,000	302,000,000	337,000,000	305,000,000	271,000,000	302,000,000	337,000,000	305,000,000	305,000,000	305,000,000

(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): 1949—32,599; 1950—69,940; 1951—251,939; 1952—316,920; 1953—532,457; 1954—501,437.
 (e) Exports.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
West Coast hematite ..	350,100	342,700	347,400	403,100	353,800	344,200
Jurassic ironstones—						
Lower lias	3,207,100	3,154,900	3,380,800	3,431,600	3,416,200	3,988,900
Middle lias	2,665,600	2,557,600	3,393,400	3,574,800	3,738,800	3,215,500
Inferior oolite ..	7,071,200	6,804,300	7,558,200	8,717,900	8,193,500	7,890,200
Coal measure ironstones	300	200	—	—	—	—
Other iron ore (hematite, limonite, etc.) ..	102,400	103,300	97,300	104,800	115,200	118,400
Sierra Leone—						
Red ore	578,592	595,140	552,160	523,852	521,644	247,856
Concentrates	406,761	478,674	519,628	566,332	831,797	568,700
Washed fines	103,683	91,225	68,537	62,275	13,605	—
Union of South Africa—						
Hematite	1,161,543	1,101,560	1,336,382	1,690,208	1,939,595	(a)
Magnetite	527	—	—	—	—	(a)
Carbonate	60,353	68,905	62,320	40,914	—	(a)
FOREIGN COUNTRIES						
France—						
Phosphoric	29,060,314	27,807,440	32,224,314	37,148,963	38,795,450	40,538,954
Medium phosphoric ..	1,594,978	1,540,670	2,189,446	2,624,825	2,685,921	2,414,525
Non-phosphoric	276,312	193,653	232,881	282,833	223,157	178,558
Italy—						
Iron ore	512,616	439,392	544,120	777,756	918,633	1,048,360
Manganiferous iron ore	28,040	22,828	23,782	39,979	37,720	27,030
Luxemburg—						
Siliceous iron ore ..	1,535,401	1,477,261	1,877,341	2,238,363	2,190,739	2,248,000
Calcareous iron ore ..	2,403,628	2,221,572	3,499,369	4,586,210	4,425,488	3,137,000
Ferruginous limestone	132,955	85,535	159,567	305,869	440,184	409,000
Portugal—						
Hematite	217	—	21,045	85,834	120,367	80,882
Magnetite	—	—	—	1,736	22,315	29,634
Sweden—						
Manganiferous iron ore	113,964	50,096	5,015	45,300	44,300	8,000
Other iron ore	13,398,090	13,345,966	15,134,971	16,635,800	16,671,000	15,075,000
By phosphorus content						
(b)—						
Under 0.006%	566,187	671,284	609,967	681,332	643,637	679,946
0.006% to under						
0.04%	2,049,273	2,344,547	2,574,457	2,364,320	2,261,490	2,280,536
0.04% to under 0.1%	68,217	74,797	91,968	652,432	637,269	57,866
0.1% to under 0.7%	4,605,595	4,796,404	5,302,119	5,903,774	5,720,671	4,805,223
0.7% to under 1%	976,459	1,016,174	1,468,408	1,721,315	1,593,003	1,263,519
1% and over	5,246,323	4,492,856	5,093,067	5,357,891	5,859,030	5,996,214
United States—						
Ore containing less than 5% Mn—						
Hematite (c)	76,262,577	87,156,235	101,530,954	83,515,561	102,553,404	} 76,296,000
Magnetite (c)	6,593,277	7,698,754	11,390,326	11,068,778	12,585,681	
Limonite	1,545,595	2,615,402	3,014,761	2,729,524	2,238,236	
Pyrite cinder and sinter	535,998	574,969	568,631	604,141	617,448	
Ore containing 5 to under 10% Mn	939,492	868,150	998,001	805,992	863,082	496,000
Ore containing 10 to under 35% Mn	23,361	102,919	94,824	94,917	243,516	187,000

(a) Information not available.

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

(c) 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	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom	355	585	779	564	677	895
Sierra Leone	974,050	1,142,621	1,184,735	1,378,959	1,200,240	877,306
Union of South Africa	—	—	22,075	—	3,588	473
Canada	2,277,053	1,988,817	2,880,149	3,434,820	4,303,550	5,470,480
Hong Kong	48,535	171,718	171,362	114,031	116,392	85,967
India	4,300	55,322	197,005	669,986	1,094,570	1,055,671
Malaya	462,431	520,899	782,665	1,007,489	1,018,336	1,060,382
Australia	1	—	—	—	10	—
Irish Republic—						
Burnt pyrites	12,489	33,983	26,402	24,233	14,962	17,396
FOREIGN COUNTRIES						
Austria	—	57,360	177,853	272,427	192,251	44,299
Belgium-Luxemburg E.U.—						
Iron ore	292,167	101,601	200,160	441,302	870,086	137,807
Burnt pyrites	2,645	156	5,002	140,563	111,824	200,436
Denmark—						
Bog ore (c)	7,951	23,064	54,864	175,764	131,062	81,417
Burnt pyrites	36,115	49,536	66,835	55,473	63,077	73,350
Finland	—	—	816	470	8,136	166,799
France—						
Iron ore	7,120,329	7,425,791	9,682,472	9,225,370	9,837,459	10,950,120
Burnt iron pyrites	263,114	316,216	562,942	577,257	389,769	352,236
Germany (Federal) (b)	5,830	51,259	75,223	166,310	193,379	282,825
Greece	21,500	40,564	84,920	110,578	97,402	72,610
Italy—						
Iron ore	60	9,182	69,473	6,706	4,121	11
Burnt iron pyrites	309,746	497,295	411,353	384,939	426,791	390,689
Netherlands—						
Iron ore	(d) 66,357	(d) 57,521	—	155	535	405
Burnt iron pyrites	193,849	244,337	318,787	323,447	258,561	302,830
Norway—						
Iron ore	200,313	278,563	264,830	699,578	894,424	895,556
Burnt pyrites	36,505	32,729	63,859	117,502	57,029	62,454
Portugal—						
Iron ore	3	1	—	118,527	132,769	103,894
Burnt pyrites	(a)	(a)	198,736	319,465	141,968	15,443
Spain	973,917	920,742	1,525,465	1,728,237	1,446,225	(a)
Sweden—						
Iron ore	12,581,280	12,738,629	14,760,104	15,415,625	14,323,156	13,860,579
Burnt iron pyrites	17,271	113,314	244,987	211,027	130,982	135,073
Switzerland	90,861	53,370	98,525	109,304	104,284	126,757
Yugoslavia	(a)	333,047	276,679	152,857	3,989	13,762
Algeria	2,598,290	2,433,678	2,796,878	3,073,489	3,198,394	2,863,965
French West Africa	6,305	68	—	3,344	346,539	584,618
Liberia	—	—	170,000	876,974	1,410,773	1,218,960
Morocco (French)	356,539	308,913	560,673	641,279	472,173	319,965
Morocco (Spanish)	878,901	935,882	949,755	954,392	900,466	695,400
Tunis	736,168	690,177	896,748	976,864	1,022,389	891,542

(a) Information not available.

(b) Including burnt pyrites.

(c) Used for purposes other than iron making.

(d) Chiefly used for gas purification.

EXPORTS OF IRON ORE (cont.)

Exporting Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba	10,599	28,999	9,203	96,086	205,882	75,186
Dominican Republic	—	—	—	18,408	90,216	93,709
Mexico	170,918	189,082	174,188	112,001	239,048	142,544
United States	2,424,775	2,549,704	4,295,938	5,121,243	4,251,365	3,145,714
Brazil	664,905	876,067	1,309,139	1,536,163	1,522,800	1,651,937
Chile	2,633,047	2,554,901	2,644,169	1,798,637	2,403,038	1,692,737
Peru	—	—	—	—	875,648	1,896,975
Venezuela (b)	—	—	635,416	1,845,776	1,949,618	5,209,812
Lebanon	(a)	(a)	(a)	—	21,948	39,368
Philippine Republic	344,346	551,510	923,028	1,202,667	1,186,955	1,276,591
Portuguese India	48,781	(a)	(a)	456,628	849,813	1,122,904
New Caledonia	—	4,985	2,923	2,461	(a)	(a)
Turkey	(a)	(a)	(a)	93,905	109,823	168,005

(a) Information not available.

(b) Imports into the United States.

IMPORTS OF IRON ORE

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom	8,692,572	8,391,533	8,747,480	9,690,534	10,981,013	11,611,257
Canada	2,247,531	2,741,569	3,420,909	3,810,409	3,721,046	2,709,992
India	365	207	533	15	511	618
Australia	8	5,302	2,916	2,835	1	17
Irish Republic	—	174	576	1,000	5	807
FOREIGN COUNTRIES						
Austria—						
Iron ore	268,956	194,666	193,151	602,201	412,051	250,765
Burnt pyrites	305,344	388,111	342,553	370,690	346,266	328,462
Belgium-Luxemburg						
E.U.—						
Iron ore	8,926,738	8,123,841	10,569,420	10,826,780	11,613,471	12,522,507
Burnt iron pyrites	20,539	38,699	67,672	56,895	61,567	94,123
Denmark (e)	1,854	1,102	3,512	3,139	3,684	1,831
Finland (c)	109,219	91,947	176,908	97,637	22,018	105,663
France	389,533	165,340	315,251	430,840	973,425	306,537
Germany (Federal)—						
Iron ore	4,446,739	4,793,335	7,580,102	9,489,280	9,889,414	8,615,787
Burnt pyrites	(a)	(a)	(a)	1,613,690	1,850,692	1,390,842
Italy	109,433	180,959	395,657	698,406	722,276	622,605
Netherlands	(b) 705,653	(b) 799,231	987,873	1,162,968	1,247,267	1,101,811
Norway	38,656	15,696	817	4,562	6,394	6,165
Spain	220,090	234,958	224,047	297,531	286,500	268,388
Sweden	455	484	510	340	136	271
Switzerland (d)	37,378	60,335	95,889	92,640	56,753	64,914
Algeria	—	—	986	—	—	20
United States	7,394,569	8,215,865	10,145,415	9,760,329	11,084,185	15,768,771
Japan	1,535,453	1,402,335	3,040,010	4,692,833	4,222,444	4,925,743

(a) Information not available.

(b) Including a very small amount for gas purification.

(c) Total imports.

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

(e) Bog ore and burnt pyrites.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	9,498,500	9,632,900	9,668,800	10,727,700	11,174,800	11,883,400
Southern Rhodesia ..	27,268	33,453	31,641	38,588	35,233	36,485
Union of South Africa ..	697,322	721,339	791,840	1,111,000	1,203,300	1,177,900
Canada	2,104,087	2,230,018	2,517,094	2,601,520	2,826,721	2,074,345
India	1,610,822	1,680,481	1,823,946	1,852,910	1,776,269	1,961,919
Australia (b)	1,060,346	1,114,421	1,331,176	1,447,312	1,711,599	1,848,732
TOTAL	14,998,000	15,412,600	16,164,500	17,978,500	18,727,900	18,982,800
FOREIGN COUNTRIES						
Austria	824,517	869,145	1,032,862	1,154,309	1,299,849	1,332,175
Belgium	3,690,076	3,636,420	4,791,232	4,713,947	4,143,343	4,544,000
Czechoslovakia	1,853,000	1,950,000	2,050,000	2,290,000	2,750,000	2,760,000
Finland	99,619	63,259	99,919	106,718	78,236	73,431
France (d)	8,213,135	7,638,292	8,611,726	9,615,007	8,529,329	8,701,378
Germany—						
Federal Republic	7,027,400	9,323,263	10,528,000	12,673,000	11,469,668	12,314,000
Eastern	288,000	332,000	336,000	641,000	1,051,000	1,282,000
Hungary (c)	421,000	454,000	519,000	610,000	705,000	830,000
Italy	437,970	563,827	1,032,735	1,186,591	1,288,559	1,323,861
Luxemburg	2,334,616	2,459,418	3,107,207	3,027,405	2,679,000	2,756,000
Netherlands	427,300	447,049	515,486	530,174	584,093	600,900
Norway	229,920	222,923	241,064	268,812	273,067	242,862
Poland (c)	1,343,000	1,464,000	1,552,000	1,754,000	2,263,000	2,557,000
Roumania (c)	270,000	330,000	344,000	384,000	449,000	425,000
Saar	1,557,065	1,657,205	2,332,197	2,510,086	2,344,295	2,457,933
Spain	619,164	661,764	659,027	771,985	809,330	890,847
Sweden	846,174	823,848	891,282	1,096,001	1,040,601	985,406
Switzerland	31,000	33,000	43,000	42,600	41,700	36,700
U.S.S.R.	16,400,000	19,100,000	21,800,000	24,900,000	27,100,000	29,400,000
Yugoslavia	199,000	222,000	258,480	283,863	275,926	361,943
Mexico	350,141	240,430	196,951	234,643	256,348	233,746
United States	49,032,844	59,285,992	64,686,199	56,566,031	68,973,364	53,398,430
Brazil	500,192	717,519	759,830	802,828	880,295	1,088,562
Chile	18,413	107,750	236,000	265,660	281,310	300,320
China (c)	200,000	920,000	1,500,000	1,900,000	2,200,000	2,500,000
Japan	1,576,894	2,262,437	3,176,600	3,528,695	4,579,812	4,776,000
Turkey	114,862	109,462	150,969	192,988	209,166	191,264
TOTAL	98,000,000	116,000,000	131,500,000	132,100,000	146,500,000	136,400,000
WORLD'S TOTAL ..	113,000,000	131,000,000	147,700,000	149,900,000	165,200,000	155,400,000

* For details see page 145.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Estimated.

(d) Excluding electric furnace ferro-alloys.

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

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954	
BRITISH COUNTRIES							
United Kingdom—							
Hematite	1,437,300	1,476,800	1,333,000	1,426,100	1,391,800	1,436,300	
Basic	6,248,200	6,478,000	6,674,700	7,528,100	8,069,700	8,772,100	
Foundry	1,555,300	1,466,500	1,417,100	1,522,000	1,465,800	1,441,100	
Forge	87,400	60,500	69,500	74,100	52,300	45,400	
Direct castings	2,300	3,000	2,200	1,800	1,500	1,900	
Spiegeleisen (b)	28,800	18,100	28,800	31,100	29,600	29,700	
Ferro-manganese (b)	139,200	130,000	143,500	144,500	164,100	156,900	
Other ferro-alloys (c)—							
Tungsten (d)	2,000	1,700	(a)	(a)	(a)	(a)	
Molybdenum (d)	1,400	1,600					
Vanadium (d)	200	300					
Ferro-chrome	9,800	9,900					
Refined ferro-manganese	6,400	6,000					
Ferro-phosphorus	1,100	900					
Ferro-silicon	5,500	4,600					
Union of South Africa—							
Pig-iron	684,300	705,300	774,000	1,082,500	1,173,000	1,151,000	
Ferro-alloys	13,000	16,000	17,900	28,500	30,300	26,900	
Canada—							
Basic	1,598,508	1,574,500	1,775,841	1,833,653	2,175,450	1,573,463	
Foundry	192,650	212,735	273,450	197,102	163,233	142,919	
Malleable	132,490	281,623	230,078	363,518	350,842	259,898	
Ferro-alloys	180,439	161,160	237,725	207,247	137,196	98,065	
India—							
Basic	1,100,286	1,274,069	1,420,950	1,464,456	1,318,540	1,344,780	
Foundry	427,575	290,451	287,209	219,808	335,881	448,064	
Direct castings	19,478	97,594	91,881	129,778	114,934	127,814	
Ferro-alloys	63,483	18,367	23,906	38,868	6,914	41,261	
FOREIGN COUNTRIES							
Belgium—							
Basic	3,509,329	3,508,173	4,569,414	4,502,179	3,976,997	4,398,000	
Forge	16,864	10,865	42,427	30,274	33,733		
Foundry	149,935	106,251	165,885	169,860	112,795		
Ferro-alloys	13,948	11,131	13,505	11,634	19,818		
France (e)—							
Phosphoric (over 1.4% P)—							
Basic	6,582,499	6,178,876	6,880,126	7,777,162	7,115,714	7,358,324	
Foundry	369,120	281,576	347,504	290,825	207,933		184,255
Semi-phosphoric (from 0.5% to 1.4% P)—							
Foundry	222,228	275,933	360,071	366,689	345,640	335,732	
Open hearth, basic	13,234	46,332	47,188	26,719	7,358		168
Hematite (less than 0.5% P)—							
Foundry	242,976	218,619	196,318	260,012	193,394	209,855	
Open hearth	337,931	193,401	262,291	316,202	166,796		137,043
Bessemer							
Spiegeleisen	145,520	164,128	146,169	179,115	153,827	130,039	
Ferro-manganese	83,012	107,694	112,242	111,425	131,717	131,483	
Other pig-iron and ferro-alloys	216,615	171,733	259,817	286,858	206,950	214,478	

(a) Information not available.

(b) Blast furnace ferro-alloys.

(c) Excluded from totals on page 144.

(d) Metal content.

(e) Excluding electric furnace ferro-alloys.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Hematite	317,000	402,000	402,000	499,000	401,728	} 575,000
Malleable	108,000	156,000	217,000	201,000	176,055	
Basic	4,593,000	5,755,000	6,419,000	8,008,000	7,364,628	7,797,000
Foundry	511,000	732,000	776,000	873,000	594,441	728,000
Stahleisen	1,299,000	1,966,000	2,220,000	2,554,000	2,479,820	2,763,000
Spiegeleisen	65,000	85,000	106,000	134,000	99,970	} 177,000
Ferro-manganese	31,000	63,000	72,000	107,000	146,277	
Siegerland special	40,000	66,000	86,000	108,000	85,516	} 274,000
Other pig-iron	37,000	69,000	193,000	135,000	86,487	
Ferro-silicon	26,000	30,000	37,000	54,000	34,746	
Italy—						
Pig-iron	386,639	495,812	937,570	1,084,883	1,203,015	1,236,638
Spiegeleisen	17,603	13,422	18,665	10,626	14,317	10,806
Ferro-manganese	14,720	15,228	20,466	30,395	18,928	32,360
Ferro-silicon	12,167	17,267	28,455	37,400	27,472	18,995
Silico-manganese	2,711	8,552	8,641	10,996	7,887	9,503
Ferro-chrome	1,312	1,163	3,288	2,462	2,784	1,779
Ferro-titanium	79	85	135	100	128	165
Ferro-tungsten	18	43	78	53	17	65
Ferro-vanadium	8	6	32	64	27	38
Ferro-molybdenum	132	133	67	206	42	233
Silico-aluminium	295	414	613	528	654	450
Other ferro-alloys	2,286	11,682	14,725	8,878	13,288	12,829
Luxemburg—						
Basic	2,323,304	2,454,030	3,107,207	3,027,405	2,679,000	2,756,000
Foundry	11,312	5,388	—	—	—	—
Norway—						
Pig-iron	60,712	62,407	53,207	57,379	57,915	58,974
Ferro-silicon	63,592	62,866	67,402	81,965	93,005	96,747
Other ferro-alloys	105,616	97,650	120,455	129,468	122,147	86,141
Saar—						
Basic	1,436,680	1,553,124	2,154,999	2,311,257	2,144,518	2,244,614
Foundry—						
Hematite	30,521	17,657	30,624	16,351	} 199,777	} 213,319
Phosphoric	41,247	52,270	116,124	110,345		
Other pig-iron and ferro-alloys	48,617	34,154	30,450	72,133		
Spain—						
Pig-iron	604,909	646,257	639,892	749,068	787,086	864,586
Ferro-manganese	8,799	8,846	11,763	11,940	12,708	15,637
Ferro-silicon	5,362	5,681	6,933	10,665	9,283	10,204
Ferro-tungsten	94	67	74	59	32	35
Ferro-chrome	(a)	176	165	253	221	385
Silico-manganese	(a)	647	203	(b)	(b)	(b)
Sweden—						
Pig-iron	798,141	772,330	838,029	1,033,749	985,044	924,186
Spiegeleisen	129	320	1,268	947	640	—
Ferro-manganese	10,294	9,322	9,314	11,320	9,453	11,018
Ferro-silicon	14,186	14,108	13,862	16,503	15,155	13,673
Ferro-silico-manganese	4,489	5,431	2,879	5,455	4,897	9,585
Ferro-chrome	14,648	16,851	18,761	20,345	20,924	18,267
Ferro-titanium	56	53	25	86	86	30
Ferro-tungsten	1,525	1,217	815	445	243	359
Ferro-molybdenum	574	578	680	691	436	593
Ferro-vanadium	158	133	139	118	30	62
Metallic silicon	1,595	3,138	3,802	4,106	3,255	4,832
Silico-chrome	13	8	1,003	1,878	124	2,276
Metallic chrome	—	—	—	—	—	—
Other ferro-alloys	366	359	705	368	314	512

(a) Information not available.

(b) Included with ferro-manganese.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
(cont.)						
Yugoslavia—						
Pig-iron	187,000	209,000	244,512	268,574	265,488	350,574
Ferro-alloys	11,850	13,427	13,968	15,289	10,438	11,369
United States—						
Basic	36,522,639	44,536,108	48,404,026	42,420,704	53,466,529	41,984,977
Bessemer	6,303,050	7,223,757	8,076,745	6,647,960	7,241,858	5,022,771
Low phosphorus	269,214	299,480	281,004	274,534	265,237	189,190
Foundry	2,235,636	2,505,578	2,723,773	2,384,116	2,233,032	2,029,493
Malleable	2,151,282	2,840,217	3,003,008	2,785,864	3,378,980	2,347,912
Other pig-iron	207,966	261,742	256,335	230,516	290,640	180,610
Ferro-manganese and spiegeleisen	602,705	693,643	773,040	732,864	899,329	669,119
Ferro-silicon	595,823	749,703	820,612	668,803	689,588	568,477
Other ferro-alloys	144,529	175,764	347,656	420,670	508,171	405,881
Japan—						
Pig-iron	1,524,228	2,197,645	3,077,700	3,419,400	4,446,782	4,535,200
Spiegeleisen	900	700	700	1,443	1,760	(a)
Ferro-chrome	700	2,900	3,800	4,418	7,700	(a)
Ferro-manganese	31,000	41,100	69,000	68,194	78,855	68,500
Ferro-molybdenum	200	100	100	160	374	(a)
Ferro-phosphorus	1,400	2,500	1,900	527	589	(a)
Ferro-silicon	13,600	10,500	16,500	20,487	22,307	27,200
Ferro-titanium	(a)	(a)	(a)	96	75	(a)
Ferro-tungsten	200	700	500	190	211	(a)
Ferro-nickel	(a)	(a)	(a)	1,448	4,856	(a)
Silico-manganese	4,700	6,300	6,300	10,955	14,370	16,500
Calcium-silicon	(a)	(a)	(a)	1,443	1,778	(a)
Other ferro-alloys	(a)	(a)	100	—	155	(a)

(a) Information not available.

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	15,552,900	16,292,700	15,638,500	16,417,900	17,608,500	18,519,700
Southern Rhodesia ..	19,287	22,838	27,321	35,712	24,599	32,631
Union of South Africa (c) ..	719,018	743,125	933,131	1,183,600	1,221,300	1,245,100
Canada	2,848,551	3,021,049	3,186,357	3,306,349	3,675,061	2,851,895
India	1,352,696	1,437,858	1,499,703	1,578,180	1,506,538	1,684,754
Australia (b) ..	1,202,369	1,242,852	1,473,123	1,551,582	1,829,356	2,144,248
TOTAL	21,694,800	22,760,400	22,758,100	24,073,300	25,865,400	26,478,300
FOREIGN COUNTRIES						
Austria	821,397	931,636	1,011,559	1,039,912	1,263,036	1,626,881
Belgium	3,788,322	3,717,743	4,973,797	4,987,334	4,425,624	4,877,000
Czechoslovakia (f) ..	2,718,000	3,140,000	3,450,000	3,730,000	4,360,000	4,360,000
Finland	107,310	100,757	130,086	146,039	144,365	174,306
France	9,007,390	8,515,212	9,679,536	10,695,061	9,839,076	10,459,154
Germany—						
Federal Republic ..	9,011,000	11,929,719	13,293,000	15,556,000	15,176,422	17,159,000
Eastern	593,000	979,000	1,527,000	1,863,000	2,143,000	2,219,000
Hungary (d) (f) ..	835,000	1,031,000	1,270,000	1,436,000	1,519,000	1,467,000
Italy	2,023,035	2,325,119	3,014,594	3,479,289	3,440,793	4,130,771
Luxemburg	2,235,977	2,411,984	3,028,421	2,954,297	2,617,000	2,783,000
Netherlands	430,000	482,000	545,500	674,173	845,934	912,000
Norway	76,200	79,800	86,200	96,519	108,783	118,741
Poland	2,267,000	2,475,000	2,748,000	3,133,000	3,547,000	3,901,000
Roumania (d)	452,000	549,000	636,000	687,000	708,000	619,000
Saar	1,729,551	1,868,327	2,561,575	2,778,235	2,641,149	2,760,346
Spain	708,263	802,356	805,261	892,967	882,621	1,079,631
Sweden	1,348,735	1,414,146	1,480,170	1,639,365	1,731,079	1,810,850
Switzerland	122,000	128,000	142,000	154,000	155,000	148,000
U.S.S.R.	22,900,000	26,900,000	30,800,000	33,900,000	37,400,000	40,300,000
Yugoslavia	395,000	421,000	426,848	435,368	506,607	606,367
Mexico	339,692	215,107	445,916	591,980	423,163	447,184
United States (e) ..	69,623,371	86,460,781	93,928,436	83,185,749	99,651,535	78,849,689
Argentina (d)	180,000	200,000	250,000	300,000	300,000	300,000
Brazil	595,889	767,155	828,485	881,402	1,000,248	1,153,385
Chile	31,060	55,050	175,500	241,400	308,130	316,000
China (d)	130,000	550,000	780,000	1,180,000	1,450,000	1,800,000
Japan	3,062,268	4,771,633	6,399,100	6,877,800	7,541,100	7,618,700
Turkey	101,367	89,351	133,270	151,041	160,032	166,226
TOTAL	135,000,000	163,000,000	184,000,000	183,000,000	204,000,000	192,000,000
WORLD'S TOTAL ..	157,000,000	186,000,000	207,000,000	207,000,000	230,000,000	219,000,000

* For details see page 149.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Excluding steel castings for which the amounts produced for sale were 59,464 tons, 57,753 tons, 54,500 tons, 56,200 tons and 52,700 tons in 1950, 1951, 1952, 1953 and 1954 respectively.

(d) Estimated.

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

(f) Revised.

**DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS
IN CERTAIN COUNTRIES**

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ingots and castings—						
Open hearth, acid ..	1,367,000	1,310,700	1,259,400	1,238,800	1,132,500	995,400
do. basic ..	12,230,000	12,981,200	12,277,400	12,922,600	14,297,600	15,248,900
Bessemer, acid ..	226,400	247,800	241,400	245,900	263,400	264,500
do. basic ..	818,800	845,700	862,100	887,200	797,600	909,400
Ingots, electric ..	543,700	528,800	574,800	630,000	619,300	621,000
Castings, electric ..	196,000	207,600	244,500	300,200	310,400	308,400
All other ingots and castings ..	171,000	170,900	178,900	193,200	187,700	172,100
Southern Rhodesia—						
Ingots	18,242	21,678	26,125	34,497	23,687	31,492
Castings	1,045	1,160	1,196	1,215	912	1,139
Union of South Africa—						
Ingots—						
Open hearth and bessemer ..	621,500	629,400	828,600	1,082,900	1,118,900	1,245,100
Electric	97,500	113,800	104,500	100,700	102,400	110,200
Castings (b)	(a)	59,464	57,753	54,500	56,200	52,700
Canada—						
Ingots—						
Open hearth, basic ..	2,400,032	2,474,859	2,604,469	2,694,368	3,144,678	2,432,491
do. electric	363,920	469,847	473,328	500,059	435,276	347,707
Castings—						
Open hearth, basic ..	25,599	20,079	27,462	30,964	27,148	19,965
Bessemer	71	207	252	338	227	85
Electric	58,929	56,057	80,846	80,620	67,732	51,646
India—						
Ingots—						
Open hearth, basic ..	1,225,813	1,307,518	1,387,618	1,464,867	1,381,571	1,553,768
do. acid	50,126	47,684	37,243	37,580	37,495	31,263
Electric	53,304	58,614	53,270	52,288	61,806	69,345
Castings	23,453	24,038	21,572	23,445	25,666	30,378
FOREIGN COUNTRIES						
Belgium—						
Ingots, open hearth ..	430,945	363,338	599,573	616,950	493,975	483,000
do. bessemer, basic ..	3,212,876	3,243,932	4,200,659	4,145,493	3,741,019	4,245,000
do. electric	78,871	66,185	110,508	159,051	127,971	109,000
Castings	65,630	44,288	63,057	65,840	62,659	40,500
France—						
Ingots and castings—						
Bessemer, acid ..	103,660	73,879	75,442	72,581	79,182	77,255
do. basic	5,562,293	5,363,258	5,746,954	6,502,072	5,936,789	6,214,277
Open hearth, acid ..	1,793	—	6,214	2,256	2,236	—
do. basic	2,713,322	2,547,001	3,093,607	3,325,258	3,143,157	3,343,421
Crucible	2,649	2,119	3,686	3,819	2,691	3,124
Electric	623,673	528,955	753,633	789,075	675,021	821,077
Of which—						
Ingots	8,742,976	8,288,339	9,450,718	10,695,060	9,604,977	10,227,524
Castings	264,414	226,873	228,818	230,341	234,099	231,630
Germany (Federal)—						
Ingots—						
Open hearth	4,733,000	6,418,000	6,958,000	7,846,000	8,211,196	9,478,000
Bessemer, basic ..	3,993,000	4,968,000	5,597,000	6,825,000	6,104,747	6,732,000
do. acid	—	—	—	127,000	55	—
Electric	128,000	214,000	307,000	373,000	370,974	476,000
Other	29,000	27,000	31,000	32,000	24,399	6,000

(a) Information not available.

(b) Produced for sale.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)						
<i>—(cont.)</i>						
Castings—						
Open hearth ..	58,000	138,000	179,000	200,000	189,587	168,000
Bessemer	33,000	81,000	105,000	6,000	111,981	—
Electric	32,000	73,000	100,000	128,000	143,145	190,000
Other	5,000	11,000	16,000	19,000	20,338	108,000
Italy—						
Ingots	1,945,573	2,239,242	2,916,630	3,369,519	3,335,211	4,021,703
Castings	77,462	85,877	97,964	109,770	105,582	109,068
Luxemburg—						
Open hearth ..	59	—	—	—	—	—
Bessemer, basic ..	2,191,107	2,347,441	2,958,858	2,896,796	2,568,000	2,735,000
Electric	44,811	64,543	69,563	57,501	49,000	48,000
Norway—						
Ingots	67,900	71,000	77,200	84,064	95,371	104,982
Castings	8,300	8,800	9,000	12,455	13,412	13,759
Saar—						
Ingots—						
Open hearth ..	416,060	437,205	553,118	634,384	637,839	662,618
Bessemer, basic ..	1,267,884	1,385,420	1,937,479	2,074,857	1,947,383	2,036,009
Electric	25,524	23,555	46,766	43,261	29,538	38,050
Castings—						
Open hearth ..	2,066	2,430	2,904	4,380	5,332	4,946
Bessemer, acid ..	3,280	2,768	3,793	4,122	4,122	2,792
Electric	14,737	16,949	17,515	17,231	16,935	15,931
Spain—						
Open hearth and						
bessemer	657,135	715,526	706,750	784,582	739,915	911,355
Electric	51,128	86,830	98,511	108,385	142,706	168,276
Sweden—						
Open hearth, acid ..	203,661	198,884	211,038	218,949	193,727	213,061
do. basic	472,946	496,145	494,249	535,817	505,827	496,068
Bessemer, acid ..	27,317	27,857	28,236	30,646	28,238	28,648
do. basic	129,654	115,628	143,076	125,783	205,738	293,586
Electric	515,157	575,632	603,751	728,170	797,548	779,487
Yugoslavia—						
Open hearth	382,000	407,000	412,821	418,668	487,607	578,765
Electric	13,000	14,000	14,027	16,700	19,000	27,602
United States—						
Ingots—						
Open hearth, acid ..	364,604	425,362	540,169	481,525	453,370	219,062
do. basic	62,221,385	76,429,590	82,423,536	73,283,539	89,050,585	71,380,259
Bessemer	3,523,800	4,048,712	4,366,916	3,146,140	3,442,594	2,275,093
Crucible and electric	3,292,033	5,292,419	6,288,720	5,985,477	6,451,812	4,804,650
Castings (b)—						
Open hearth, acid ..	87,801	111,118	155,430	146,188	123,500	55,819
do. basic	48,355	54,027	65,256	58,782	81,316	65,837
Electric	85,393	99,553	88,409	84,098	48,358	48,969
Japan—						
Open hearth	2,386,900	3,838,400	5,290,000	5,747,137	6,183,701	(a)
Bessemer, basic ..	75,800	191,300	193,000	196,843	339,003	(a)
Electric	599,000	740,500	916,100	934,007	1,018,444	(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	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Forge and foundry ..	3,459	15,490	3,641	119	1,257	18,578
Refined	6,401	16,574	11,986	4,410	4,825	7,158
Other	21	3,355	340	196	303	18,012
Spiegeleisen and ferro-						
manganese	9,267	2,530	1,437	1,785	950	8,903
Ferro-tungsten ..	911	1,171	394	96	133	398
Ferro-molybdenum ..	131	147	78	232	312	248
Ferro-titanium ..	490	568	535	519	366	304
Ferro-vanadium ..	87	209	58	73	125	6
Other ferro-alloys ..	326	622	358	621	898	1,237
Iron and steel ingots ..	134	84	130	22	64	103
Blooms, billets and						
slabs—						
Iron	18	29	7	10	132	51
Steel	2,602	5,856	4,407	87	512	1,950
Special steel ..	210	761	721	40	300	651
Old and scrap (b) ..	1,545	6,310	2,378	545	1,743	6,287
Channel Islands (Jersey)—						
Scrap	2,236	1,349	1,836	1,497	2,804	1,131
Southern Rhodesia—						
Pig-iron	4,490	6,135	8,162	3,666	4,671	1,927
Ferro-chrome	(a)	(a)	(a)	(a)	247	2,294
Ferro-silicon	(a)	(a)	(a)	(a)	(a)	394
Union of South Africa—						
Pig-iron	287	17,701	3,163	8,507	5,339	42,000
Ferro-alloys	690	969	1,900	(a)	(a)	(a)
Ingots, blooms, billets,						
etc.	784	39	56	(a)	(a)	(a)
Tool and drill steel ..	434	337	252	(a)	(a)	(a)
British West Indies—						
Trinidad and Tobago—						
Old and scrap ..	4,373	3,000	600	10,407	16,058	6,684
Canada—						
Pig-iron	11,166	173,686	199,674	335,703	308,406	180,896
Spiegeleisen	500	316	—	—	508	—
Ferro-chrome	16,204	29,389	39,046	39,545	30,200	13,664
Ferro-manganese ..	31,507	23,724	60,275	27,937	610	3,249
Ferro-silicon	59,310	53,271	69,262	71,574	48,578	30,984
Other ferro-alloys ..	6,146	2,655	1,466	2,993	471	761
Billets, ingots and						
blooms	60,853	152,196	34,855	50,292	113,404	4,773
Old and scrap	35,692	55,909	35,539	78,382	366,079	499,349
Tinplate scrap	19,688	21,483	23,266	25,347	23,301	25,542
Hong Kong (including						
re-exports)—						
Pig-iron	42	34	34	—	—	2
Special steel	347	602	1,624	2	34	24
Old and scrap	13,647	39,576	57,564	42,265	41,321	35,127
Tinplate scrap	(a)	(a)	(a)	(a)	1,372	2,866
India—						
Pig-iron	68,142	30,402	51,399	8,573	17,700	11,164
Old and scrap	263	—	32,439	324,735	390,795	126,226
Malaya (including						
re-exports)—						
Pig-iron	125	93	332	169	76	160
Ingots, slabs etc. ..	(a)	(a)	(a)	(a)	36	555
Scrap	50,531	19,556	38,878	110,739	82,955	50,772
Tinplate scrap	106	52	1,080	1,986	1,613	2,419

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1949—12,496; 1950—4,542; 1951—314; 1952—Nil; 1953—Nil; 1954—32,200.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Australia—						
Pig-iron	17,705	11,054	5,812	64,700	211,216	33,738
Ferro-alloys	8	124	82	120	112	16
Ingots, blooms and billets	9,382	3,859	1,580	5,831	161,678	26,561
Old and scrap	9,569	(b) 10,674	(b) 17,586	(b) 9,861	118,262	64,387
New Zealand—						
Scrap	2,856	3,547	8,926	12,643	33,831	19,728
Irish Republic—						
Old and scrap	10,461	7,569	8,082	12,183	18,520	15,186
FOREIGN COUNTRIES						
Austria—						
Pig-iron	331,344	410,546	354,367	521,859	519,648	293,770
Iron ingots and bars	3,410	3,687	37	300	83,605	40,088
Steel ingots and bars	16,330	20,184	25,593	27,293	131	—
Scrap	19,332	2,667	2,382	11,372	10,072	4,795
Belgium-Luxemburg						
E.U.—						
Pig-iron	21,359	26,357	40,252	12,987	21,657	47,373
Ferro-alloys	128	268	73	154	16	3,237
Crude iron and steel ingots	12,318	3,051	27,758	6,243	10,290	1,107
Steel blooms and billets	395,014	280,496	391,171	515,372	340,015	365,865
Special steel	507	700	11,216	17,513	2,173	1,918
Old and scrap	17,229	32,686	10,315	55,661	175,848	183,358
Denmark—						
Old and scrap	15,375	29,274	9,308	12,010	19,389	20,115
Finland—						
Pig-iron	13,200	22,384	13,447	7,056	3,026	1,031
Ferro-alloys	424	150	265	—	—	—
Old and scrap	7	3	552	358	2,392	979
France—						
Pig-iron	193,061	284,400	323,062	309,954	273,959	117,295
Spiegeleisen	5,984	17,642	9,818	10,770	1,209	1,212
Ferro-manganese	172	34,388	28,846	18,287	42,460	54,891
Ferro-silicon	734	2,643	11,562	4,074	2,539	8,096
Ferro-chrome	172	2,370	4,338	4,599	6,232	6,051
Other ferro-alloys	335	1,170	893	917	1,631	1,888
Ingots	2,177	3,061	13,706	2,080	13,643	11,146
Blooms and billets, forged or rolled	158,910	454,965	285,788	174,808	324,682	432,739
Old, filings and scrap	177,529	457,603	160,227	87,170	468,584	852,038
Germany (Federal)—						
Pig-iron	90,301	466,565	453,823	325,678	199,823	374,116
Ferro-manganese	36	510	} 1,536	} 2,551	} 60,555	} 8,912
Ferro-silicon, etc.	—	85				
Other ferro-alloys	603	2,056				
Rough blooms, bars, ingots, etc.	15,676	93,797	26,818	67,883	146,145	361,645
Old and scrap	2,432,096	2,545,531	721,537	428,515	478,298	759,597
Greece—						
Scrap	2,373	66	14,038	26,868	9,789	9,762

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Pig-iron	301	16	1	6	—	—
Spiegeleisen	80	1	—	2,633	—	—
Ferro-manganese	597	285	466	694	1,147	1,001
Ferro-silicon	2,791	22,307	13,617	20,112	3,571	9,248
Ferro-silico-manganese	—	361	1,562	3,282	427	153
Ferro-chrome	20	195	528	200	67	5
Other ferro-alloys	8	172	527	183	—	—
Ingots, blooms and sheet bar	50	395	1	98	266	29,131
Scrap	169	1,157	55	109	604	217
Netherlands—						
Pig-iron	231,006	252,225	239,084	219,256	196,231	206,274
Ferro-alloys .. ..							30	30
Ingots, blooms and billets	6,871	14,782	8,269	3,281	1,727	30
Old and scrap	25,964	151,967	30,308	58,728	150,240	140,145
Norway—						
Pig-iron—electric	19,098	26,095	39,665	35,614	26,579	37,086
Ferro-chrome	14,559	16,152	21,624	19,414	14,293	10,562
Ferro-manganese	52,879	82,178	79,161	83,488	64,361	48,669
Ferro-silicon	40,329	52,805	49,343	54,736	55,086	64,490
Ferro-silico-manganese	8,022	19,183	22,482	17,797	11,580	22,354
Other ferro-alloys	46	665	342	87	5	(a)
Steel ingots	28	3	1,175	537	3	678
Old and scrap	129	1,187	238	1,746	787	6,883
Portugal—						
Old and scrap	14,193	17,311	23,509	15,497	11,946	9,842
Spain—						
Pig-iron	20,216	647	39,495	30,366	47,091	(a)
Iron and steel ingots and blooms	13	7	9	1	—	(a)
Old and scrap	—	38	—	18	12	(a)
Sweden—						
Pig-iron	30,835	68,208	66,657	50,559	99,360	60,250
Sponge iron	4,356	8,517	14,073	8,657	12,022	16,092
Ferro-manganese	725	981	369	365	364	824
Spiegeleisen	—	—	—	92	—	—
Ferro-silicon	1,234	5,653	4,794	5,783	3,573	6,739
Ferro-silico-manganese	203	878	220	82	3	319
Ferro-chrome	1,079	4,624	5,150	6,488	5,694	6,325
Ferro-tungsten	759	758	347	107	93	173
Other ferro-alloys	290	442	800	707	67	126
Steel ingots	—	19	9,196	8,527	4,940	2,484
Steel blooms	—	137	—	92	—	—
Tool steel	325	436	688	436	427	407
Other special steel	1,924	2,553	2,607	1,961	1,608	1,906
Old, filings and scrap	2,975	4,381	4,685	5,849	5,445	6,883
Switzerland—						
Pig-iron and steel, etc.	7,201	9,927	525	65	500	2,828
Ferro-chrome and ferro-silicon	1,569	1,289	3,724	3,235	1,369	2,273
Old, filings and scrap	998	30,781	5,852	7,266	2,630	3,584
Yugoslavia—						
Ferro-chrome	(a)	2,216	3,206	1,689	1,853	1,855
Ferro-manganese		1,321	846	2,322	1,335	2,215
Silico-manganese		143	1,283	359	1,132	123
Ferro-silicon		475	845	329	30	229
Other ferro-alloys		—	167	20	(a)	(a)
Scrap	(a)	(a)	(a)	505	1,443	770
Algeria—						
Old, filings and scrap	2,413	63,731	78,805	68,020	77,440	64,546

(a) Information not available.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
(cont.)						
Egypt—						
Scrap	3	118	—	115	5,393	(a)
Morocco (French)—						
Old and scrap	9,693	19,422	(a)	21,955	(a)	(a)
Mozambique—						
Scrap	1,270	159	1,688	2,768	3,993	(a)
Tunis—						
Scrap	46,773	24,202	68,804	44,979	34,221	26,967
Cuba—						
Old and scrap	12,344	18,215	29,764	(a)	(a)	(a)
Mexico—						
Ferro-alloys	—	1	486	918	—	—
Ingots	—	3	—	—	—	—
United States—						
Pig-iron	72,597	6,083	5,853	12,576	16,819	9,149
Ferro-manganese and						
spiegeleisen	5,917	841	641	1,327	993	1,546
Ferro-chrome	1,964	309	214	1,138	542	1,879
Ferro-molybdenum	426	526	662	487	289	111
Ferro-vanadium	87	37	55	131	70	63
Ferro-silicon	2,281	1,771	2,478	6,464	1,516	1,857
Ferro-tungsten	277	149	127	132	16	5
Ferro-titanium	160	153	157	290	165	153
Other ferro-alloys	4,791	38,283	49,391	39,772	21,127	21,884
Steel ingots, slabs,						
blooms, billets and						
sheet bars	185,147	53,347	119,003	635,778	60,602	26,274
Old and scrap	262,280	186,406	196,344	299,381	259,979	1,329,972
Tin plate scrap and						
waste	41,865	55,309	56,765	3,570	5,195	944
Brazil—						
Pig-iron	11,456	(a)	33,448	5,642	(a)	(a)
Ferro-manganese	177	(a)	4,532	1,060	(a)	(a)
Ferro-nickel	—	(a)	54	89	(a)	(a)
Ferro-silicon	672	(a)	1,705	830	(a)	(a)
Chile—						
Pig-iron	—	49	38,533	53,866	11,969	32
Ferro-manganese	6,533	4,178	6,445	1,975	2,210	6,014
Ingots and bars	—	666	9,847	2,881	170	(a)
Japan—						
Ferro-chrome		1,319	251	14	49	7
Ferro-manganese	1,252	2,496	3,630	7,972	23,573	14,230
Ferro-silicon		451	566	323	972	840
Other ferro-alloys	(a)	2,737	1,366	363	557	5,725
Ingots, blooms and						
billets	(a)	77,365	37,678	175,229	115,695	129,338
Scrap	116,924	67,863	9,754	1,840	263	4,672
Korea (South)—						
Scrap	(a)	492	57,331	101,735	15,117	(a)
Turkey—						
Ingots and blocks	738	—	23,319	18,849	—	—
Ferro-alloys	(a)	(a)	1,968	—	—	—
Old and scrap	1,130	2,658	20,686	41,730	11,023	2,809

(a) Information not available.

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

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Sponge-iron	403	335	923	678	961	1,266
Pig-iron—						
Charcoal	40	411	1,143	2,242	646	187
Forge and foundry ..	—	6,269	5,481	2,471	—	—
Hematite	110,827	25,300	53,282	107,982	114,924	43,944
Basic	148,931	159,454	237,785	613,389	573,941	290,048
Other pig-iron	2,021	3,149	3,440	5,402	3,122	3,739
Spiegeleisen and ferro-manganese	—	485	1,167	718	762	3,386
Ferro-silicon	65,148	65,608	64,136	84,433	62,752	35,017
Ferro-silicon-chrome ..				588	171	662
Ferro-chrome	10,054	12,117	22,279	33,729	16,821	9,134
Silico-manganese	9,100	10,464	12,568	12,322	10,821	6,898
Other ferro-alloys	25	782	506	1,980	250	614
Iron and steel ingots ..	8,188	432	1,274	352,785	137,128	33,754
Blooms, billets, slabs—						
Iron	112	47	2	17	1,002	2,229
Steel	299,200	160,751	102,657	387,014	394,413	67,976
Special steel	1,701	139	27	15,724	6,568	2
Old and scrap (b)	2,097,162	1,958,310	589,429	728,386	861,028	759,126
Anglo-Egyptian Sudan—						
Pig-iron	—	—	248	—	—	(a)
Crude iron and steel ..	5,358	5,022	5,673	8,341	12,220	9,719
Kenya—						
Pig-iron	1,000	300	201	558	923	573
Ingots, blooms, etc. ..	—	1	6	—	—	260
Mauritius—						
Pig-iron, ingots etc. ..	20	25	20	5	41	18
Northern Rhodesia—						
Pig, ingots, etc.	4,116	5,484	6,580	5,122	5,607	(d)
Southern Rhodesia—						
Pig, ingots, etc.	1,070	297	698	4,340	2,520	(e) 420
Tool and drill steel ..	480	425	269	199	127	(e) 23
South West Africa—						
Pig-iron	1	107	3	86	241	(a)
Tanganyika—						
Pig-iron	330	189	356	209	233	150
Ferro-alloys	(a)	20	76	—	60	—
Ingots, blooms, etc. ..	21	2	1	1	2	6
Union of South Africa—						
Pig-iron and steel ingots	610	656	198	194	65	(a)
Ferro-silicon	171	11	5	—	2	(a)
Ferro-manganese	83	18	39	56	90	(a)
Other ferro-alloys	203	78	161	61	70	(a)
Tool and drill steel ..	1,146	2,487	1,891	4,492	651	479
British West Indies—						
Jamaica—						
Pig-iron	120	—	60	40	(a)	(a)
Trinidad and Tobago—						
Pig-iron	22	6	(c) 57	1	23	5
Ingots, etc.	1	3	203	153	12	8

(a) Information not available.

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

Year	Long tons
1949	43,886
1950	124,890
1951	52,511
1952	116,203
1953	203,832
1954	245,775

(c) Excess of re-exports. (d) Included under Southern Rhodesia.

(e) Federation of Rhodesia and Nyasaland.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Canada—						
Pig-iron	18,331	26,454	19,299	1,487	22,754	17,865
Sponge iron	—	9	39	6	8	105
Ferro-manganese	1,327	908	261	1,454	932	7,613
Ferro-silicon	441	2,443	4,256	4,875	449	214
Ferro-tungsten	135	96	450	220	28	38
Silico-manganese	18	73	302	136	16	17
Other ferro-alloys	684	708	520	1,197	1,294	1,965
Ingots, blooms and billets	53,633	22,918	106,175	129,791	25,340	4,242
Scrap	254,353	163,525	95,953	183,685	89,404	57,449
Ceylon—						
Pig-iron	1,107	707	1,482	470	398	972
Cyprus—						
Pig-iron	655	1,788	132	299	10	665
Old and scrap	305	(d) 1,075	(d) 2,076	(d) 317	(d) 926	1,189
Hong Kong (total imports)—						
Pig-iron	1,618	1,493	241	651	370	882
Ingots, blooms and billets	68	196	588	459	345	379
Special steel	124	522	673	162	664	315
Old and scrap	6,474	3,194	9,440	3,877	4,865	12,296
Tinplate scrap	(a)	(a)	(a)	1,814	4,631	7,073
India—						
Pig-iron	23	322	14	20	—	—
Ingots, blooms and billets	11,912	70,857	33,322	28,047	12,134	7,046
Tool steel	344	155	227	743	629	388
Ferro-chrome	} 2,100	} 1,111	} 3,718	} 88	} 580	} 6,197
Ferro-manganese						
Ferro-silicon						
Other ferro-alloys						
Old and scrap	7,029	11,664	3,861	(d) 12,770	(d) 44,511	(d) 11,172
Malaya (total imports)—						
Pig-iron	726	3,565	13,668	2,719	639	1,314
Ferro-alloys	(a)	(a)	(a)	(a)	41	59
Ingots, slabs etc.	(a)	(a)	(a)	(a)	2,041	749
Scrap	2,466	6,032	2,209	3,383	1,549	3,820
Tinplate scrap	—	25	3,798	25	6,074	4,600
Pakistan (b)—						
Pig-iron	(a)	(a)	5,640	615	5,956	30,529
Ferro-alloys	(a)	(a)	320	33	360	73
Ingots, blooms and billets	(a)	(a)	10,480	32,729	46,395	37,101
Tool steel	(a)	(a)	24	27	15	61
Old and scrap	(a)	(a)	3,526	303	—	—
Australia—						
Pig-iron	1,020	12,647	11,503	6,232	—	—
Ferro-manganese	709	389	80	56	111	1,517
Ferro-chrome	} (c) 815	} 1,000	} 2,253	} 1,513	} 1,154	} 615
Ferro-molybdenum						
Other ferro-alloys						
Ingots and billets of high grade carbon alloy steels	585	754	220	673	21	306
Other ingots and billets	187	1,172	1,163	1,860	206	118
Scrap	(d) 1,156	(e) 1,665	470	748	218	(c) 225

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Total imports.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Pig-iron	8,117	14,298	6,709	15,398	4,341	10,940
Ferro-alloys	46	276	185	251	54	73
Billets and blooms	2,293	4,736	4,249	6,114	4,883	147
Special steel	893	1,576	644	1,029	1,219	884
Irish Republic—						
Pig-iron	3,989	8,687	3,788	3,199	2,914	5,062
Ferro-alloys	30	771	692	81	99	522
Ingots, blooms and billets	552	3,670	4,780	6,412	21	2,514
Old and scrap	1,747	1,832	—	741	8	223
FOREIGN COUNTRIES						
Austria—						
Pig-iron	2,071	2,411	2,041	1,824	460	1,941
Ferro-manganese	3,379	5,413	4,444	6,862	2,709	4,308
Ferro-silicon	2,001	2,717	3,289	5,558	2,415	2,902
Other ferro-alloys	4,494	6,399	4,713	5,410	4,384	7,544
Iron ingots	430	327	2,546	12,312	1,939	9,025
Steel ingots	258	1,476	8,130	52,065	—	—
Scrap	42,826	70,438	58,968	45,379	32,463	56,499
Belgium-Luxemburg						
E.U.—						
Pig-iron	91,000	82,295	117,217	223,903	172,594	214,259
Ferro-manganese	52,667	47,316	78,626	81,421	49,651	42,901
Other ferro-alloys	15,209	9,705	20,800	19,597	12,673	13,320
Crude iron ingots	118	1,908	95	2,288	78,241	23,852
Steel ingots	110	90	148	199	79	(a)
Blooms and billets	4,654	9,636	4,221	7,450	19,214	25,804
Special steel	5,398	6,751	8,204	10,746	(a)	206
Old and scrap	325,061	388,790	259,073	185,112	246,111	167,855
Denmark—						
Pig-iron	36,173	52,821	54,937	47,929	40,791	49,578
Ferro-chrome		174	235	329	151	158
Ferro-manganese, etc.	11,745	756	2,241	1,278	2,406	3,535
Ferro-silicon		3,971	3,954	4,402	5,558	4,126
Other ferro-alloys		422	235	29	88	9
Old and scrap	3,050	3,214	1,658	2,536	1,723	1,614
Finland (total imports)—						
Pig-iron	23,128	7,788	7,399	21,136	6,344	49,607
Billets	19,463	13,929	33,272	38,207	16,957	51,945
Ferro-manganese and spiegeleisen	1,030	696	1,637	1,186	1,165	1,620
Other ferro-alloys	1,787	950	1,230	2,831	2,100	1,640
Old and scrap	33,301	13,385	4,118	41,728	31,673	49,380
France—						
Pig-iron—hematite	10,328	7,860	10,860	12,457	35,763	82,144
do. other	13	2,116	3,682	3,511	10,183	9,797
Spiegeleisen	2,568	2,406	1,915	2,736	3,140	15,955
Ferro-manganese	148	102	153	479	563	2,686
Ferro-silicon	69	1,495	18	59	60	507
Ferro-chrome	501	5	1	—	4	13
Other ferro-alloys	49	172	22	36	18	1,612
Ingots	10,339	1,993	5,039	1,425	13	9,168
Blooms and billets, rolled or forged	2,412	23,423	67,168	44,320	80,329	141,783
Old, filings and scrap	14,264	3,501	5,999	9,321	15,966	86,789

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Pig-iron	—	11,200	30,557	145,371	65,727	120,319
Ferro-manganese	3,427	1,369	} 24,833	29,961	16,990	66,689
Ferro-silicon, etc.	7,341	8,225				
Other ferro-alloys	2,004	3,526				
Rough blooms, ingots, bars, etc.	121	8,496	6,588	153,369	89,291	102,379
Old and scrap	4,664	43,524	10,314	25,871	161,880	597,146
Greece—						
Pig-iron	10,307	15,441	11,125	11,493	5,251	29,411
Italy—						
Pig-iron	206,811	206,010	140,547	100,493	95,148	219,727
Spiegeleisen	—	1,537	3,329	4,064	2,162	1,129
Ferro-chrome	1,534	1,924	907	1,407	2,385	3,210
Ferro-manganese	2,939	1,696	219	19	162	784
Ferro-molybdenum	26	85	78	218	282	183
Other ferro-alloys	369	299	192	329	1,015	1,016
Steel ingots	24,784	61,884	28,563	28,811	22,289	23,973
Steel blooms and sheet bar	2,514	47,312	98,871	65,809	105,668	114,292
Old and scrap	383,802	495,083	673,368	673,744	1,014,848	1,466,105
Netherlands—						
Pig-iron	2,696	8,302	6,688	3,412	3,470	15,203
Ferro-manganese	} 5,169	6,518	7,546	7,062	5,173	} 5,401
Ferro-chrome						
Ferro-silicon						
Ferro-silico-manganese						
Ferro-molybdenum						
Other ferro-alloys	24					
Ingots, blooms, billets, etc.	1,819	3,701	4,008	3,852	37,420	99,366
Old and scrap	1,154	3,181	2,294	3,574	3,513	32,137
Norway—						
Pig-iron	1,770	3,796	28,222	16,277	15,054	20,386
Ferro-tungsten and ferro-vanadium	2	19	3	21	19	12
Other ferro-alloys	6	20	45	93	76	80
Ingots	314	29	56	289	503	3,347
Alloyed steel	1,455	(a)	(a)	(a)	(a)	225
Old and scrap	31,918	6,735	4,817	5,528	4,214	8,973
Portugal—						
Iron and steel ingots	} 13,248	11,797	} 13,880	7,283	8,981	13,537
Ferro-alloys						
Old and scrap						
Old and scrap	1,909	837	1,414	596	1,091	4,709
Spain—						
Pig-iron	228	25	2,738	1,600	1,223	(a)
Ferro-manganese	2	3,476	866	4,403	5,460	(a)
Other ferro-alloys	697	1,147	280	448	978	(a)
Special steel	1,549	1,906	1,208	2,729	4,298	(a)
Old and scrap	47,105	80,270	47,726	23,885	35,797	(a)
Sweden—						
Pig-iron	93,597	100,368	72,934	116,862	52,396	98,490
Spiegeleisen	20	128	—	57	15	30
Ferro-manganese	1,866	2,258	2,327	1,445	1,850	2,897
Ferro-chrome	2,255	2,035	2,462	1,612	1,310	1,350
Ferro-silicon and ferro-silico-manganese	690	401	218	392	292	436
Ferro-tungsten	24	72	10	—	1	—
Other ferro-alloys	495	411	679	262	786	459
Tool steel	8	1	9	17	4	4
Old, filings and scrap	147,463	172,830	78,608	92,378	34,243	46,008

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Pig-iron, steel billets, blooms, etc.	55,396	85,745	91,158	103,795	53,903	134,330
Ferro-chrome and ferro-silicon	1,321	1,280	8,037	3,070	1,375	3,411
Old, filings and scrap . .	53,013	4,950	1,890	318	8,460	12,198
Yugoslavia—						
Pig-iron	(a)	23,712	20,374	17,643	11,576	28,219
Ferro-alloys		206	207	144	186	343
Ingots, blooms and billets		1,582	2,012	2,595	4,854	10,250
Scrap		67,746	12,963	21,274	3,872	75,241
Algeria—						
Pig-iron	1,748	1,555	1,282	1,738	774	873
Spiegeleisen and ferro-alloys	291	171	456	475	418	363
Ingots, blooms and billets	3,310	13,777	18,540	17,421	12,038	14,455
Old, filings and scrap . .	3,507	281	253	147	318	42
Belgian Congo—						
Pig-iron	(a)	993	1,440	(a)	2,430	1,214
Ferro-alloys	(a)	158	401	(a)	312	161
Egypt—						
Pig-iron and spiegeleisen	4,543	12,911	6,683	3,153	2,575	1,591
Ferro-alloys	545	244	973	657	795	690
Ingots, billets, etc. . . .	1,190	5,588	2,549	541	8	1,611
Special steel	1,228	1,906	746	934	1,351	1,122
Scrap	4,373	2,499	4,196	3,133	2,039	1,187
Morocco (French)—						
Pig-iron	1,258	1,167	(a)	1,310	(a)	(a)
Ferro-alloys	76	39	(a)	160	(a)	(a)
Scrap, etc.	2,253	2,259	(a)	1,573	(a)	(a)
Tunis—						
Pig-iron	125	101	38	(a)	9	66
Steel ingots and billets	390	(a)	4	(a)	2	3
Old and scrap	197	217	33	(a)	1,887	364
Cuba (total imports)—						
Iron ingots	271	492	934	(a)	(a)	(a)
Mexico—						
Pig-iron	1,933	913	1,219	1,723	1,501	344
Ferro-manganese	2,395	2,372	940	894	123	130
Other ferro-alloys	1,606	1,980	2,917	2,861	1,200	1,298
Steel ingots, blooms and billets	173	1,036	50	5	9	7,587
Scrap	101,714	117,254	117,892	129,523	115,250	166,278
United States—						
Pig-iron	89,110	710,683	952,244	366,638	526,630	259,568
Spiegeleisen	1,553	7,737	—	39	701	—
Ferro-chrome	6,577	19,315	24,368	19,067	29,716	14,976
Ferro-manganese	58,048	96,691	106,932	57,227	112,963	50,689
Ferro-silicon	6,641	13,162	26,323	11,450	12,324	15,685
Ferro-titanium	34	116	222	100	154	4
Ferro-tungsten	28	785	901	281	336	276
Sponge iron	3,099	6,733	11,445	5,420	5,335	3,446
Bar-iron, slabs, blooms, etc.	316	345	625	284	155	195
Steel ingots, blooms, etc.	46,706	161,178	124,665	54,566	119,363	7,832
Scrap	977,154	621,589	320,624	94,550	116,246	184,211
Tin plate scrap	41,028	42,394	51,571	42,659	37,478	29,171

(a) Information not available.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Pig-iron	80,961	91,824	69,646	55,452	83,686	27,029
Ferro-manganese	1,722	2,217	2,394	1,480	2,169	4,176
Ferro-silicon	1,155	1,140	2,348	1,320	987	969
Ingots	62,574	160,984	177,680	109,583	58,000	453,081
Old and scrap	88,150	61,756	17,790	13,743	2,137	—
Brazil (total imports)—						
Pig-iron, etc.	1,694	(a)	1,652	1,591	6,514	155,358
Ferro-manganese	55	(a)	13	—	59	166
Ferro-silicon	565	(a)	28	(a)	196	1,398
Special steel	882	(a)	107	463	301	637
Filings	28	(a)	113	299	49	109
Chile—						
Pig-iron	1,076	305	850	104	(a)	(a)
Ferro-manganese	104	105	265	243	(a)	(a)
Ferro-silicon	156	853	1,331	1,173	530	121
Other ferro-alloys	11	57	485	140	(a)	(a)
Steel ingots	961	13,424	140	78	(a)	(a)
Colombia—						
Pig-iron	1,261	1,793	624	370	869	1,270
Ferro-alloys	(a)	(a)	57	55	153	1,094
Peru—						
Pig-iron	1,130	1,269	681	446	674	431
Ferro-alloys	66	100	173	110	213	85
Uruguay—						
Ingots	6,332	11,222	16,137	9,820	12,173	(a)
Ferro-manganese	133	66	} 370	279	263	(a)
Ferro-silicon	231	116				
Other ferro-alloys	—	14				
Iran (b)—						
Ingots, etc. old and scrap	(a)	(a)	1,361	742	438	(a)
Israel—						
Pig-iron	2,561	2,450	(a)	(a)	(a)	(a)
Ferro-alloys	9	3	(a)	(a)	(a)	(a)
Japan—						
Pig-iron	135,844	1,551	42,396	6,538	2,425	2,815
Ferro-alloys	(a)	(a)	914	1,828	2,190	2,092
Old and scrap	—	43,926	210,763	497,777	1,122,749	962,682
Philippine Republic—						
Pig-iron	241	226	69	327	364	482
Ferro-alloys	3	27	178	192	320	129
Turkey—						
Iron ingots and blocks	—	—	9	—	—	—
Ferro-alloys	659	413	103	115	242	952
Steel ingots and blocks	—	—	—	—	—	—
Special steel	600	951	2,878	2,613	2,760	1,723
Old and scrap	16	5	13	2	45	—

(a) Information not available.

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

LEAD
PRODUCTION OF LEAD ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	2,465	3,288	4,847	5,687	7,992	8,452
Nigeria	28	12	4	27	35	9
Northern Rhodesia (b) ..	13,945	13,685	13,970	12,600	11,510	15,000
Southern Rhodesia	81	—	—	—	40	—
South West Africa	37,785	33,151	38,611	52,008	58,292	68,881
Tanganyika (c)	—	642	1,537	2,371	2,755	2,118
Uganda	54	30	4	7	16	62
Union of South Africa	165	593	879	562	483	161
Canada (d)	142,656	147,944	141,278	150,752	172,952	195,085
Hong Kong	—	—	—	378	322	188
India (e)	650	1,040	1,300	1,440	2,020	2,081
Australia (g)	213,406	218,872	224,533	232,761	244,913	284,862
TOTAL	411,200	419,300	427,100	458,600	501,300	576,900
Irish Republic	83	245	779	1,872	898	(a)
FOREIGN COUNTRIES						
Austria	4,606	4,530	4,861	5,910	5,562	5,408
Finland	128	140	213	213	214	257
France	9,846	12,234	10,874	12,093	12,200	10,800
Germany—						
Federal Republic	40,298	44,230	49,581	50,782	61,948	66,447
East	2,500	2,500	2,600	3,800	4,200	5,000
Greece	1,154	(a)	2,722	3,116	3,640	(e) 3,500
Italy	34,418	37,841	38,126	38,014	36,304	40,158
Norway	296	224	407	406	517	695
Poland (e)	17,000	20,000	20,000	21,000	21,000	21,000
Portugal	734	1,290	1,595	1,891	1,669	1,724
Roumania (e)	4,000	4,000	4,000	5,000	6,000	6,000
Spain	30,597	38,833	40,167	42,435	53,938	54,860
Sweden	23,523	22,315	19,382	20,991	25,131	29,224
U.S.S.R. (smelter) (e) ..	103,000	125,000	170,000	200,000	240,000	275,000
Yugoslavia	71,000	84,676	77,506	77,721	83,807	82,799
Algeria	1,118	1,379	2,785	4,153	7,734	10,041
Belgian Congo	177	—	—	—	—	—
French Equatorial Africa ..	719	1,785	2,466	3,563	4,350	3,428
Morocco (French)	36,483	47,452	67,107	82,289	79,071	81,325
Morocco (Spanish)	95	220	420	720	660	460
Tunis	14,700	18,961	20,910	22,902	24,103	26,305
Guatemala (f)	685	1,892	2,731	4,132	4,181	2,469
Honduras	391	275	446	530	(f) 30	(f) 1,187

- (a) Information not available.
(b) Smelter.
(c) Exports.
(d) Amount estimated as recoverable.
(e) Estimated.
(f) Imports into the United States.
(g) Revised.

PRODUCTION OF LEAD ORE (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (b)	217,277	234,318	221,907	242,142	218,049	213,203
United States (b)	365,989	384,667	346,575	348,358	305,183	284,808
Argentina (c)	16,000	23,000	23,600	18,800	15,800	18,800
Bolivia (exports)	25,895	30,684	30,076	29,539	23,412	17,939
Chile	2,814	3,266	7,678	6,534	5,161	(c) 5,000
Ecuador	372	221	30	112	112	—
Peru	64,325	63,888	81,049	96,520	112,770	106,985
Burma	(a)	1,098	5,815	3,861	9,000	14,000
Iran (estimated)	(a)	2,000	1,100	17,200	16,000	(a)
Japan	8,990	10,718	12,667	17,206	18,359	22,534
Korea (South)	141	130	130	130	130	50
Philippine Republic	541	865	562	2,264	2,396	1,798
Siam	180	680	1,300	1,089	3,525	5,165
Turkey	570	190	740	1,470	6,671	10,013
TOTAL	1,101,000	1,222,000	1,266,000	1,370,000	1,400,000	1,430,000
WORLD'S TOTAL	1,510,000	1,640,000	1,694,000	1,830,000	1,903,000	2,008,000

(a) Information not available.

(b) Amount estimated as recoverable.

(c) Estimated.

METAL PRODUCTION OF LEAD
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) ..	2,100	3,000	4,100	(f) 4,700	(f) 6,600	6,800
Northern Rhodesia ..	13,945	13,685	13,970	12,600	11,510	15,000
Canada	130,490	151,806	144,643	163,342	147,993	148,200
India	593	626	859	1,132	1,694	1,789
Australia (d) (f) ..	184,374	197,547	197,630	194,348	206,518	238,555
TOTAL	331,500	366,700	361,200	376,100	374,300	410,300
FOREIGN COUNTRIES						
Austria (c)	9,426	10,738	10,971	10,240	10,984	9,956
Belgium (c)	77,580	61,113	69,530	74,232	75,145	70,768
Czechoslovakia (b) ..	5,500	5,500	6,000	6,000	8,000	8,000
France	53,580	60,269	47,218	53,508	53,920	60,446
Germany—Federal ..	53,689	65,567	74,862	91,218	106,073	108,486
do. East (b) (c) ..	10,000	12,000	16,600	17,800	26,000	30,000
Greece	4,019	3,324	5,261	4,356	5,640	(b) 6,000
Italy	28,011	36,877	35,904	33,759	37,394	36,741
Poland (b)	17,100	20,000	20,000	21,000	21,000	21,000
Portugal	299	582	713	1,048	869	990
Roumania (b)	4,000	4,000	4,000	4,000	5,000	5,000
Spain	32,499	39,928	44,005	45,808	50,440	55,781
Sweden	10,587	16,417	9,160	10,905	15,898	19,774
U.S.S.R. (b)	103,000	125,000	170,000	200,000	240,000	275,000
Yugoslavia	55,864	56,301	59,119	66,119	69,678	65,675
Morocco (French) ..	—	—	18,100	27,800	27,000	26,628
Tunis	19,190	23,164	22,544	25,103	26,849	26,761
Guatemala	67	267	59	311	648	(a)
Mexico (f)	208,301	226,959	215,307	233,243	210,893	205,863
United States (e) ..	424,877	450,937	370,204	421,830	417,610	434,486
Argentina	17,752	18,700	23,700	19,600	12,800	25,600
Bolivia (exports) ..	—	—	505	20	677	1,446
Peru	36,650	31,451	43,655	49,472	58,168	56,906
Burma	846	—	148	1,812	8,609	10,944
China (b)	(a)	4,000	5,000	6,000	6,000	6,000
Japan	7,476	9,826	10,570	14,917	17,444	25,818
Korea (South)	98	(a)	(a)	124	50	(a)
TOTAL	1,180,000	1,280,000	1,280,000	1,440,000	1,510,000	1,590,000
WORLD'S TOTAL ..	1,512,000	1,647,000	1,641,000	1,816,000	1,884,000	2,000,000

(a) Information not available.

(b) Estimated.

(c) Including secondary metal.

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

Year	Long tons	Year	Long tons
1949	32,621	1952	37,709
1950	37,021	1953	34,050
1951	31,872	1954	38,146

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

Year	Long tons	Year	Long tons
1949	368,021	1952	420,798
1950	430,603	1953	434,587
1951	462,598	1954	429,397

(f) Revised.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	770	448	1,126	9,385	(f) 7,055	7,195
Sheets and pipes	1,604	2,428	2,399	1,668	1,154	1,105
White lead	2,483	4,846	4,133	1,389	1,403	1,523
Litharge, red lead, etc.	3,276	6,067	4,802	3,304	3,036	3,789
Nigeria—						
Ore and concentrates ..	(a)	(a)	(a)	(a)	(a)	154
Northern Rhodesia—						
Pig, bar and ingot	12,347	12,379	11,568	10,716	11,915	13,306
South West Africa—						
Copper-lead-vanadate ores and concentrates (b)	79,440	72,761	(c) 38,528	(c) 54,824	(c) 58,154	(c) 61,521
Southern Rhodesia—						
Ore	—	12	—	—	63	—
Tanganyika—						
Concentrates (Pb content)	—	642	1,537	2,371	2,755	2,118
Uganda—						
Ore	(a)	53	12	2	—	68
Union of South Africa—						
Ore	363	532	869	580	205	—
Pig, ingot and sheets ..	151	144	76	88	99	(a)
Canada—						
Ore (Pb content)	17,760	17,210	17,543	21,399	55,074	53,350
Pig-lead, etc.	101,369	102,828	94,407	115,840	91,857	103,937
Scrap	1,702	1,602	1,269	4,655	467	777
Pipes and tubes	242	85	62	44	56	25
White lead	524	926	2,576	376	1	5
Hong Kong—						
Ore and concentrates ..	(a)	(a)	(a)	850	595	335
Crude and refined unwrought (incl. alloys) (d)	2,035	247	1,022	248	154	223
Scrap (d)						
Bars, sheets, pipes, etc. (d)	692	294	1,030	179	1	15
Malaya (including re-exports)—						
Pig-lead	732	1,602	1,111	266	846	848
Sheets and pipes	3	8	9	12	75	35
Australia—						
Ores and concentrates (Pb content)	5,615	7,926	14,490	22,758	39,864	50,241
Matte (Pb content)	2	1	—	—	—	—
Pig-lead	104,719	125,630	106,180	141,431	148,433	159,328
Base bullion	37,734	34,074	33,138	31,414	42,338	36,153
Scrap	2,536	39	2	35	12,146	13,680
Sheets and pipes, etc. ..	331	434	845	202	213	1,224
White lead	442	623	781	1,181	(e) 361	(e) 429
New Zealand—						
Scrap	526	463	369	1,143	933	833
Irish Republic—						
Ore	371	502	1,573	2,762	2,413	1,700
Scrap	(a)	(a)	(a)	1,474	1,982	(a)

(a) Information not available.

(b) For copper and vanadium contents see under appropriate headings. Also includes some zinc up to 1951.

(c) Pb content.

(d) Including re-exports.

(e) Years ended June 30 of that stated.

(f) Revised.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Austria—						
Pig-lead, alloys etc. ..	2,913	2,291	1,614	2,362	3,225	3,021
Scrap	22	34	—	—	—	27
Red and white lead etc.	121	604	16	78	38	371
Belgium-Luxemburg						
E.U.—						
Pig-lead	47,427	44,887	46,756	59,490	49,179	48,190
Scrap	105	70	148	111	68	176
Sheets, bars, pipes and wire	3,453	6,796	7,913	3,513	3,240	4,083
Red and white lead, etc.	3,273	5,029	2,860	1,548	2,917	3,784
Denmark—						
Pig-lead	2,978	5,205	5,640	7,026	4,172	6,233
Scrap	372	698	338	199	207	551
Sheets and pipes ..	9	13	59	9	21	—
France—						
Ore	1,338	2,211	753	235	1,175	367
Pig-lead, including argentiferous and antimonial	17,085	20,927	2,846	6,414	11,373	14,471
Scrap	158	40	22	10	2	2
Bars, sheets, alloys	1,054	786	1,250	1,026	640	1,149
Red and white lead, etc.	1,035	1,312	1,710	977	838	2,363
Germany (Federal)—						
Ore	886	10	—	—	—	—
Pig-lead, alloys and scrap	55,995	57,827	18,426	30,779	36,851	30,831
Sheets, pipes, wire, etc.	110	1,500	4,099	76	199	166
Red and white lead ..	2,072	6,944	10,436	5,799	7,264	10,313
Greece—						
Ore	(a)	(a)	(a)	1,227	1,771	2,150
Pig-lead	71	—	363	997	783	548
Italy—						
Ore	4,362	3,081	5,433	6,918	7,690	8,536
Pig-lead, scrap and alloys	3,002	692	1,041	870	30	67
Sheets, wire and alloys	217	219	—	375	1,558	17
Red and white lead ..	(a)	242	443	173	189	442
Netherlands—						
Pig-lead	1,816	1,512	1,907	2,986	4,480	9,124
Scrap	2,261	2,239	4,299	974	1,885	1,827
Sheets and wire	436	560	287	1,695	898	1,037
Red and white lead ..	380	742	698	695	543	1,153
Norway—						
Ore	544	395	804	522	1,081	887
Pig-lead	105	29	39	329	57	353
Scrap	549	755	741	1,090	1,275	1,395
Portugal—						
Ore	49	—	—	—	—	—
Pig-lead, etc.	—	28	23	2	5	12
Red and white lead ..	(a)	11	21	29	15	8
Spain—						
Pig-lead and scrap ..	2,815	12,631	15,913	11,889	20,146	(a)
Sheets, wire, etc. ..	403	582	1,115	2,886	1,528	(a)
Sweden—						
Ore	10,536	14,725	10,987	11,785	8,214	9,950
Pig-lead and scrap ..	1,696	3,757	662	1,583	5,087	5,933
Sheets and pipes	30	31	39	12	16	8
Red and white lead, etc.	207	111	99	128	403	464

(a) Information not available.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ores, etc.	176	648	839	662	652	1,139
Pig-lead, scrap, etc. ..	143	259	349	1,371	987	1,077
Sheets and pipes	25	2	12	1	4	8
Yugoslavia—						
Concentrates	(a)	5,869	—	492	(a)	(a)
Pig-lead	(a)	52,571	50,899	61,032	60,246	56,188
Scrap	(a)	50	163	353	680	554
Algeria—						
Ore	1,343	2,893	3,081	7,449	6,283	15,823
Pig-lead	232	72	65	13	81	2,136
Scrap	1,194	1,442	2,670	1,251	1,497	1,920
Red and white lead	—	9	3	1	3	3
French Equatorial Africa—						
Ore	5,285	3,740	3,937	5,905	8,744	6,937
Morocco (French)—						
Ore, matte and slag	55,900	55,035	52,653	67,615	71,070	73,815
Scrap, etc.	339	12,213	14,357	37,095	(a)	(a)
Morocco (Spanish)—						
Ore	138	656	648	1,281	(a)	(a)
Tunis—						
Ore	296	(a)	9	—	6	1,645
Pig-lead and bars	19,015	23,043	22,400	24,425	24,516	25,400
Guatemala (c)—						
Ore (<i>Pb content</i>)	685	1,892	2,731	4,132	4,181	2,469
Honduras (c)—						
Ore (<i>Pb content</i>)	213	312	—	681	30	1,187
Mexico—						
Ores and concentrates	20,988	6,322	8,666	4,096	15,267	2,702
Pig-lead, refined	179,957	248,333	163,854	198,537	202,422	197,864
Base bullion	—	1	1	93	144	300
Pig-lead, antimonial	5,874	8,819	11,729	3,678	2,553	2,357
<i>Pb content (b)</i>	175,712	241,178	154,847	231,447	204,991	205,646
United States—						
Ore, mattes and base bullion (<i>Pb content</i>)	1,443	119	498	746	927	91
Pig-lead, bars etc.	866	2,442	1,144	1,573	717	543
Scrap	667	1,407	530	67	2,416	3,476
Sheets and pipes	690	316	972	1,150	450	333
Red and white lead, etc. ..	2,766	2,657	2,134	2,093	2,208	2,294
Bolivia—						
Ore, etc. (<i>Pb content</i>)	25,895	30,684	30,076	29,539	23,412	16,493
Metal	—	—	505	20	677	1,446
Chile—						
Ore	114	—	551	7,969	(a)	(a)
<i>Pb content (d)</i>	3,400	2,346	8,194	10,181	5,364	(a)
Colombia—						
Ore	(a)	(a)	2	—	536	663
Ecuador—						
Concentrates	677	757	—	190	162	191
Peru—						
Ore and concentrates (<i>Pb content</i>)	16,569	28,164	39,023	46,326	42,491	48,670
Pig-lead (<i>Pb content</i>)—						
Pure	35,393	30,795	41,355	40,093	59,919	55,183
Impure	401	271	347	1,552	1,322	876

(a) Information not available.

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

(c) Imports into the United States.

(d) Total metal content of all ores (*not* additional) including complex ores not shown.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Iran—						
Ore	504	(b) 3,500	(a)	(a)	(a)	(a)
Japan—						
Pig-lead	24	17,735	233	138	113	437
Sheets and plates	(a)	{ 5,732 }	23	108	{ 22 }	18
Tubes .. .. .							1,079	37	24
Philippine Republic—						
Ores and concentrates..	450	1,023	516	1,559	4,083	2,270
Scrap	118	340	310	—	(a)	(a)
Siam—						
Ore	235	850	(a)	(a)	6,528	(a)
Turkey—						
Ore	492	—	953	101	1,914	1,378
Ingots	(a)	(a)	224	492	—	197
Old and scrap	(a)	(a)	148	—	—	—

(a) Information not available.
(b) Estimated.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	64	(a)	(a)	(a)	(a)	(a)
Pig-lead	186,395	171,686	175,196	113,598	161,435	192,301
Scrap, incl. alloys ..	1,910	2,559	1,294	4,376	10,008	7,766
Sheets and pipes ..	—	—	3	6	3	28
Litharge, red lead, etc.	50	—	164	35	2	62
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	16	(d) 1	(d) 72	(d) 63	(d) 8	(a)
White lead	1	—	—	32	—	(a)
Cold Coast—						
Bars, sheets, etc. ..	350	515	162	119	415	591
Kenya—						
Bars, sheets, pipes, etc.	17	25	36	31	5	8
Mauritius—						
Pig-lead, sheets, pipes, etc.	23	28	13	17	33	45
Nigeria—						
Bars and sheets ..	169	135	153	40	103	236
Northern Rhodesia—						
Sheets, pipes and foil	31	59	30	16	77	(b)
White lead	—	5	11	5	1	(b)
Sierra Leone—						
Bar and sheets ..	5	16	8	6	5	4
Southern Rhodesia—						
Pig-lead, bars, sheets and foil	142	242	397	198	147	(c) 235
Red and white lead, etc.	71	28	52	42	30	(c) 31
South West Africa—						
Bars, sheets and pipes ..	28	17	11	14	15	(a)
Red and white lead, etc.	8	2	1	1	—	(a)
Tanganyika—						
Bars, sheets and pipes, etc.	8	8	3	24	3	15
Uganda—						
Bars, sheets, pipes, etc.	3	5	30	2	1	2
Union of South Africa—						
Pig-lead and bars ..	7,120	11,161	14,949	8,428	10,140	11,238
Sheets and pipes ..	104	40	67	76	130	(a)
Foil	2	1	2	2	2	(a)
Litharge, red and white lead	1,022	833	323	131	312	(a)
British West Indies—						
Jamaica—						
Pig-lead, pipes, etc.	104	56	56	52	91	243
Trinidad and Tobago—						
Pig-lead	(d) 72	14	(d) 8	(d) 1	1	7
Red and white lead, etc.	475	61	99	61	139	60
Canada—						
Pig-lead and scrap ..	2,317	1,257	(d) 78	433	252	126
Bars, sheets and pipes ..	6	17	2	3	27	27
White lead, red lead and litharge	304	727	594	587	860	1,001

- (a) Information not available.
(b) See under Southern Rhodesia.
(c) Federation of Rhodesia and Nyasaland.
(d) Excess of re-exports.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Ceylon—						
Pig-lead	22	19	13	13	45	—
Sheets and pipes	6	33	25	9	29	20
Tea-lead	4	—	2	—	6	5
Cyprus—						
Sheets and pipes, etc.	10	18	122	34	36	25
Hong Kong (total imports)—						
Ore and concentrates ..	(a)	(a)	(a)	58	—	—
Crude and refined unwrought (incl. alloys) ..	674	226	375	52	147	361
Scrap				98	29	20
Bars, sheets, pipes, etc.	368	235	1,120	48	36	69
India—						
Ore	6	31	214	56	83	99
Pig-lead, bars, etc. ..	6,180	14,814	7,680	4,092	5,169	10,945
Sheets, pipes and tubes	430	207	177	191	156	38
Tea-lead	—	71	4	—	3	—
Litharge, red and white lead, etc.	40	277	17	89	5	45
Malaya (total imports)—						
Pig-lead	198	43	142	279	205	105
Sheets, pipes etc. ..	46	70	136	97	78	75
Pakistan (b)—						
Ore	(a)	(a)	5	106	79	106
Pig-lead, bars, etc. ..			132	416	5	60
Sheets, pipes and tubes			58	(a)	(a)	(a)
Litharge, red and white lead, etc.			85	275	451	298
Australia—						
Sheets and pipes, etc.	5	19	19	43	—	—
Litharge, red and white lead, etc.	(c) 216	(c) 95	471	107	43	(c) 23
Fiji—						
Pig-lead and sheet ..	17	20	87	26	12	6
New Zealand—						
Pig-lead, bars, etc. ..	1,886	3,790	3,295	2,423	4,399	3,187
do. antimonial	22	83	64	124	81	599
Sheets and pipes	74	123	34	33	1	5
Litharge, red and white lead etc.	3,319	3,782	3,493	2,307	1,702	1,961
Irish Republic—						
Pig-lead etc.	844	1,445	1,174	168	985	1,212
Sheets and pipes	587	687	1,103	330	101	173
Red and white lead ..	433	427	521	116	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	2,835	2,953	2,933	4,473	4,449	4,862
Pig-lead, alloys, etc. ..	3,998	1,620	6,645	2,647	5,311	9,668
Scrap	257	218	31	15	46	15
Belgium-Luxemburg E.U.—						
Ore	97,499	81,754	96,761	125,128	104,412	86,084
Pig-lead	20,489	32,130	27,061	19,180	22,025	21,506
Antimonial lead	1,341	845	198	302	150	84
Scrap	10,930	3,158	7,423	1,641	536	416
Sheets, bars, pipes and wire	—	30	—	69	8	20
Red and white lead, etc.	442	898	765	526	891	1,395

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Pig-lead	9,342	15,976	15,396	11,403	12,244	16,392
Scrap	1,361	1,736	3,853	3,276	4,962	5,467
Sheets, pipes and wire	61	28	54	152	106	83
Red and white lead ..	505	1,009	865	455	654	751
Finland (total imports)—						
Pig-lead	4,960	5,667	6,149	7,130	6,467	12,401
Scrap	—	—	219	—	—	14
Sheets, pipes, wire, etc.	432	631	1,110	616	292	465
Red and white lead, etc.	896	1,648	2,562	909	494	1,081
France—						
Ore	27,436	43,414	49,593	58,209	68,138	84,365
Pig-lead, including argentiferous and antimonial	22,685	29,106	37,640	50,933	40,108	49,227
Scrap	1,706	1,448	3,484	2,349	2,425	7,416
Sheets, etc.	16	8	145	86	3	22
Red and white lead, etc.	476	754	3,866	2,305	1,770	3,641
Germany—						
Ore	2,322	29,173	39,310	55,830	56,062	80,613
Pig-lead, scrap and alloys	1,327	3,791	7,077	6,687	20,346	58,418
Sheets, pipes, wire, etc.	32	2	—	1	—	4
Red and white lead, etc.	148	142	11	19	108	351
Iceland—						
Pig-lead	18	9	10	16	49	(a)
Red and white lead ..	5	14	43	21	22	(a)
Italy—						
Ore	574	1	2,321	—	194	2,096
Pig-lead, scrap and alloys	10,003	8,768	8,816	10,055	13,622	24,754
Netherlands—						
Ore	5,273	9,356	4,280	2,374	1,594	5,996
Pig-lead	36,904	29,221	25,342	21,252	34,689	43,798
Scrap	32	86	327	531	955	1,339
Sheets and wire	7	1,819	2,139	807	583	995
Red and white lead ..	5,714	6,591	4,490	2,450	2,658	4,293
Norway—						
Pig-lead	5,929	7,488	7,397	7,403	7,589	9,693
Bars and sheets	1,007	892	608	909	931	1,143
Tubes, wire, etc. .. .	462	331	386	295	273	275
Red and white lead ..	760	749	587	313	511	533
Portugal—						
Pig-lead, alloys, etc. ..	2,031	1,434	1,536	947	1,752	1,967
Red and white lead, etc.	(a)	162	201	187	171	202
Spain—						
Ore	—	549	10	—	—	(a)
Pig-lead and scrap ..	130	197	1,258	790	285	(a)
Sweden—						
Pig-lead	10,933	11,996	16,804	11,517	13,327	13,415
Scrap	389	420	79	231	531	397
Sheets and pipes	1,075	1,737	3,530	2,008	1,490	1,463
Red and white lead ..	1,782	4,235	2,906	1,410	1,825	2,393
Switzerland—						
Ores, etc.	—	1	—	2	3	—
Pig-lead, scrap, etc. ..	16,082	19,299	14,376	9,669	11,167	15,425
Sheets, pipes, wire, etc.	302	668	604	378	618	959
Red and white lead ..	594	829	1,001	350	356	454

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Ore, matte and slags ..	29	24	24	37	6,651	25
Pig-lead	2,691	2,705	2,837	3,188	3,132	4,541
Scrap	35	50	23	—	122	56
Red and white lead, etc.	198	200	213	179	201	181
Belgian Congo—						
Pig-lead and scrap ..	(a)	(a)	(a)	(a)	1,255	47
Red and white lead ..	(a)	(a)	(a)	(a)	167	116
Egypt—						
Pig-lead and scrap ..	345	20	100	139	208	38
Sheets, pipes, wire, etc.	739	283	109	341	212	109
Red and white lead ..	398	547	274	203	492	390
Morocco (French)—						
Pig-lead, sheets and wire	125	91	(a)	1	(a)	(a)
Mozambique—						
Bars, sheets and wire ..	40	38	90	36	16	(a)
Tunis—						
Ore	5,599	6,149	2,368	8,620	3,244	924
Pig-lead, bars and scrap	7	(a)	—	(a)	—	4
Red and white lead, etc.	—	(a)	20	(a)	15	33
Cuba (total imports)—						
Pig-lead	231	230	192	(a)	(a)	(a)
Sheets, pipes and wire ..	265	285	341	(a)	(a)	(a)
Mexico—						
Pig-lead	10	14	15	12	9	15
Sheets and pipes ..	105	65	122	158	55	14
United States—						
Ore, matte and flue dust (Pb content)	109,179	86,206	29,155	98,529	61,400	176,920
Bullion and base bullion (Pb content)	1,014	1,196	41	2,635	662	37
Pig-lead and bars (Pb content)	243,248	387,826	159,729	455,998	338,429	244,899
Scrap (Pb content) ..	12,505	20,264	7,060	10,204	3,489	6,640
Sheets, pipes, wire, etc.	158	185	228	10	159	354
Red and white lead, etc.	271	992	4,194	952	55	559
Argentina—						
Ore	1,130	3,607	(a)	48	458	—
Pig-lead	10	7	(a)	2,391	1,998	—
Brazil (total imports)—						
Pig-lead	15,001	19,426	22,204	9,858	20,748	26,054
Sheets and pipes ..	376	(a)	464	134	81	30
Red and white lead ..	990	(a)	339	491	68	817
Chile—						
Pig-lead	1,028	1,499	886	422	1,183	1,280
Bars and sheets ..	133	118	250	370	(a)	(a)
Red and white lead ..	100	152	57	53	(a)	(a)
Colombia—						
Ingots, bars, tubes and alloys	448	773	512	395	428	681
Red and white lead ..	116	69	133	69	171	170
Peru—						
Pig-lead, sheets, etc. ..	22	6	45	46	7	20
Red and white lead ..	142	204	126	101	111	202
Uruguay—						
Pig-lead	615	2,860	1,367	867	1,753	(a)
Red and white lead, etc.	272	303	199	79	225	(a)

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Venezuela—						
Pig-lead	355	1,097	(a)	344	481	(a)
Red and white lead ..	80	193	(a)	139	180	(a)
Iran (total imports) (b)—						
Ingots, sheets and wire	12	82	14	14	3	(a)
Israel—						
Pig-lead	105	201	174	27	10	529
Sheets and pipes	91	45	3	2	20	74
Red lead	166	90	161	131	70	213
Japan—						
Ore	(a)	35	510	19	1,912	16,361
Pig-lead	12,932	(a)	7,100	1,192	2,289	14,120
Scrap	(a)	11	1,703	469	4,880	4,187
Red and white lead ..	(a)	(a)	303	2	4	10
Philippine Republic—						
Pig-lead	326	515	135	188	532	483
Red and white lead ..	264	338	591	250	371	441
Syria—						
Pig-lead	(c) 256	37	23	(a)	(a)	(a)
Red and white lead ..	(c) 69	26	53	(a)	(a)	(a)
Turkey—						
Pig-lead and bars ..	684	2,038	320	1,696	2,408	2,100
Tubes and wire	95	200	119	638	223	492
Red and white lead ..	191	682	351	607	573	571

(a) Information not available.

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

(c) Syria and Lebanon.

LITHIUM MINERALS
PRODUCTION OF LITHIUM MINERALS
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia—						
Amblygonite	—	179	170	80	300	387
Lepidolite	—	—	1,567	1,101	6,859	24,026
Petalite	—	—	—	100	10,339	23,846
Spodumene	—	—	—	40	40	—
South West Africa—						
Amblygonite	116	261	516	637	302	1,046
Lepidolite	799	8,320	9,902	7,066	7,538	3,730
Petalite	120	161	155	1,048	1,427	1,729
Spodumene	—	—	—	—	1	1
Uganda—						
Amblygonite	200	265	19	—	16	7
Union of South Africa—						
Amblygonite	—	13	—	—	54	51
Australia—						
Petalite	5	—	—	—	—	15
FOREIGN COUNTRIES						
Portugal—						
Amblygonite	18	10	17	10	16	9
Lithium phyllite ..	—	6	49	—	—	—
Spain—						
Amblygonite	—	—	—	10	31	(a)
Belgian Congo—						
Amblygonite	—	—	—	—	—	365
Mozambique—						
Lepidolite	590	218	275	1,083	5,622	—
United States (b)—						
Lithium minerals and compounds	4,320	8,309	11,515	13,938	24,321	(a)

Lithium minerals are known to have been produced in Argentina.

(a) Information not available.

(b) Shipments.

EXPORTS OF LITHIUM MINERALS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia—						
Lithium minerals ..	—	187	3,312	1,866	17,079	25,625
South West Africa—						
Amblygonite	245	85	94	459	400	710
Lepidolite	1,084	6,947	8,258	7,225	8,982	3,491
Petalite	4	230	284	1,255	1,322	740
Uganda—						
Amblygonite	200	265	19	—	16	7
FOREIGN COUNTRIES						
Portugal—						
Lithium minerals ..	(a)	(a)	(a)	27	29	—
Belgian Congo—						
Spodumene	—	—	5	—	—	32
Mozambique—						
Lepidolite	(a)	(a)	(a)	(a)	4,950	—

(a) Information not available.

Imports of lithium minerals are not recorded separately in the trade returns of any principal importing country.

MAGNESITE AND DOLOMITE
PRODUCTION OF MAGNESITE AND DOLOMITE
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Magnesite—						
Caustic (b) ..	—	—	2,500	7,478	7,800	1,122
Dead-burnt (b) ..	42,500	39,600	48,300	58,023	71,700	71,989
Dolomite, crude ..	1,357,149	1,420,435	1,393,536	1,563,111	1,740,504	1,866,754
Kenya—						
Magnesite, crude ..	10	178	—	—	—	—
Southern Rhodesia—						
Magnesite, crude ..	7,519	8,479	14,580	10,779	9,664	6,957
Dolomite ..	—	—	—	5,344	4,875	3,554
Tanganyika—						
Magnesite, crude ..	—	82	2,673	—	—	—
Union of South Africa—						
Magnesite, crude ..	10,321	11,596	18,477	24,023	22,526	23,995
Canada—						
Calcined magnesitic dolomite (c) ..	£408,843	£565,092	£826,364	£994,603	£1,103,391	£1,468,380
Cyprus, (exports)—						
Magnesite, crude ..	20	20	20	20	20	—
India—						
Magnesite, crude ..	90,564	52,859	117,466	89,041	92,748	70,507
Australia—						
Magnesite, crude ..	33,590	35,392	38,134	42,137	46,397	43,152
Dolomite ..	43,443	74,683	74,064	96,464	99,642	127,994
New Zealand—						
Magnesite, crude ..	559	341	580	579	517	720
Dolomite ..	4,210	665	982	1,255	1,316	2,025
FOREIGN COUNTRIES						
Austria—						
Magnesite—						
Crude ..	519,444	542,065	654,339	729,876	799,975	825,900
Caustic (d) ..	76,784	73,385	76,468	87,419	102,169	87,705
Dead-burnt (d) ..	176,576	179,588	211,813	255,595	276,156	265,440
Bricks (d) ..	107,315	110,054	132,697	161,243	187,546	163,882
Belgium—						
Dolomite—						
Crude ..	(a)	150,312	188,720	175,610	201,789	179,685
Calcined ..	(a)	158,934	165,193	210,900	199,590	207,345
France—						
Dolomite, crude ..	210,628	305,000	345,000	300,000	310,000	320,000
Germany (Federal)—						
Magnesite ..	(a)	1,290	(a)	(a)	(a)	(a)
Greece—						
Magnesite—						
Crude ..	16,820	25,841	59,917	78,137	105,249	(e) 120,000
Calcined (d) ..	1,996	9,435	25,656	26,339	25,108	(e) 30,000

- (a) Information not available.
(b) Magnesia extracted from sea-water.
(c) Including brucite.
(d) Derived from crude shown and not additional.
(e) Estimated.

PRODUCTION OF MAGNESITE AND DOLOMITE (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Italy—						
Magnesite, crude ..	723	270	1,015	1,009	(a)	(a)
Dolomite, crude ..	141,024	178,790	202,708	224,330	(a)	(a)
Luxemburg—						
Dolomite, calcined ..	5,741	6,107	8,802	8,893	5,635	6,274
Norway—						
Magnesite—						
Crude	1,090	1,821	1,430	1,003	1,830	817
Calcined (b)	528	844	480	575	405	300
Bricks (b)	219	64	200	146	68	83
Dolomite	38,204	41,510	55,810	101,029	108,248	92,584
Spain—						
Magnesite	6,585	7,511	13,516	12,426	14,868	27,188
Dolomite, crude (c) ..	85,724	102,245	120,898	64,700	149,836	105,243
Sweden—						
Dolomite, crude ..	(a)	(a)	(a)	(a)	(a)	93,773
Yugoslavia—						
Magnesite, crude ..	86,000	58,333	88,495	37,185	120,582	106,312
United States—						
Magnesite—						
Crude	256,531	383,386	598,363	456,027	493,881	253,585
Caustic (sales) (b) ..	29,022	37,006	44,626	33,978	38,411	28,798
Dead-burnt (sales) (b)	223,562	299,500	385,890	345,422	356,368	257,384
Dolomite, crude (d) ..	3,379,000	4,380,000	4,912,000	4,533,000	5,171,000	(a)
Argentina—						
Dolomite	7,903	(a)	(a)	(a)	(a)	(a)
Brazil—						
Dolomite (e)	(a)	(a)	55,908	56,579	53,031	(a)
Venezuela—						
Magnesite, crude ..	—	1,379	—	—	(a)	(a)
Formosa—						
Dolomite	(a)	(a)	(a)	(a)	2,632	3,232
Japan—						
Dolomite	349,543	480,297	642,478	656,566	711,720	(a)
Turkey—						
Magnesite	6,269	443	497	878	(a)	1,048

Magnesite is known to have been produced in Czechoslovakia, U.S.S.R., Korea and Manchuria. Dolomite is known to have been produced in other countries.

(a) Information not available.

(b) Derived from crude shown and not additional. The United States also includes some from other sources, e.g. sea-water, brucite, dolomite.

(c) In addition the following amounts were obtained from quarries (cubic metres): 1949—46,472; 1950—51,887; 1951—57,101; 1952—38,998; 1953—74,169.

(d) Including dolomitic lime calculated as raw stone.

(e) Production not available; figures relate to consumption.

PRODUCTION OF MAGNESIUM
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b) ..	2,620	2,989	4,927	4,620	5,313	4,978
Canada (c)	—	1,600	4,000	5,000	5,000	4,500
FOREIGN COUNTRIES						
France	484	401	860	1,072	1,066	1,132
Germany (East) (d) ..	—	—	—	—	500	1,000
Italy	—	(a)	120	964	1,425	1,640
Norway	—	—	—	302	3,440	4,628
Switzerland (c)	—	250	250	300	300	300
U.S.S.R. (d)	15,000	20,000	30,000	40,000	44,000	50,000
United States	10,355	14,041	36,501	94,483	83,103	62,258
WORLD'S TOTAL ..	29,000	39,000	77,000	147,000	144,000	130,000

(a) Information not available.

(c) Estimated.

(b) Including re-melt alloys.

(d) Metallgesellschaft estimate.

EXPORTS OF MAGNESITE, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Magnesium and alloys	1,126	387	420	703	276	247
Magnesium compounds	8,572	10,469	13,415	12,111	14,875	16,060
Southern Rhodesia—						
Crude and calcined ..	3,742	2,964	11,668	13,089	8,241	6,749
Tanganyika—						
Magnesite	—	82	2,651	—	57	78
Union of South Africa—						
Crude and calcined ..	—	255	304	—	—	—
Canada—						
Basic refractory materials	1,819	2,323	4,377	2,643	4,108	7,042
Cyprus—						
Crude	20	20	20	20	20	—
India—						
Magnesite	37,099	17,047	49,085	41,279	42,533	25,363
Chloride	2,905	1,653	1,986	1,650	1,557	318
Australia—						
Crude and calcined ..	—	36	64	91	98	107
Sulphate	317	155	113	190	(b) 74	(b) 16
FOREIGN COUNTRIES						
Austria—						
Crude	78	214	420	984	118	1,075
Caustic	32,944	48,490	61,452	59,399	70,872	75,180
Dead-burnt	78,693	69,242	82,417	80,316	71,334	77,606
Bricks	88,157	93,906	103,156	134,992	155,788	129,274
Dolomite	295	620	980	3,591	1,265	1,437
Belgium-Luxemburg						
E.U.—						
Crude	162	379	431	39	21	7
Calcined	24	263	20	20	11	1
Carbonate	7	2	1	—	—	1
Chloride	137	18	57	36	—	4
Sulphate	117	203	214	38	11	25
Dolomite, crude ..	4,268	48,987	68,792	13,549	8,185	6,723
do. ground	1,132	256	44	456	25	904
do. calcined ..	148,351	116,154	122,943	126,181	112,853	109,732
France—						
Crude and calcined ..	117	48	189	210	78	77
Magnesium metal (c) ..	74	720	606	167	219	160
Magnesium compounds	4,370	8,765	9,391	4,682	4,586	5,238
Dolomite, crude ..	1,778	3,560	3,546	3,873	3,934	6,511
do. calcined	104	72	342	530	542	2,137
Germany—						
Crude and calcined ..	20	108	260	357	860	895
Carbonate, oxide, etc.	36	428	356	449	569	1,098
Chloride	8,436	12,050	16,047	10,801	11,897	13,290
Sulphate	18,570	17,177	22,297	19,122	27,973	35,431
Dolomite	(a)	(a)	(a)	96,962	85,278	81,689
Greece—						
Crude	787	1,977	18,368	16,616	14,713	12,643
Caustic	78	4,443	22,378	22,593	15,378	35,889
Italy—						
Magnesium metal ..	171	487	3,891	1,976	898	1,583
Crude	14	3	39	1	358	501
Caustic	129	118	87	63	21	1
Carbonate	65	66	109	70	124	35

*Magnesite unless otherwise stated.

(b) Years ended June 30 of that stated.

(a) Information not available.

(c) Including alloys and scrap.

EXPORTS OF MAGNESITE, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Calcined	7,475	18,898	17,077	15,917	14,651	15,191
Sulphate	(a)	921	551	828	731	660
Norway—						
Crude	38	—	30	20	—	—
Bricks	149	83	170	119	53	(a)
Sweden—						
Crude and calcined ..	28	10	—	—	—	—
Yugoslavia—						
Crude	(a)	661	16,283	814	3,966	2,764
Ground and dead-burnt	(a)	15,820	18,781	13,560	28,352	36,776
Mexico—						
Crude and calcined ..	—	—	—	55	56	2
United States—						
Magnesium metal (b) ..	386	523	513	952	2,431	2,764
Brazil	(a)	955	3,100	4,570	4,511	472
Peru—						
Sulphate	482	595	335	231	378	923
Turkey—						
Crude	3,149	591	—	591	—	—
Calcined	321	—	—	—	(a)	(a)

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Crude and calcined ..	28,563	21,648	22,967	21,601	22,705	20,619
Magnesium and alloys	87	(a)	(a)	(a)	(a)	(a)
Chloride	8,738	5,868	8,401	6,070	7,498	10,327
Other salts	(d) 1	369	2,045	2,691	(a)	(a)
Union of South Africa—						
Carbonate	3,254	3,237	10,415	13,132	8,278	(a)
Chloride	186	227	266	277	157	(a)
Sulphate	19	86	141	605	671	(a)
Canada—						
Magnesium alloys ..	(£16,956)	(£20,077)	(£38,438)	(£50,089)	(£52,077)	(£36,610)
Calcined and dead-burnt	4,182	5,337	5,821	9,177	6,072	5,118
Carbonate and oxide ..	882	1,498	3,916	3,407	5,629	5,382
Sulphate	2,485	2,494	2,737	1,952	2,466	2,112
Bricks	(£129,434)	(£136,294)	(£167,124)	(£240,674)	(£344,715)	(£145,631)
Other salts	383	549	853	1,200	2,995	5,444
Hong Kong—						
Magnesite	(a)	(a)	(a)	15	5	—
India—						
Chloride	1	—	—	—	1	—
Sulphate	2	—	1	—	1	6
Other salts	621	252	776	601	626	390
Pakistan (c)—						
Chloride			60	43	158	139
Sulphate	(a)	(a)	911	399	439	354
Other salts			67	21	46	32
Australia—						
Crude and calcined ..	77	844	530	772	401	2,364
Oxide	71	86	81	53	(b) 48	(b) 38
Carbonate	169	228	237	202	(b) 19	(b) 234
Chloride	149	94	444	168	(b) 258	(b) 360
Sulphate	103	445	330	484	(b) 109	(b) 530
New Zealand—						
Magnesite	33	44	44	48	61	39
Sulphate	290	274	423	350	334	513
Other salts	59	133	324	112	136	213
Irish Republic—						
Magnesium salts ..	353	507	523	456	695	458
FOREIGN COUNTRIES						
Austria—						
Sulphate	5,197	6,077	7,941	5,023	5,505	6,488
Chloride	2,007	2,492	3,030	1,380	2,155	2,731
Dolomite	—	5	58	222	314	951
Belgium-Luxemburg						
E.U.—						
Crude	1,845	3,085	297	342	165	599
Calcined	579	479	2,667	4,058	2,428	1,711
Bricks	—	8,818	10,433	12,621	14,455	9,897
Magnesium metal ..	190	163	181	110	105	135
Carbonate	144	412	368	354	423	437
Chloride	466	652	576	575	613	693
Sulphate	1,748	1,697	2,372	1,772	2,643	2,948
Dolomite, crude ..	216	1,110	534	887	804	520
do. ground	15	39	101	207	492	205
do. calcined	189	1,311	6,406	7,228	4,951	4,694

*Magnesite unless otherwise stated.

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(d) Excess of re-exports.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Crude	1,311	1,592	1,818	1,546	970	1,147
Chloride	382	994	1,339	993	743	702
Oxide	334	358	515	81	168	77
Sulphate	427	521	416	498	954	977
Dolomite	4,117	5,811	6,358	6,493	6,052	7,580
Finland (total imports)—						
Crude and calcined ..	955	1,475	1,189	928	1,126	1,060
Oxide	13	15	68	18	20	38
Carbonate	298	72	292	67	102	243
Chloride	767	1,300	1,207	648	1,063	687
Sulphate	26	144	246	39	227	128
France—						
Crude	1,222	1,646	3,001	3,990	3,651	3,750
Calcined	16,923	11,843	16,187	17,525	19,560	14,954
Magnesium metal (b)	—	—	75	138	26	160
Carbonate	194	329	494	252	115	171
Chloride	—	22	232	94	141	150
Sulphate	—	520	1,115	1,165	1,464	1,649
Dolomite, crude ..	3,274	4,004	7,000	5,790	7,416	6,435
do. calcined ..	158,761	141,212	167,613	181,231	156,183	146,525
Germany (Federal)—						
Crude	48,644	86,820	109,316	130,994	166,421	3,695
Calcined						
Magnesium metal, crude and scrap ..	(a)	(a)	461	2,385	5,141	6,828
Dolomite	(a)	(a)	(a)	1,782	3,879	16,202
Italy—						
Crude	822	1,306	5,385	3,596	3,994	4,509
Caustic	7,748	10,689	10,541	13,606	13,679	8,961
Magnesium metal ..	25	42	29	98	94	34
Chloride	2,181	980	867	1,376	1,735	1,998
Sulphate	904	2,367	2,536	3,190	3,932	4,880
Netherlands—						
Crude	418	819	983	219	901	1,280
Calcined	12,981	21,406	18,600	19,044	15,766	19,132
Magnesium metal ..	26	84	53	98	132	108
Sulphate	5,094	7,860	5,899	3,518	5,766	6,207
Chloride	3,650	3,778	3,653	2,692	2,880	3,386
Dolomite, crude ..	2,567	4,860	4,377	3,797	4,215	7,711
do. calcined ..	20,805	22,766	20,942	21,763	25,034	28,981
do. ground	—	—	1,255	2,605	3,958	2,255
Norway—						
Calcined	1,110	783	1,013	649	618	493
Chloride	869	3,390	3,501	1,326	463	1,779
Dolomite	19	12	102	90	227	(a)
Portugal—						
Crude and calcined ..	170	55	129	184	146	228
Carbonate	74	63	102	39	71	101
Chloride	49	44	72	69	50	70
Oxide	13	8	309	334	421	543
Sulphate	698	729	1,098	769	990	1,231
Sweden—						
Crude and calcined ..	2,616	2,212	2,080	2,172	1,234	1,400
Bricks	11,192	11,364	11,260	12,140	14,507	12,159
Magnesium metal ..	17	159	332	323	222	165
Chloride	1,673	1,579	1,550	982	1,130	1,040
Yugoslavia—						
Calcined and ground ..	(a)	7,273	7,149	6,276	605	28
Bricks	(a)	4,460	1,681	4,793	6,399	3,685
Magnesium metal ..	(a)	95	60	77	58	99
Algeria—						
Calcined	13	9	8	24	8	7
Dolomite	521	104	645	784	916	907

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Belgian Congo—						
Calcined	(a)	470	417	892	1,921	1,116
Sulphate	(a)	732	547	449	522	331
Chloride	(a)	106	2	1	1	4
Egypt—						
Magnesite and dolomite	(a)	1,601	1,407	2,060	2,815	3,071
Sulphate	447	618	1,049	120	343	186
Cuba (total imports)—						
Calcined	78	77	147	(a)	(a)	(a)
Carbonate	36	144	107	(a)	(a)	(a)
Mexico—						
Crude	3,778	4,063	3,402	6,032	5,312	4,296
Calcined	(a)	(a)	31	62	22	296
Magnesium metal ..	314	376	326	373	346	379
Sulphate	(a)	(a)	50	43	27	102
United States—						
Crude	—	8	—	13	—	—
Calcined	1,324	1,898	3,743	1,803	2,422	2,177
Dead-burnt	2,206	12,607	25,701	21,847	35,087	60,904
Bricks	1,612	2,745	4,033	5,236	5,622	6,473
Magnesium metal, etc.	2,286	753	3,456	225	2,181	626
Oxide	—	—	—	6	—	1
Carbonate, precipitated	171	209	173	163	226	178
Chloride	5	7	2	1	284	227
Sulphate (incl. Kieserite)	409	3,187	2,631	5,450	8,249	15,656
Argentina—						
Carbonate	231	270	(a)	479	135	305
Chloride	189	34	(a)	60	30	68
Oxide	13	34	(a)	10	1	1
Brazil (total imports)—						
Oxide	134	(a)	27	32	15	117
Sulphate	44	(a)	170	1,032	59	677
Chile—						
Crude	233	616	6,436	887	(a)	(a)
Calcined	11	6	5	28	(a)	(a)
Sulphate	15	108	150	1	(a)	(a)
Colombia—						
Calcined	(a)	(a)	4	6	33	1,294
Carbonate	(a)	(a)	19	8	12	18
Chloride	(a)	(a)	30	5	2	29
Oxide	(a)	(a)	49	46	125	70
Sulphate	(a)	(a)	582	145	176	319
Peru—						
Crude and calcined ..	606	1,189	1,202	602	1,115	1,941
Carbonate	22	2	2	7	11	26
Oxide	3	1	2	3	2	4
Hydroxide	41	29	29	18	34	39
Sulphate	4	19	51	28	16	313
Chloride	1	2	—	2	2	3
Venezuela—						
Sulphate	136	122	(a)	104	131	(a)
Japan—						
Crude and calcined ..	76,355	19,040	99,479	41,367	77,960	40,412
Magnesium metal ..	(a)	1	1	80	426	1,024
Syria and Lebanon—						
Ground and calcined ..	10	10	20	(a)	(a)	(a)
Turkey—						
Calcined	12	29	—	—	3	—
Carbonate, chloride, etc.	123	209	131	196	252	203
Oxide	4	21	11	16	12	12
Sulphate	43	197	155	219	656	218

(a) Information not available.

MANGANESE
PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	Estimated Manganese Content					
	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gold Coast (exports)	741,069	711,366	806,080	794,192	745,990	460,245
Northern Rhodesia	3,975	1,723	—	3,926	7,129	16,920
Southern Rhodesia	164	—	—	1,411	—	16
South West Africa	—	978	6,456	26,088	36,299	30,416
Union of South Africa	644,831	778,449	746,888	860,828	814,588	690,059
India	645,825	882,929	1,292,375	1,462,264	1,902,238	1,413,847
Australia	13,087	14,869	7,969	7,069	32,943	28,202
New Zealand	305	352	402	319	289	239
Papua	(c) 68	22	40	(a)	42	—
Fiji	(e) 100	(e) 240	(e) 631	(e) 2,010	(e) 2,186	9,899
TOTAL	2,038,000	2,391,000	2,862,000	3,158,000	3,542,000	2,650,000
FOREIGN COUNTRIES						
France	2,194	—	15,930	19,336	13,219	—
Greece	148	315	28,106	39,929	39,426	(f) 20,000
Italy	23,836	19,127	8,270	10,904	12,426	48,075
Portugal	516	758	24,000	(a)	(a)	9,489
Roumania (d)	64,000	24,000	(a)	(a)	(a)	(a)
Spain	18,356	18,702	20,461	28,043	33,236	31,392
Sweden	15,856	11,660	17,267	18,579	11,484	8,044
U.S.S.R. (f) (g)	3,000,000	3,800,000	4,500,000	5,000,000	5,200,000	5,300,000
Yugoslavia	13,618	13,127	12,665	12,487	9,859	9,070
Angola	18,300	9,161	45,462	54,224	64,824	31,129
Belgian Congo	12,054	16,722	69,825	125,957	213,242	378,857
Egypt (b)	136,380	149,766	152,910	187,991	279,597	174,727
France	—	—	—	—	—	—
Greece	—	—	—	—	—	—
Italy	—	—	—	—	—	—
Portugal	—	—	—	—	—	—
Roumania (d)	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	—	—
U.S.S.R. (f) (g)	—	—	—	—	—	—
Yugoslavia	—	—	—	—	—	—
Angola	—	—	—	—	—	—
Belgian Congo	—	—	—	—	—	—
Egypt (b)	—	—	—	—	—	—

(a) Information not available.

(b) Ore containing 30% Mn and 10% Fe.

(c) Year ended June 30 of year following that stated.

(d) U.S. Bureau of Mines.

(e) Exports.

(f) Estimated.

(g) Revised.

PRODUCTION OF MANGANESE ORE (cont.)

Producing Country	Estimated Manganese Content						
	1949	1950	1951	1952	1953	1954	1954
FOREIGN COUNTRIES							
Morocco (French)	230,132	282,828	366,354	419,583	422,664	394,116	197,200
Morocco (Spanish)	643	50	1,104	3,577	1,054	765	480
Cuba (b)	61,516	77,205	142,799	247,702	347,638	262,038	(a)
Mexico	53,465	34,725	77,939	140,538	240,949	(e)270,000	73,870
United States (c)	112,621	120,046	93,756	103,017	140,657	189,000	102,000
Argentina	1,847	(a)	(a)	2,300	5,000	1,200	2,200
Brazil	227,000	192,417	200,327	245,297	227,731	(e)250,000	(a)
Chile	28,414	34,960	38,483	52,997	53,793	(e)60,000	110,000
Peru	—	750	931	(e)1,400	(e)1,000	(e)4,000	23,988
Burma	(a)	(a)	(a)	6,500	8,580	3,714	689
Indonesia	(a)	(a)	(a)	7,709	18,111	11,238	3,200
Iran	(a)	(a)	(a)	(a)	5,622	5,354	(a)
Japan	104,354	136,876	182,091	204,101	191,327	161,215	(a)
Korea (South)	100	100	2,211	7,299	3,010	1,527	880
Philippine Republic	25,873	29,395	21,990	20,301	21,168	9,242	70,000
Portuguese India	15,964	21,644	84,073	109,312	148,417	104,246	80,000
Turkey	24,607	31,670	49,719	105,158	72,782	49,026	2,900
New Caledonia	2,070	5,307	19,817	16,377	5,503	—	1,200
TOTAL (f)	4,200,000	5,100,000	6,240,000	7,300,000	7,800,000	7,800,000	73,000
WORLD'S TOTAL (f)	6,240,000	7,500,000	9,100,000	10,460,000	11,340,000	10,450,000	600

Manganese ore is known to have been produced in Hungary and China; low-grade ore in Czechoslovakia.

(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): 1949—23,361; 1950—102,919; 1951—94,824; 1952—94,917; 1953—243,516; 1954—187,000.

(d) Exports. (e) Estimated. (f) Revised.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Metal	298	386	65	201	283	409
Ferro-manganese and spiegeleisen	9,267	2,530	1,437	1,785	950	8,903
Gold Coast—						
Ore	741,069	711,366	806,080	794,192	745,990	460,245
Northern Rhodesia—						
Ore	—	—	—	—	2,221	2,650
South West Africa—						
Ore	—	—	3,604	24,169	30,165	27,608
Union of South Africa—						
Ore	677,813	685,137	574,362	574,321	632,305	396,223
Canada—						
Spiegeleisen	500	316	—	—	508	—
Ferro-manganese	31,507	23,724	60,275	27,937	610	3,249
Hong Kong (re-exports)—						
Ore	12,585	1,015	—	239	—	—
Manganese dioxide ..	(a)	(a)	(a)	(a)	101	73
India—						
Ore (b)	613,907	919,895	1,106,953	1,462,224	1,761,420	1,110,610
Feruginous manganese ore	(a)	(a)	4,222	20,200	65,099	23,881
Australia—						
Ore	—	6	—	110	14,152	4,185
Fiji—						
Ore	100	240	631	2,010	2,186	5,707
New Zealand—						
Ore	110	—	—	—	—	—
Papua (c)—						
Ore	160	59	21	68	42	—
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Ferro-manganese ..	94	99	68	111	10	3,230
France—						
Ore	1,960	2,918	2,335	1,517	1,972	2,142
Manganese dioxide ..	23	111	45	436	328	362
Ferro-manganese ..	172	34,388	28,846	18,287	42,460	54,891
Germany (Federal)—						
Ore	138	103	160	80	554	1,573
Ferro-manganese ..	36	510	(d) 212	(a)	(a)	(a)
Greece—						
Ore	—	329	14,154	18,538	16,732	15,840
Italy—						
Ore, including mangani-ferous iron ore ..	72	5	49	78	—	39
Ferro-manganese ..	597	285	466	694	1,147	1,001
Netherlands—						
Ore, including mangani-ferous iron ore ..	2,022	2,394	2,319	4,888	4,401	3,772
Norway—						
Ferro-manganese ..	52,879	82,178	79,161	83,488	64,361	48,669
Ferro-silico-manganese	8,022	19,182	22,482	17,797	11,580	22,354
Portugal—						
Ore	2,460	2,370	10,370	4,073	13,947	3,445
Spain—						
Ore	103	—	6	5,708	—	(a)

(a) Information not available.

(b) Including manganese ore mined in India but exported via the Portuguese port of Mormugao as follows:—1949, 70,864 tons; 1950, 79,941 tons; 1951, 90,465 tons; 1952, 53,062 tons; 1953, (a); 1954, (a).

(c) Years ended June 30 of that stated.

(e) Sea-borne trade only.

(d) January to September only.

EXPORTS OF MANGANESE ORE, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	555	1,020	584	497	403	545
Ferro-manganese ..	725	981	369	365	364	824
Spiegeleisen	—	—	—	92	—	—
Ferro-silico-manganese	203	878	220	82	3	319
U.S.S.R.—						
Ore	(b)	(b)	(b)	(b)	(b)	(b)
Yugoslavia—						
Ferro-manganese ..	(a)	1,321	846	2,322	1,335	2,215
Silico-manganese ..	(a)	475	845	329	1,132	123
Angola—						
Ore	8,670	12,797	44,000	50,014	61,613	18,400
Belgian Congo—						
Ore	16,717	13,866	63,665	123,117	180,806	246,067
Egypt—						
Ore	127,298	105,282	236,410	165,245	209,428	(a)
Morocco (French)—						
Ore	221,250	263,048	352,729	360,279	402,324	323,804
Morocco (Spanish)—						
Ore	643	36	10	3,332	1,237	(a)
Cuba—						
Ore	57,323	85,008	149,294	231,222	366,500	231,003
Mexico—						
Ore	51,851	35,433	86,749	149,716	282,977	227,645
<i>Mn content</i>	23,396	14,247	28,059	44,322	74,523	81,859
United States—						
Ore	4,495	8,002	7,170	8,704	6,155	5,457
Ferro-manganese and spiegeleisen	5,917	841	641	1,327	993	1,546
Brazil—						
Ore	147,529	145,996	118,006	158,852	163,477	92,889
Chile—						
Ore	10,137	18,710	20,692	33,691	43,896	22,932
Manganese dioxide ..	2,121	1,471	2,831	1,328	(a)	(a)
Peru—						
Ore	—	750	1,367	3,784	4,640	3,596
Indonesia—						
Ore	984	3,248	7,410	17,074	30,608	11,256
Japan—						
Ore	(a)	101	79	1,673	244	248
Ferro-manganese ..	(a)	2,496	3,630	7,972	23,573	14,230
Philippine Republic—						
Ore	21,966	29,799	22,729	23,595	28,658	11,156
Portuguese India—						
Ore	11,005	21,644	63,399	137,463	203,889	101,795
Turkey—						
Ore	7,517	18,254	45,473	79,208	65,722	39,602
New Caledonia—						
Ore	2,302	1,813	20,917	17,037	7,530	—

(a) Information not available.

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

	1949	1950	1951	1952	1953	1954
Germany	(a)	(a)	—	—	71,479	787
Netherlands	(a)	—	1,968	—	2,332	582
Norway	15,181	30,158	19,749	17,285	42,573	(a)
Sweden	11,902	4,923	20,076	21,348	5,062	19,852
United States (total imports)	179,829	58,539	2,309	—	—	—

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore	470,575	401,628	381,148	430,576	493,691	500,380
Metal	6	40	86	59	8	15
Ferro-manganese and spiegeleisen	—	485	1,167	718	762	3,386
Silico-manganese	9,100	10,464	12,568	12,322	10,821	6,898
Union of South Africa—						
Ferro-manganese	83	18	39	56	90	(a)
Manganese dioxide	744	613	1,074	971	382	(a)
Canada—						
Ore	123,084	121,158	198,287	173,576	59,538	43,716
Ferro-manganese	1,327	908	261	1,454	932	7,613
Silico-manganese	18	73	302	136	16	17
Hong Kong (total imports)—						
Ore	7,574	342	267	24	—	8
Manganese dioxide	(a)	(a)	(a)	(a)	1,967	1,083
India—						
Ferro-manganese	(a)	(a)	(a)	(a)	580	6,197
Malaya (total imports)—						
Ore	180	—	170	1	778	1,655
Australia—						
Ore	21,808	15,061	2,830	65	1,231	1,199
Ferro-manganese	709	389	80	56	111	1,517
FOREIGN COUNTRIES						
Austria—						
Ore	13,571	7,307	24,501	19,725	4,301	10,000
Belgium-Luxemburg E.U.—						
Ore	161,295	45,102	111,874	124,575	111,155	99,287
Ferro-manganese	52,667	47,136	78,626	81,421	49,651	42,910
Ferro-silico-manganese	(a)	(a)	(a)	(a)	1,165	2,973
Denmark—						
Ore	1,127	1,560	2,771	1,978	2,543	2,499
Finland (total imports)—						
Ferro-manganese and spiegeleisen	1,030	696	1,637	1,186	1,165	1,620
Manganese dioxide	181	85	350	168	228	332
France—						
Ore	267,065	335,173	424,438	397,596	435,005	399,630
Ferro-manganese	148	102	153	479	563	2,686
Manganese dioxide	5	36	3	—	31	33
Germany (Federal)—						
Ore	60,624	147,677	260,978	177,512	415,656	177,723
Ferro-manganese	3,427	1,369	(b) 2,090	(a)	(a)	(a)
Italy—						
Ore, including manganese-ferrous iron ore	46,688	21,851	54,491	97,807	37,070	90,738
Spiegeleisen	—	1,537	3,329	4,064	2,162	1,129
Ferro-manganese	2,939	1,696	219	19	162	784
Ferro-silico-manganese	660	—	—	19	—	118
Netherlands—						
Ore	17,724	8,714	6,819	32,904	47,783	47,202
Norway—						
Ore	164,083	160,001	198,741	249,313	215,614	99,129
Spain—						
Ore	3,335	2,274	6,233	9,399	1,860	(a)
Ferro-manganese	2	3,476	866	4,403	5,460	(a)

(a) Information not available.

(b) January to September only.

IMPORTS OF MANGANESE ORE, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore (chemical grade) ..	784	1,142	1,056	584	418	675
do. (metallurgical grade)	32,525	28,308	49,205	49,837	30,316	31,997
Ferro-manganese ..	1,866	2,258	2,327	1,445	1,850	2,897
Spiegeleisen	20	128	—	57	15	30
Ferro-silico-manganese	328	121	218	392	292	435
Yugoslavia—						
Ore	(a)	4,471	8,978	6,683	3,967	11,183
Algeria—						
Ore	8	30	11	26	61	31
Mexico—						
Ferro-manganese ..	2,395	2,372	940	894	123	130
United States—						
Ore (b)	1,297,300	1,805,050	1,852,612	2,106,491	2,958,014	2,103,386
<i>Mn content</i>	601,470	828,384	828,102	930,646	1,286,139	941,394
Ferro-manganese ..	58,048	96,691	106,932	57,227	112,963	50,689
<i>Mn content</i>	46,577	76,700	84,773	45,562	87,640	39,950
Argentina—						
Dioxide and borate of manganese	422	732	(a)	12	890	790
Ferro-manganese ..	1,722	2,217	2,394	1,480	2,169	4,176
Chile—						
Ferro-manganese ..	104	105	265	243	(a)	(a)
Silico-manganese ..	10	53	481	13	(a)	(a)
Japan—						
Ore	64,143	48,368	253,777	69,065	108,957	111,965

(a) Information not available.

(b) Including the following quantities of ore containing 10 to 35% Mn (*Mn content* in brackets): 1949—24,345 (7,790); 1950—81,781 (21,671); 1951—156,483 (41,650); 1952—137,812 (36,310); 1953—165,387 (37,481). 1954—96,515 (20,327).

MERCURY
PRODUCTION OF MERCURY
(Lb.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Austria (c)	419	2,866	2,315	1,698	1,742	2,138
Czechoslovakia	(b) 60,000	(a)	(a)	(a)	(a)	(a)
Italy	3,384,000	4,054,000	4,094,000	4,246,000	3,902,000	4,140,000
Spain	2,454,058	3,937,217	3,380,497	2,974,306	3,308,664	3,270,000
Yugoslavia	970,000	1,091,000	1,113,000	1,111,000	1,085,000	1,098,000
Algeria	7,776	—	—	—	—	—
Mexico	412,639	285,505	613,670	663,662	884,184	1,121,350
United States	754,680	344,660	554,268	953,572	1,086,800	1,406,000
Bolivia (exports)	—	—	1,407	—	(a)	(a)
Chile	57,300	24,250	8,671	13,159	7,573	(a)
China (d)	22,000	110,200	304,000	304,000	380,000	(a)
Formosa	(a)	(a)	(a)	(a)	(a)	3,300
Japan	187,031	99,689	140,377	234,320	486,825	779,987
Turkey	—	—	—	—	—	19,800
WORLD'S TOTAL (b)	8,800,000	10,600,000	10,900,000	11,400,000	12,000,000	13,200,000

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

- (a) Information not available.
- (b) Estimated.
- (c) Mercury content of copper concentrates.
- (d) United States Bureau of Mines' estimate.

EXPORTS OF MERCURY, ETC.

(Domestic Produce)

(Lb.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Mercury	18,571	107,095	168,583	19,651	20,620	63,479
Chloride	20,244	51,866	94,310	(a)	(a)	(a)
Canada—						
Mercury	8	8,100	58,235	1,500	7,018	6,310
Hong Kong (re-exports)—						
Mercury	56,392	10,032	16,796	—	988	3,497
Malaya (b)—						
Mercury	2,145	169	3,381	93	329	622
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Mercury	4,409	41,987	4,409	2,205	24,251	3,086
Sulphide of mercury ..	15,432	15,432	30,865	—	6,614	6,173
Other mercury salts ..	—	—	—	33,059	4,409	2,205
France—						
Mercury	4,630	2,866	5,952	13,889	6,173	15,873
Mercury salts	72,973	43,872	29,762	5,732	11,684	28,881
Germany (Federal)—						
Cinnabar	5,291	661	(c) 2,425	(a)	(a)	(a)
Mercury	1,543	39,463	3,527	1,984	11,244	10,362
Mercury salts	14,110	71,641	(c) 37,104	(a)	(a)	(a)
Italy—						
Mercury	642,868	6,262,891	2,090,423	2,546,559	4,192,766	4,705,766
Mercury salts	(a)	112,656	134,702	28,880	97,890	72,532
Portugal—						
Mercury	(a)	—	15,260	31,559	7,399	112
Spain—						
Mercury	2,101,005	7,562,736	3,689,281	3,363,240	3,318,618	2,886,300
Mercury salts	5,787	35,821	32,159	13,746	35,298	(a)
Sweden—						
Mercury	549	17,637	37,479	450	—	—
Switzerland—						
Mercury	326	192	421	448	35,230	300
Yugoslavia—						
Mercury	(d)	1,054,250	990,537	1,061,162	974,037	899,925
Mercury salts	(a)	(a)	(a)	62,230	39,178	93,961
Mexico—						
Mercury	493,297	376,164	524,771	598,500	948,779	1,403,293
United States—						
Mercury	43,860	33,977	18,311	30,369	41,497	67,628
Bolivia—						
Mercury	—	—	1,407	—	(a)	(a)
Chile—						
Mercury	(a)	(a)	(a)	(a)	(a)	(a)
Japan—						
Mercury	(a)	1,949	60	88	1,459	6,175
Turkey—						
Mercury	—	—	—	5,578	5,324	36,341

(a) Information not available.

(b) Including re-exports.

(c) January to September only.

(d) Figures of exports are not available but imports into the United States from Yugoslavia were 241,371 lbs. in 1949.

IMPORTS OF MERCURY, ETC.

(Less Re-exports)

(Lb.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Mercury	1,133,854	3,031,024	960,397	425,900	1,431,510	1,803,837
Chloride	(a)	(a)	248	41,193	74,582	22,479
Anglo-Egyptian Sudan—						
Mercury	207	223	201	229	24	(a)
Southern Rhodesia—						
Mercury	14,477	20,051	11,088	5,822	8,147	(b) 11,289
South West Africa—						
Mercury	179	39	108	(a)	(a)	(a)
Union of South Africa—						
Mercury	51,400	67,151	33,645	82,729	50,531	(a)
Canada—						
Mercury	277,927	614,005	308,088	144,277	196,412	243,491
Mercury salts	(£222)	(£1,436)	(£4,220)	(£9,906)	(£12,330)	(£6,766)
British Guiana—						
Mercury	650	936	1,259	559	(a)	(a)
Hong Kong (total imports)—						
Mercury	133,456	91,960	4,636	—	9,502	6,235
India—						
Mercury	1,080,160	2,140,362	719,582	163	(c) 276,993	(c) 210
Malaya (total imports)—						
Mercury	845	4,061	849	1,540	1,080	6,878
Australia—						
Mercury	43,738	61,408	96,578	45,413	44,893	133,218
Mercury salts	86,482	191,589	105,522	160,122	(d) 33,160	(d) 53,303
New Zealand—						
Mercury	943	2,539	2,519	1,671	3,419	1,758
Mercury salts	3,700	48,600	2,700	5,800	4,600	5,400
FOREIGN COUNTRIES						
Austria—						
Mercury	22,928	40,124	41,447	34,392	30,644	55,777
Mercury salts	—	—	—	—	22,487	34,172
Belgium-Luxemburg						
E.U.—						
Mercury	94,799	218,258	61,729	83,776	72,753	108,467
Sulphide of mercury	2,205	4,409	2,205	2,205	2,205	1,543
Other mercury salts	4,409	4,409	—	2,205	13,228	23,810
Denmark—						
Mercury	20,503	54,013	11,905	3,086	9,039	19,842
Finland (total imports)—						
Mercury and amalgam	66,893	32,309	23,473	23,303	39,185	111,276
France—						
Mercury	268,743	605,830	856,716	464,514	575,627	720,030
Mercury salts	—	68,343	11,905	2,205	—	—
Germany (Federal)—						
Cinnabar	441	—	—	—	(a)	(a)
Mercury	254,193	720,912	438,940	336,425	649,261	1,658,758
Mercury salts	—	110	—	—	(a)	(a)
Greece—						
Mercury	6,837	514	86	3,468	57	311
Italy—						
Mercury salts	(a)	(a)	(a)	22,266	39,682	25,574
Netherlands—						
Mercury	125,663	121,254	81,571	46,297	70,548	59,525
Mercury salts	41,887	48,502	(a)	24,255	50,706	59,525

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

IMPORTS OF MERCURY, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Mercury	35,364	69,648	119,080	25,014	60,815	87,819
Portugal—						
Mercury	14,399	3,287	55,709	16,574	13,151	5,911
Mercury salts	8,142	2,216	3,931	1,393	2,910	3,770
Sweden—						
Mercury	57,818	249,122	130,073	27,891	72,753	57,320
Switzerland—						
Mercury	55,065	152,824	117,149	25,020	72,234	98,672
Algeria—						
Mercury	—	—	1,984	2,205	3,527	2,425
Mercury salts	—	—	—	1,102	661	661
Belgian Congo—						
Mercury	(a)	(a)	(a)	(a)	2,377	3,148
Mercury salts	(a)	(a)	(a)	(a)	330	54
Egypt—						
Mercury	1,537	4,901	4,442	2,950	1,876	2,302
Morocco (French)—						
Mercury	3,307	1,682	(a)	1,230	4,738	(a)
Mozambique—						
Mercury	79	179	218	53	49	(a)
Tunis—						
Mercury	220	(a)	—	(a)	440	220
Cuba (total imports)—						
Mercury	3,710	3,426	4,169	(a)	(a)	(a)
Nicaragua—						
Mercury	(a)	260	392	71	174	(a)
United States—						
Mercury	7,838,705	4,262,056	3,637,338	5,460,998	6,337,885	4,936,700
Mercury salts	44,519	26,023	82,908	25,019	29,891	34,898
Argentina—						
Mercury	42,181	95,648	(a)	—	—	282
Mercury salts	6,501	27,840	(a)	503	3,018	5,315
Brazil (total imports)—						
Mercury	45,226	(a)	127,385	21,451	125,426	183,914
Chile—						
Mercury	443	234	809	697	(a)	(a)
Mercury salts	5,124	3,810	1,327	3,206	(a)	(a)
Colombia—						
Mercury	(a)	(a)	6,583	5,450	10,218	4,374
Mercury salts	(a)	(a)	23,459	8,061	19,729	46,771
Dutch Guiana—						
Mercury	115	(a)	(a)	(a)	(a)	(a)
Peru—						
Mercury	1,003	578	2,059	1,881	1,931	1,153
Mercury salts	358	351	1,809	734	758	503
Uruguay—						
Mercury	73	3,157	194	—	392	(a)
Venezuela—						
Mercury	13,606	(a)	(a)	14,689	13,195	(a)
Mercury salts	8,241	8,653	4,330	251	126	(a)
Iran (total imports) (b)—						
Mercury	37	(a)	29	2	7	(a)
Japan—						
Mercury	(a)	(a)	418,049	55,713	366,313	68,185
Philippine Republic—						
Mercury	414	584	516	26,374	1,757	1,702
Turkey—						
Mercury	353	692	187	348	282	185
Mercury salts	604	1,274	3,325	4,109	3,822	3,865

(a) Information not available.

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

MICA
PRODUCTION OF MICA
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Kenya	4	1	1	2	—	—
Northern Rhodesia—						
Sheet	3	2	5	16	8	3
Nyasaland	—	—	—	(12 cwt.)	—	—
Southern Rhodesia—						
Block and sheet	85	402	93	93	66	82
Crude and waste	213						250	654	89	—
South West Africa—						
Waste	—	58	112	—	—	—
Tanganyika—						
Block and sheet	55	58	74	118	80	60
Ground	36	59	—	—	—	—
Waste	—	25	—	—	—	—
Uganda	2	(7 cwt.)	(3 cwt.)	(6 cwt.)	(59 lbs.)	(5 cwt.)
Union of South Africa—						
Sheet	1	13	5	5	5	2
Waste	1,048	1,336	1,746	2,621	1,912	1,834
Canada (sales)—						
Rough mine-run or						
rifted	4	(20 lbs.)	123	6	28	5
Trimmed	21	81	103	28	23	8
Splittings	4	1	3	3	4	1
Sold for mechanical						
splittings	4	47	49	47	75	18
Ground	828	989	921	441	297	418
Scrap	678	614	1,017	374	573	307
Ungraded	19	—	—	—	11	8
By varieties—						
Phlogopite and						
biotite	1,280	1,445	1,589	669	832	643
Muscovite and						
schist	277	287	626	230	179	119
Ceylon (exports)	—	—	(4 cwt.)	9	6	—
India (exports)—						
Blocks	417	764	1,617	1,456	1,714	1,614
Splittings	9,023	11,978	13,726	5,649	5,451	4,852
Ground and scrap	4,098	3,679	9,180	8,244	5,104	10,275
Australia (b)—						
Block	29	30	23	32	32	38
Scrap	(34 lbs.)	23	37	—	—	36
FOREIGN COUNTRIES						
Austria	249	362	302	—	—	—
France	—	(c) 492	(c) 449	182	118	(a)
Norway (incl. waste)	326	544	969	523	980	2,000
Spain	9	13	11	8	13	8
Sweden (sales)—						
Block	11	2	41	8	3	—
Ground	49	162	170	155	169	148
Angola—						
Sheet	12	15	15	28	19	11
Waste and splittings	43	151	119	197	10	161
Eritrea	(8 cwt.)	1	(a)	(a)	(a)	(a)
Madagascar—						
Phlogopite (block)	944	789	943	1,052	803	516
Morocco (French)	53	81	36	6	13	13

(a) Information not available.

(b) The following amounts of damourite were also produced (long tons): 1949—692; 1950—696; 1951—505; 1952—461; 1953—445; 1954—514.

(c) Including chlorite.

PRODUCTION OF MICA (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Mozambique	101	41	10	2	3	1
Mexico (exports) ..	13	173	32	—	36	1
United States (sales)—						
Sheet (uncut)	229	258	266	312	379	(a)
Scrap (b)	29,336	61,929	64,171	67,175	65,410	(a)
Argentina	372	(c) 303	(a)	217	241	236
Brazil	1,341	1,784	2,088	(c) 1,240	1,941	(d) 1,000
Uruguay	1	1	1	(a)	(a)	(a)
Formosa	(a)	(a)	477	14	23	20
TOTAL*	49,300	85,500	99,000	91,000	86,000	90,000

* Excluding mica known to have been produced in Roumania, U.S.S.R. and China.

(a) Information not available.

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

(c) Exports.

(d) Estimated.

EXPORTS OF MICA

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Splittings			35	20	5	2
Ground and waste .. .	487	479	691	494	675	1,126
Southern Rhodesia—						
Block and sheet .. .			100	108	66	86
Waste	443	513	337	154	277	—
Tanganyika—						
Block and sheet .. .	57	50	70	107	78	78
Ground and waste .. .	36	84	—	16	51	28
Uganda	2	—	4	—	—	1
Union of South Africa—						
Waste	892	1,050	838	1,746	2,513	3,802
Canada—						
Rough cobbed and thumb trimmed .. .	79	104	302	102	143	35
Splittings	13	—	—	2	—	—
Ground	192	250	346	197	143	107
Scrap and waste .. .	303	528	438	397	605	202
Ceylon	—	—	(4 cwt.)	9	6	—
Hong Kong						
(re-exports)—						
Sheet, block, waste etc.	(a)	(a)	(a)	3	1	56
India—						
Blocks	417	764	1,617	1,456	1,714	1,614
Splittings	9,023	11,978	13,726	5,649	5,451	4,852
Ground and scrap .. .	4,098	3,679	9,180	8,244	5,104	10,275
Australia—						
Block	2	2	4	—	2	8
Ground and scrap .. .	—	—	1	5	4	
Micnite	11	19	6	4	5	
FOREIGN COUNTRIES						
Austria	431	78	315	77	83	117
Belgium-Luxemburg						
E.U.—						
Crude sheets and plates	43	15	21	7	14	18
France—						
Unmanufactured .. .	76	83	113	63	99	66
Sheet, plate and manufactures .. .	9	24	36	49	48	49
Germany (Federal)—						
Unmanufactured .. .	—	—	1	43	85	130
Italy—						
Sheet and manufactured	3	—	11	14	12	12
Netherlands	6	6	25	11	15	27
Norway—						
Sheet	111	562	538	503	501	822
Scrap	20	30	30	14	325	456
Sweden	(a)	1	10	48	37	15
Angola (b)	(a)	23	(a)	80	(a)	(a)
Madagascar—						
Phlogopite, etc. .. .	794	822	677	725	628	486
Morocco (French)	—	139	113	4	4	23
Mozambique	1	—	1	4	2	(a)
Mexico	13	173	32	—	36	1
United States—						
Unmanufactured .. .	51	150	178	264	20	142
Ground and manufactured .. .	938	1,231	1,514	1,943	2,124	2,830
Argentina	299	332	(a)	2	100	33
Brazil	550	811	1,329	1,240	1,177	651

(a) Information not available.

(b) Chiefly waste mica.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Slabs	94	(b) 407	292	671	301	627
Splittings	1,704	1,202	3,062	1,546	492	925
Ground and waste	4,225	2,031	4,138	4,197	3,263	6,338
Tanganyika	—	—	—	9	(b) 1	—
Union of South Africa—						
Mica and micranite sheets	11	16	29	32	35	(a)
Canada—						
Unmanufactured	} (£150,744)	} (£249,285)	} (£326,717)	} (£257,667)	} (£259,339)	} { 104 (£132,777)
Manufactured						
Hong Kong (total imports)—						
Sheet, block, waste etc.	(a)	(a)	(a)	1	—	68
India—						
Block	62	130	72	—	3	16
Splittings	19	125	26	12	26	47
Australia—						
Block and sheet	14	27	29	9	16	27
Splittings	62	68	69	31	29	54
Ground	1	6	4	12	4	13
Scrap	73	73	126	34	40	203
Micanite	(3 cwt.)	1	2	4	(a)	(a)
New Zealand—						
Powder	5	10	17	7	15	33
Other (N.Z.)	(£7,072)	(£12,834)	(£27,810)	(£17,897)	(£14,549)	(£20,140)
FOREIGN COUNTRIES						
Austria—						
Crude	2	6	23	22	74	134
Sheet	31	18	29	33	24	32
Belgium-Luxemburg						
E.U.—						
Crude sheet and crude plate	204	399	649	572	841	1,147
Cut sheet and cut plate	34	—	—	25	—	2
Denmark—						
Block	23	87	550	147	106	60
Powder	302	842	367	2,383	2,168	2,613
France—						
Unmanufactured	695	1,545	1,634	1,336	998	1,840
Sheet, plate and manufactures	4	5	7	8	12	20
Germany (Federal)—						
Unmanufactured	443	951	1,367	1,924	2,406	1,964
Italy—						
Unmanufactured	852	1,147	3,410	11,354	2,728	3,974
Sheet and manufactured	6	21	29	141	97	145
Netherlands						
Unmanufactured	80	251	269	229	297	543
Sheet, plate and manufactured	34	36	56	34	53	56
Portugal	11	12	—	2	21	35
Sweden	188	627	407	634	786	710
Tunis	—	(a)	1	(a)	36	45
Mexico	64	140	80	34	58	37
United States—						
Unmanufactured	5,591	5,419	6,821	6,937	4,666	4,966
Cut, splittings and manufactured	8,689	11,113	10,045	4,711	5,146	3,002
Chile—						
Sheet and manufactured	129	190	50	57	(a)	(a)
Peru—						
Ground and waste	(a)	(a)	2	7	5	8
Japan	224	80	469	605	1,407	1,305
Turkey	6	1	1	—	—	—

(a) Information not available.
(b) Excess of re-exports.

MOLYBDENUM
PRODUCTION OF MOLYBDENUM ORE
(MoS₂ content)
(Cwt.)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada (shipments) ..	—	925	3,407	4,518	2,893	6,704
Hong Kong	—	—	2	7	30	1
Australia	106	86	27	2	37	14
FOREIGN COUNTRIES						
Austria	340	625	755	689	—	—
Norway	2,316	2,185	4,116	4,190	4,738	4,980
Sweden	98	118	—	—	—	—
Mexico	—	—	—	—	—	3,897
United States	335,268	423,809	578,196	643,735	851,830	873,043
Chile	18,346	31,652	56,572	53,935	44,904	39,633
Peru	82	48	105	111	157	47
Japan	—	434	1,760	2,929	5,934	6,850
Korea (South)	306	185	66	214	294	299
TOTAL*	356,860	460,060	645,000	710,330	910,820	935,470

* Excluding molybdenum ore known to have been produced in Portugal, Roumania, U.S.S.R., Yugoslavia, China and Turkey.

(a) Information not available.

EXPORTS OF MOLYBDENUM ORE, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom— Ferro-molybdenum ..	2,620	2,940	1,560	4,640	6,240	4,960
Australia— Ore and concentrates ..	70	—	20	5	—	—
FOREIGN COUNTRIES						
Finland— Ore	643	—	—	—	—	—
France— Molybdic acid and molybdates	43	24	12	10	30	94
Norway— Ore	1,742	1	6,424	4,919	4,842	6,247
Sweden— Ore	—	—	—	20	—	—
Ferro-molybdenum ..	4,199	4,134	20	2,357	690	1,004
Mexico— Ore and concentrates (MoS_2 content) ..	—	—	—	—	—	2,213
United States— Ore and concentrates (MoS_2 content) ..	79,222	92,844	55,536	91,913	104,801	201,734
Metal, alloys and scrap	769	1,304	974	1,538	195	307
Ferro-molybdenum ..	8,520	10,520	13,249	9,733	5,771	2,212
Chile— Ore	5,905	41,336	80,700	66,930	51,180	45,273
Peru— Ore (MoS_2 content) ..	—	130	35	183	40	50

(a) Information not available.

IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore	52,622	61,716	62,458	65,322	78,574	120,140
Metal	6	8	32	27	7	62
Canada—						
Oxide	(b) 2,180	(b) 3,732	5,057	4,644	3,198	3,780
Ferro-molybdenum ..	(b) 960	(b) 1,143	2,821	(a)	(a)	(a)
Australia—						
Ferro-molybdenum ..	(a)	(c) 229	820	1,120	1,020	3,180
FOREIGN COUNTRIES						
Austria—						
Molybdic acid	22	356	317	504	137	16
Ferro-molybdenum ..	(a)	3,287	2,517	2,870	1,762	1,293
Belgium-Luxemburg						
E.U.—						
Molybdic acid	79	39	—	236	39	205
Molybdates	(a)	(a)	(a)	197	177	248
Ferro-molybdenum ..	(a)	(a)	(a)	1,791	1,023	1,346
Finland—						
Ferro-molybdenum ..	245	202	359	752	1,152	661
France—						
Metal and alloys ..	22	—	51	100	45	67
Molybdic acid and molybdates	33	45	98	49	35	37
Italy—						
Ore	(a)	(a)	(a)	3,911	2,407	3,466
Ferro-molybdenum ..	514	1,708	1,555	4,369	5,644	3,677
Sweden—						
Ore	20,452	20,412	16,141	16,003	10,669	21,338
Ferro-molybdenum ..	3,706	2,047	394	181	1,181	984
United States—						
Ore (<i>MoS₂</i> content) ..	—	—	63	739	—	2,298
Japan—						
Ore and concentrates ..	(a)	37	1,473	2,261	4,311	13,818

(a) Information not available.

(b) *Mo content.*

(c) Years ended June 30 of that stated.

MONAZITE AND RARE EARTH MINERALS

PRODUCTION OF MONAZITE AND RARE EARTH MINERALS

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Ceylon—						
Monazite	(a)	(a)	(a)	14	50	46
India—						
Monazite	(a)	(a)	(a)	(a)	(a)	(a)
Australia (b)—						
High-grade concentrates	—	29	38	119	184	71
Low-grade concentrates	186	133	293	148	69	106
FOREIGN COUNTRIES						
Belgian Congo—						
Monazite	—	—	36	14	11	4
Bastnaesite	43	53	122	211	361	369
Egypt—						
Monazite	3	71	1	6	6	8
Madagascar—						
Bastnaesite	—	—	2	3	9	6
Brazil (exports)—						
Monazite	2,278	(a)	(a)	(a)	(a)	—

Monazite is also produced in Malaya, Union of South Africa, United States and South Korea. Bastnaesite is also produced in the United States.

(a) Information not available.

(b) Monazite content.

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
India—						
Monazite sand	50	(a)	114	(a)	(a)	(a)
Australia—						
Concentrates	(a)	35	44	91	180	(b) 187
FOREIGN COUNTRIES						
France—						
Monazite	1	—	—	—	—	1
Madagascar—						
Bastnaesite	—	—	2	1	9	6
United States—						
Cerium ores etc. ..	(a)	(a)	38	22	37	13
Brazil—						
Monazite sand	2,278	(a)	(a)	(a)	(a)	—

(a) Information not available.

(b) Year ended June 30 of that stated.

IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada—						
Thorium and cerium salts	(£14,586)	(£11,171)	(£23,038)	(£20,382)	(£11,455)	(£7,846)
FOREIGN COUNTRIES						
France—						
Monazite	120	305	448	248	24	53
United States—						
Monazite sand and thorite	148	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

NICKEL
PRODUCTION OF NICKEL ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Union of South Africa (b)	559	829	1,120	1,289	1,688	1,886
Canada	114,901	110,410	123,128	125,499	128,297	143,999
TOTAL	115,459	111,239	124,248	126,788	129,986	145,885
FOREIGN COUNTRIES						
Finland (c)	—	—	82	397	399	167
U.S.S.R. (d)	25,000	29,000	32,000	36,000	39,000	42,000
Cuba (e)	—	—	—	11,463	16,300	17,697
United States (f)	705	815	675	565	537	2,362
Burma (h)	(a)	(a)	(a)	57	14	103
New Caledonia (g)	2,456	4,242	6,604	10,487	16,792	13,479
TOTAL*	28,200	34,200	39,400	58,900	73,000	75,800
WORLD'S TOTAL*	143,700	145,400	163,600	185,700	203,000	221,700

* Nickel ores are also produced in Southern Rhodesia, Brazil and South Korea. Totals are approximate.

(a) Information not available.

(b) Nickel content of platinum matte.

(c) Nickel content of concentrates.

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

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

	Long tons				Long tons			
1949	—	—	—	—	1952	7,968	7,968	7,968
1950	—	—	—	—	1953	12,361	12,361	12,361
1951	—	—	—	—	1954	12,987	12,987	12,987

(f) Nickel content of salts and nickel produced as a by-product in the electrolytic refining of copper (partly from imported blister copper).

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

	Long tons				Long tons			
1949	5,071	5,071	5,071	5,071	1952	6,678	6,678	6,678
1950	7,853	7,853	7,853	7,853	1953	7,400	7,400	7,400
1951	7,680	7,680	7,680	7,680	1954	7,852	7,852	7,852

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

	Long tons				Long tons			
1949	3,764	3,764	3,764	3,764	1952	5,827	5,827	5,827
1950	4,842	4,842	4,842	4,842	1953	5,856	5,856	5,856
1951	4,358	4,358	4,358	4,358	1954	8,115	8,115	8,115

(h) Nickel content of nickel speiss.

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ingots, cubes, rondels etc.	10,700	8,268	7,124	10,185	11,634	13,906
Plates, sheets, etc. . .	169	189	101	117	168	246
Bars, sheets, wire, etc. (alloys)	2,336	2,530	1,729	2,087	1,431	1,177
Scrap and alloyed . . .	2,600	7,431	4,513	1,468	3,274	2,574
Nickel oxide	112	176	180	194	324	273
Southern Rhodesia—						
Ore	—	—	—	—	96	49
Union of South Africa—						
Matte (<i>Ni content</i>) . .	607	575	1,112	1,412	1,512	1,648
Canada—						
Matte or speiss (<i>Ni content</i>)	50,806	47,402	51,680	56,922	57,062	58,770
Nickel, fine	61,686	59,727	64,605	68,802	71,347	81,616
Nickel oxide (<i>Ni content</i>)	1,028	1,489	843	1,081	1,160	1,327
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Ingots, scrap, etc. . .	9	47	57	75	66	62
Sheets, wire, etc. . .	7	10	3	4	—	4
Denmark—						
Crude and scrap . . .	19	102	35	66	210	130
Finland—						
Ore	—	920	—	460	416	—
France—						
Ore	20	—	27	—	20	10
Matte and speiss . . .	—	625	2	—	—	177
Ingots	8	399	433	92	203	1,435
do. (alloys)	—	140	21	10	42	40
Sheets and wire . . .	2	3	18	4	7	28
do. (alloys)	29	43	39	12	7	36
Germany (Federal)—						
Crude and scrap . . .	—	827	29	74	54	15
Bars, sheets, wire, etc. . .	11	264	178	350	415	402
Italy—						
Ore	(a)	(a)	—	150	19	—
Ingots	—	—	1	1	2	8
Scrap	—	—	14	5	—	—
Sheets, tubes, wire and alloys	867	37	16	—	1	3
Netherlands—						
Crude and scrap . . .	258	294	78	(b) 16	70	(b) 70
Norway—						
Ore	—	—	3,753	—	—	—
Crude	7,421	9,645	9,575	11,750	13,750	16,198
Sweden—						
Crude	—	—	—	—	—	30
Switzerland—						
Crude, scrap and alloys	92	696	333	107	468	357
Bars, sheets, etc. and alloys	402	547	136	109	277	731

(a) Information not available.

(b) Scrap only.

EXPORTS OF NICKEL (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba—						
Nickel oxide	—	—	—	10,778	16,276	16,306
United States—						
Bars, rods, sheets and alloys	719	302	172	1,011	2,937	} 11,444
Scrap and alloys	2,486	2,534	3,565	5,243	10,199	
Nickel-silver bars, etc.	457	222	198	(a)	(a)	
Japan—						
Ingots, slabs and grains do. alloyed	(a)	(a)	(a)	(a)	464	846
Bars, rods, plates and sheets	(a)	(a)	(a)	(a)	21	395
New Caledonia—						
Ore (3% to 6% Ni) ..	—	—	6,889	108,145	204,626	146,478
Matte (75% to 78% Ni)	5,793	5,699	4,075	3,774	5,159	7,426
Ferro-nickel (32% to 35% Ni) ..	—	326	3,533	8,744	6,679	11,567

(a) Information not available.

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore, concentrates and matte	32,771	25,221	34,260	33,835	33,878	32,863
Ingots, cubes, rondels, etc.	2,292	2,480	3,225	4,578	5,879	5,930
Plates, sheets, etc.	270	12	47	8	14	18
Ingots, sheets, etc. (alloys)	1,243	1,111	2,288	1,941	3,218	2,855
Scrap and alloyed	297	820	221	784	1,246	2,063
Nickel oxide	456	539	491	653	469	624
Canada—						
Ingots or blocks incl. alloyed	12	19	43	28	402	186
Bars, rods, sheets, etc. incl. alloyed	1,280	1,175	1,075	1,444	2,351	1,228
Hong Kong (total imports)—						
Sheets, rods, wire, etc.	1	2	—	8	38	82
Australia—						
Pigs and ingots	1,221	407	302	613	632	527
Bars and rods	59	57	42	10	20	17
Scrap	15	6	161	2	(b) —	(b) —
New Zealand—						
Ingots, bars, sheets, etc. do. (alloyed)	5 32	68 52	14 70	5 81	4 26	1 11
Irish Republic—						
Nickel alloys and manufactures	10	6	5	3	5	11
FOREIGN COUNTRIES						
Austria—						
Crude	462	867	663	695	923	1,058
Anodes	26	32	11	13	28	78
Ingots, sheets, etc.	31	12	16	3	5	12
Scrap	—	—	—	—	—	6
Belgium-Luxemburg						
E.U.—						
Ingots, etc.	21	344	357	433	506	351
Scrap	291	13	6	7	12	8
Sheets, wire, etc.	200	147	166	138	109	104
Denmark—						
Crude and scrap	55	89	58	61	80	106
Finland (total imports)—						
Crude and scrap	24	144	210	221	201	185
France—						
Ore	—	—	—	6,908	14,898	760
Matte and speiss	5,734	7,142	5,448	12,167	9,831	13,358
Ingots	3,470	190	86	986	1,196	1,142
do. (alloys)	79	108	215	175	56	5
Bars, sheets and wire	71	120	65	78	73	186
do. (alloys)	208	213	185	188	220	243
Nickel sulphate and oxide	679	448	363	649	395	605
Germany (Federal)—						
Ore	—	581	29,587	1,045	163	56
Matte and speiss	(a) —	(a) —	316	466	604	55
Crude and scrap	2,089	5,869	4,080	5,488	7,041	13,079
Bars, sheets, wire, etc.	26	25	21	11	21	82

(a) Information not available.

(b) Year ended June 30 of that stated.

IMPORTS OF NICKEL (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ingots and alloyed ..	526	961	523	961	1,470	1,726
Scrap	375	533	87	104	470	488
Sheets, tubes, wire, etc. and alloyed	366	263	96	88	121	131
Netherlands—						
Crude and scrap ..	245	487	323	223	193	338
Norway—						
Ore	—	—	—	—	148	74
Matte (copper-nickel)	19,006	16,362	20,634	26,119	29,576	34,624
Crude, bars, rods, etc. . .	7	51	3	9	100	14
Portugal	38	21	6	8	29	35
Spain—						
Crude	(a)	(a)	28	40	65	(a)
Ingots, bars, etc. ..	144	428	230	(a)	1,111	(a)
Sweden—						
Crude	2,718	3,342	2,737	2,556	2,881	3,325
Switzerland—						
Crude, scrap, and alloyed	225	604	597	518	608	519
Bars, sheets, etc. and alloyed	225	192	320	366	422	377
Algeria—						
Sheets, wire and alloys	2	2	—	—	4	5
Egypt (total imports)—						
Crude, bars, sheets, etc.	13	4	14	9	31	23
Mexico—						
Ingots	15	44	29	21	20	137
United States—						
Ore and matte	9,936	9,942	11,454	12,884	13,040	12,621
Pigs, ingots etc. ..	65,865	62,283	69,171	71,317	76,415	87,238
Bars, rods and tubes ..	4	33	34	10	311	118
Nickel oxide	10,930	14,559	10,702	21,389	26,643	28,808
Brazil (total imports)—						
Cubes and sheets ..	132	(a)	223	180	153	319
Chile—						
Ingots, bars and plates	44	68	87	76	(a)	(a)
Colombia—						
Ingots, sheets, etc. ..	(a)	(a)	2	7	16	25
Japan—						
Ore	(a)	6	532	71,675	198,093	144,449
Matte	(a)	(a)	296	838	451	120
Ingots, slabs, grains and alloyed	(a)	(a)	326	329	86	103
Bars, rods, sheets and alloyed	(a)	(a)	165	736	1	3
Turkey—						
Ingots, bars, and sheets	—	11	—	7	15	11

(a) Information not available.

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

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
India—						
Nitrate of potash ..	6,354	5,501	6,384	8,384	(b) 2,777	(c) 3,000
FOREIGN COUNTRIES						
Spain—						
Nitrate of potash ..	350	450	1,000	450	450	(a)
Chile—						
Nitrate of soda ..	1,741,957	1,588,653	1,657,804	1,405,267	1,397,812	1,549,445

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

(a) Information not available.

(b) Incomplete.

(c) Estimated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS*

(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b)— Total ammonia products basis 25% NH ₃ ..	1,691,100	1,803,400	1,906,300	2,012,500	2,130,900	2,149,300
Actual ammonium sulphate	924,500	960,700	968,100	1,015,400	1,047,000	1,049,000
Canada— Ammonium sulphate ..	201,741	188,870	186,749	202,379	166,554	158,660
India— Ammonium sulphate ..	45,935	48,845	46,747	220,302	319,247	339,890
Australia— Ammonium sulphate (c)	53,247	48,736	57,893	63,815	71,192	70,811
FOREIGN COUNTRIES						
Austria— Lime ammonium nitrate	283,605	358,176	429,122	424,787	(d) 482,222	(d) 559,191
Belgium— N content— Synthetic ammonia etc.	167,776	154,867	188,639	186,447	179,426	220,171
Ammonium sulphate	11,486	10,767	15,557	15,802	15,587	15,346
Mixed fertilizers ..	2,531	2,874	3,618	4,318	4,055	7,417
Technical products ..	7,607	6,442	13,050	8,803	5,638	9,614
Finland— Cyanamide	(a)	(a)	2,646	947	3,881	1,673
Nitrate of lime ..	(a)	(a)	(a)	(a)	43,936	59,020
Ammonium nitrate ..	(a)	(a)	(a)	(a)	1,481	547
Ammonium sulphate ..	(a)	(a)	(a)	(a)	5,596	11,479
France (c)— Ammonium sulphate ..	268,008	249,231	227,100	236,740	199,350	168,900
Cyanamide	16,480	24,133	42,070	33,760	36,650	42,960
Nitrate of soda ..	34,100	42,744	31,060	33,190	31,080	29,590
Nitrate of lime ..	175,470	195,768	217,100	240,800	214,380	197,680
Nitrate of ammonia ..	175,700	198,475	265,280	270,300	288,100	264,310
"Ammonitrate" ..	133,600	178,771	187,500	269,092	294,210	343,050
Germany (Federal)— Chemical nitrogen (N content)— Fertilizer	360,691	433,241	473,843	592,831	614,987	685,039
Technical use ..	49,148	67,689	84,108	73,063	107,538	138,164
Italy— Ammonium sulphate ..	397,806	321,712	459,405	561,400	575,799	} (a)
Cyanamide	53,240	190,550	203,077	156,080	217,729	
Nitrate of soda ..	3,087	2,486	540	1,269	1,041	
Nitrate of lime ..	152,435	211,491	252,629	219,997	312,661	
Nitrate of ammonia ..	24,056	48,944	73,183	41,681	110,541	
Di-ammonium phos- phate	12,278	17,585	24,249	27,863	30,008	
Ammonium phosphate	(a)	(a)	12,022	12,966	13,646	
Netherlands— Nitrogen fertilizers (N content)	87,172	153,783	207,301	226,514	244,000	265,000

*Includes by-product ammonium sulphate which is separately recorded as far as available on pages 73-76.

(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) Including other nitrogen fertilizers.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Norway—						
Cyanamide	39,193	47,788	33,675	14,376	28,260	17,851
Nitrate of ammonia ..	3,227	5,679	5,308	5,662	5,238	4,970
Nitrate of lime ..	563,632	760,087	868,765	932,421	871,708	995,443
Nitrate of soda	2,524	6,640	2,348	4,210	3,378	2,090
Lime ammonium nitrate	27,285	70,864	55,428	40,372	61,769	58,657
Poland—						
Ammonium sulphate ..	(a)	} 507,000	(a)	(a)	(a)	(a)
Cyanamide	166,455					
"Saletrzak"	} 128,018					
Nitrate of ammonia ..						
Other nitrogen fertilizers							86,799
Portugal—						
Cyanamide	12	—	1	(a)	(a)	(a)
Ammonium chloride ..	1,079	979	500	(a)	(a)	(a)
Nitrate of ammonia ..	447	782	698	(a)	(a)	(a)
Nitrate of soda	265	169	123	(a)	(a)	(a)
Ammonium sulphate ..	144	219	469	42,522	33,042	(a)
Spain—						
Cyanamide	(a)	(a)	(a)	6,889	2,500	(a)
Ammonium nitrate ..	(a)	(a)	(a)	27,269	25,371	(a)
Ammonium sulphate ..	10,300	13,566	28,548	89,325	87,604	109,519
Sweden—						
Compressed ammonia (100%)	9,428	10,139	10,439	10,336	12,206	(a)
Ammonia (25%)	2,944	4,134	5,708	3,714	4,050	(a)
Synthetic nitrogen fertilizer (N content)	23,502	25,203	21,788	25,003	28,596	25,858
Egypt—						
Nitrate of lime	(a)	(a)	(a)	90,254	121,027	156,000
United States—						
Sulphate equivalent of ammonia produced (coke-ovens)	756,970	825,503	890,869	795,224	933,496	792,172
Actual ammonium sul- phate (coke-ovens) ..	728,244	741,979	802,020	716,440	844,762	734,704
Actual ammonium sul- phate (synthetic plants)	755,531	1,015,822	540,760	725,710	486,877	828,971
Anhydrous ammonia (synthetic plants) ..	1,155,408	1,397,829	1,586,673	1,832,245	2,041,477	2,428,268
Ammonium nitrate, original	909,559	1,083,849	1,202,181	1,310,126	1,397,107	1,448,862
Brazil (Volta Redonda)—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	4,465	6,126
Formosa—						
Cyanamide	(a)	(a)	46,831	67,979	72,085	70,614
Ammonium sulphate ..	(a)	(a)	4,874	5,640	5,748	4,908
Liquid ammonia	(a)	(a)	129	313	402	496
Japan—						
Ammonium sulphate ..	1,212,893	1,545,165	1,647,963	1,921,446	2,000,612	2,151,491
Cyanamide	344,109	449,105	408,820	517,476	517,169	511,677
Ammonium nitrate ..	9,933	13,299	28,735	26,089	32,290	37,191
Ammonium chloride ..	4,134	7,759	13,641	27,318	34,640	57,021

(a) Information not available.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	1,196	1,868	2,364	1,314	1,309	1,198
Nitrate of soda ..	542	1,170	7,554	2,171	1,672	536
Ammonium sulphate ..	262,142	277,086	225,537	447,348	393,546	338,758
Ammonium chloride ..	13,023	14,725	15,283	10,315	12,922	14,581
Ammonium nitrate ..	67,614	58,572	63,756	55,762	33,481	9,962
Ammonium phosphate	578	520	720	524	568	149
Liquid ammonia ..	937	932	1,117	893	844	982
Anhydrous ammonia ..	1,697	3,457	3,337	1,992	3,787	4,050
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	7,884	5,837
Canada—						
Ammonium sulphate ..	149,194	186,706	130,110	178,287	131,581	138,179
Nitrogen fertilizers ..	(a)	338,586	266,271	305,361	304,232	276,922
Hong Kong (re-exports)—						
Nitrate of potash ..	—	—	—	—	134	84
Nitrate of soda ..	—	9	—	—	15	50
Ammonium sulphate ..	28,668	117,170	100,751	143,391	137,606	293,849
Synthetic nitrate ..				1,441	4,846	5,192
Ammonium chloride ..	385	853	1,567	—	2,134	336
India—						
Nitrate of potash ..	15	64	227	59	40	110
Malaya (including re-exports)—						
Nitrate of potash ..	1	5	14	12	7	9
Other nitrogen fertilizers	601	1,092	1,315	862	1,263	2,063
Anhydrous ammonia ..	(a)	31	3	7	12	8
Australia—						
Nitrate of soda ..	—	57	3	—	—	(b) 2
Ammonium sulphate ..	34	158	78	31	121	118
FOREIGN COUNTRIES						
Austria—						
Lime ammonium nitrate	205,638	289,887	269,822	265,168	(a)	(a)
Ammonium nitrate ..	(a)	—	1,028	20	14	80
Ammonium sulphate ..	(a)	1,164	—	2,257	—	—
Anhydrous ammonia ..	1,383	9,227	3,528	240	206	431
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	1,729	1,111	1,328	379	91	119
Nitrate of soda ..	17,108	2,252	359	445	202	178
Nitrate of lime ..	128	—	1,312	9,463	1,373	1
Ammonium sulphate ..	232,658	385,680	460,907	354,452	542,356	532,121
Ammonium chloride ..	8,363	1	2,347	185	30	24
Ammonium nitrate ..	64,004	67,481	165,817	71,509	112,729	114,174
Ammonium carbonate ..	34	51	23	28	29	25
Ammonium phosphate	5,830	996	1,868	2,907	8,723	13,145
Cyanamide ..	2,426	14,824	9,235	2,977	1,076	1,641
Liquid ammonia ..	110	45	61	83	44	83
France—						
Nitrate of potash ..	4,157	4,551	3,705	1,328	669	980
Nitrate of soda ..	169	684	1,105	1,011	3,394	1,518
Nitrate of lime ..	1,992	3,352	6,311	5,396	5,255	12,250
Ammonium sulphate (c)	39,808	106,955	95,651	161,686	63,739	162,576
Ammonium chloride ..	646	1,772	1,553	399	2,511	1,802
Ammonium nitrate ..	1,550	4,824	5,249	2,143	5,190	6,830
Cyanamide ..	148	819	667	541	221	908
Liquid ammonia ..	185	473	282	222	147	152
Anhydrous ammonia ..	441	552	563	566	667	697

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) May include some "Ammonium nitrate".

EXPORTS OF NITROGEN COMPOUNDS (cont.)

Exporting and and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Nitrate of potash ..	88	946	1,784	2,662	5,399	5,372
Nitrate of soda ..	1,251	34,304	3,976	1,978	6,804	10,039
Nitrate of lime, etc. ..	400	114,946	99,632	91,665	157,705	123,434
Lime ammonium nitrate	(a)	(a)	(c) 74,005	333,477	390,999	438,903
Ammonium chloride ..	1,367	4,583	5,834	1,966	4,363	7,470
Ammonium nitrate, etc.	—	4,436	1,750	—	—	—
Cyanamide ..	5	4,893	(b) 4,226	(a)	(a)	(a)
Other nitrogen fertilizers	654	87,318	188,707	236,107	302,511	394,084
Liquid ammonia ..	276	126	10,334	30,854	3,831	12,997
Italy—						
Nitrate of soda ..	20	23	1	249	16	11
Nitrate of lime ..	2,291	(a)	—	1,969	16,768	10,355
Ammonium nitrate ..	482	586	10	387	28,310	80,306
Ammonium sulphate ..	41,208	16,890	31,674	172,600	164,050	141,074
Cyanamide ..	1,874	4,721	11,683	6,330	48	5,717
Netherlands—						
Nitrate of potash ..	5	17	25	14	14	12
Nitrate of soda ..	(a)	17	62	26	1	—
Nitrate of lime ..	7,879	7,075	39,302	46,765	45,708	51,135
Ammonium sulphate ..	34,593	103,619	205,218	286,161	278,198	281,141
Ammonium chloride ..	—	41	56	10	28	57
Ammonium nitrate ..	(a)	(a)	(a)	—	797	—
Lime ammonium nitrate	979	(a)	49,620	149,337	198,758	219,908
Other nitrogen fertilizers	(a)	82	46	—	44	—
Norway—						
Nitrate of soda ..	1,807	5,895	4,531	3,957	2,793	1,405
Nitrate of lime ..	538,165	731,883	825,026	815,578	842,488	924,232
Ammonium nitrate ..	1,241	1,828	1,707	660	163	188
Cyanamide ..	40,138	42,282	14,005	17,070	26,497	8,074
Spain—						
Ammonium sulphate ..	447	709	874	378	—	(a)
Synthetic nitrates ..	1,385	158	713	1,047	—	(a)
Sweden—						
Nitrates of potash, soda and lime ..	6	34	17	67	4	13
Ammonium nitrate ..	115	297	129	17	12	15
Switzerland—						
Nitrate of potash (crude)	1,256	15,449	8,686	10,658	6,801	—
Nitrates of potash and soda (purified) ..	2,154	—	10	68	24	22
Ammonium sulphate, etc. ..	2,715	3,217	2,274	5,800	5,963	3,493
United States—						
Nitrate of soda ..	3,316	31,448	38,990	8,430	21,615	22,604
Ammonium nitrate ..	535,220	87,058	5,628	22,022	7,308	15,145
Ammonium sulphate ..	589,940	737,156	119,732	108,650	35,215	180,579
Other nitrogen fertilizers ..	20,991	36,931	56,936	42,954	41,505	43,635
Nitrogen phosphatic fertilizers ..	179,433	151,379	97,317	54,348	41,120	76,479
Anhydrous ammonia ..	3,508	9,109	5,274	13,778	13,499	35,051
Chile—						
Nitrate of soda ..	1,470,601	1,564,199	1,520,133	1,251,865	1,173,617	1,436,545
Nitrate of potash ..	52,655	73,631	52,393	47,832	41,715	63,186
Japan—						
Cyanamide ..	(a)	(a)	19,676	462	13,838	60,072
Ammonium nitrate ..	(a)	(a)	2,171	2,339	3,283	3,849
Ammonium chloride ..	(a)	(a)	268	71	14	1,485
Ammonium sulphate ..	—	47,496	21,632	176,633	491,275	457,317
Other nitrogen fertilizers	(a)	(a)	92,334	42,438	63,905	19,102

(a) Information not available.

(c) October to December only.

(b) January to September only.

IMPORTS OF NITROGEN COMPOUNDS
(*Less Re-exports*)
(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	(b) 37	244	489	343	710	927
Nitrate of soda ..	43,846	17,000	30,044	16,873	16,598	13,354
Cyanamide ..	1,808	3,615	3,439	7,748	6,116	2,043
Anhydrous ammonia ..	2	6	13	15	18	36
Malta—						
Nitrate of soda ..	(a)	(a)	198	119	98	148
Ammonium sulphate ..	(a)	(a)	145	728	1,084	1,805
Anglo-Egyptian Sudan—						
Synthetic nitrate of soda, calcium and ammonia	12,576	9,654	10,560	22,296	16,646	} 18,426
Other nitrogen fertilizers	—	—	—	1,904	1,924	
Gold Coast—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	(a)	443
Kenya and Uganda—						
Synthetic nitrate of soda, calcium and ammonia	—	—	19	—	—	} 4,696
Other nitrogen fertilizers	1,093	707	1,315	3,915	3,089	
Mauritius—						
Nitrate of potash ..	991	988	1,482	988	} 25,015	} 20,527
Nitrate of soda ..	4,940	6,916	6,622	7,600		
Ammonium chloride ..	—	—	—	—		
Ammonium sulphate ..	19,566	14,078	21,828	22,437		
Nigeria—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	(a)	4,390
Northern Rhodesia—						
Nitrates ..	—	8	72	119	95	(c)
Ammonium compounds	570	511	837	827	903	(c)
Southern Rhodesia—						
Nitrates (incl. fertilizers)	1,449	1,559	1,577	2,292	4,404	(d) 2,713
Anhydrous ammonia ..	11	20	19	19	33	} (d) 1,112
Ammonium compounds	(a)	(a)	(a)	(a)	(a)	
South West Africa—						
Anhydrous ammonia ..	6	8	9	10	1	(a)
Tanganyika—						
Synthetic nitrate of soda, calcium and ammonia	101	2	21	25	10	} 1,423
Other nitrogen fertilizers	695	813	853	4,891	—	
Union of South Africa—						
Nitrate of soda ..	248	288	—	—	—	(a)
Ammonium sulphate ..	23,892	33,569	41,275	44,349	34,769	(a)
Ammonium chloride ..	777	599	1,306	317	361	(a)
Ammonium nitrate ..	27,484	26,396	16,136	34,489	22,137	15,057
British Guiana—						
Nitrogen fertilizers ..	15,147	10,329	17,967	12,831	10,855	12,455
British West Indies—						
Barbados—						
Nitrate of soda ..	1,253	—	—	—	—	—
Ammonium sulphate	7,582	6,222	12,137	10,039	9,682	9,365
Jamaica—						
Nitrogen fertilizers	9,313	10,844	15,954	10,909	17,370	20,288
St. Vincent—						
Ammonium sulphate	560	199	504	825	265	544
Trinidad and Tobago—						
Ammonium sulphate	5,715	5,275	8,916	11,503	8,615	12,204
Canada—						
Nitrate of potash ..	439	448	634	350	539	442
Nitrate of soda ..	16,938	17,486	23,613	20,042	17,904	16,044
Ammonium sulphate ..	125	92	281	754	18,977	12,591
Ammonium chloride ..	388	351	1,128	262	339	396
Ammonium nitrate ..	148	652	1,279	1,251	718	727
Anhydrous ammonia ..	525	5,714	1,214	7,620	7,502	24,127
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	(a)	942

(a) Information not available.

(b) Excess of re-exports.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954			
BRITISH COUNTRIES									
<i>(cont.)</i>									
Ceylon—									
Nitrate of potash refuse	—	2	—	—	1	—			
Nitrate of soda	3,665	29	—	—	—	25			
Ammonium sulphate ..	54,345	49,790	86,306	51,372	77,428	89,601			
Cyanamide ..	292	160	196	281	403	363			
Cyprus—									
Ammonium sulphate ..	(a)	(a)	(a)	(a)	6,750	4,878			
Ammonium chloride ..	6	6	6	3	6	6			
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	3,108	5,526			
Hong Kong (total imports)—									
Nitrate of potash ..	(a)	(a)	(a)	(a)	251	362			
Nitrate of soda ..	—	264	—	—	310	—			
Ammonium sulphate ..	39,447	100,329	105,195	156,594	108,185	306,892			
Synthetic nitrates ..							17	6,189	4,862
Ammonium chloride ..							(a)	1,675	107
India—									
Nitrate of soda ..	33,769	583	10,710	3,705	9,794	8,444			
Ammonium sulphate ..	121,297	410,907	84,684	33,615	77,824	83			
Ammonium phosphate ..	18,666	—	—	1,350	300	—			
Ammonium chloride ..	4,438	1,508	4,443	2,729	4,123	4,293			
Other ammonium salts	817	399	2,809	243	646	1,968			
Anhydrous ammonia ..	144	91	137	45	101	81			
Other nitrogen fertilizers	6,428	12,989	450	5,584	4,300	2,119			
Malaya (total imports)—									
Nitrogen fertilizers ..	17,131	22,311	29,154	35,964	24,546	42,820			
Anhydrous ammonia ..	(a)	1,472	1,757	561	1,860	2,014			
Pakistan (b)—									
Nitrate of soda ..	(a)	(a)	60	5	30	5			
Ammonium sulphate ..							9,448	5,593	92
Ammonium chloride ..							26	40	13
Other ammonium salts							274	134	122
Anhydrous ammonia ..							68	59	182
151									
Sarawak—									
Ammonium sulphate ..	(a)	(a)	(a)	(a)	(a)	663			
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	(a)	23			
Australia—									
Nitrate of potash ..	218	269	805	180	180	351			
Nitrate of soda ..	15,324	13,270	12,750	10,119	5,410	(c) 6,963			
Ammonium chloride ..	120	21	59	31	(c) 19	(c) 52			
Ammonium sulphate ..	28,485	42,749	28,982	10,736	6,163	36,316			
Ammonium nitrate ..	1,218	535	3,092	4,276	(c) 1	(c) 1,144			
Other nitrogen fertilizers	(c) 33	86	55	15	(c) 22	(c) 72			
New Zealand—									
Nitrate of potash ..	4	91	64	50	79	39			
Nitrate of soda ..	3,204	3,007	4,042	3,302	3,427	3,103			
Ammonium sulphate ..	3,059	4,254	4,746	4,567	2,782	4,536			
Ammonium chloride ..	131	338	235	452	227	259			
Ammonium nitrate ..	66	4	21	139	12	420			
Anhydrous ammonia ..	110	83	83	75	47	40			
Cyanamide ..	2	—	503	454	2,211	5,287			
Fiji—									
Ammonium sulphate ..	2,989	4,573	3,508	4,110	4,333	5,368			
Irish Republic—									
Nitrate of potash ..	141	215	95	90	(a)	(a)			
Nitrate of soda ..	6,037	159	5,788	6,032	100	(a)			
Ammonium sulphate ..	25,844	31,185	36,700	25,202	51,483	47,723			
Liquid ammonia ..	633	669	698	(a)	415	546			
Anhydrous ammonia ..	56	57	80	73	58	57			

(a) Information not available.

(b) Years ended March 31 following that stated. (c) Years ended June 30 of that stated.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
Austria—						
Nitrate of lime ..	(a)	(a)	2,928	5,404	2,067	2,068
Nitrate of potash ..	119	205	206	160	221	341
Cyanamide ..	(a)	6,941	4,886	—	884	930
Ammonium chloride ..	17	176	322	202	75	24
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	27	113	124	2	1,176	1,102
Nitrate of soda ..	63	14,162	5,957	25,264	21,715	41,406
Nitrate of lime ..	100	—	1	318	3,361	863
Cyanamide ..	—	137	728	—	80	62
Ammonium sulphate ..	20	6,673	1,694	2,750	31,886	5,379
Ammonium chloride ..	597	739	546	644	1,050	2,449
Ammonium nitrate ..	—	3,497	478	8,205	44,850	1,856
Anhydrous ammonia ..	6,226	(a)	11,543	(a)	2,162	9,850
Denmark—						
Nitrate of potash ..	587	738	939	567	692	972
Nitrate of soda ..	73,600	44,136	40,187	14,076	14,912	25,633
Nitrate of lime ..	241,030	305,619	361,281	357,961	436,634	478,991
Ammonium sulphate ..	9,501	32,182	14,436	9,685	109	7,293
Ammonium chloride ..	430	820	1,024	409	938	636
Ammonium nitrate ..	198	216	61,662	21,365	32,601	25,063
Cyanamide ..	2,188	3,937	787	—	143	73
Finland (total imports)—						
Nitrate of potash ..	55	30	100	100	67	99
Nitrate of soda ..	241	607	565	275	464	658
Nitrate of lime ..	38,742	40,209	29,276	62,525	32,496	28,588
Ammonium nitrate ..	10,811	7,262	6,168	31,197	25,284	38,771
Ammonium sulphate ..	541	23,434	61,504	36,911	24,496	31,154
Ammonium chloride ..	136	42	319	166	219	260
Liquid ammonia ..	450	402	555	267	30	7
France—						
Nitrate of soda ..	107,340	139,242	147,097	59,834	84,660	138,665
Nitrate of lime, etc. ..	22,259	—	1,699	—	—	—
Ammonium sulphate (b)	10,553	—	25,111	33,602	2,981	25,952
Ammonium nitrate ..	99,430	23,385	28,157	14,452	7,985	19,024
Ammonium chloride ..	158	1,063	791	616	938	1,402
Anhydrous ammonia ..	13,889	16,077	25,722	19,440	374	1,222
Cyanamide ..	7,577	25,869	—	946	—	—
Liquid ammonia ..	—	2	16	1	1	—
Germany (Federal)—						
Nitrate of potash ..	34	—	10	—	49	157
Nitrate of soda ..	—	—	3,978	—	520	—
Ammonium nitrate ..	97,833	32,613	—	—	—	—
Greece—						
Nitrate of potash ..	31	126	123	96	43	179
Nitrate of soda ..	3,953	16,671	46,522	20,625	679	44,626
Ammonium nitrate ..	326	26,053	27,594	8,544	3,100	12,172
Ammonium sulphate ..	47,254	23,943	58,645	16,869	65,577	82,294
Liquid ammonia ..	1,169	745	1,224	1,115	741	6,132
Iceland—						
Nitrate of lime ..	1,968	1,462	—	30	—	(a)
Nitrate of soda ..	492	—	—	—	—	(a)
Ammonium nitrate ..	2,391	2,705	7,135	—	—	(a)
Lime ammonium nitrate ..	4,500	4,913	2,461	11,121	13,780	(a)
Nitrophoska ..	(a)	(a)	295	738	1,083	(a)
Other nitrogen fertilizers	1,715	244	177	(a)	(a)	(a)
Italy—						
Nitrate of potash ..	1,574	1,839	1,320	928	1,038	1,034
Nitrate of soda ..	4,496	40,564	25,666	18,688	41,794	50,542
Nitrate of lime ..	2,294	10,488	7,814	5,866	5,437	—
Ammonium chloride ..	224	487	413	408	589	1,065
Ammonium nitrate ..	31	906	5,038	1,613	5,470	2,379
Cyanamide ..	4,103	8,313	2,948	8,501	1,476	—

(a) Information not available.

(b) May include some "ammonium nitrate".

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Nitrate of potash ..	718	1,891	1,647	1,537	1,075	1,461
Nitrate of soda ..	33,160	31,332	1,956	5,494	14,578	38,267
Nitrate of lime ..	13,108	28	314	2,489	15	39
Ammonium sulphate ..	2,340	6,912	285	11	6,818	7,876
Ammonium chloride ..	241	810	974	613	906	1,207
Ammonium nitrate ..	67,568	5,617	—	1	1	2
Lime ammonium nitrate	—	177,074	109,756	38,937	110,096	115,040
Cyanamide ..	19,501	17,178	12,795	10,260	7,028	5,313
Other nitrogen fertilizers	15,812	—	—	536	2,044	8,512
Norway—						
Nitrate of potash ..	169	106	203	80	129	199
Nitrate of soda ..	—	—	—	—	—	3
Ammonium sulphate ..	—	266	266	145	156	145
Portugal—						
Nitrate of potash ..	173	—	1	153	280	353
Nitrate of soda ..	29,708	26,969	22,775	32,046	22,645	38,364
Nitrate of lime ..	(a)	(a)	(a)	(a)	1,067	2,669
Ammonium sulphate ..	37,630	84,804	104,588	60,722	79,427	138,515
Ammonium chloride ..	774	1,753	61	53	56	60
Ammonium nitrate ..	8,194	1,027	1,401	2,307	5,936	2,747
Cyanamide ..	2,954	6,882	14,745	4,759	6,751	6,011
Lime ammonium nitrate	4,563	1,030	2,095	15,045	25,000	37,507
Nitro-phoska ..	(a)	(a)	(a)	(a)	2,664	3,489
Anhydrous ammonia ..	(a)	349	418	460	406	289
Liquid ammonia ..	(a)	47	29	27	19	18
Spain—						
Nitrate of soda ..	101,670	162,818	30,555	68,295	142,412	(a)
Cyanamide ..	2,341	3,742	226	5	—	(a)
Ammonium sulphate ..	57,751	175,223	172,194	300,471	122,793	(a)
Ammonium chloride ..	1,424	12,465	16	43	—	(a)
Synthetic nitrates ..	27,089	93,004	112,787	112,870	63,176	(a)
Sweden—						
Nitrate of potash ..	610	542	675	382	636	700
Nitrate of soda ..	37,944	34,370	36,174	29,706	23,713	36,226
Nitrate of lime ..	131,916	210,194	284,563	280,700	247,864	294,364
Ammonium nitrate ..	2,444	6,378	7	2	22	106
Ammonium sulphate ..	15	3,833	8,825	1,677	1,782	2,204
Ammonium chloride ..	403	634	440	285	671	1,135
Cyanamide ..	2,529	2,952	—	3,931	4,862	—
Switzerland—						
Nitrate of potash, crude	—	—	—	98	99	1
Nitrates of potash and soda, purified ..	319	932	547	513	661	475
Ammonium sulphate, etc. ..	12	1,089	419	130	558	542
Ammonium chloride ..	323	516	798	269	360	606
Liquid ammonia ..	—	49	5	14	3	2
Yugoslavia—						
Nitrate of potash ..	(a)	98	222	219	1	1,080
Nitrate of soda ..		9,399	12,210	6,097	5,843	10,521
Ammonium chloride ..		82	141	172	(a)	(a)
Ammonium sulphate ..		295	79	113	8,061	8
Ammonium nitrate ..		2,599	8,930	3,932	(a)	(a)
Other nitrogen fertilizers		(a)	(a)	(a)	4,441	76,105
Algeria—						
Nitrate of potash ..	16	38	22	20	13	21
Nitrate of soda ..	583	345	384	340	459	909
Nitrate of lime ..	537	2,216	4,104	3,269	3,279	4,680
Ammonium sulphate ..	14,183	14,401	21,608	9,949	16,937	20,619
Ammonium nitrate ..	527	3,664	2,617	1,486	3,957	5,035
Cyanamide ..	59	578	274	320	89	430
Liquid ammonia ..	80	123	106	95	84	98

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Egypt—						
Nitrate of soda ..	339,138	348,158	246,893	274,541	171,428	96,288
Nitrate of lime ..	50,732	196,600	177,999	190,073	236,702	186,218
Ammonium sulphate ..	61,895	17,452	65,488	38,297	28,846	81,080
Ammonium chloride ..	569	485	486	577	433	(a)
Ammonium nitrate ..	104,467	68,278	69,838	37,938	66,896	158,322
Ammonium sulpho-nitrate ..	(a)	197	8,226	8,566	12,459	(a)
Nitro-chalk ..	—	—	—	492	—	—
Morocco (French)—						
Nitrate of soda ..	285	246	240	188	40	(a)
Ammonium sulphate ..	3,987	5,488	4,299	9,392	9,160	(a)
Reunion—						
Ammonium sulphate ..	(a)	(a)	(a)	5,933	6,098	7,374
Tunis—						
Nitrate of potash ..	29	(a)	15	(a)	70	19
Nitrate of soda ..	209	(a)	275	(a)	302	171
Nitrate of lime ..	97	(a)	88	(a)	93	221
Ammonium sulphate ..	695	(a)	1,239	(a)	1,612	2,771
Cuba—						
Nitrate of potash ..	13,143	16,842	22,066	(a)	(a)	(a)
Nitrate of soda ..	11,713	7,904	13,496	(a)	(a)	(a)
Ammonium sulphate ..	21,913	28,741	44,263	(a)	(a)	(a)
Anhydrous ammonia ..	198	443	148	(a)	(a)	(a)
Mexico—						
Nitrate of soda ..	5,628	7,962	12,334	11,007	9,352	15,119
Ammonium sulphate ..	10,947	14,543	2,842	50	23	8,108
Ammonium nitrate ..	3,624	4,405	6,783	5,156	4,046	10,121
Liquid ammonia ..	1,338	1,701	2,376	1,302	1,730	1,609
United States—						
Nitrates of potash and soda, crude ..						
	6,074	18,240	7,365	14,696	11,175	7,874
Nitrate of potash ..	6	175	5,866	23,426	15,131	776
Nitrate of soda ..	603,163	549,709	648,196	602,972	507,922	653,152
Nitrate of lime ..	34,474	39,581	49,771	35,237	60,530	61,283
Ammonium sulphate ..	94,195	128,154	192,952	212,556	467,730	272,332
Ammonium chloride ..	739	5,332	2,995	1,663	1,901	1,560
Ammonium nitrate ..	123,836	198,948	306,359	406,079	681,590	468,695
Ammonium phosphates ..	112,745	95,215	120,575	119,032	148,658	146,547
Cyanamide ..	103,469	87,254	60,921	85,888	73,409	75,188
Argentina—						
Nitrate of potash ..	474	114	(a)	142	370	504
Nitrate of soda ..	25,923	28,723	(a)	20,908	7,183	20,405
Ammonium sulphate ..	1,829	1,078	(a)	6,855	6,346	10,889
Anhydrous ammonia ..	1,036	204	(a)	13	—	—
Brazil (total imports)—						
Nitrate of potash ..	881	(a)	1,988	1,354	177	2,055
Nitrate of soda ..	37,639	61,509	70,332	45,547	77,736	43,750
Ammonium nitrate ..	379	(a)	1,018	508	1,014	1,578
Ammonium sulphate ..	803	(a)	21,314	6,383	21,164	23,215
Cyanamide ..	167	(a)	61	194	—	71
Liquid ammonia ..	37	(a)	73	58	—	10
Anhydrous ammonia ..	234	(a)	412	201	10	16
Chile—						
Ammonium chloride ..	246	266	401	967	(a)	(a)
Ammonium sulphate ..	31	22	29	6	(a)	(a)
Ammonium nitrate ..	6,196	2,263	4,996	4,643	3,354	1,116
Liquid ammonia ..	11	8	6	16	(a)	(a)
Anhydrous ammonia ..	104	33	285	128	(a)	(a)

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Colombia—						
Nitrate of potash ..	158	289	137	106	263	273
Nitrate of soda ..	2,313	1,633	1,636	1,035	612	1,857
Ammonium chloride ..	(a)	(a)	267	87	58	113
Ammonium sulphate ..	(a)	(a)	6,716	3,841	2,706	3,472
Other nitrogen fertilizers	(a)	(a)	704	1,434	5,454	(a)
Peru—						
Nitrate of potash ..	—	14	53	21	41	55
Nitrate of soda ..	10,288	7,383	8,456	9,648	7,063	6,710
Liquid ammonia ..	123	26	172	40	49	86
Anhydrous ammonia ..	(a)	35	183	105	106	171
Other nitrogen fertilizers	2,193	5,687	13,937	15,354	18,303	20,921
Uruguay—						
Nitrate of potash ..	106	41	9	984	571	(a)
Nitrate of soda ..	708	330	409	514	1,808	(a)
Ammonium sulphate ..	314	392	900	223	1,443	(a)
Liquid ammonia ..	149	168	(a)	(a)	(a)	(a)
Venezuela—						
Nitrate of potash ..	224	82	88	59	213	(a)
Nitrate of soda ..	259	448	400	685	986	40,274
Ammonium sulphate ..	676	1,786	206	790	2,492	12,961
Liquid ammonia ..	70	30	(a)	60	105	5
Formosa—						
Ammonium sulphate ..	(a)	128,147	74,950	80,540	120,474	286,283
Israel—						
Nitrate of soda ..	148	15	(a)	(a)	(a)	(a)
Ammonium sulphate ..	7,223	14,409	26,622	10,439	18,203	40,274
Nitrogen fertilizers ..	3,745	3,943	5,177	4,315	2,848	12,961
Anhydrous ammonia ..	33	30	61	73	12	5
Japan—						
Nitrate of soda ..	(a)	—	6,854	5,572	6,658	8,883
Ammonium sulphate ..	(a)	200,643	—	—	—	—
Ammonium nitrate ..	195,097	73,342	—	—	—	—
Korea (b)—						
Nitrate of soda ..	}	(a)	(a)	12,360	—	(a)
Ammonium sulphate ..				223,345	501,945	(a)
Ammonium nitrate ..				221	—	(a)
Ammonium chloride ..				315	—	(a)
Lime ammonium nitrate				—	29,968	(a)
Cyanamide ..				217	12,474	(a)
Philippine Republic—						
Nitrate of potash ..	20	5	435	16	37	78
Nitrate of soda ..	—	36	3	—	43	2
Ammonium sulphate ..	24,691	76,171	48,888	86,478	56,088	23,880
Turkey—						
Nitrate of soda ..	690	69	1,240	2,929	488	1,477
Ammonium chloride ..	304	207	406	569	382	103
Ammonium sulphate ..	—	—	1	2	—	2
Ammonium nitrate ..	147	169	532	—	492	10
Liquid ammonia ..	25	111	49	34	133	40

(a) Information not available.

(b) Years ended July 31 of that stated.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	45,600	45,700	45,200	55,500	54,800	59,100
Shale oil ..	112,500	111,600	104,600	106,500	104,100	99,600
Union of South Africa—						
(Shale oil) (c) ..	37,581	39,569	37,514	32,997	38,403	34,613
Canada (b) ..	2,636,443	3,626,245	6,027,283	7,751,560	10,240,367	12,086,089
Barbados ..	24	—	—	—	—	—
Trinidad (b) ..	2,945,246	2,947,489	2,977,531	3,036,811	3,192,275	3,375,618
Bahrain Islands (e) ..	1,473,096	1,476,663	1,474,742	1,475,104	1,482,967	1,456,600
British Borneo—						
Brunei ..	3,337,027	4,051,010	4,891,784	4,993,687	4,803,603	4,712,241
Sarawak ..	56,752	56,601	51,702	49,944	49,057	70,190
India (b) ..	257,572	251,804	260,400	258,752	267,245	301,834
Pakistan ..	134,457	183,000	193,985	226,200	251,700	277,800
Kuwait (e) ..	12,183,669	17,018,666	27,783,170	37,042,122	42,529,558	46,969,415
Qatar (e) ..	—	1,551,853	2,332,214	3,245,343	3,997,926	4,704,423
Australia ..	140	160	270	—	—	—
New Zealand ..	965	948	758	1,236	1,135	979
TOTAL ..	23,221,000	31,361,000	46,180,000	58,270,000	67,010,000	74,150,000
FOREIGN COUNTRIES						
Albania ..	300,000	345,000	300,000	100,000	160,000	202,000
Austria (d) ..	1,250,000	1,500,000	2,100,000	2,982,100	3,174,000	3,227,000
Czechoslovakia (d) ..	60,000	80,000	95,000	178,000	192,000	198,000
France ..	56,632	125,097	286,135	343,700	361,400	500,000
Germany (Federal) ..	828,284	1,100,949	1,345,100	1,727,705	2,154,135	2,624,000
Hungary (d) (f) ..	489,000	520,000	587,000	686,000	820,000	1,175,000
Italy ..	9,072	8,050	17,367	62,508	83,941	70,996
Netherlands ..	611,131	693,708	703,024	703,712	807,000	924,000
Poland (d) ..	150,000	175,000	180,000	230,000	240,000	250,000
Roumania (d) ..	4,600,000	5,200,000	6,400,000	8,300,000	9,200,000	9,900,000
U.S.S.R. (d) ..	33,000,000	37,200,000	41,600,000	46,600,000	51,200,000	58,200,000
Yugoslavia ..	62,241	108,600	145,793	149,144	169,995	212,856
Algeria ..	267	3,390	8,040	45,298	88,332	78,700
Egypt ..	2,209,287	2,305,925	2,295,343	2,315,023	2,314,111	1,938,978
Morocco (French) ..	17,203	38,695	74,472	99,431	100,990	116,085
Cuba ..	20,000	15,000	13,000	15,000	21,000	22,000
Mexico (b) ..	8,746,100	10,156,056	10,761,000	10,854,700	10,046,000	11,782,000
United States (b) ..	252,321,000	270,352,600	307,905,600	313,676,200	322,887,900	317,304,500
Argentina (f) ..	3,202,396	3,326,044	3,468,366	3,494,000	4,039,000	4,171,000
Bolivia ..	89,173	82,000	66,000	68,000	60,300	156,000
Brazil ..	14,060	37,823	(f) 92,925	(f) 100,944	(f) 123,194	133,517
Chile ..	16,000	79,000	95,000	116,700	161,480	222,700
Colombia (b) ..	4,186,200	4,797,091	5,520,986	5,438,193	5,553,586	5,631,059
Ecuador ..	341,717	350,959	361,000	378,590	395,250	419,524

*Excluding Natural Gasoline. See page 218. (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, Pakistan 7.0, 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) British Protected State.

(f) Revised.

PRODUCTION OF CRUDE PETROLEUM (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Peru	1,936,637	2,018,183	2,104,993	2,306,290	2,253,372	2,417,116
Venezuela	69,343,100	78,611,400	89,456,000	94,925,000	92,623,000	99,461,000
Burma	35,118	66,902	100,414	100,470	127,765	178,460
China (b)	100,000	135,000	109,000	100,000	115,000	394,000
Formosa	3,000	3,000	2,830	2,400	2,350	4,620
Indonesia	5,839,472	6,312,315	7,327,145	8,388,780	10,063,826	10,604,957
Iran	26,807,000	31,750,000	c16,176,600	b 1,250,000	b 1,140,000	b 2,700,000
Iraq	4,116,267	6,544,913	8,548,800	18,553,290	27,740,366	30,146,447
Japan	191,400	289,000	327,000	298,000	294,000	297,000
Netherlands New Guinea (d)	(a)	(a)	228,000	239,000	237,000	491,200
Saudi Arabia	22,820,783	26,196,852	36,608,585	39,870,805	40,887,754	46,136,583
Turkey	14,522	16,700	18,800	21,354	26,126	58,000
Neutral Zone (e)	—	—	—	—	—	833,000
TOTAL	444,400,000	490,500,000	545,400,000	564,700,000	589,900,000	613,200,000
WORLD'S TOTAL	467,620,000	521,860,000	591,600,000	623,000,000	656,900,000	687,300,000

(a) Information not available.

(b) Estimated.

(c) Anglo-Iranian Oil Co. only.

(d) Exports.

(e) Neutral Zone of Kuwait and Saudi Arabia.

PRODUCTION OF NATURAL GASOLINE

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada	54,255	50,725	58,526	65,895	68,451	76,541
Trinidad (b)	19,260	19,485	22,845	23,239	30,017	32,991
FOREIGN COUNTRIES						
Italy	(a)	1,776	3,736	26,122	49,771	56,667
Egypt	(a)	11,115	12,520	9,408	(a)	(a)
Mexico	(a)	158,000	(a)	158,500	(a)	192,672
United States	17,925,000	20,881,000	23,496,000	25,649,000	27,378,000	28,475,000
Argentina	8,301	7,926	9,174	(a)	(a)	(a)
Colombia	(a)	(a)	(a)	90,646	91,615	127,035
Ecuador	(a)	(a)	(a)	15,240	16,046	18,295
Peru	110,884	109,696	123,278	118,678	121,494	(a)
Venezuela	181,800	215,300	256,900	275,000	361,000	359,000
Formosa	(a)	(a)	796	675	707	594
WORLD'S TOTAL (c)	18,600,000	21,600,000	24,300,000	26,400,000	28,200,000	29,500,000

(a) Information not available.

(b) Incomplete as 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	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Union of South Africa ..	12	12	13	12	11	10
Barbados	69	74	106	154	151	122
Canada	60,457	67,822	79,461	88,686	100,986	122,855
Trinidad	32,287	32,312	31,725	31,503	34,597	37,995
Brunei (c)	1,665	1,829	1,752	1,780	2,076	2,404
New Zealand	—	—	—	—	6	5
FOREIGN COUNTRIES						
Austria	2,098	1,769	1,716	1,725	1,962	2,657
France	8,059	8,690	9,973	9,408	8,634	9,147
Germany (Federal) ..	1,922	2,386	2,715	3,399	3,657	5,303
Hungary	4,414	(a)	(a)	(a)	(a)	(a)
Italy	8,808	17,997	34,124	50,956	80,506	105,322
Roumania	77,693	63,540	81,190	(a)	123,550	(a)
Yugoslavia	294	511	474	489	2,581	3,183
Morocco (French) ..	—	—	—	13	151	290
Mexico	41,954	59,244	83,950	93,273	94,432	102,815
United States	5,419,736	6,282,060	7,457,359	8,013,457	8,425,000	8,656,000
Argentina	23,793	26,644	29,289	(a)	(a)	(a)
Ecuador	(a)	(a)	(a)	(a)	(a)	(a)
Peru	(a)	(a)	28,885	(a)	(a)	(a)
Uruguay	20	27	36	(a)	(a)	(a)
Venezuela (d)	496,733	555,766	674,973	740,708	730,212	764,032
Formosa	(a)	(a)	1,065	982	1,092	1,026
Indonesia	17,777	22,088	27,930	38,007	49,356	56,343
Japan	2,051	2,441	2,924	3,216	3,902	4,626
Saudi Arabia	20	49	43	46	48	42

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural gas are not published by all countries.

* So far as possible the figures represent only that part of the gas produced which is actually utilized.

(a) Information not available.

(b) Estimated.

(c) Total production amounted to 20,483 in 1949 and 26,615 in 1950.

(d) Total production.

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
France	52,834	82,270	70,501	71,915	84,319	76,800
Germany	(a)	97,478	114,302	111,952	127,157	136,139
Italy	235,577	251,505	264,670	216,742	237,271	324,971
Angola	14,764	7,301	17,482	21,281	16,967	19,465
Belgian Congo	(a)	(a)	128	171	734	226
United States (sales) ..	1,027,617	1,057,746	1,230,745	1,402,409	1,286,200	1,194,484
Philippine Republic ..	44,500	51,983	29,842	27,923	9,793	2,929
Syria	16,925	14,458	14,115	9,874	12,812	15,542

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.

PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Trinidad	145,160	132,846	154,705	170,595	143,342	142,101
FOREIGN COUNTRIES						
Albania	(a)	26,000	(a)	(a)	50,000	(a)
Spain	7,982	10,455	7,594	6,731	7,097	(a)
French West Africa— Bitumen	—	—	—	200	—	—
Mexico (exports) ..	4	6	25	—	—	—
United States (sales)— Gilsonite	45,948	59,095	58,501	54,232	54,022	67,806
Wurtzilite	—	—	—	—	—	—
Argentina— Impsonite	76,090	46,100	14,000	12,368	11,705	14,285
Grahamite	1,560	(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.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	1,402,694	1,452,287	1,411,707	1,401,191	1,385,665	1,356,218
Union of South Africa (b)	203,867	212,613	196,596	191,583	276,296	257,407
Australia	120,956	98,487	78,564	21,661	—	—
FOREIGN COUNTRIES						
Austria	894	628	985	753	942	1,038
France	487,249	551,035	372,604	338,040	308,000	243,000
Spain	73,321	49,951	52,285	156,111	189,119	237,591
Sweden (c)	1,235,787	1,532,970	1,463,447	1,630,271	1,901,744	1,793,034

NOTE.—Oil-shale is known to have been 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.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES*

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (d)—						
Aviation and motor spirit	989,800	1,642,600	2,884,900	4,851,800	6,311,700	7,124,000
Other spirit	107,900	130,200	217,400	220,400	244,900	108,000
Kerosine	130,400	161,400	233,800	556,000	538,600	748,000
Gas oil and diesel oil ..	1,207,700	1,913,700	3,096,000	3,791,700	4,261,500	4,192,000
Fuel oil	2,316,900	3,772,500	7,834,400	10,294,800	11,116,700	11,369,000
Fuel used in refineries	491,100	595,800	771,400	1,162,100	1,513,000	1,906,000
Lubricating oil	372,200	422,000	409,500	368,500	362,300	587,000
Bitumen	555,700	637,200	750,300	715,800	722,400	808,000
Paraffin wax	14,200	15,600	15,300	14,738	17,800	17,000
Canada (b)—						
Aviation spirit	45,153	40,656	45,407	52,283	66,861	59,619
Motor spirit	4,676,207	5,204,227	6,000,013	6,644,460	7,315,979	7,909,645
Naphtha	118,989	118,914	122,334	103,996	105,471	103,637
Kerosine	510,215	713,957	1,013,040	931,165	1,101,429	1,237,282
do. Power	137,774	112,228	62,225	47,571	38,844	9,576
Aviation turbine fuel ..			29,475	48,188	146,277	205,599
Gas oil, etc.	1,156,639	1,555,114	1,973,428	2,093,566	2,491,528	3,165,361
Diesel oil	814,871	942,813	1,026,889	1,327,781	1,485,580	1,746,973
Fuel oil	2,895,424	3,129,582	3,446,737	3,986,520	4,238,075	4,376,188
do. (used in refineries)	545,238	603,312	689,675	712,762	763,359	(a)
Lubricating oil	230,179	233,342	266,451	237,287	228,503	222,448
Grease	13,560	15,013	15,214	14,152	15,349	13,905
Coke	104,794	109,099	147,044	181,596	213,092	(a)
Asphalt	627,710	662,698	781,991	859,348	888,845	923,594
Trinidad—						
Aviation spirit	129,479	174,152	191,220	190,417	189,619	193,353
Motor spirit	580,529	569,187	630,404	650,819	804,460	840,059
White spirit	295	338	314	55	302	224
Kerosine	63,574	60,317	84,552	109,614	97,730	79,538
do. Power	195,042	163,891	347,512	473,404	411,186	379,076
Gas and diesel oil	581,609	599,359	690,670	722,235	732,559	781,593
Fuel oil	2,414,576	2,359,050	2,747,178	2,551,408	2,529,705	2,472,515
Lubricating oil and greases	345	367	356	395	217	390
Bitumen	54,847	66,361	71,725	98,219	87,971	129,615
Other finished products	24,906	37,897	45,961	73,477	103,724	86,634
Bahrain Islands (c)—						
Motor spirit	1,598,000	1,771,000	2,025,304	2,203,606	2,067,200	2,253,400
Kerosine	609,000	710,000	833,564	1,121,647	1,081,300	1,058,800
Gas oil and diesel oil ..	1,169,000	1,334,000	1,303,242	1,370,455	1,580,200	1,863,800
Fuel oil	3,356,000	2,983,000	3,834,619	3,967,478	4,270,300	4,372,200
Bitumen	45,000	68,000	72,477	93,879	114,300	111,300
India—						
Motor and other spirits	57,000	52,300	53,100	47,100	50,600	57,000
Kerosine	60,000	63,600	64,700	63,600	70,500	69,100
Gas and diesel oils	41,000	42,600	43,200	44,400	46,800	47,200
Fuel oil	15,000	17,100	18,600	23,200	17,000	23,400
Lubricating oils	20,000	13,400	23,300	16,000	15,900	15,200
Paraffin wax	32,000	26,700				47,000
Other refined products	4,000	3,000	40,200	35,200	39,700	5,600

*This table refers to the more important products obtained and does not include in some cases items classified as "other products". It follows, therefore, that the sum of the products shown for a particular country does not necessarily represent the total refinery products produced.

(a) Information not available.

(b) Including the amounts used at the refineries except in 1954. In the case of fuel oil these amounts are shown separately.

(c) British Protected State.

(d) Including distillation plants.

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

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kuwait (c)—						
Motor spirit	560	12,800	14,400	19,400	33,500	144,600
Kerosine	111	5,000	5,600	8,200	10,400	47,900
Gas and diesel oils	17,763	169,900	180,800	210,000	273,200	307,800
Fuel oil	73,428	665,900	752,500	814,800	863,300	1,260,400
Pakistan—						
Motor spirit	19,800	35,600	36,580	49,800	56,400	62,600
Kerosine	3,580	7,500	6,670	8,300	8,900	10,000
Diesel oil	5,180	8,770	10,700	21,400	35,100	46,400
Fuel oil	73,300	102,100	108,300	86,500	101,300	92,700
Lubricating oil.. ..	668	2,176	1,300	17,000	2,200	3,800
Sarawak—						
Motor spirit	317,980	389,857	429,067	474,935	523,770	530,194
Kerosine, power	317	317	252	312	303	295
Gas, diesel and fuel oils	1,393,513	1,464,440	1,505,536	1,612,462	1,722,783	1,767,247
Australia—						
Motor spirit	256,000	254,406	299,800	313,700	353,700	799,200
Kerosine	10,500	1,098	(a)	(a)	1,800	1,300
Gas oil	11,000	91,525	37,000	33,945	40,698	60,053
Diesel oil	73,000	34,201	115,000	108,075	123,928	328,772
Fuel oil	183,000	238,686	322,000	358,983	355,917	573,900
Lubricating oil.. ..	(b) 23,302	23,850	33,000	25,609	16,042	28,817
Grease (b)	9,589	5,103	(a)	(a)	(a)	(a)
Bitumen	52,000	60,255	79,000	93,703	104,470	138,086
FOREIGN COUNTRIES						
Belgium—						
Motor spirit	59,017	72,511	159,905	527,232	679,468	822,000
Kerosine	9,830	8,950	11,754	61,320	81,804	133,400
Gas oil	203,244	101,583	189,434	469,219	778,874	886,000
Fuel oil		151,251	388,429	1,270,132	1,318,411	1,488,000
Lubricating oil.. ..	6,673	5,961	4,667	4,237	4,902	9,400
Asphalt, etc.	53,721	79,161	79,880	83,753	86,829	89,800
Denmark—						
Gas and diesel oil	10,271	9,632	6,097	6,462	6,055	7,700
Lubricating oil.. ..	7,578	10,925	12,078	8,010	8,404	(a)
Grease	941	1,389	1,384	981	1,307	(a)
Asphalt	23,592	21,962	19,697	20,202	19,694	(a)
France—						
Motor spirit	2,422,000	3,000,000	3,796,000	4,581,300	5,064,800	5,223,000
Kerosine and white spirit	261,000	280,000	321,000	403,900	389,500	509,000
Gas and diesel oil	1,740,000	2,297,000	2,767,000	3,166,400	3,020,500	3,276,400
Fuel oil	5,364,000	6,623,000	8,918,000	10,464,000	10,586,400	10,291,000
Lubricating oil.. ..	200,000	288,000	340,000	341,300	379,400	458,000
Road oil and coke	607,000	810,000	925,000	1,057,000	835,000	985,000
Paraffin wax			10,358	11,400	16,200	20,000
Germany (Federal) —						
Aviation spirit	11,896	39,018	64,846	87,426	142,001	197,200
Motor spirit	407,326	957,227	1,495,150	1,692,447	2,035,348	2,546,373
Kerosine	71,434	83,569	50,547	48,193	51,071	230,929
Diesel oil	296,521	552,450	1,186,496	1,402,142	1,764,218	2,281,487
Fuel oil	166,092	459,234	750,444	830,969	942,538	1,580,380
Lubricating oil.. ..	300,309	540,600	366,981	378,627	385,355	332,740
Grease	2,726	4,387	4,118	5,170	6,534	7,491
Paraffin wax	15,506	12,016	25,751	23,686	22,347	35,197
Coke	30,977	32,121	37,066	52,312	77,515	187,048
Bitumen	232,525	382,449	407,108	452,741	466,305	614,714

(a) Information not available.

(c) British Protected State.

(b) Years ended June 30 of year stated.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Motor spirit	696,880	968,598	1,337,226	1,740,160	2,245,020	2,787,777
White spirit	8,160	10,679	12,620	14,428	20,271	20,727
Kerosine	225,348	294,415	462,164	606,800	807,124	987,434
Gas oil	760,557	1,023,248	1,388,694	1,784,318	2,441,056	3,107,517
Fuel oil and diesel oil ..	1,676,787	2,389,993	3,268,603	4,424,808	5,707,365	7,097,767
Lubricating oil	50,222	56,840	96,693	64,555	69,734	123,514
Coke	19,688	7,790	4,527	2,180	120	148
Bitumen	134,367	177,651	199,239	283,196	307,440	395,062
Other products	16,494	26,362	43,656	103,980	168,018	255,036
Netherlands—						
Motor spirit	678,000	1,284,000	1,615,100	1,935,000	2,129,000	2,319,000
Kerosine	(a)	78,000	189,000	236,000	496,000	626,000
Diesel oil	513,000	968,000	1,409,000	1,552,000	1,831,000	2,712,000
Residual fuel oil	1,261,000	2,716,000	2,712,000	2,817,000	3,516,000	4,492,000
Lubricating oil	1,400	20,000	34,000	27,600	44,000	55,000
Asphalt	(a)	(a)	241,000	258,000	192,000	280,000
Portugal—						
Motor spirit	67,506	67,500	68,400	84,900	19,600	150,800
Kerosine	46,346	54,600	62,100	67,100	15,700	96,700
Gas and diesel oil	40,504	53,200	80,100	115,300	25,600	146,700
Fuel oil	119,581	102,400	141,200	197,200	47,000	267,200
Spain—						
Motor spirit	(a)	64,992	86,089	197,089	311,072	344,100
Kerosine	(a)	18,446	18,635	17,485	35,466	63,000
Gas oil	(a)	67,244	88,571	222,427	272,553	355,400
Fuel oil	(a)	112,224	156,770	408,079	762,743	912,800
Paraffin wax	(a)	93	107	95	108	(a)
Sweden—						
Motor spirit	68,631	139,685	147,579	190,988	207,632	221,601
White spirit	5,511	5,298	3,528	3,967	3,858	(a)
Kerosine	29,074	36,719	44,386	61,046	109,310	115,866
Fuel oil, etc.	304,544	695,960	770,062	982,570	1,206,382	1,392,597
Lubricating oil	18,735	20,444	21,926	16,248	16,358	23,953
Asphalt	69,276	89,578	74,520	79,587	96,301	116,539
Yugoslavia—						
Motor spirit	57,632	74,804	95,040	97,848	109,545	117,615
White spirit		2,250	2,800	4,626	5,351	5,313
Kerosine	47,584	72,260	53,740	32,663	41,024	59,835
Gas oil	50,558	81,338	118,155	120,555	131,967	158,437
Fuel oil	(a)	(a)	199,800	184,000	190,000	(a)
Lubricating oil	20,752	27,796	17,184	21,281	29,178	29,018
Bitumen	(a)	(a)	19,700	21,700	54,100	(a)
Other products	(a)	(a)	6,900	14,800	18,700	(a)
Canary Islands—						
Motor spirit	116,837	187,585	133,000	206,938	194,272	202,757
Kerosine	15,747	37,287	35,000	60,282	71,483	77,813
Gas oil	136,238	154,976	117,829	127,713	141,391	148,264
Diesel oil	(a)	59,309	135,860	181,709	146,834	144,106
Fuel oil	224,196	319,516	398,235	446,777	462,016	546,161
Lubricating oil	(a)	6,171	2,120	(a)	8,041	9,185
Asphalt	21,399	56,462	44,727	46,477	55,000	75,664
Egypt—						
Motor spirit	209,694	191,247	205,122	185,578	184,931	222,425
Kerosine	114,190	147,508	207,048	215,953	204,173	216,092
Gas oil	1,600,504	37,866	39,949	51,889	47,001	73,573
Diesel oil		76,303	73,115	76,378	67,989	144,335
Fuel oil	88,706	1,602,609	1,574,585	1,685,269	1,663,892	1,482,118
Asphalt		79,110	88,451	50,500	37,612	49,195
Morocco (French)—						
Motor spirit	1,136	2,470	7,397	13,767	9,549	25,345
Kerosine	—	3,381	7,743	7,906	12,172	11,852
Gas and fuel oils	12,196	31,760	58,883	75,776	77,224	24,365

(a) Information not available.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba—						
Motor spirit	78,300	76,800	93,800	97,100	109,600	105,300
Kerosine	50,000	64,500	71,300	80,600	84,800	89,000
Gas oil and diesel oil ..	64,900	56,200	69,100	92,800	105,400	122,000
Fuel oil	25,200	33,200	73,500	55,100	49,900	59,400
Lubricating oil	(a)	(a)	2,000	1,800	3,400	3,600
Mexico—						
Motor spirit	1,210,000	1,343,112	1,473,478	1,670,441	1,810,290	1,789,864
Kerosine	591,000	568,926	697,679	778,705	871,050	895,348
Gas oil	752,000	713,108	766,833	901,963	825,426	828,142
Fuel oil	4,105,000	3,969,772	4,346,142	4,620,496	5,298,532	6,192,567
Lubricating oil	31,000	26,265	35,529	33,614	33,571	48,253
Paraffin wax	10,600	11,900	10,500	10,700	8,428	9,104
Asphalt	150,500	126,400	74,100	66,800	90,700	84,013
Netherlands West Indies						
<i>(b)—</i>						
Aviation spirit	2,167,916	2,578,693	2,651,057	} 5,485,959	5,321,427	{ 1,099,722
Motor spirit	3,221,279	2,817,375	2,837,473				} 2,691,340	2,205,970	4,153,624
Kerosine	1,277,021	1,413,286	1,668,849	} 4,852,321	1,719,253	2,627,927
Gas oil	2,119,636	2,017,960	1,531,390				} 28,607,528	3,652,925	2,556,367
Diesel oil	2,710,883	5,527,281	3,078,217	} 24,435,000	505,412	2,193,609
Fuel oil	23,348,490	27,269,736	30,272,978				} 531,393	498,729	20,795,344
Lubricating oil	303,969	239,088	227,742	} 531,393	498,729	548,009
Asphalt	203,510	341,642	249,250				} 531,393	498,729	582,145
United States—						
Aviation spirit	5,217,000	5,687,000	8,019,000	8,928,000	9,979,000	10,541,000
Motor spirit	105,065,000	111,688,000	122,635,000	127,677,000	137,894,000	138,528,000
Kerosine	13,001,000	15,083,000	17,276,000	16,838,000	16,514,000	16,830,000
Distillate fuel oil	46,069,000	54,126,000	64,559,000	70,608,000	72,215,000	74,062,000
Residual fuel oil	61,954,200	62,011,000	68,451,000	66,193,000	65,622,000	60,777,000
Lubricating oil	6,354,500	7,242,900	8,608,000	7,784,000	7,356,000	7,454,000
Paraffin wax	401,000	557,750	601,750	541,380	622,250	661,500
Coke	3,028,400	3,075,700	3,388,750	3,236,250	3,858,400	4,336,400
Asphalt	7,955,700	9,454,500	10,763,300	11,414,300	11,754,700	12,161,000
Road oil	1,224,600	1,102,200	970,500	1,113,300	1,049,000	1,147,500
Argentina—						
Aviation spirit	9,497	5,700	8,300	9,200	8,600	6,400
Motor spirit	1,201,300	1,480,400	1,387,800	1,474,000	1,476,000	1,493,000
Kerosine	435,400	578,000	661,700	738,000	818,000	806,000
Gas oil	167,440	248,700	253,100	322,000	397,000	393,000
Diesel oil	385,470	501,400	537,900	554,000	604,000	590,000
Fuel oil	1,978,950	2,482,200	2,413,800	2,653,000	3,044,000	3,356,000
Lubricating oil	96,260	83,000	98,000	108,000	86,000	103,000
Bolivia—						
Motor spirit	38,283	37,800	28,100	28,600	30,211	103,568
Kerosine	5,251	9,200	7,900	9,400	7,517	19,837
Diesel oil	5,793	5,900	5,200	6,500	8,479	30,327
Fuel oil	25,741	24,000	10,500	10,100	9,528	80,488
Brazil—						
Motor spirit	(a)	(a)	31,798	54,400	42,998	47,378
Kerosine	(a)	(a)	2,994	3,984	376	274
Diesel oil	(a)	(a)	8,087	11,294	5,412	5,065
Fuel oil	(a)	(a)	27,780	42,700	44,252	58,324
Lubricating oil	(a)	(a)	(a)	600	(a)	(a)
Colombia—						
Aviation spirit	11,539	9,527	9,691	406	457	5,413
Motor spirit	207,483	221,891	227,941	254,369	251,743	315,833
Other spirit	(a)	(a)	(a)	8,600	9,000	8,700
Kerosine	40,903	42,965	46,080	50,775	55,382	53,761
do. Power	1,523	6,283	6,605	15,655	16,097	20,316
Diesel oil	65,663	75,624	66,172	88,427	105,130	135,479
Fuel oil	889,592	894,050	932,060	436,000	1,149,113	914,169
Lubricating oil	9,687	10,946	7,438	9,556	8,561	8,587
Coke	(a)	(a)	(a)	(a)	(a)	11,538
Asphalt	29,500	24,800	21,735	24,969	32,009	47,061

(a) Information not available.

(b) Exports.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Ecuador—						
Motor spirit	59,030	62,797	65,510	66,970	67,460	74,895
Kerosine	13,890	15,515	16,750	18,106	21,040	23,484
Gas and diesel oils	36,970	33,100	32,340	39,740	45,130	46,708
Residual fuel oil	97,400	100,743	108,300	107,351	86,950	104,625
Lubricating oil	(a)	600	—	(a)	(a)	(a)
Peru—						
Motor spirit	453,273	441,874	491,126	488,396	(b) 481,120	660,600
Kerosine	138,025	150,980	189,627	206,539	239,148	287,500
Diesel oil	188,723	189,979	214,702	217,768	223,791	347,400
Fuel oil	820,130	789,270	845,939	856,604	846,489	679,300
Lubricating oil	9,556	10,647	9,932	10,124	7,707	11,300
Coke	2	15	15	11	164	(a)
Asphalt	13,318	11,283	21,575	29,104	35,334	(a)
Uruguay—						
Motor spirit	118,632	147,831	172,686	193,164	225,413	222,756
Kerosine	92,492	104,699	118,915	123,159	134,581	146,086
Gas oil	44,368	51,813	55,140	76,716	88,702	100,508
Fuel oil	411,879	398,495	482,686	577,563	643,201	704,618
Venezuela—						
Motor spirit	703,166	1,641,826	2,119,639	2,218,105	2,572,199	2,543,974
Kerosine	348,147	327,482	448,032	539,283	594,874	708,295
Gas oil	240,300	767,700	890,443	909,506	812,041	1,366,113
Diesel oil	946,900	1,612,100	2,471,689	2,810,850	3,148,167	3,018,089
Fuel oil	4,999,954	7,471,212	9,125,781	9,848,905	12,489,297	13,339,663
Lubricating oil	(a)	(a)	(a)	124,710	159,394	140,000
Asphalt	46,000	105,000	147,000	164,000	139,000	102,000
Burma—						
Motor spirit	7,980	15,998	22,378	18,110	26,077	34,121
Kerosine	5,309	11,328	18,000	21,374	22,908	29,266
Diesel oil	5,236	10,879	22,451	23,541	27,902	33,522
Fuel oil	13,330	22,637	31,313	29,044	35,038	40,187
Paraffin wax	(a)	(a)	(a)	(a)	(a)	6,266
Formosa—						
Motor spirit	(a)	(a)	56,845	57,926	78,573	88,315
Kerosine	(a)	(a)	25,503	32,131	28,050	32,344
Diesel oil	(a)	(a)	49,432	38,778	37,994	71,793
Fuel oil	(a)	(a)	121,701	104,121	120,948	168,805
Asphalt	(a)	(a)	3,123	11,356	16,696	17,518
Indonesia—						
Aviation spirit	121,540	153,460	228,245	369,318	378,474	293,245
Motor spirit	1,867,998	1,967,464	2,139,537	2,189,616	2,180,468	2,133,418
Kerosine	779,454	865,291	1,015,120	1,123,327	1,236,334	1,419,838
Fuel oil, solar oil and diesel oil	3,427,331	3,981,656	4,623,965	5,166,777	5,609,913	5,749,078
Paraffin wax	40,851	43,745	90,599	99,753	110,019	116,970
Asphalt	26,201	27,226	27,033	28,813	29,657	33,868
Iran—						
Motor spirit, etc.	4,202,000	4,324,800	c 2,169,900	—	—	(a)
Kerosine, etc.	2,210,100	2,337,700	c 1,240,300	—	—	(a)
Gas, diesel and fuel oils	15,310,800	16,147,400	c 8,116,900	—	—	(a)
Other products	221,100	242,900	c 112,800	—	—	(a)
Iraq—						
Motor spirit	66,000	68,600	78,900	81,100	81,400	84,700
Kerosine	73,500	79,500	86,500	89,100	99,300	107,400
Gas, diesel and fuel oils	217,000	229,400	257,600	288,800	301,200	290,500
Israel—						
Motor spirit	—	30,300	107,100	146,400	149,600	164,200
Kerosine	—	26,500	96,600	106,800	90,800	135,300
Gas and diesel oils	—	38,900	118,600	125,400	149,800	175,200
Fuel oil	—	87,600	366,500	376,100	343,100	349,800
Bitumen	—	2,400	24,000	8,900	16,000	21,500

(a) Information not available.

(b) Revised.

(c) Anglo-Iranian Oil Co. only.

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

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Japan—						
Motor spirit	18,686	292,678	574,927	1,001,504	1,230,898	1,448,661
Kerosine	20,791	60,915	99,416	88,944	287,017	411,295
Gas oil	12,731	95,811	259,757	358,380	420,474	561,018
Diesel oil	20,736	188,966	368,713	496,831	405,277	523,383
Fuel oil	25,418	537,829	848,115	1,606,150	2,221,498	2,715,239
Lubricating oils	38,983	138,669	270,886	204,672	279,154	300,240
Paraffin wax	(a)	(a)	8,350	11,325	18,207	(a)
Pitch	(a)	(a)	2,223	6,692	8,463	(a)
Asphalt	(a)	(a)	107,516	95,290	132,047	(a)
Lebanon—						
Motor spirit	60,611	93,860	115,655	112,212	109,756	129,342
Kerosine	32,941	60,249	61,862	64,961	62,460	48,707
Gas oil	44,632	84,249	98,691	90,982	86,841	82,253
Fuel oil	144,255	234,844	262,042	116,559	218,830	233,514
Saudi Arabia—						
Motor spirit	1,252,555	940,129	1,393,748	1,407,409	1,523,734	1,457,063
Kerosine	319,948	375,101	595,041	635,883	965,253	1,080,510
Diesel oil	1,632,503	1,441,274	3,334,787	2,191,605	2,347,067	2,411,195
Fuel oil	2,686,132	2,032,083	3,557,106	3,757,553	4,815,577	5,277,424
Asphalt	—	4,789	27,970	32,204	42,547	43,856

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Aviation spirit (bunkers) (c) ..	54,020	65,115	73,577	81,452	91,208	96,881
Motor spirit	53,710	97,892	115,525	356,601	1,009,595	1,462,303
Other spirit	4,021	11,929	38,667	19,424	59,326	31,110
Kerosine	17,183	28,496	38,343	109,572	150,534	218,221
Gas oil	33,945	73,728	147,700	356,563	942,630	940,957
Diesel oil	20,540	144,536	309,007	561,193	546,503	434,023
Fuel oil	146,163	609,167	2,354,980	3,709,988	4,315,616	4,129,012
do. (bunkers) (c) ..	2,031,746	2,228,369	2,964,318	3,451,551	3,633,975	3,867,479
Lubricating oil ..	123,264	126,742	175,500	192,546	186,161	248,014
Other refined oils ..	2,485	5,319	12,262	9,592	35,820	86,938
Mineral jelly	218	267	326	257	207	221
Paraffin wax	1,654	2,783	709	380	2,359	247
Malta (bunkers) (b)—						
Aviation spirit	12,528	14,664	3,852	27,857	29,489	30,047
Aviation turbine fuel ..	2,111	2,632	3,648	7,708	7,640	12,693
Gas oil	2,712	2,000	2,138	2,427	3,219	4,139
Fuel oil	8,919	9,530	9,559	10,916	19,346	11,262
Anglo-Egyptian Sudan—						
Aviation spirit (bunkers) (b)	8,146	6,862	6,762	9,695	10,195	(a)
Gold Coast (bunkers) (b)—						
Aviation spirit	2,576	1,923	2,108	2,194	1,399	3,093
Motor spirit	1	3	1	—	—	—
Gas oil	891	1,207	1,201	23,092	18,196	1,472
Fuel oil	14,298	28,031	28,059	9,939	2,854	18,046
Kenya (bunkers) (b)—						
Aviation spirit	4,184	5,199	7,129	6,422	258	10
Motor spirit	16	11	19	28	13	16
Gas, diesel and fuel oils (d)	137,044	130,059	116,893	136,740	115,813	111,659
Lubricating oil	227	258	289	297	304	264
Mauritius (bunkers) (b)—						
Aviation spirit	(a)	262	501	615	917	1,160
Fuel oils	836	3,975	4,642	4,466	8,413	5,266
Nigeria (bunkers) (b)—						
Diesel oil	91	3	1,064	35	14	94
Gas oil	2,410	743	1,310	2,375	1,734	1,206
Fuel oil	10,991	3,115	8,594	6,782	6,753	6,141
Sierra Leone (bunkers) (b)—						
Aviation spirit	—	248	—	—	—	—
Fuel oil	885	412	66	—	—	—
Tanganyika (bunkers) (b)—						
Aviation spirit	610	897	503	763	22	—
Gas, diesel and fuel oils (d)	9	114	641	1,371	1,507	661
Uganda (bunkers) (b)—						
Aviation spirit	1,807	1,568	724	1,604	346	—
Union of South Africa—						
Bunkers (b)—						
Motor spirit	3,994	4,041	4,830	(a)	(a)	(a)
Diesel oil	115,299	160,061	141,738	(a)	(a)	(a)
Fuel oil	343,725	370,044	388,118	(a)	(a)	(a)
Asphalt and bitumen ..	3,295	2,871	2,337	1,938	1,813	(a)

*Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons: Aviation spirit 315, Motor spirit 305, White spirit 280, Kerosine 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Asphalt 220, Road oil 220, Crude petroleum 245 (except for countries mentioned in footnote (b) on page 217).

(a) Information not available.

(c) Including foreign produce.

(b) Foreign produce. See imports.

(d) Revised conversion factor.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Canada—						
Crude petroleum (e) ..	—	—	43,263	180,311	317,382	296,829
Motor spirit	6,621	406	698	105,190	546	50,384
Kerosine, etc. ..	610	538	22	10	7	13
Fuel oil	105,273	2,668	897	551	22,975	6,471
do. (bunkers) ..	943,150	863,645	956,111	1,001,187	1,151,597	(a)
Diesel oil (bunkers) ..	178,283	187,069	207,396	198,284	193,350	(a)
Lubricating oil ..	496	255	425	352	103	167
Other oils	1,673	1,675	277	50	35	—
Mineral wax	2,278	336	4,732	911	235	625
Petroleum coke ..	19,322	60,985	51,462	50,440	33,380	40,759
British Guiana (b)—						
Aviation spirit (bunkers)	278	309	371	351	353	—
British West Indies—						
Bermuda (bunkers)						
<i>(b) (d)—</i>						
Aviation spirit ..	18,425	20,136	23,768	30,394	33,675	44,734
Motor spirit	217	189	—	—	44	603
Aviation turbine fuel	(a)	(a)	(a)	(a)	(a)	1,791
Kerosine	370	337	—	—	450	547
Fuel oil	3,158	4,022	10,082	13,448	10,743	4,991
Diesel oil	5,089	479	742	410	534	3,085
Lubricating oil ..	13	4	3	7	468	563
Jamaica (bunkers) (b)—						
Aviation spirit ..	(a)	(a)	(a)	(a)	(a)	2,164
Gas oil (c)	674	15,894	1,307	35,590	27,025	1,957
Diesel oil (c) ..	2,393	10,123	6,238	23,636	42,646	} 81,867
Fuel oil (c) ..	42,554	75,221	52,658	139,811	201,057	
Trinidad and Tobago—						
Crude petroleum ..	280,803	335,048	268,364	279,056	324,325	426,563
Aviation spirit ..	} 634,125	} 633,471	185,553	196,216	183,915	180,403
do. (bunkers) ..			10,336	11,488	7,931	8,223
Motor spirit	(f) 8,129	(f) 8,284	562,762	554,060	720,760	758,568
do. (bunkers) ..	} 238,164	} 227,705	409	15,525	20,077	105
Kerosine—Power			313,745	481,789	422,559	381,275
do. (bunkers) ..	(f) 181	(f) 199	18	4,319	7,801	1,550
Kerosine—other	} 276,978	} 284,142	71,369	107,494	74,399	60,818
do. (bunkers) ..			107	98	1,176	296
Gas oil	(f) 42,190	(f) 27,396	369,501	323,671	373,123	274,904
do. (bunkers) ..	} 1,373,827	} 1,337,684	30,384	41,786	49,588	56,865
Diesel oil			110,217	95,333	25,554	165,531
do. (bunkers) ..	1,177,823	1,084,217	147,816	210,518	263,477	241,708
Fuel oil	1,373,827	1,337,684	1,417,279	1,145,397	1,424,718	1,454,165
do. (bunkers) ..	1,177,823	1,084,217	1,192,228	1,281,811	1,082,402	892,934
Lubricating oil ..	131	65	102	110	136	158
Road oil	11,938	16,927	22,739	14,604	22,281	17,798
Asphalt—						
Crude	27	—	38	—	1	—
Dried	47,962	46,659	45,557	46,120	42,510	51,035
Asphalt cement ..	29,393	23,433	39,473	58,440	33,805	22,587
Bituminous asphalt	45,480	62,304	73,516	109,901	97,796	152,524
Falkland Islands—						
(bunkers) (b)—						
Fuel oil	1,000	19,281	17,772	31,409	21,880	11,550
Aden (bunkers) (b)—						
Fuel oil	2,138,491	2,720,861	2,243,935	2,622,960	2,743,170	2,900,551

(a) Information not available.

(b) Foreign produce. See imports.

(c) Figures for 1949 to 1953 relate to the quantities imported for bunkers. The amounts actually shipped are not available.

(d) Including bunkers for military forces.

(f) Bunkers.

(e) Revised.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Bahrain Islands (e)—						
Aviation spirit	14,207	19,555	24,795	} 2,200,215	2,014,980	{ 24,000
Motor spirit	1,562,756	1,704,725	1,963,355			
Kerosine	595,288	669,190	811,855	1,074,630	771,990	1,028,600
Diesel oil	} 1,180,995	1,277,940	1,259,165	1,148,325	1,324,640	1,576,300
do. (bunkers)				153,985	200,070	(f)
Fuel oil	} 3,400,630	2,903,215	3,823,700	3,438,750	3,640,770	3,742,200
do. (bunkers)				590,245	652,815	(g) 840,900
Asphalt	42,639	66,690	66,530	(a)	(a)	107,100
British Borneo—						
Brunei—						
Crude petroleum (b)	3,200,400	4,011,463	4,895,640	4,990,194	4,799,473	4,704,488
Natural gas (<i>million cubic feet</i>)	1,664	1,823	1,745	1,670	2,059	2,354
Sarawak—						
Crude petroleum (c)	1,768,681	2,356,997	3,206,152	3,077,254	2,789,506	2,892,768
Motor spirit	160,136	228,295	234,642	283,262	307,591	33,168
Kerosine	189	218	—	—	152	194
Gas oil	} 1,340,139	{ —	5,790	6,277	6,975	8,507
Diesel and fuel oils ..			1,415,875	1,420,734	1,475,306	1,582,261	1,593,556
do. (bunkers)	43,678	54,569	80,280	109,843	120,904	134,358
Ceylon (bunkers) (d)—						
Motor spirit	1	2	—	3,040	3,030	3,618
Gas oil	333	1,311	2,231	1,320	1,295	2,153
Diesel oil	83,531	78,849	71,145	63,485	72,845	68,922
Fuel oil	449,761	479,298	513,746	477,744	413,133	378,580
Lubricating oil	233	173	200	193	283	248
Cyprus (bunkers) (d)—						
Aviation spirit	(a)	(a)	3,686	3,680	5,042	6,477
Hong Kong (re-exports)—						
Motor spirit	55,968	52,503	15,283	3,271	1,590	955
Kerosine	37,912	26,299	7,556	3,023	1,587	2,268
Diesel oil and gas oil ..	} 74,662	55,297	13,213	5,653	5,133	4,154
Fuel oil				192	30	75
Lubricating oil	(a)	(a)	(a)	479	484	434
Greases	(a)	(a)	(a)	40	33	9
Petroleum jelly	1,203	1,217	627	40	120	74
Paraffin wax	6,997	9,308	2,559	728	62	38
Asphalt and bitumen ..	(a)	(a)	(a)	381	1,079	21
India—						
Aviation spirit (bunkers)						
Domestic produce	—	247	2,941	852	—	8
Foreign produce	8,972	11,417	6,117	13,779	20,852	26,707
Motor spirit	—	—	—	74	35	81
Fuel oil (bunkers) (d)	22,897	40,231	32,790	80,594	189,173	235,565
Paraffin wax	13,232	19,816	28,693	21,222	23,121	25,376
Kuwait (e)—						
Crude petroleum	12,010,102	15,797,037	26,623,054	35,771,961	41,034,474	45,483,146
Export distillate	11,344	161,887	177,990	191,962	222,726	182,456
Diesel oil	} —	24,940	30,495	3,058	—	11,171
do. (bunkers)				181,361	246,186	228,104
do. do. (d)	(a)	(a)	(a)	(a)	—	5,976
Fuel oil	} —	108,378	167,892	72,558	9,038	—
do. (bunkers)				717,427	837,596	857,043
do. do. (d)	(a)	(a)	(a)	(a)	107,001	149,011

(a) Information not available.

(b) Exported to Sarawak for refining. Some, however, is re-exported from Sarawak and shown as exports from that country.

(c) Including crude petroleum imported from Brunei and enriched waxy crude.

(d) Foreign produce. See imports.

(e) British Protected State.

(f) Included with fuel oil bunkers.

(g) Including diesel oil bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Malaya (including re-exports)—						
Aviation spirit	111,436	80,945	126,726	128,910	172,335	237,437
do. do. (bunkers) ..	9,221	10,916	12,699	11,939	11,913	9,024
Motor spirit	300,993	514,384	604,438	735,916	883,697	904,500
White spirit	(a)	(a)	(a)	(a)	33,345	50,731
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	2,063	149
Kerosine	89,978	113,366	143,776	235,233	301,127	330,815
do. Power	32,662	52,533	126,859	139,555	88,746	97,426
Gas oil	72,830	157,814	234,463	301,712	360,542	392,628
Diesel oil	328,364	445,221	304,692	443,777	314,419	300,834
Fuel oil	609,044	577,081	377,922	423,425	500,237	458,273
Fuel and diesel oil (bunkers)	469,891	595,500	900,256	1,298,228	1,438,648	1,679,575
Lubricating oil	4,778	4,191	4,655	4,097	4,740	5,877
Petroleum jelly		39	94	142	53	41
Grease	65	93	879	96	260	327
Paraffin wax	356	361	3,741	1,280	469	232
Asphalt and bitumen ..	1,307	1,225	1,154	5,959	8,670	10,168
Qatar (e)—						
Crude petroleum	—	1,551,853	2,266,460	3,199,360	3,902,595	4,595,710
Australia—						
Aviation spirit (bunkers) (b) (d)	4,095	4,283	4,827	10,304	7,638	11,691
Motor spirit	(b) 1,309	(b) 1,399	4,315	7,210	2,079	2,765
Kerosine	1,912	4,978	3,633	6,883	2,821	3,316
Lubricating oil	2,249	2,551	4,038	4,328	3,184	4,127
Residual and solar oils ..	5,180	7,640	7,967	18,127	8,930	64,164
Fuel oil (bunkers) (b)—						
Domestic produce	52,598	39,231	38,554	29,935	40,247	45,700
Foreign produce	385,298	360,408	431,590	432,110	387,083	376,788
Paraffin wax, etc.	7	6	3	3	1	—
Fiji (bunkers) (d)—						
Aviation spirit	3,751	3,781	3,355	3,739	5,862	5,809
Fuel oil	6,138	548	627	725	—	619
Diesel oil	1,791	627	2,709	1,085	1,198	3,610
New Zealand (bunkers) (d)—						
Aviation spirit	3,052	4,264	4,588	5,201	4,861	4,973
Diesel oil	2,693	2,983	10,577	16,454	15,127	13,939
Fuel oil	21,689	33,100	39,090	38,983	15,251	14,993
Lubricating oil	689	723	623	836	750	747
Irish Republic (bunkers) (c) (d)—						
Aviation spirit	2,831	2,769	3,669	3,024	4,115	3,017
Fuel oil	1,780	3,580	5,613	5,437	4,637	899
FOREIGN COUNTRIES						
Austria—						
Kerosine	9,932	—	—	—	—	—
Gas oil	15,367	7,736	2,669	14,053	61,424	92,137
Fuel oil	11,554	39,565	16,703	13,941	12,168	2,036
Lubricating oil, etc. ..	—	282	3,249	330	207	34
Belgium-Luxemburg						
E.U.—						
Crude petroleum	154	—	16,275	6,697	3	2
Motor spirit	6,741	31,473	31,017	262,529	279,186	186,242
Kerosine	58	1,937	1,340	26,529	40,344	61,572

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) In addition re-exports of aviation spirit, presumably to the "Shannon Free Airport", were as follows (long tons): 1949—29,602; 1950—38,743; 1951—36,014; 1952—43,236; 1953—49,845; 1954—59,992.

(d) Foreign produce. See imports.

(e) British Protected State.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.— <i>(cont.)</i>						
Gas oil	70,331	37,594	26,475	261,034	245,266	267,662
do. (bunkers) (b) ..	17,710	20,888	23,388	57,093	71,534	(e)
Fuel oil, etc. .. .	33,416	14,593	121,671	806,525	836,790	1,000,813
do. (bunkers) (b) ..	234,800	200,692	416,856	407,600	375,417	425,196
Lubricating oil .. .	48,723	59,649	62,299	49,131	50,175	65,940
do. (bunkers) (b) ..	3,739	2,690	3,624	3,723	3,651	4,218
Other heavy oils .. .	1,087	31	128	559	192	183
Petroleum jelly .. .	21	117	229	95	196	281
Paraffin wax .. .	699	93	83	28	18	81
Ozokerite and ceresin ..	291	267	135	20	10	32
Petroleum coke .. .	6,706	2,017	2,008	—	—	9
Natural asphalt .. .	129	202	347	495	335	524
Pitch	29,386	34,038	17,719	24,251	20,186	22,752
France—						
Crude petroleum .. .	11,223	8,620	7,361	16,103	49	3
Aviation spirit .. .	988	333	337	674	1,369	1,239
Motor spirit .. .	469,570	609,408	743,582	1,444,847	1,527,744	1,443,407
White spirit .. .	8,714	40,613	29,415	31,991	5,155	7,337
Kerosine .. .	76,068	87,672	135,654	291,309	263,768	396,966
Gas oil	770,765	1,316,908	1,391,275	1,681,587	1,195,427	1,240,730
do. (bunkers)—						
Domestic produce ..	(c)	(c)	212,280	235,993	243,207	259,003
Foreign produce .. .	(c)	(c)	6,534	4,780	4,676	4,289
Fuel oil	422,102	856,365	1,851,178	2,690,297	3,425,431	2,337,678
do. (bunkers)—						
Domestic produce ..	(c)	(c)	1,462,850	1,742,193	1,640,843	1,531,187
Foreign produce .. .	(c)	(c)	129,562	158,651	32,910	144,898
Lubricating oil .. .	7,700	23,795	36,289	33,146	74,059	105,495
do. (bunkers)—						
Domestic produce ..	3,334	7,507	12,388	16,869	17,169	17,943
Foreign produce .. .	9,142	7,298	6,366	4,727	3,988	3,324
Road oil, etc. .. .	66,052	136,683	166,147	154,204	187,283	229,649
Petroleum jelly .. .	24	73	55	38	29	43
Paraffin wax .. .	442	2,411	957	1,245	1,772	6,480
Ozokerite, ceresin, etc.	33	7	75	53	185	732
Petroleum coke, etc. ..	25	171	1,239	26	—	28
Asphalt and bitumen ..	4,336	12,144	11,429	14,229	15,264	15,485
Germany (Federal)—						
Crude petroleum .. .	—	1	—	—	—	799
Motor spirit .. .	6	202	79,116	130,697	206,155	281,870
Kerosine .. .	—	—	241	1,745	33,004	42,728
Gas oil	1,131	154	27	3,586	19,182	116,275
do. (bunkers) (b) ..	—	—	—	—	109,585	227,806
Fuel oil	63,579	77,796	18,744	53,743	79,748	78,843
do. (bunkers) (b) ..	20,646	19,424	76,589	84,532	233,809	510,511
Lubricating oil .. .	90	3,776	6,706	59,942	118,998	33,947
Petroleum jelly .. .	(a)	(a)	(d) 964	338	869	3,336
Paraffin wax .. .	6	1,393	3,521	5,084	12,550	17,712
Ozokerite, etc. .. .	425	1,376	1,365	408	539	436
Asphalt	4,002	1,028	904	1,455	1,090	1,281
Italy—						
Motor spirit .. .	100,039	242,432	430,841	773,408	1,305,438	1,816,654
Kerosine .. .	61,217	111,806	174,601	311,958	450,250	608,105
Lubricating oil .. .	33	6	735	5,326	6,607	70,242

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) Total bunkers of gas and fuel oils were as follows (long tons): 1949—1,257,166; 1950—1,230,071.

(d) October to December only.

(e) Included with fuel oil.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—(cont.)						
Gas oil (d)	75,003	157,146	370,500	654,885	1,085,403	1,579,498
Fuel oil	24,646	264,481	309,878	943,271	1,421,631	1,562,787
do. (bunkers)	12,464	29,728	61,692	126,374	764,082	764,324
Paraffin wax	8	5	—	33	405	1,819
Asphalt and bitumen	6,385	15,604	8,342	13,553	11,388	10,120
Pitch	(a)	(a)	9,760	27,459	28,743	68,785
Netherlands—						
Crude petroleum	—	—	17	16	—	1
Aviation spirit (bunkers)	24,720	24,364	28,820	19,052	17,947	23,343
Motor spirit	238,831	605,175	1,039,301	1,479,346	1,453,592	1,837,890
Kerosine	—	13,398	55,418	78,165	197,589	193,057
Gas oil	235,914	599,767	717,037	760,331	713,808	1,295,849
do. (bunkers) (c)	188,500	257,769	319,874	363,650	435,867	477,672
Fuel oil	546,972	1,500,996	1,219,354	1,368,174	1,805,404	2,710,258
do. (bunkers) (c)	384,558	537,757	908,138	908,209	854,041	1,032,748
Lubricating oil	20,248	55,036	62,985	56,165	64,968	157,419
Greases	(a)	6,235	7,178	6,088	4,260	19,641
Petroleum jelly	311	1,624	2,453	1,732	740	1,815
Paraffin wax	634	4,518	2,588	3,354	2,524	3,931
Ozokerite and ceresin	1,789	1,533	830	373	375	459
Asphalt	59,381	96,506	129,518	160,241	74,371	137,103
Natural asphalt	—	397	—	—	—	1
Petroleum coke	798	644	98	—	1,172	5,828
do. (bunkers)	18,950	15,773	3,576	—	—	—
Norway—						
Motor spirit	69	61	333	714	193	316
Kerosine	24	30	2	3	2	13
Fuel oil and solar oil	1,440	84	—	—	68	3,537
Lubricating oil	(a)	54	1,090	3,008	3,124	6,124
Portugal (e)—						
Motor spirit	—	550	307	19,235	1,772	79,841
Kerosine	28	137	58	574	128	16,460
Fuel oil	857	2,949	1,654	30,816	2,914	145,807
do. (bunkers) (b)	2,238	50	110	781	185	76
Lubricating oil, etc.	73	203	494	310	351	444
Other oils	4	2	10	18	7	1
Sweden—						
Motor spirit	13,757	18,579	636	1,470	1,308	5,136
Kerosine	1	1,335	21	54	30	—
Fuel oil and gas oil	2	17,126	9,895	2	19	7,337
Lubricating oil	465	342	381	281	1,306	656
Other oils	—	7	139	—	29	37
Paraffin wax	—	42	13	286	101	13
Petroleum jelly	—	—	10	—	3	1
Ozokerite and ceresin	—	15	10	—	3	14
Asphalt	1,470	113	117	24	162	32
Pitch	13,229	23,214	11,956	6,416	11,990	14,973
Switzerland—						
Motor spirit	106	3,381	3,093	590	114	276
Lubricating oil and grease	123	102	69	102	163	143
Petroleum jelly	16	2	36	10	—	8
Asphalt and bitumen	3,378	3,013	3,091	2,362	2,126	4,360
Paraffin wax and ceresin	239	14	8	5	10	9

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) Including imported oil.

(d) Including bunkers.

(e) See imports for amounts imported for bunkering national ships.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954	
FOREIGN COUNTRIES (cont.)							
Yugoslavia—							
White spirit	(a)	{	1,344	2,313	2,031	1,442	
Gas oil			4,544	25,878	15	10,856	
Fuel oil			22,568	43,239	47,675	42,426	38,104
Bitumen			—	1,279	(a)	(a)	(a)
Algeria—							
Crude petroleum	—	1,472	6,557	25,360	75,861	69,638	
Motor spirit, etc.	107	5	11	36	20	35	
Fuel oil	5	6	70	403	474	87	
Fuel oil and gas oil (b)	400,786	(a)	692,730	631,645	634,903	566,254	
Lubricating oil	24	23	202	275	8	9	
Road oil, etc.	10	1,639	1,215	812	169	—	
Canary Islands—							
Motor spirit	386,380	461,144	400,873	447,032	176,408	(a)	
Kerosine					48,261	(a)	
Gas oil (e)					74,761	(a)	
do. (bunkers) (e)					735,278	(a)	
Fuel oil (e)					104,728	(a)	
do. (bunkers) (e)					833,272	(a)	
Lubricating oil					1,960	(a)	
Petroleum jelly					175	(a)	
Asphalt	51,802	(a)					
Cape Verde Islands—							
Fuel oil (bunkers) (c)	327,883	(a)	349,499	356,379	457,797	690,849	
Ceuta (c)—							
Gas oil	(d) 214,400	(d) 69,205	(d) 380,081	(d) 365,053	1,070	(a)	
do. (bunkers)					169,555	(a)	
Fuel oil					31,559	(a)	
do. (bunkers)					73,832	(a)	
Egypt—							
Motor spirit	760	1,012	882	970	1,445	1,503	
Kerosine	1	61	520	26	—	55	
Fuel oil, etc.	6	426	995	246	293	358	
do. (bunkers for foreign ships)	420,013	326,591	302,436	207,865	128,106	128,064	
Lubricating oil	2,078	905	74	—	1	291	
Asphalt, etc.	24,342	38,237	29,085	10,695	7,923	8,379	
Morocco (French)—							
Crude, refined and residual	—	—	(a)	37,508	35,097	11,702	
Tunis (bunkers)—							
Aviation spirit	1,238	(a)	3,369	(a)	4,258	4,053	
Fuel oil	6,365	(a)	15,934	(a)	16	3	
Cuba (including re-exports)—							
Natural asphalt	27	—	—	(a)	(a)	(a)	
Mexico—							
Crude petroleum	864,230	1,673,450	1,024,152	1,769,355	525,990	658,889	
Motor spirit	5,641	50,763	30,745	20,952	5,283	5,372	
Kerosine	59,739	125,803	78,883	7,457	3,330	2,780	
Fuel oil	277,736	322,206	1,183,979	298,192	1,636,669	2,560,283	
do. (bunkers)	215,646	307,542	85,864	112,250	108,454	91,656	
Gas oil	65,982	76,018	57,463	24,362	20,068	16,599	
Lubricating oil	462	845	139	35	25	39	
Asphalt (petroleum)	7,600	7,496	—	—	—	—	
Natural asphalt	4	6	25	—	—	—	

(a) Information not available.

(b) Bunkers of foreign produce.

(c) Foreign produce. See imports.

(d) Bunkers.

(e) Including foreign produce.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands West Indies—						
Crude petroleum ..	794,005	978,052	517,928	466,757	616,198	(a)
Aviation spirit ..	2,167,916	2,578,693	2,651,057	} 5,485,959	5,321,427	{ 1,099,722
Motor spirit ..	3,221,279	2,817,375	2,837,473			
Kerosine ..	1,277,021	1,413,286	1,668,849	2,691,340	2,205,970	2,627,927
Gas oil ..	2,074,930	1,983,212	1,491,392	} 4,852,321	} 1,719,253	2,556,367
do. (bunkers) ..	44,706	34,748	39,998			
Diesel oil ..	1,992,272	1,815,920	2,229,504	} 28,607,528	} 3,652,925	2,193,609
do. (bunkers) ..	718,611	3,711,361	848,713			
Fuel oil ..	21,071,597	25,049,798	27,766,626	} 24,434,938	} 20,795,344	20,795,344
do. (bunkers) ..	2,276,893	2,219,938	2,506,352			
Lubricating oil ..	303,969	239,088	227,742	343,987	505,412	548,009
Asphalt ..	203,510	341,642	249,250	531,393	487,729	582,145
United States—						
Crude petroleum ..	4,724,037	4,974,820	4,086,210	3,818,297	2,847,393	1,942,701
Aviation spirit ..	841,073	595,754	1,149,964	1,447,539	1,441,302	1,846,413
Motor spirit ..	2,358,004	1,287,573	2,255,152	1,481,933	1,622,647	858,972
Other finished light products ..	122,905	113,661	164,110	184,012	154,930	150,886
Natural gasoline ..	500,729	114,591	188,303	188,665	108,765	68,054
Kerosine ..	231,820	166,796	763,270	907,091	819,514	509,269
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	52,243	18,827
Gas oil and distillate fuel oil ..	1,347,674	1,470,024	2,787,503	4,380,243	4,155,631	3,063,548
Residual fuel oil ..	1,246,596	1,733,237	3,517,972	3,273,737	2,905,061	2,967,464
Fuel oil (bunkers) ..	(a)	7,410,000	9,305,000	9,522,000	9,945,000	(a)
Lubricating oil ..	1,698,425	1,882,764	2,288,350	2,107,217	1,684,172	1,990,168
Transformer oil ..	27,202	23,539	34,353	27,886	23,923	26,367
Greases ..	52,382	51,000	59,330	59,656	43,156	54,524
Paraffin wax ..	128,837	139,049	155,358	121,684	128,615	151,943
Petroleum jelly ..	29,275	33,487	49,746	26,047	32,710	39,236
Asphalt and bitumen, natural ..	14,885	16,801	22,248	17,791	18,315	26,929
Other asphalt, etc. ..	209,336	127,883	163,612	346,053	247,562	259,399
Petroleum coke ..	436,004	436,539	790,202	743,531	645,060	573,883
Liquefied petroleum gases ..	107,243	136,130	175,269	199,478	250,612	328,865
Natural gas (million cu. ft.) ..	6,152	26,392	22,899	27,192	28,564	27,129
Argentina—						
Bitumen (Rafaelite) ..	1,777	2,593	(a)	747	955	1,207
Bolivia—						
Crude petroleum ..	7,376	3,066	—	—	739	(a)
Chile—						
Crude petroleum ..	—	55,510	93,760	107,407	147,600	(a)
Colombia—						
Crude petroleum ..	3,452,409	4,038,410	4,525,407	4,380,915	4,534,737	4,270,262
Ecuador—						
Crude petroleum ..	130,816	134,000	135,000	113,700	168,915	174,984
Peru—						
Crude petroleum ..	311,188	368,078	328,737	337,542	303,644	299,182
Natural gasoline ..	68,642	54,789	53,753	37,358	21,953	28,195
Aviation spirit ..	19,632	26,089	33,142	19,233	14,770	22,942
Motor spirit (b) ..	260,277	208,966	205,787	159,905	107,425	129,764
Kerosine ..	40,447	34,131	46,108	36,647	36,386	65,666
do. Power ..	2,160	6,002	10,133	713	—	—
Gas oil (b) ..	87,516	—	77,108	60,007	52,711	110,569
Fuel oil and diesel oil ..	213,740	191,221	153,369	226,021	123,083	59,142
do. (bunkers) ..	44,171	45,938	61,815	68,888	49,846	43,287
Lubricating oil and grease ..	1,757	1,252	2,474	1,764	2,291	2,297
Asphalt ..	594	902	384	6	543	1,728

(a) Information not available.

(b) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954			
FOREIGN COUNTRIES									
<i>(cont.)</i>									
Uruguay (d)—									
Motor spirit	11,000	(a)	3,000	5,600	33,400	(a)			
Kerosine	1,300	(a)	(a)	100	100	(a)			
Gas oil and diesel oil	23,000	(a)	(a)	38,000	22,100	(a)			
Fuel oil	305,000	(a)	240,000	172,000	179,000	(a)			
Venezuela—									
Crude petroleum	59,070,686	64,636,000	71,837,827	70,912,764	68,649,905	75,521,000			
Motor spirit	223,787	970,000	1,276,699	1,396,260	1,661,487	1,436,000			
Kerosine	36,138	11,500	186,558	188,177	266,086	322,000			
Gas oil	331,597	396,000	} 2,457,636	{ (a)	963,805	1,059,000			
Diesel oil	476,306	1,170,586			1,037,183	1,574,141	2,222,000		
Fuel oil	4,271,513	6,865,396	7,893,850	8,238,641	12,306,081	12,393,000			
Lubricating oil	(a)	(a)	(a)	21,632	98,471	139,000			
Asphalt	(a)	(a)	(a)	40,063	49,111	29,000			
Indonesia—									
Crude petroleum	300	7,942	—	589,000	2,205,000	2,067,641			
Motor spirit	1,725,900	1,787,499	1,936,712	}	1,900,000	1,765,941			
Kerosine	554,300	564,124	655,571		655,000	784,214			
Fuel and motor oils	} 3,321,900	} 3,504,973	} 3,638,853	} 6,746,000	3,962,000	} 4,100,000			
do. (bunkers)					61,898		(a)	228,000	(a)
Lubricating oil					(a)		(a)	(a)	(a)
Greases					(a)		(a)	(a)	(a)
Paraffin wax					(a)		(a)	(a)	40,500
Asphalt	(a)	(a)	(a)	(a)					
Iran—									
Crude petroleum	3,206,200	6,501,300	b 3,353,700	10,833	41,003	(a)			
Motor spirit	3,964,800	4,080,900	b 1,799,300	438	144,285	(a)			
Kerosine	2,117,200	2,283,500	b 1,085,400	1,538	358	(a)			
Gas, diesel and fuel oils	14,769,500	15,767,300	b 7,458,100	379	48,850	(a)			
Other products	195,600	202,400	b 89,000	346	561	(a)			
Iraq—									
Crude petroleum	3,662,438	6,046,527	7,838,292	17,626,590	26,985,727	29,184,942			
Motor spirit	167	784	2,727	1,270	(a)	(a)			
Kerosine	5,490	6,014	1,855	1,395	(a)	(a)			
Bitumen	1,083	10	—	272	(a)	(a)			
Netherlands New Guinea—									
Crude petroleum	(a)	(a)	228,000	239,000	237,000	491,200			
Neutral Zone (c)—									
Crude petroleum	—	—	—	—	—	833,000			
Saudi Arabia—									
Crude petroleum	16,549,500	20,859,641	29,116,148	31,590,532	30,812,126	35,651,420			

(a) Information not available.

(b) Anglo-Iranian Oil Co. only.

(c) Neutral Zone of Kuwait and Saudi Arabia.

(d) Bunkers on foreign ships only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	6,048,182	9,246,108	16,680,733	22,818,386	25,631,425	27,730,537
Aviation spirit (d) ..	372,391	249,615	356,447	400,973	502,448	319,348
Motor spirit ..	4,046,823	3,763,460	2,959,396	1,236,809	1,091,901	1,025,115
Other spirit ..	107,653	104,198	180,478	177,264	291,803	161,983
Kerosine—Power ..	919,341	811,970	839,740	878,887	866,249	710,674
do. Other ..	653,656	601,391	978,692	591,096	512,076	592,925
Fuel oil (d) ..	2,947,351	2,162,309	2,152,689	1,096,312	963,472	1,593,909
Diesel oil ..	310,412	232,436	246,703	309,397	223,931	211,922
Gas oil ..	1,723,225	1,391,179	1,472,134	789,079	1,107,422	1,567,391
Lubricating oil ..	291,833	479,861	447,556	442,173	451,150	463,033
Mineral jelly ..	8,060	8,822	10,595	6,217	9,131	7,744
Paraffin wax ..		29,581	58,310	22,745	14,045	40,209
Other petroleum wax ..	18,096	5,086	6,428	3,050	4,498	7,757
Ozokerite ..	17	94	12	11	(c) 29	11
Petroleum coke ..	13,069	9,131	9,449	9,766	9,726	18,820
Asphalt and bitumen (f) ..	48,909	54,365	56,924	56,595	61,256	64,607
Channel Islands—						
Aviation spirit ..	(g) 1,417	(g) 1,777	(g) 1,595	1,943	2,554	2,568
Motor spirit ..	16,611	16,900	16,732	16,629	17,335	17,651
Other spirit (g) ..	87	100	91	89	82	80
Kerosine ..	2,912	2,668	2,523	2,361	1,810	1,988
Gas and fuel oil ..	17,203	17,648	23,982	24,820	26,314	27,289
Lubricating oil ..	1,019	941	1,036	966	1,016	1,108
Greases (g) ..	23	23	20	14	19	13
Gibraltar (e)—						
Motor spirit, fuel oil, etc.	3,518	4,470	5,200	5,828	5,174	5,000
Kerosine ..	529	371	400	386	244	217
Malta—						
Aviation spirit (d) ..	22,945	13,026	13,549	30,135	30,634	26,438
Motor spirit ..	16,087	13,067	15,325	18,972	15,807	15,831
Aviation turbine fuel (b) ..	4,830	1,625	2,557	10,787	7,729	12,731
Kerosine (h) ..	26,196	21,456	24,566	15,676	25,781	29,422
Fuel oil (d) ..	29,367	27,517	21,227	24,211	31,729	30,865
Gas oil (d) ..	8,060	9,728	14,955	14,773	15,043	15,385
Lubricating oil ..	546	660	1,074	619	666	982
Anglo-Egyptian Sudan—						
Aviation spirit (d) ..			11,876	22,318	19,808	17,736
Motor spirit (d) ..	36,707	39,492	36,519	40,305	46,175	60,007
Kerosine ..	10,685	10,347	12,164	17,479	20,163	17,092
Gas oil ..			13,115	14,681	17,206	22,886
Diesel oil ..			22,635	23,606	22,952	24,543
Fuel oil ..	82,097	86,711	87,320	88,583	91,602	105,771
Lubricating oil, etc. ..	4,160	2,732	4,147	8,077	4,313	4,050
Asphalt, etc. ..	1,625	2,199	3,639	6,967	2,040	2,188
Gambia—						
Aviation spirit ..	(c) 307	28	994	(c) 125	(c) 707	926
Motor spirit ..	1,270	1,938	1,501	2,179	1,161	1,994
Kerosine ..	373	513	910	560	406	549
Gas and diesel oil ..	1,583	1,555	1,746	1,398	1,394	1,710
Lubricating oil ..	272	241	233	224	51	167
Asphalt and bitumen ..	376	23	6	473	104	82

*Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons: Aviation spirit 315, Motor spirit 305, Kerosine 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. (e) Excluding imports for bunkers.
 (b) Imported chiefly for bunkering purposes. See exports. (f) Natural.
 (c) Excess of re-exports. (g) Jersey only.
 (d) Including imports for bunkering purposes. See exports. (h) Revised.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Gold Coast—						
Aviation spirit (d) ..	3,468	2,346	2,307	3,927	3,413	1,323
Motor spirit (d) ..	44,099	60,201	65,507	74,489	82,126	96,914
Kerosine ..	14,301	20,565	18,988	24,236	29,116	24,215
Fuel oil (d) ..	20,828	38,224	33,315	10,314	609	30,350
Gas oil (d) ..	45,858	50,820	60,009	77,048	100,365	51,658
Diesel oil ..	2,044	8,842	3,339	12,280	8,882	28,045
Lubricating oil ..	4,467	6,571	6,968	8,003	4,884	9,179
Asphalt and bitumen ..	1,457	2,110	8,803	17,208	9,669	11,183
Kenya—						
Aviation spirit (d) ..	8,084	7,293	9,330	14,888	8,120	24,110
Motor spirit (d) ..	79,572	54,882	98,917	96,987	78,559	97,493
Kerosine—Power ..	12,898	12,402	15,692	12,609	10,043	11,423
do. Other ..	17,785	8,822	22,234	21,782	16,830	25,870
Gas, diesel, fuel oils (d)(e)	335,938	313,137	429,512	488,982	475,464	484,711
Lubricating oil (d) ..	7,392	6,162	4,098	15,229	5,466	7,563
Greases ..	605	450	669	970	600	704
Petroleum jelly ..	107	12	31	214	25	50
Paraffin wax ..	65	40	73	267	—	
Mauritius—						
Aviation spirit (b) ..	2,225	425	408	1,233	939	705
Motor spirit ..	7,322	10,727	11,316	15,171	16,264	18,951
Kerosine ..	3,570	3,172	3,097	2,824	2,776	3,726
Lubricating oils ..	976	1,162	1,330	1,493	1,507	1,667
Gas, diesel, fuel oils (b)	5,246	8,679	9,223	16,089	17,231	14,229
Grease ..	94	116	168	174	176	136
Asphalt and pitch ..	1,614	1,712	826	3,746	1,887	1,498
Nigeria—						
Aviation spirit ..	6,723	13,654	14,552	11,594	14,656	16,433
Motor spirit ..	47,265	81,090	82,452	82,355	106,958	138,833
White spirit ..	(a)	(a)	(a)	(a)	(a)	182
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	(a)	2,700
Kerosine ..	16,956	35,493	27,118	43,292	44,700	49,936
Gas oil (b) ..	1,070	4,935	7,290	8,561	15,434	20,120
Diesel oil (b) ..	8,061	13,784	6,331	15,816	19,244	13,686
Fuel oil (b) ..	19,678	8,865	22,847	21,587	19,052	22,105
Lubricating oil ..	3,714	5,221	7,734	10,443	5,446	8,076
Asphalt and bitumen ..	1,146	6,670	11,859	20,852	11,482	17,036
Northern Rhodesia—						
Aviation spirit ..	2,619	2,444	4,740	3,654	3,142	36,906
Motor spirit ..	17,884	23,059	27,830	32,606	36,906	
Kerosine—Power ..	2,596	3,186	3,971	3,714	2,912	3,774
do. Other ..	1,991	2,396	2,915	3,346	3,774	
Fuel oil ..	3,486	5,677	8,145	12,449	16,693	3,874
Lubricating oil ..	2,112	2,421	3,337	3,072	3,874	
Asphalt and bitumen ..	2,641	3,121	1,840	4,672	1,341	829
Nyasaland—						
Motor spirit ..	5,569	7,938	8,388	9,405	9,964	5,653
Kerosine ..	1,251	2,188	1,362	2,052	2,299	
Fuel oil ..	2,748	4,525	4,648	6,031	5,653	829
Lubricating oil ..	506	907	828	1,070	829	
St. Helena—						
Motor spirit ..	165	122	174	256	105	231
Kerosine ..	117	23	111	109	78	90
Diesel oil ..	78	69	156	91	70	221
Lubricating oil ..	23	29	13	14	6	28
Seychelles—						
Motor spirit ..	208	253	305	308	371	329
Kerosine ..	191	337	202	263	251	257
Fuel oil ..	273	154	374	98	207	205
Lubricating oil ..	18	20	19	47	26	(a)
Sierra Leone—						
Aviation spirit (b) ..	307	419	151	221	337	748
Motor spirit ..	4,636	5,331	5,247	6,301	7,031	6,809

(a) Information not available. (b) Including bunkers. See exports. (c) See under Southern Rhodesia.

(d) Including imports for bunkering purposes. See exports. (e) Revised conversion factor.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Sierra Leone (cont.)—						
Kerosine	3,722	3,926	4,733	5,936	6,605	8,235
Gas oil	2,257	2,864	2,790	4,596	4,204	4,718
Diesel oil	813	1,579	1,747	2,277	762	1,466
Fuel oil (d)	3,937	3,951	3,961	3,892	6,318	5,261
Lubricating oil	368	469	882	1,088	882	(a)
Asphalt and bitumen	99	8	713	178	336	1,071
Somaliland Protectorate—						
Motor spirit	2,947	2,995	3,588	3,236	3,228	3,273
Kerosine	424	417	439	454	696	564
Gas oil and diesel oil	(a)	(a)	793	984	670	730
Lubricating oil	(a)	(a)	133	107	146	80
Southern Rhodesia—						
Aviation spirit	5,453	4,602	6,526	9,491	6,269	(b) 11,209
Motor spirit	65,605	80,449	91,680	99,341	103,577	(b) 175,298
Kerosine—Power	11,454	13,597	19,024	18,545	18,892	(b) 21,862
do. Other	5,444	5,560	7,489	9,089	8,012	(b) 17,073
Fuel oil	13,864	20,011	26,285	28,327	34,667	(b) 71,646
Lubricating oil	5,878	6,972	8,519	11,494	6,342	(b) 16,238
Other oils (total imports)	459	267	482	851	671	(a)
Paraffin wax	400	513	467	482	520	(b) 841
Asphalt and bitumen	9,043	9,416	17,086	18,436	7,473	(b) 16,298
South West Africa—						
Motor spirit	17,488	18,876	21,697	19,179	27,697	(a)
Kerosine—Power	2,449	2,347	2,324	(a)	(a)	(a)
do. Other	2,753	2,570	3,650	4,890	3,457	(a)
Diesel oil	12,685	20,400	20,750	(a)	(a)	(a)
Fuel oil	97	—	7	(a)	(a)	(a)
Lubricating oil	1,129	1,503	2,221	2,655	1,866	(a)
Asphalt and bitumen	247	288	223	732	31	(a)
Tanganyika—						
Aviation spirit (d)	4,034	3,789	3,288	2,998	3,813	1,413
Motor spirit	44,006	40,839	37,565	41,241	49,274	52,404
Kerosine—Power	2,607	1,595	2,226	3,371	2,334	1,829
do. Other	12,220	7,361	15,220	16,417	14,862	16,043
Gas, diesel, fuel oils (d)	(g)					
Lubricating oil	34,659	50,168	35,094	46,665	54,876	63,788
Greases	5,379	5,233	4,984	9,212	2,746	4,239
Petroleum jelly	1,043	425	268	588	453	261
Paraffin wax	38	25	20	54	20	34
Uganda—	27	—	3	2	—	
Aviation spirit (e)	1,995	1,842	1,734	2,149	4,346	4,538
Motor spirit	24,643	28,773	31,991	35,481	41,720	44,398
Kerosine—Power	464	707	809	3,027	5,299	1,191
do. Other	6,900	7,600	10,692	8,806	13,252	15,877
Gas, diesel, fuel oils (g)	2,296	28,813	17,539	23,663	35,759	25,237
Lubricating oil	2,538	1,964	2,422	2,541	2,316	3,560
Greases	164	137	167	159	193	259
Petroleum jelly	24	11	20	30	26	
Paraffin wax	4	2	1	1	3	61
Union of South Africa—						
Crude petroleum	—	—	—	—	(f) 28,911	(f) 772,985
Motor spirit (d)	1,008,594	1,023,130	1,065,362	1,119,801	1,181,998	(f) 987,214
Other spirit	9,447	8,727	14,207	12,276	9,921	(a)
White spirit	11,504	18,834	15,436	19,754	22,511	(a)
Kerosine—Power	186,420	213,506	256,523	269,267	307,316	(f) 344,199
do. Other	133,521	127,950	147,952	114,826	148,387	(f) 159,146
Gas oil					f 245,221	(f) 260,854
Diesel oil (e)	299,196	463,209	431,194	(f) 398,576	f 135,211	(f) 104,269
Fuel oil (e)	371,684	289,092	434,725	(f) 327,478	(f) 254,185	(f) 183,866

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Including bunkers. See exports.

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

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

(f) Total imports.

(g) Revised conversion factor.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Union of South Africa						
— <i>(cont.)</i>						
Lubricating oil	70,270	66,301	85,711	93,805	69,293	(b) 104,602
Transformer oil	2,912	3,579	3,777	4,364	5,299	(a)
Road oil	4,730	9,513	4,513	857	5,504	(a)
Other oils	2,520	1,795	2,897	1,737	30,211	(a)
Paraffin wax	8,365	10,918	15,902	(b) 16,080	(b) 13,254	(b) 15,771
Asphalt and bitumen ..	22,115	29,202	41,678	46,064	38,978	(b) 26,661
Petroleum jelly	2,458	2,171	3,413	2,479	2,476	(a)
Zanzibar—						
Aviation and motor						
spirit	1,986	2,561	3,339	3,427	354	3,810
Kerosine, etc.	1,875	2,416	2,897	2,796	3,144	2,865
Fuel oil	1,457	2,561	1,233	1,865	2,353	779
Canada—						
Crude petroleum	10,563,835	11,237,210	11,897,747	11,599,948	11,353,974	11,253,182
Tops for refiners	220,713	186,316	121,312	197,467	273,592	14,177
Aviation spirit	137,446	160,860	174,550	229,933	253,528	262,180
Motor spirit	867,879	641,900	483,868	582,858	694,252	437,721
Kerosine, etc.	137,020	57,818	70,172	123,560	97,916	69,279
Lubricating oils	65,776	70,776	115,590	125,158	139,767	138,268
Diesel oil	150,407	278,226	451,313	336,738	277,993	247,493
Fuel oil	776,658	2,031,892	2,329,592	2,737,930	2,709,382	3,159,639
do. (c)	55,531	44,564	59,409	64,995	78,319	34,340
Other petroleum oils ..	3,910	4,793	8,074	10,590	11,147	8,054
Liquefied petroleum gas	63,619	69,409	84,308	85,581	117,442	118,446
Grease	4,909	5,573	6,069	8,109	9,015	6,333
Paraffin wax, etc.	10,945	13,384	16,703	13,627	16,574	15,418
Asphaltum oil, etc: ..	—	371	20	—	—	641
Asphalt	19,730	18,986	14,795	9,805	20,175	27,963
Petroleum coke	265,984	267,300	314,437	255,460	260,658	254,713
Other products	16,175	10,829	17,189	23,729	58,284	44,930
Natural gas (<i>million cubic feet</i>)	1,263	3,254	3,699	5,982	6,097	6,236
British Guiana—						
Aviation spirit (d)	239	1,056	848	1,386	292	503
Motor spirit	6,602	8,385	9,813	10,322	10,962	12,574
Kerosine	3,002	4,995	5,020	4,233	6,074	7,590
Gas, diesel and fuel oils	64,221	71,096	73,724	91,848	126,387	128,136
Lubricating oil	1,369	1,569	2,186	2,842	1,416	2,444
Paraffin wax	10	3	12	22	10	21
Asphalt	35	257	242	224	349	389
British West Indies—						
Bahamas—						
Motor spirit	10,190	8,610	10,118	11,905	12,308	12,921
Kerosine	2,716	2,618	3,335	3,440	3,895	3,978
Fuel oils (b)	9,988	8,996	11,400	12,845	13,817	14,237
Lubricating oil	344	512	440	644	344	376
Barbados—						
Crude petroleum	6,261	5,357	5,566	5,711	8,398	8,338
Aviation and motor						
spirit	6,729	7,268	9,464	9,399	11,027	9,019
Kerosine	3,783	4,835	5,676	5,765	7,440	6,749
Gas oil and diesel oil	3,327	3,777	9,537	3,135	6,880	7,472
Fuel oil	2,409	(e) 282	—	—	—	—
Lubricating oil	465	687	644	574	701	456
Road oil	154	108	120	57	18	49

(a) Information not available.

(b) Total imports.

(c) Ex warehoused, for ships' stores.

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

(e) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(cont.)</i>						
Bermuda (c)—						
Aviation and motor spirits	32,173	19,666	30,306	37,198	50,111	46,726
Aviation turbine fuel	(a)	(a)	(a)	(a)	(a)	5,978
Kerosine	2,442	1,924	1,253	1,467	1,776	1,848
Diesel oil	9,580	(a)	11,784	17,400	13,415	19,119
Fuel oil	10,599	6,121	8,329	19,005	16,117	579,111
Lubricating oil	775	794	(a)	1,162	988	1,028
Asphalt	(d) 177	49	2,700	2,164	634	1,319
Dominica—						
Motor spirit	333	405	496	603	650	691
Kerosine	273	318	377	73	430	455
Fuel oil and diesel oil	117	197	294	502	480	474
Lubricating oil	22	29	32	50	35	47
Road oil	182	132	(a)	(a)	(a)	(a)
Grenada—						
Motor spirit	1,391	1,275	1,603	1,676	1,652	1,839
Kerosine	565	602	711	812	891	926
Fuel oil	286	377	311	415	434	651
Lubricating oil	43	56	102	77	35	(a)
Road oil	773	589	543	463	391	(a)
Jamaica (e)—						
Aviation spirit (c)	10,082	9,899	7,128	11,111	11,314	14,638
Motor spirit	34,458	41,101	36,828	38,444	41,847	42,984
Kerosine	10,655	10,629	10,556	11,410	12,355	15,273
Gas oil (b)	14,678	18,732	1,307	35,590	30,296	318,308
Diesel oil (b)	11,778	10,951	6,238	23,636	78,494	5,405
Fuel oil (b)	108,370	93,978	55,110	139,817	201,057	265,388
Lubricating oil	2,104	1,854	2,840	2,772	2,855	3,169
Grease	304	379	290	336	275	208
Petroleum jelly	127	93	155	127	156	168
Paraffin wax	27	69	21	70	28	26
Natural asphalt	6,309	3,224	6,954	2,902	6,879	4,898
Leeward Islands—						
Motor spirit	1,971	1,805	1,951	2,443	1,316	1,404
Kerosine	768	879	867	1,328	1,595	1,340
Gas oil	551	944	693	972	3,260	2,437
Diesel oil	741	1,008	612	1,056	127	1,386
Fuel oil	188	192	111	459	132	177
Road oil	424	498	466	522	806	1,005
Lubricating oil	150	210	111	214	176	200
St. Lucia—						
Motor spirit	730	686	1,077	941	1,950	816
Kerosine	262	239	494	417	409	454
Fuel oil	476	446	881	729	659	723
Lubricating oil	112	107	88	89	55	66
Road oil	404	354	408	392	786	597
St. Vincent—						
Motor spirit	709	681	682	786	878	918
Kerosine	362	392	401	494	550	569
Gas, diesel and fuel oils	416	394	488	530	337	253
Lubricating oil	51	48	40	64	51	61
Road oil	198	218	340	146	162	198
Asphalt, tar and pitch	7	4	7	1	4	6

(a) Information not available.

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

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

(d) Excess of re-exports.

(e) Total imports 1949 to 1953.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(Cont.)</i>						
Trinidad and Tobago—						
Crude petroleum ..	1,613,696	1,607,463	2,248,962	2,314,096	2,306,232	2,324,496
Aviation and motor spirits ..	16,285	7	16	3,148	29,634	4
Kerosine ..	—	7	(c) 4	3	—	—
Gas oil ..	—	803	—	—	—	26,753
Fuel oil ..	—	537	1	194	3,135	2
Lubricating oil ..	3,306	3,255	3,917	3,951	3,235	4,468
Greases ..	(a)	(a)	248	448	230	301
Petroleum jelly ..	72	122	60	101	118	66
Paraffin wax ..	37	44	17	21	18	21
British Honduras—						
Aviation spirit ..	(c) 74	(c) 12	129	198	(c) 112	591
Motor spirit ..	2,285	2,971	3,716	4,042	3,928	4,220
Kerosine ..	1,347	1,309	1,349	1,826	1,750	1,648
Diesel and fuel oils ..	1,814	2,162	3,293	2,671	2,944	3,637
Lubricating oil ..	115	254	454	272	375	1,729
Asphalt ..	567	725	821	990	1,620	854
Falkland Islands—						
Motor spirit ..	211	274	243	159	135	4
Kerosine ..	86	122	128	125	59	106
Gas and diesel oils ..	454	1,188	168	996	898	584
Fuel oil (e) ..	88,679	107,383	131,720	111,617	54,398	104,199
Aden Colony—						
Motor spirit ..	7,204	1,071	8,205	9,546	8,790	1,285
Kerosine ..	3,896	3,694	5,206	4,660	6,701	4,603
Gas oil ..	12,487	17,138	147,896	30,607	88,261	55,458
Fuel oil (b) ..	2,204,001	2,458,024	2,404,698	2,522,368	2,386,977	3,566,415
Lubricating oil ..	828	982	(c) 3,742	1,544	2,159	1,757
Asphalt and bitumen ..	764	117	95	1,055	13,186	8,984
Aden Protectorate (f)—						
Motor spirit ..	644	671	726	812	2,560	31
Kerosine ..	85	127	113	58	83	853
Gas oil ..	(a)	(a)	—	24,825	1,001	—
Fuel oil ..	(a)	—	—	45	—	197
Lubricating oil ..	(a)	(a)	669	71	102	—
Bahrain Islands (d)—						
Crude petroleum ..	5,967,000	6,028,000	7,170,000	7,764,000	8,128,900	9,059,300
British Borneo—						
Brunei—						
Motor spirit ..	2,600	3,089	793	3,656	7,306	7,421
Kerosine ..	557	549	269	643	1,347	1,837
Diesel oil ..	2,530	5,818	132	6,775	10,263	8,928
Fuel oil ..	86	234	48	94	534	1,690
Lubricating oil ..	589	1,596	55	1,120	1,907	1,001
Grease ..	(a)	(a)	2	76	54	169
North Borneo—						
Motor spirit ..	3,438	3,732	4,633	7,136	7,281	4,360
Kerosine ..	2,181	2,665	3,262	3,034	3,363	4,214
Fuel oil ..	8,376	6,024	3,176	6,662	7,431	4,624
Lubricating oil ..	458	517	477	898	736	759

(a) Information not available.

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

(c) Excess of re-exports.

(d) British Protected State.

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

(f) Re-exports from Aden Colony to the Protectorate.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954						
BRITISH COUNTRIES												
<i>(cont.)</i>												
Sarawak—												
Crude petroleum ..	3,290,440	4,057,462	4,895,640	4,990,194	4,798,933	4,316,729						
Aviation spirit ..	(e) 118	62	203	323	308	363						
Motor spirit ..	1,726	2,203	3,677	4,198	4,222	6,239						
Kerosine ..	4,062	5,232	6,393	5,516	5,579	6,728						
Diesel oil ..	2,279	4,537	5,100	6,119	6,293	5,051						
Fuel oil ..	2,434	588	787	780	1,041	1,195						
Lubricating oil ..	428	619	712	863	1,182	1,485						
Paraffin wax ..	1	4	13	10	27	5						
Natural gas (<i>million cubic feet</i>) ..	1,664	1,823	1,745	1,770	2,056	1,958						
Ceylon—												
Aviation spirit ..	} 84,994	89,330	106,316	125,376	} 5,641	8,476						
Motor spirit ..							124,355	117,946				
Kerosine ..							57,261	43,026	64,869	70,971	70,907	80,335
Gas oil (c) ..							24,804	17,427	17,422	25,908	38,324	31,215
Diesel oil (b) ..							162,989	103,402	141,953	127,469	139,169	133,575
Fuel oil (b) ..							464,140	507,853	536,226	486,928	442,637	365,460
Lubricating oil (c) ..							7,607	5,850	8,323	9,989	4,962	6,289
Other oils and greases ..							279	369	325	545	132	209
Asphalt ..	15,336	14,140	11,445	33,611	7,443	3,533						
Cyprus—												
Aviation and motor spirits ..	17,806	21,246	(c) 30,090	(e) 35,458	(c) 44,060	(c) 53,056						
Kerosine, etc. ..	14,113	18,789	19,152	15,714	19,126	19,538						
Fuel oils ..	42,349	46,943	43,106	50,720	57,383	75,694						
Lubricating oil ..	2,209	1,827	1,391	1,860	2,189	2,142						
Paraffin wax ..	73	65	165	108	(f) 75	(f) 183						
Asphalt and bitumen ..	2,673	2,958	4,505	5,668	5,609	5,522						
Hong Kong (total imports)—												
Aviation spirit ..	} 147,974	77,999	52,422	} 10,970	11,095	16,952						
Motor spirit ..							39,483	40,570	45,897			
White spirit ..							(a)	(a)	(a)	687	1,551	2,553
Kerosine ..							59,428	37,111	21,056	31,860	42,770	51,037
Diesel oil and gas oil ..							} 536,870	495,017	495,070	} 86,080	101,616	140,102
Fuel oil ..													326,149	447,896	533,642
Lubricating oil ..							(a)	(a)	(a)	6,592	2,974	5,200
Greases ..							(a)	(a)	(a)	279	217	322
Petroleum jelly ..	1,509	1,825	2,918	270	197	411						
Paraffin wax ..	6,596	10,749	2,573	737	760	1,642						
Asphalt and bitumen ..	(a)	(a)	(a)	9,125	1,190	1,390						
Asphalt (natural) ..	(a)	(a)	(a)	307	482	389						
India—												
Aviation and motor spirits (c) ..	552,806	639,270	758,548	808,246	857,996	753,832						
Other spirit ..	246	3,103	7,744	22,116	129	4,221						
Kerosine ..	699,019	808,637	872,081	997,391	933,764	1,138,081						
Diesel oil ..	499,181	509,523	599,778	666,411	592,801	813,812						
Fuel oil (c) ..	849,507	787,858	856,020	754,681	752,793	716,494						
White spirit, etc. ..	8,930	326	539	308	27	31						
Lubricating oil ..	258,033	170,745	162,694	258,650	164,247	222,015						
Turpentine substitute ..	41	2,169	2,113	1,681	8,640	6,842						
Other oils ..	17,907	8,659	12,960	13,165	39,493	39,614						
Greases ..	2,637	2,619	5,465	4,636	1,744	2,483						
Paraffin wax ..	839	106	7	6	—	1						
Asphalt ..	67,431	87,493	28,587	141,078	126,813	163,526						
Kuwait (b) (d)—												
Diesel oil ..	(a)	(a)	(a)	(a)	—	5,976						
Fuel oil ..	(a)	(a)	(a)	(a)	107,001	149,011						

(a) Information not available.

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

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

(d) British Protected State.

(e) Excess of re-exports.

(f) Including petroleum jelly.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES (cont.)						
Malaya (total imports)—						
Aviation spirit ..	139,756	101,761	154,064	165,686	226,260	292,509
Motor spirit ..	423,869	689,841	854,821	992,056	1,183,509	1,194,463
White spirit ..	(a)	(a)	(a)	(a)	39,000	56,281
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	2,013	(a)
Kerosine—Power ..	30,338	59,387	130,201	146,318	97,108	91,915
do. Other ..	121,014	172,930	150,535	261,891	316,810	286,642
Gas oil ..	148,819	305,792	512,634	789,741	851,567	768,164
Diesel oil ..	816,848	729,633	753,414	741,764	651,489	690,334
Fuel oil ..	996,140	1,222,917	1,413,042	1,958,802	2,052,131	2,375,794
Lubricating oil ..	15,070	22,264	32,578	28,915	22,078	24,388
Paraffin wax ..	1,243	2,079	5,919	2,598	1,903	2,016
Petroleum jelly ..		939	2,268	353	163	479
Grease ..	44	448	16	2	1,162	1,332
Asphalt and bitumen ..	36,341	30,906	27,073	36,202	30,043	40,254
Natural asphalt ..	(a)	(a)	(a)	(a)	(a)	5,406
Pakistan (f)—						
Motor spirit ..			74,129	47,855	64,087	68,822
Other spirit ..			2,220	13,572	41,017	28,243
Kerosine ..			138,372	99,686	222,795	150,613
Diesel oil ..			98,572	95,099	156,762	160,033
Fuel oil ..			404,207	510,215	502,012	488,255
Lubricating oil ..	(a)	(a)	21,013	34,911	19,156	33,057
Turpentine substitutes ..			75	165	2	—
Other oils ..			1,056	1,817	390	1,844
Grease ..			1,052	1,680	7,623	1,913
Paraffin wax ..			3,732	818	356	632
Asphalt ..			11,402	45,309	4,535	6,778
Australia—						
Crude petroleum ..	571,904	784,141	786,054	974,471	980,159	2,082,242
Aviation spirit (b) ..	1,466,456	112,054	125,308	158,216	139,314	147,086
Motor spirit ..	(d)	1,663,166	1,789,533	1,996,771	2,032,405	1,985,829
White spirit ..	28,924	34,640	30,508	30,451	41,093	45,221
Kerosine—Power ..	280,514	292,538	269,602	254,409	268,978	283,236
do. Other ..	106,379	141,740	172,652	202,799	199,134	238,735
Lubricating oil ..	145,940	129,796	138,372	187,674	70,137	143,656
Solar oil ..	315,038	364,769	427,200	515,236	398,529	1,873,492
Residual oil ..	1,419,234	1,217,920	1,671,707	1,490,418	1,391,281	—
Petroleum jelly ..	471	(d) 870	2,235	1,607	(d) 692	(d) 1,159
Paraffin wax, etc. ..	3,576	(d) 3,141	7,297	4,883	1,719	(d) 4,356
Mastic asphalt ..	—	—	—	100	(d) —	(d) 110
Natural asphalt (d) ..	4,180	4,244	(e) 4,774	(e) 2,333	627	604
Bitumen and pitch ..	(d) 18,779	30,583	33,388	31,169	11,088	18,459
Fiji—						
Aviation spirit (c) ..	4,060	4,014	5,028	5,516	8,148	10,165
Motor spirit ..	8,525	9,900	10,690	10,460	14,563	13,965
Kerosine ..	3,791	2,357	2,861	3,525	3,595	4,402
Diesel oil (b) ..	11,302	12,653	15,279	18,068	12,333	12,655
Fuel oil (b) ..	14,829	7,571	458	284	5,177	1,477
Lubricating oil ..	686	816	1,058	919	350	1,158
Greases ..	95	106	157	124	86	87
New Guinea (d)—						
Motor spirit ..	9,331	4,240	3,892	8,419	8,203	8,010
Kerosine ..	2,842	922	1,846	2,037	1,841	2,185
Fuel oil ..	7,872	4,356	8,424	7,227	9,268	8,407
Lubricating oil ..	466	705	549	699	494	778

(a) Information not available. (b) Including imports for bunkering purposes. See exports.

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

(d) Years ended June 30 of that stated.

(e) Calendar year.

(f) Years ended March 31 following that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Aviation spirit (b)	22,952	15,200	13,181	22,656	28,395	25,062
Motor spirit	442,764	454,853	445,551	621,067	621,695	671,105
White spirit	3,316	4,607	5,057	8,298	4,686	8,775
Kerosine—Power	24,379	21,046	16,510	15,651	10,002	12,772
do. Other	3,205	7,110	9,366	17,010	9,658	11,755
Gas oil	19,120	24,177	28,550	84,545	90,382	122,188
Diesel oil (b)	170,746	187,307	223,345	182,100	146,219	237,817
Fuel oil (b)	80,903	317,262	247,727	270,976	195,431	180,960
Lubricating oil (b)	17,179	29,378	24,508	35,850	17,766	30,482
Transformer oil	1,125	502	2,164	1,196	1,087	1,076
Other refined oils	636	2,733	4,377	6,120	6,332	5,949
Petroleum jelly	50	33	98	54	23	40
Paraffin wax	401	1,091	1,517	1,649	703	1,647
Asphalt and bitumen	22,757	17,188	9,394	21,902	21,800	25,044
do. natural	3,233	10,624	7,874	9,477	11,592	4,770
Papua (d)—						
Motor spirit	5,192	(a)	2,614	3,675	4,649	(a)
Kerosine	685	(a)	456	858	723	(a)
Fuel oil	5,887	(a)	2,393	5,017	5,799	(a)
Lubricating oil	(a)	(a)	317	492	278	(a)
Solomon Islands (c)—						
Fuel oil, etc.	219	576	16	(a)	(a)	(a)
Motor spirit	420	377	383	755	303	(a)
Kerosine	135	309	229	637	245	(a)
Lubricating oil	38	89	177	53	213	(a)
Western Samoa—						
Motor spirit	1,140	1,588	927	1,919	1,512	2,181
Kerosine	623	241	403	507	443	619
Fuel oil	188	485	318	361	523	595
Lubricating oil	33	165	200	42	19	85
Irish Republic—						
Aviation spirit (b)	195,565	9,512	3,912	1,857	6,941	6,964
Motor spirit .. .. .							196,379	227,405	249,473	253,308	255,316
White spirit	(a)	(a)	(a)	(a)	2,259	2,959
Kerosine—Power	90,800	76,466	99,992	105,773	47,983	52,731
do. Other .. .. .							58,380	66,567
Diesel oil, etc. (b)	199,268	250,628	363,767	333,148	182,851	412,377
Fuel oil (b) .. .. .							144,980	17,089
Lubricating oil	14,071	14,056	17,326	13,803	15,946	17,089
Paraffin wax	753	2,347	2,802	1,100	1,123	1,937
Asphalt and bitumen	15,680	24,543	27,059	30,797	1,310	1,592
FOREIGN COUNTRIES						
Austria—						
Motor spirit	48,448	47,947	34,327	12,773	1,320	30,100
Gas oil	—	4,129	1	—	—	11,614
Fuel oil	3,460	1,453	20	—	4	15,979
Lubricating oil, etc.	10,329	7,573	10,172	9,785	10,111	17,822
Petroleum jelly	374	223	122	230	154	221
Paraffin wax	2,304	502	3,389	1,924	2,185	2,935
Ozokerite and ceresin	775	404	200	198	343	624
Asphalt, bitumen, etc.	5,183	2,080	3,068	1,340	742	965
Petroleum coke	8,726	8,866	8,188	17,884	20,345	16,216
Tar and pitch	7,706	2,381	9,949	4,941	5,828	8,376

(a) Information not available.

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

(c) Years ended March 31 following that stated.

(d) Years ended June 30 of that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Crude petroleum ..	337,320	435,201	918,830	2,244,598	2,886,674	3,671,078
Motor spirit, etc. ..	545,618	670,836	728,830	596,921	542,370	344,853
Kerosine ..	20,132	32,369	48,287	47,703	54,444	54,131
Fuel oil and gas oil ..	987,361	1,116,658	1,675,895	1,336,351	1,221,246	1,381,454
Lubricating oil ..	108,106	138,531	162,939	131,423	117,290	159,961
Other heavy oils ..	1,766	3,822	416	510	3,287	4,137
Petroleum jelly ..	587	841	1,128	1,010	1,067	999
Paraffin wax ..	3,100	6,219	4,109	2,697	4,040	4,217
Ozokerite and ceresin ..	133	503	380	73	186	277
Natural asphalt ..	3,987	5,740	5,182	6,887	5,066	6,415
Pitch ..	1,057	1,697	8,798	2,892	3,429	1,102
Denmark—						
Crude petroleum ..	40,022	33,219	20,828	32,756	20,725	32,595
Motor spirit ..	358,107	494,951	430,508	462,707	547,095	597,138
White spirit ..	7,588	10,359	8,722	8,939	6,452	12,044
Kerosine ..	39,011	50,286	54,986	52,461	46,490	40,189
do. Power ..	17,219	17,484	19,296	29,487	47,401	59,513
Gas oil ..		302,784	304,181	270,579	316,824	349,529
Diesel oil ..	777,040	214,957	203,644	161,776	204,259	233,614
Fuel oil ..		613,370	806,795	878,631	857,922	1,116,299
Lubricating oil ..	25,816	38,113	35,448	31,900	34,367	43,965
Grease ..	324	469	543	475	563	713
Petroleum jelly ..	242	430	428	277	396	496
Ozokerite, etc. ..	108	521	468	281	431	600
Paraffin wax ..	1,458	2,700	2,018	1,558	2,395	3,134
Natural asphalt ..	4,707	3,784	3,023	869	1,130	942
Other asphalt ..	35,759	50,103	51,731	43,761	41,602	64,341
Finland (total imports)—						
Motor spirit ..	213,079	239,755	261,903	279,775	298,832	334,194
Kerosine ..	15,494	19,348	18,476	19,947	19,413	18,820
do. Power ..	21,217	46,988	33,822	42,664	51,060	50,102
Fuel oil ..	110,397	155,559	176,111	264,079	326,617	488,352
Lubricating oil ..	12,859	19,450	27,521	11,962	11,747	27,794
Petroleum jelly ..	55	131	164	90	99	218
Paraffin wax ..	1,184	1,306	2,555	424	816	2,149
Asphalt and tar ..	21,095	42,887	37,553	29,405	28,968	50,459
France—						
Crude petroleum ..	11,620,331	13,910,096	17,787,630	20,886,646	21,653,085	23,234,242
Aviation spirit ..	26,937	36,820	45,067	55,534	58,827	67,465
Motor spirit ..	82,334	21,658	116,066	68,815	77,130	176,331
Kerosine ..	2,500	90	2,374	4,557	5,370	7,759
Lubricating oil ..	64,494	63,092	161,280	66,391	32,996	30,982
Fuel oil ..	288,250	152,725	114,681	178,414	111,670	273,894
Gas oil ..	95,626	165,153	72,540	130,916	59,655	4,930
Road oil, etc. ..	2,268	468	1,392	38,005	1,230	1,084
Petroleum coke ..	42,020	20,189	39,621	52,776	31,658	47,840
Paraffin wax ..	4,967	699	4,954	2,772	1,593	632
Ozokerite and ceresin ..	1,016	1,690	4,329	2,580	5,119	4,252
Petroleum jelly ..	12	60	66	51	40	62
Asphalt and bitumen ..	2,519	2,829	6,974	4,281	1,874	3,979
Germany (Federal)—						
Crude petroleum ..	1,068,752	1,902,839	3,154,889	3,477,072	4,488,239	5,890,764
Motor spirit ..	393,003	163,984	121,417	128,713	76,487	99,415
Kerosine ..	15	3,147	1	81	95	6,117
Gas oil ..	617,590	514,804	238,810	370,489	603,011	559,843
Fuel oil ..	45,374	63,900	77,868	130,648	172,649	576,952
Lubricating oil, etc. ..	5,325	11,820	21,747	24,865	56,327	70,018
Petroleum jelly ..	(a)	(a)	(b) 246	577	1,144	1,049
Paraffin wax ..	13,779	3,697	2,267	1,131	2,015	6,408
Ozokerite, etc. ..	862	166	380	341	660	918
Asphalt ..	2,125	3,893	4,204	2,872	4,346	7,087

(a) Information not available.

(b) October to December only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Greece—						
Motor spirit	172,900	224,267	245,550	237,937	244,846	273,965
Kerosine	37,637	72,450	80,676	93,120	85,386	94,790
Fuel oil and diesel oil	639,661	755,710	808,212	885,169	885,742	999,891
Other oils and greases ..	21,195	15,807	12,616	14,789	18,239	17,287
Petroleum jelly	176	69	100	113	162	78
Asphalt and bitumen ..	5,910	21,520	14,985	16,810	7,046	40,271
Iceland—						
Aviation spirit	57,815	17,152	15,326	27,327	15,789	53,558
Motor spirit		24,588	16,909	24,418	37,480	
Kerosine	3,987	3,170	1,883	4,782	3,185	(a)
Gas oil and fuel oil	119,866	135,769	136,107	172,464	217,518	180,783
Lubricating oil	2,661	3,245	2,919	3,419	4,053	4,121
Greases	116	64	123	115	150	(a)
Paraffin wax	57	33	95	41	51	(a)
Petroleum jelly	3	—	4	1	1	(a)
Asphalt	483	438	707	742	691	(a)
Italy—						
Crude petroleum	2,442,256	4,483,992	6,698,687	9,725,153	12,647,278	14,816,347
Motor spirit	9,926	21,632	34,440	17,153	9,931	24,639
Kerosine	2,273	6,366	190	15	70	70
Gas oil	8,385	4,546	12,735	10,758	9,159	5,938
Fuel oil	668,141	877,255	757,328	594,539	623,545	595,396
Lubricating oil	73,419	94,272	72,210	49,445	48,019	53,945
Petroleum jelly	912	674	2,013	598	998	1,383
Paraffin wax	10,870	20,641	12,039	13,243	18,032	15,579
Bitumen	301	47	78	43	170	31
Petroleum coke	16,325	19,830	45,776	13,724	36,739	51,781
Ozokerite and ceresin ..	(a)	(a)	(a)	409	724	740
Asphalt	1	450	1,241	1,106	823	1,835
Netherlands—						
Crude petroleum	2,080,870	4,724,254	6,070,214	6,712,660	6,787,765	9,462,479
Motor spirit	250,141	177,492	129,344	138,200	173,313	168,403
Kerosine	264,197	177,674	160,459	149,944	148,509	147,725
Gas oil	264,184	381,691	222,688	339,525	326,500	329,363
Fuel oil	461,851	410,625	440,916	671,922	1,137,454	1,212,160
Lubricating oil	67,975	88,052	91,186	63,016	82,501	197,549
Greases	300	315	156	35	586	3,304
Petroleum jelly	542	1,435	1,727	951	839	1,630
Paraffin wax	5,573	21,141	15,158	22,359	6,700	30,794
Ozokerite and ceresin ..	324	217	243	117	203	295
Asphalt, bitumen, etc.	271	314	473	186	731	6,418
Norway—						
Crude petroleum	—	16,053	57,433	47,651	73,471	71,691
Motor spirit	270,935	244,281	253,683	273,882	304,924	299,385
White spirit	5,815	8,609	9,520	6,462	8,592	7,235
Kerosine	34,292	37,497	47,084	50,713	77,153	94,710
Diesel oil	178,954	194,188	242,758	293,915	277,745	286,122
Gas oil	336,544	344,991	376,984	414,084	427,018	459,760
Fuel oil	464,696	531,209	769,078	873,476	955,243	993,967
Lubricating oil	32,678	28,538	32,661	23,904	27,136	31,398
Paraffin wax	2,152	1,110	2,384	1,435	1,754	2,505
Petroleum jelly	1,280	814	1,272	1,132	1,076	1,607
Pitch	101	3,694	5,805	3,619	5,500	6,788
Petroleum coke	(a)	27,634	36,580	40,010	37,275	37,096
Asphalt, etc.	29,674	36,784	28,228	17,293	18,403	25,310
Portugal—						
Crude petroleum	274,990	260,431	378,276	468,304	130,082	696,130
Motor spirit	78,382	61,579	76,521	69,304	127,022	70,242
do. (b)	(a)	1,001	1,049	1,008	1,254	1,722
Kerosine	49,191	52,444	62,779	61,373	115,593	62,088
Aviation turbine fuel ..	—	—	—	—	2,984	1,815

(a) Information not available.

(b) Imported for bunkering of national ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal (cont.)—						
Gas oil and diesel oil ..	49,478	64,369	59,506	62,146	160,890	104,594
Fuel oil ..	54,005	107,139	128,754	130,026	256,748	158,895
Gas, diesel, fuel oils (b) ..	(a)	124,448	111,529	131,168	145,933	156,265
Lubricating oil ..	12,684	10,290	20,382	16,400	14,018	17,572
do. (b) ..	(a)	1,182	1,335	1,664	1,675	1,648
Other mineral oils ..	1,671	1,741	1,331	546	660	705
Petroleum jelly ..	117	73	36	114	118	153
Paraffin wax ..	1,855	1,504	2,093	1,419	1,371	1,856
Bitumen ..	(a)	(a)	81	62	505	396
Natural asphalt ..	488	7,686	15,081	14,218	19,744	19,208
Spain—						
Crude petroleum, heavy ..	—	279,745	64,106	—	—	(a)
do. light ..	—	—	281,219	880,002	1,466,725	(a)
Motor spirit ..	414,670	401,465	426,277	365,096	177,610	(a)
Kerosine ..	18,384	21,763	10,948	12,136	23,383	(a)
Diesel oil ..	220,419	214,958	196,422	144,699	81,681	(a)
Lubricating oil ..	41,315	50,017	67,530	44,701	69,418	(a)
Fuel oil ..	433,719	370,072	403,848	290,782	76,713	(a)
Petroleum jelly ..	384	400	487	371	110	(a)
Paraffin wax ..	1,439	1,266	2,046	2,099	1,378	(a)
Asphalt ..	29,124	61,609	72,737	58,376	69,075	(a)
Sweden—						
Crude petroleum ..	459,171	888,718	1,026,558	1,164,990	1,399,000	1,712,519
Motor spirit ..	528,013	530,388	701,334	714,459	735,785	863,821
Kerosine ..	166,326	199,756	266,355	275,103	334,899	364,554
Fuel oil and gas oil ..	1,727,581	1,939,325	2,632,608	2,786,617	2,866,647	3,365,002
Lubricating oil ..	31,872	62,411	72,921	58,539	57,204	62,380
Petroleum jelly ..	412	481	535	360	400	743
Other oils ..	202	319	1,680	1,102	1,184	1,314
Paraffin wax ..	6,472	6,920	8,636	2,051	4,591	6,018
Ozokerite and ceresin ..	933	927	1,231	837	1,059	1,322
Asphalt ..	2,253	2,858	5,531	2,231	2,526	3,678
Pitch ..	3,655	5,174	10,384	4,748	7,928	15,603
Petroleum coke ..	—	5,410	6,071	4,184	8,123	8,381
Switzerland—						
Motor spirit ..	262,509	297,586	311,699	345,331	381,457	444,332
Kerosine ..	18,146	65,276	87,594	119,585	100,939	53,341
Fuel oil ..	506,310	585,666	611,409	651,906	704,229	967,199
Lubricating oil and grease ..	22,447	39,199	52,930	28,128	27,430	37,940
Other oils ..	74,153	91,529	90,598	101,241	114,279	126,328
Petroleum jelly ..	357	1,217	1,339	306	533	975
Paraffin wax and ceresin ..	1,579	4,835	3,215	1,739	2,128	3,459
Asphalt and bitumen ..	421	818	680	712	689	844
Yugoslavia—						
Crude petroleum ..		398,740	378,041	311,355	447,271	442,180
Aviation spirit ..		14,331	11,277	13,219	22,839	36,715
Motor spirit ..		39,748	25,243	3,016	31,323	23,929
Kerosine ..		(a)	(a)	(a)	1,077	3,172
Aviation turbine fuel ..		(a)	(a)	(a)	14,580	(a)
Fuel oils ..		20	83	(a)	7,806	(a)
Lubricating oil ..	(a)	16,378	18,471	14,091	17,804	11,825
Greases ..		6	—	59	31	27
Paraffin wax ..		1,343	1,027	833	1,015	118
Petroleum jelly ..		270	589	252	113	150
Bitumen ..		651	—	5,717	(a)	(a)
Petroleum coke ..		968	2,097	1,911	2,872	(a)

(a) Information not available.

(b) Imported for bunkering of national ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Aviation spirit	6,832	4,517	6,517	6,452	7,099	11,297
Motor spirit	156,617	189,227	202,866	216,233	237,667	197,879
White spirit	441	580	564	630	878	942
Kerosine	47,833	55,501	58,394	62,897	68,329	72,173
Gas oil	96,089	125,465	143,239	169,691	189,694	215,738
Fuel oil and diesel oil	151,780	185,020	238,424	207,776	277,445	286,185
Lubricating oil	25,115	22,845	25,901	19,807	16,578	21,153
Road oil, etc.	26,276	33,470	35,857	37,892	38,001	46,904
Paraffin wax	350	389	605	310	376	487
Petroleum jelly	16	9	38	41	24	7
Ozokerite and ceresin ..	25	5	14	4	—	4
Asphalt, etc., natural ..	29	611	248	85	53	14
Mastic asphalt	3,184	2,786	3,962	3,938	4,055	5,828
Angola—						
Motor spirit	16,140	21,858	26,156	32,687	30,381	38,789
Kerosine	2,296	2,619	3,627	5,071	3,953	5,596
Gas oil and fuel oil	7,897	8,705	12,716	18,651	20,512	27,699
Lubricating oil	1,843	2,434	3,511	4,964	3,599	4,415
Belgian Congo—						
Motor spirit, etc.	88,150	103,669	121,360	134,058	170,080	189,406
Kerosine	14,006	12,520	19,524	24,042	22,285	29,249
Fuel oil, etc.	29,654	31,932	56,131	53,848	73,386	130,237
Lubricating oil and greases	9,487	7,731	14,741	21,218	13,898	19,724
Petroleum jelly	(a)	3	41	86	41	49
Paraffin wax	(a)	2	21	100	68	136
Asphalt	1,362	3,559	2,884	5,303	6,034	908
Cameroon (French)—						
Motor spirit	19,308	23,235	29,355	42,295	37,055	45,525
Kerosine	4,117	5,841	5,234	10,913	7,802	12,622
Fuel oil	5,707	10,163	10,589	17,112	14,799	15,829
Lubricating oil	1,792	1,748	2,866	5,718	1,596	2,962
Canary Islands—						
Crude petroleum	2,014,628	2,142,101	2,527,985	2,478,624	1,165,423	(a)
Motor spirit					3,017	(a)
Gas oil (b)					537,946	(a)
Fuel oil (b)					806,632	(a)
Cape Verde Islands—						
Motor spirit	(a)	(a)	321	358	292	451
Kerosene	(a)	(a)	377	431	421	548
Fuel oil (b)	(a)	(a)	360,187	355,364	435,039	712,431
Ceuta—						
Motor spirit	196,954	104,851	410,320	400,972	7,265	(a)
Kerosine					312	(a)
Gas oil (b)					169,178	(a)
Fuel oil (b)					72,591	(a)
Lubricating oil					1,639	(a)
Egypt—						
Crude petroleum	—	2	58,936	94,880	45,688	630,555
Motor spirit	32,216	70,584	88,714	75,406	78,330	55,360
White spirit	1,048	461	416	623	652	674
Kerosine	448,019	434,068	405,458	475,930	487,259	544,050
Fuel oil	474,058	362,148	473,216	377,041	246,234	571,497
Gas oil	150,615	124,215	135,821	146,255	102,064	65,133
Diesel oil	102,330	117,041	151,873	137,879	107,316	84,693
Lubricating oil	32,452	32,602	42,832	30,708	29,397	32,589
Petroleum jelly	346	506	441	416	524	478
Paraffin wax	1,026	419	1,549	731	543	841
Ozokerite and ceresin ..	27	45	55	43	31	75
Asphalt and bitumen ..	856	554	3,579	198	77	669

(a) Information not available.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954	
FOREIGN COUNTRIES							
<i>(cont.)</i>							
Eritrea (b)—							
Motor spirit	2,663	4,269	2,367	} (c)	(c)	(c)	
Kerosine	3,803	3,651	3,623				
Fuel oil	7,669	6,589	4,005				
Lubricating oil	727	643	813				
Other products	9,332	8,217	3,949				
Ethiopia (b)—							
Motor spirit	18,992	16,268	19,167	22,254	39,785	(a)	
Kerosine	1,423	1,024	1,509	981	6,576	(a)	
Gas and fuel oils	1,304	1,372	1,475	2,687	8,812	(a)	
Lubricating oil and grease	1,169	912	885	2,639	4,367	(a)	
French Equatorial Africa—							
Aviation spirit	} 33,894	5,329	13,528	12,240	8,761	11,251	
Motor spirit		30,470	32,327	39,690	33,812	35,980	
Kerosine		4,799	4,138	7,001	10,111	8,707	10,765
Gas oil		} 12,149	8,539	13,957	21,133	17,035	23,038
Fuel oil			1,888	5,782	6,831	10,171	4,535
Lubricating oil	3,093	} 3,539	4,950	5,823	3,361	2,915	
Grease	179						
French Somaliland—							
Motor spirit	996	2,718	626	3,947	882	845	
Kerosine	206	725	174	1,881	9,459	3,323	
Fuel oil etc.	(a)	(a)	(a)	(a)	(a)	2,814	
Lubricating oil	1,285	425	95	(a)	315	241	
French Togoland—							
Crude petroleum	55	79	108	(a)	—	—	
Motor spirit	1,851	2,853	4,404	5,888	4,154	4,223	
Kerosine	1,997	1,405	3,340	5,293	3,306	4,167	
Fuel oil	1,060	1,282	999	2,871	2,253	3,254	
Lubricating oil	128	255	427	(a)	735	368	
French West Africa—							
Aviation spirit	(a)	39,565	28,345	20,601	9,515	35,530	
Motor spirit	65,787	67,812	84,346	117,992	122,582	104,352	
Kerosine	26,180	34,349	22,243	37,740	37,652	51,604	
Gas oil	26,475	45,372	43,896	41,542	45,092	45,085	
Diesel oil	236,013	268,295	156,489	(a)	(a)	12,339	
Fuel oil	83,461	475,273	843,465	42,807	68,247	85,188	
Lubricating oil	25,491	37,400	23,916	13,654	12,141	10,448	
Liberia—							
Aviation spirit	1,300	500	} (a)	(a)	} (a)	(a)	
Motor spirit	5,000	6,000					
Kerosine	700	2,600					
Gas oil	2,500	5,900					
Madagascar—							
Motor spirit	18,000	(a)	(a)	36,000	42,000	(a)	
Kerosine	4,000	(a)	(a)	9,100	12,000	(a)	
Fuel oil, gas oil, etc.	} 7,000	(a)	(a)	} 17,600	20,307	(a)	
Road oil, etc.							
Lubricating oil	2,000	(a)	(a)	6,300	5,700	(a)	
Asphalt and bitumen	(a)	(a)	(a)	(a)	(a)	(a)	
Melilla—							
Petroleum products	10,654	13,732	16,634	18,862	15,729	(a)	
Morocco (French)—							
Crude petroleum	—	2	(a)	20	(a)	(a)	
Motor spirit	166,042	205,742	204,326	278,100	271,044	298,000	
Kerosine	23,506	24,595	24,691	38,954	57,656	74,000	
Gas oil	54,336	83,848	85,615	104,742	105,046	103,000	
Fuel oil	123,082	160,808	178,792	248,638	240,204	131,000	
Lubricating oil	24,168	11,544	10,640	19,818	13,599	16,800	
Grease	(a)	1,451	1,129	(a)	(a)	900	
Paraffin wax	3,720	3,574	3,744	3,924	4,269	3,900	
Asphalt and bitumen	23,060	29,792	(a)	39,367	35,660	39,800	

(a) Information not available.

(b) Years ended September 10.

(c) Included with Ethiopia.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mozambique—						
Motor spirit	21,551	22,919	24,845	26,700	28,645	(a)
Kerosine	8,931	10,323	10,146	12,856	13,337	(a)
Fuel oil	17,458	18,490	24,227	27,055	27,657	(a)
Lubricating oil	2,796	3,041	2,984	3,610	4,132	(a)
Paraffin wax	39	46	27	23	37	(a)
Petroleum jelly	22	29	41	21	20	(a)
Asphalt and bitumen (c)	852	1,388	2,296	2,810	1,712	(a)
Portuguese Guinea—						
Motor spirit	1,035	1,173	1,235	(a)	(a)	(a)
Kerosine	475	501	358	(a)	(a)	(a)
Fuel oil	216	360	379	(a)	(a)	(a)
Lubricating oil	228	97	143	(a)	(a)	(a)
Reunion—						
Motor spirit	2,384	4,232	5,753	6,335	4,413	6,924
Kerosine	1,006	1,235	1,407	2,402	753	1,297
Fuel oil etc.	129	2,601	3,272	3,020	1,072	3,471
Lubricating oil	—	(a)	(a)	1,308	723	629
S. Tome and Principe—						
Motor spirit	(a)	462	1,073	906	777	813
Kerosine	(a)	140	188	328	351	324
Fuel oil	(a)	170	9,809	237	145	263
Tunis—						
Crude petroleum	10,703	—	—	—	—	—
Aviation spirit	1,494	68,235	136	80,300	219	172
Motor spirit	56,169		65,185		81,985	79,978
Kerosine	34,279	27,632	32,079	37,300	35,297	35,139
Fuel oil	41,141	59,410	65,268	79,000	130,119	144,761
Gas oil	56,276	64,121	72,154	86,500	85,259	84,273
Lubricating oil	9,464	8,208	10,403	8,700	5,534	7,242
Petroleum jelly	84	—	—	(a)	38	44
Paraffin wax	166	(a)	139	(a)	50	90
Costa Rica (b)—						
Motor spirit	21,248	28,654	27,500	42,000	51,806	(a)
Kerosine	2,164	4,200	5,000	(a)	7,300	(a)
Diesel oil	24,707	20,793	30,600	31,000	36,208	(a)
Fuel oil	33,185	38,643	37,800	(a)	43,124	(a)
Lubricating oil	3,204	2,533	2,000	(a)	3,476	(a)
Grease	111	102				(a)
Petroleum jelly	(a)	111	(a)	(a)	(a)	(a)
Paraffin wax	394	596	(a)	(a)	(a)	(a)
Asphalt	1,870	1,514	(a)	(a)	(a)	(a)
Cuba (b)—						
Crude petroleum	230,137	237,782	189,450	412,000	474,069	479,596
Aviation spirit	19,000	25,000	(a)	32,000	419,350	390,957
Motor spirit	221,551	278,568	353,730	369,000		
Kerosine	9	9	1,035	—	—	455
Fuel oil	1,081,707	1,147,848	1,208,133	1,355,375	981,933	1,227,023
Gas oil	13,079	22,247	20,632	(a)	(a)	(a)
Lubricating oil	20,332	25,861	34,558	31,360	(a)	(a)
Residual oils	16,327	32,155	—	(a)	(a)	(a)
Petroleum jelly	762	869	693	(a)	(a)	(a)
Greases	—	—	—	(a)	(a)	(a)
Paraffin wax	1,819	3,479	2,517	(a)	(a)	(a)
Asphalt rock	23	28	29	(a)	(a)	(a)
Other asphalt	76	171	143	(a)	(a)	(a)
Bitumen	9	—	2	(a)	(a)	(a)
Petroleum coke	536	46	2,610	(a)	(a)	(a)
Dominican Republic (b)—						
Motor spirit	35,170	36,682	56,744	57,694	61,530	91,723
Kerosine	6,254	6,283	9,877	8,185	8,119	10,160
Fuel oil	65,230	58,522	33,256	104,318	109,580	102,786
Lubricating oil	3,492	2,636	4,378	7,066	5,064	5,654
Other oils	2,593	2,363	2,369	12,060	11,433	14,721

(a) Information not available.

(c) Including coal tar and pitch.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
French West Indies—						
Guadeloupe—						
Motor spirit	9,269	13,916	13,651	10,680 3,773	12,437 4,161	25,626
Kerosine						
Fuel oil and lubricating oil						
Martinique—	2,615	(a)	9,410	6,500	5,567	
Motor spirit	8,511	8,857	10,028	11,399	11,392	28,896
Kerosine	1,998	1,919	4,620	4,585	5,374	
Gas and fuel oil	7,182	7,389	11,282	12,733	13,171	
Lubricating oil	1,038	(a)	(a)	1,068	636	
Guatemala—						
Crude petroleum, etc.	162,580	194,991	166,296	133,042	(a)	(a)
Aviation spirit	7,560	5,678	7,880	5,731	(a)	(a)
Motor spirit	36,741	39,010	35,244	52,909	(a)	(a)
Kerosine	5,877	6,943	9,337	11,117	(a)	(a)
Diesel oil	18,272	19,145	19,782	65,497	(a)	(a)
Fuel oil	323	1,057	1,363	1,769	(a)	(a)
Lubricating oil	3,406	2,353	4,172	2,450	(a)	(a)
Grease	204	217	231	268	(a)	(a)
Asphalt	763	14,449	2,234	8,292	(a)	(a)
Paraffin wax, etc.	1,300	2,036	2,303	2,081	(a)	(a)
Haiti (b)—						
Motor spirit	16,456	16,465	18,276	21,015	(a)	(a)
Kerosine	2,872	2,559	2,911	3,006	(a)	(a)
Fuel oil, etc.	(a)	15,933	15,093	10,622	(a)	(a)
Lubricating oil	751	757	(a)	(a)	(a)	(a)
Honduras (c)—						
Motor spirit	(a)	16,600	21,000	24,746	(a)	(a)
Kerosine, etc.		1,100	1,700	(a)	(a)	(a)
Fuel oil		126,300	140,000	136,995	(a)	(a)
Lubricating oil		1,540	2,000	1,930	(a)	(a)
Mexico—						
Crude petroleum	6,406	3	740	—	24	2
Motor spirit	148,946	142,680	111,776	172,817	263,835	343,203
Kerosine	3,996	6,664	1,452	1,683	5,048	77,121
Gas oil	18,392	18,103	11,515	13,090	17,963	177,790
Fuel oil	137,855	117,204	52,474	201,665	369,351	399,939
Lubricating oil	49,543	58,685	61,479	69,929	66,516	98,744
Grease	4,430	4,894	3,871	4,644	3,479	4,926
Paraffin wax	23,047	30,856	25,544	34,638	39,316	43,744
Petroleum jelly	780	1,023	1,851	463	881	665
Asphalt	8,600	6,342	4,854	10,243	9,734	2,877
Asphalt rock	583	325	340	1,062	980	5,460
Natural gas (million cu. ft.)	16,641	22,678	19,419	18,843	19,060	22,845
Netherlands West Indies—						
Crude petroleum	37,258,468	41,513,562	44,748,735	41,919,669	36,108,042	(a)
Aviation spirit	220,660	202,218	222,854	(a)	(a)	(a)
Motor spirit	8	4,652	194,054	(a)	(a)	(a)
Kerosine	167	11,121	37,092	(a)	(a)	(a)
Fuel oil	1,998,781	1,958,553	1,826,618	1,804,410	(a)	(a)
Diesel oil	131,105	27,456	142	142,938	(a)	(a)
Gas oil	55,992	33,605	409,208		(a)	(a)
Lubricating oil	7,631	5,405	6,482		(a)	(a)
Asphalt	15	36	143	(a)	(a)	(a)
Nicaragua (d)—						
Aviation spirit	17,130	7,132	6,126	4,490	4,549	(a)
Motor spirit		10,863	17,534	20,115	25,993	(a)
Kerosine		3,523	4,642	6,076	6,636	9,124
Fuel oil	(a)	39,035	33,892	54,625	50,976	(a)
Lubricating oil	1,540	1,610	2,535	2,759	2,373	(a)
Paraffin wax	(a)	225	384	303	477	(a)
Petroleum jelly	(a)	30	46	134	68	(a)

(a) Information not available.

(b) Years ended September 30.

(c) Years ended June 30 of year stated.

(d) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Panama Republic—						
Motor spirit	40,491	50,802	57,000	65,000	65,068	71,600
Kerosine	11,375	13,440	13,000	16,000	15,481	18,800
Diesel oil	16,682	22,291	24,000	35,000	27,944	28,600
Fuel oil	85,533	79,456	84,000	113,000	122,368	88,100
Lubricating oil	2,294	2,294	2,400	2,598	2,681	2,500
Asphalt	429	900	(a)	392	944	(a)
St. Pierre and Miquelon—						
Motor spirit	780	408	479	1,256	2,515	3,000
Gas oil and fuel oil ..		361	464			
Salvador—						
Motor spirit	22,820	30,850	37,641	43,402	48,618	52,883
Kerosine	4,230	4,843	6,470	9,309	12,738	14,176
Gas oil and diesel oil ..	9,328	10,899	13,864	16,821	17,112	16,233
Fuel oil	41,442	42,350	48,338	58,465	53,239	61,862
Lubricating oil	1,104	1,146	(a)	1,947	1,929	2,939
Grease	174	152	119	244	323	331
Paraffin wax, etc.	584	27	922	663	826	816
Asphalt	1,628	904	1,418	1,817	3,414	3,556
United States—						
Crude petroleum	22,118,025	24,676,627	25,353,445	29,643,665	33,287,299	34,602,109
Aviation spirit	380	2	—	13,198	2,244	147
Motor spirit, etc.	1,711	22,661	46,143	191,968	56,833	135,453
Naphtha	151	3,470	9,092	11,171	8,286	4,708
Kerosine	2	34,329	23	3,637	2	2
Fuel oil	11,287,386	17,872,337	17,766,055	19,270,969	20,356,664	19,291,221
Gas oil and diesel oil ..	320,888	381,996	394,453	489,980	680,179	594,961
Unfinished distillates and topped oils ..	617,395	1,051,685	737,116	441,113	281,784	1,138,077
Lubricating oil, etc. ..	30	105	37	112	68	203
Road oil, etc.	16,674	12,785	17,699	12,512	8,456	9,126
Paraffin wax, etc.	106	85	27	1	130	434
Ozokerite and ceresin ..	8	47	36	220	175	406
Petroleum jelly	—	—	1	3	4	—
Asphalt (petroleum)	174,028	275,856	377,094	427,511	401,977	553,331
Asphalt and bitumen (natural)	3,669	5,235	5,629	3,751	2,410	3,789
Natural gas (million cu. ft.)	—	—	—	6,886	9,329	7,683
Argentina—						
Crude petroleum	1,565,201	2,907,027	2,773,100	2,965,759	3,542,521	3,586,421
Motor spirit	137,372	116,721	32,000	39,903	47,745	47,720
Kerosine	43,004	7,652	(a)	25,861	9,055	20,133
Gas oil	12,290	11,074	(a)	71,317	86,009	211,073
Fuel oil	2,368,740	2,017,203	2,705,977	2,927,129	2,046,758	2,038,995
Diesel oil	85,084	61,743	45,077	96,655	150,692	106,435
Lubricating oil	24,458	42,949	41,325	49,741	64,067	40,600
Bolivia—						
Crude petroleum, etc. ..	70,916	56,755	68,519	83,558	71,423	10,619
Aviation spirit	6,011	4,673	5,754	4,384	7,000	11,969
Motor spirit	14,044	5,185	8,140	6,664	18,576	29,006
Kerosine	3,044	233	309	283	5,964	2,213
Lubricating oil and grease	2,044	2,454	4,968	4,606	4,006	2,780
Paraffin wax	1,535	1,038	2,003	1,223	1,042	1,598
Tar, pitch, etc.	747	242	415	1,510	88	116
Brazil (total imports)—						
Crude petroleum	—	58,000	19,294	17,470	29,903	140,150
Aviation spirit	(a)	(a)	(a)	186,566	194,974	214,420
Motor spirit	1,392,507	1,592,454	1,944,858	2,182,130	2,391,072	2,369,613
Kerosine	205,018	232,748	276,101	347,293	401,647	529,975

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil—(cont.)						
Gas oil	9,901	565,000	(a)	(a)	(a)	(a)
Diesel oil	422,156		669,822	856,493	1,026,709	1,209,787
Fuel oil	1,363,200	1,703,000	2,037,006	2,274,067	1,412,125	2,000,715
Lubricating oil	75,304	113,701	180,534	146,201	159,634	205,164
Transformer oil	2,102	(a)	5,684	1,772	873	2,664
Petroleum jelly	683	(a)	2,606	510	225	2,863
Greases	503	(a)	813	594	149	379
Paraffin wax	2,817	(a)	10,468	6,468	4,120	15,117
Asphalt and bitumen	30,297	53,037	81,348	26,295	24,491	34,947
Chile—						
Aviation spirit	13,059	7,473	5,377	3,143	15,573	14,875
Motor spirit	234,472	214,855	240,458	263,610	264,908	312,149
Kerosine	35,996	38,266	55,034	64,266	73,100	136,500
Diesel oil	103,232	86,497	130,335	101,333	116,136	206,700
Fuel oil	585,812	(a)	781,000	(a)	(a)	(a)
Residual fuel oil	824,883	488,099	890,566	666,037	788,349	902,500
Lubricating oil	21,556	17,740	32,174	26,477	22,657	25,340
Petroleum jelly	314	30	55	12	(a)	(a)
Greases	924	771	1,639	1,432	987	892
Paraffin wax	9,328	5,739	7,947	8,726	6,033	6,360
Colombia—						
Aviation spirit	17,000	32,000	38,746	43,044	49,015	55,840
Motor spirit	133,000	123,000	161,164	193,414	303,121	371,160
Kerosine	45	(a)	25,097	34,928	58,963	95,281
Gas oil and diesel oil	4,290	40,000	15,882	10,469	15,038	74,286
Fuel oils	21,930		37,227	44,707	56,847	11,093
Lubricating oil	9,163	1,260	11,656	16,518	15,100	25,430
Petroleum jelly	163	(a)	241	289	297	407
Paraffin wax	10,590	(a)	11,319	16,051	21,986	23,407
Ecuador—						
Aviation spirit	4,163	3,141	(a)	(a)	(a)	7,863
Motor spirit	3,417	4,314	(a)	(a)	(a)	17,242
Lubricating oil and greases	2,443	2,305	(a)	(a)	(a)	3,277
Asphalt and bitumen	(a)	(a)	(a)	(a)	(a)	2,089
French Guiana—						
Motor spirit	1,786	772	3,799	5,205	4,162	6,204
Kerosine		373				
Fuel oil, etc.		804				
Paraguay—						
Motor spirit	(a)	14,000	9,500	18,800	(a)	(a)
Kerosine		3,500	3,200	6,000	(a)	(a)
Fuel oil, etc.		2,600	2,300	5,500	(a)	(a)
Gas oil		(a)	(a)	(a)	(a)	(a)
Lubricating oil		1,100	600	1,800	(a)	(a)
Paraffin wax		(a)	(a)	(a)	(a)	(a)
Asphalt, tar, etc.		(a)	(a)	(a)	(a)	(a)
Peru—						
Aviation spirit	30,709	30,266	50,784	29,493	29,901	44,859
Kerosine	—	—	—	16	7	—
Lubricating oil	5,498	6,548	8,456	10,315	10,768	13,018
Petroleum jelly	144	46	109	74	91	86
Paraffin wax	4,196	3,963	1,917	4,193	4,099	4,460
Asphalt and bitumen	154	69	21	16	11	23
Greases	357	5	635	704	727	813
Ozokerite	2	—	10	1	1	6

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Uruguay—						
Crude petroleum ..	537,439	325,189	878,104	1,040,000	1,185,000	1,274,981
Motor spirit, etc. ..	29,000	30,059	18,800	21,100	6,600	3,700
Kerosine ..	—	—	—	1,500	—	(a)
Gas oil ..	985	—	—	16	3,341	9,200
Diesel oil ..	6,319	4,306	3,440	32,400	11,900	19,600
Fuel oil ..	19,691	438	38,717	132,200	21,000	29,300
Lubricating oil and greases ..	8,561	9,367	15,452	11,581	10,306	16,689
Paraffin wax ..	87	406	—	83	470	(a)
Venezuela—						
Motor spirit ..	34,861	36,012	40,607	36,550	55,003	(a)
White spirit ..	27	8	7	72	25	(a)
Kerosine ..	1,399	—	—	3	—	(a)
Gas oil ..	3,806	117	—	1	—	(a)
Fuel oil ..	5,938	—	1	2	6	(a)
Lubricating oil ..	35,303	35,431	44,601	42,457	39,554	(a)
Paraffin wax ..	3,449	4,842	4,558	5,146	4,045	(a)
Petroleum jelly ..	203	204	157	114	2,925	(a)
Asphalt, bitumen, etc. ..	21,115	(a)	(a)	15,523	694	(a)
Afghanistan—						
Motor spirit ..	15,033	(a)	(a)	(a)	(a)	(a)
Kerosine ..	636	(a)	(a)	(a)	(a)	(a)
Diesel oil ..	3,800	(a)	(a)	(a)	(a)	(a)
Lubricating oil ..	840	(a)	(a)	(a)	(a)	(a)
Formosa—						
Motor spirit ..	(a)	244	14,417	6,870	46,312	25,768
Fuel oil (incl. crude) ..		84,762	80,938	(a)	281,798	148,607
Lubricating oil ..		3,309	5,528	9,398	5,921	8,456
Paraffin wax ..		489	451	1,497	636	1,685
French Indo-China—						
Motor spirit ..	62,381	68,769	99,542	271,052	350,400	395,231
Kerosine ..	22,782	23,449	30,145			
Fuel oil ..	20,331	19,595	57,434			
Gas oil ..	9,280	7,010	5,647			
Lubricating oil ..	6,484	5,226	5,647			
Indonesia—						
Crude petroleum ..	1,634,000	1,549,754	1,471,762	2,175,907	2,242,607	2,097,393
Motor spirit ..	1,500	2,499	31,520	1,462	12,234	7,337
Kerosine ..	8,400	3,894	775	6,405	8,175	1,052
Fuel and gas oils ..	4,662	3,643	1,513	17,850	13,105	2,756
Lubricating oil ..	20,860	31,373	28,724	40,419	35,970	33,832
Asphalt ..	43,540	24,093	1,033	26,834	24,306	11,942
Iran (b) (c)—						
Motor spirit ..	(a)	(a)	149	(a)	(a)	(a)
Kerosine ..	(a)	(a)	3,181	(a)	(a)	(a)
Fuel oil ..	4	170	405	(a)	(a)	(a)
Lubricating oil ..	1,629	3,628	5,579	(a)	(a)	(a)
Paraffin wax ..	887	(a)	467	(a)	(a)	(a)
Petroleum jelly ..	226	206	276	(a)	(a)	(a)
Iraq—						
Crude petroleum ..	106,859	192,907	106,917	(a)	(a)	(a)
Motor spirit ..	23,935	25,279	28,087	(a)	(a)	(a)
Kerosine ..	44,317	53,980	27,150	(a)	(a)	(a)
Fuel oil ..	97,600	(a)	91,600	(a)	(a)	(a)
Lubricating oil ..	11,537	8,887	12,743	(a)	(a)	(a)
Greases ..	222	118	207	(a)	(a)	(a)
Asphalt and bitumen ..	987	183	190	(a)	(a)	(a)

(a) Information not available.

(c) Total imports.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Israel—						
Crude petroleum ..	137,346	192,966	696,000	862,480	(a)	(a)
Aviation spirit ..	—	9,373	16,198	10,777	3,038	3,389
Motor spirit ..	92,547	115,088	50,000	25,770	162,575	160,565
Kerosine ..	61,730	67,566	14,200	20,637	132,433	130,872
Fuel oils ..	316,511	325,524	85,800	164,918	633,932	745,707
Lubricating oils ..	8,694	9,121	12,069	8,647	6,361	1,584
Paraffin wax ..	624	437	777	430	522	1,288
Petroleum jelly ..	58	14	167	228	—	—
Asphalt ..	4,015	23,814	4,702	1,236	730	540
Turpentine substitute	328	208	459	90	252	126
Japan—						
Crude petroleum ..	1,797	1,213,847	2,442,003	3,581,861	4,995,017	6,250,682
Aviation spirit ..	(a)	—	3,400	—	58,289	29,020
Motor spirit ..	(a)	30,254	31,183	101,809	212,141	282,410
Kerosine ..	(a)	4,134	41	59	3,273	21,937
Gas oil ..		119,437	129,576	19,904	79,971	68,688
Fuel oil ..		409,875	890,594	1,017,985	2,536,160	2,265,661
Lubricating oil ..		33,196	7,214	28,201	31,549	38,469
Grease ..		936	591	1,318	1,316	1,315
Petroleum jelly ..	(a)	487	2,451	569	1,528	1,725
Paraffin wax ..		967	5,573	4,073	2,165	656
Gilsonite ..		(a)	1,345	545	1,304	1,651
Asphalt and pitch		46	199	1,020	104	505
Petroleum coke ..		67,407	238,976	284,225	170,408	112,153
Jordan—						
Motor spirit ..	18,006	21,341			21,357	24,539
Kerosine ..	15,518	24,058			23,299	23,037
Diesel oil, etc. ..	(a)	9,531	(a)	(a)	22,709	23,751
Lubricating oil ..	(a)	1,223			1,529	1,465
Petroleum jelly ..	(a)	1,230			(a)	(a)
Lebanon—						
Crude petroleum ..	(b)	25,490	25,190	34,050	36,487	35,546
Motor spirit ..	(b)	57,280	82,570	94,780	104,439	116,309
Fuel oil ..	(b)	115,250	128,140	134,280	(a)	(a)
Macao—						
Motor spirit ..	(a)	(a)	(a)	(a)	(a)	(a)
Kerosine ..	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic—						
Aviation spirit ..			20,442	20,921	19,353	19,614
Motor spirit ..	413,000	463,464	377,080	457,081	438,968	439,946
Kerosine ..	127,000	149,384	127,580	135,726	142,560	147,710
Diesel oils ..	243,000	301,269	309,103	319,762	311,049	378,589
Fuel oil ..	259,000	297,177	276,222	346,728	354,522	495,962
Lubricating oils ..	31,000	29,720	54,011	39,261	30,957	40,558
Grease ..	2,800	3,156	3,791	2,320	2,119	2,625
Petroleum jelly ..	1,629	2,042	2,884	423	707	2,004
Paraffin wax ..	3,926	5,137	5,013	3,402	4,752	4,957
Asphalt ..	27,096	8,140	5,586	10,282	32,337	3,418
Portuguese India—						
Motor spirit ..	2,867	(a)	(a)	(a)	(a)	(a)
Kerosine ..	2,851	(a)	(a)	(a)	(a)	(a)
Lubricating oils ..	209	(a)	(a)	(a)	(a)	(a)
Other oils ..	2,362	(a)	(a)	(a)	(a)	(a)
Siam—						
Motor spirit ..	81,539	86,626	111,992	(a)	(a)	(a)
Kerosine ..	57,149	50,653	52,801	(a)	(a)	(a)
Syria (c)—						
Motor spirit ..	98,100	74,700	68,108	77,600	84,976	91,130
Kerosine ..	56,800	45,395	46,069	47,000	50,100	56,014
Fuel oil and diesel oil	190,392	94,400	121,219	217,963	255,562	322,999
Lubricating oil ..	8,500	6,536	6,573	5,000	7,000	(a)
Asphalt and bitumen ..	6,626	1,179	4,239	4,000	6,000	(a)

(a) Information not available.

(b) Included with Syria.

(c) Including Lebanon in 1949.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Turkey—						
Motor spirit	190,234	192,568	241,227	276,246	324,189	298,603
Kerosine	109,298	122,956	168,315	199,326	224,165	235,688
Fuel oil	133,605	150,342	197,627	274,205	330,935	342,823
Heavy oils	37,075	24,201	34,906	44,472	57,453	52,440
Paraffin wax and petroleum jelly	559	458	1,724	762	825	1,518
Ozokerite and ceresin	5	18	16	66	46	45
Asphalt	(a)	(a)	7,717	9,674	5,886	16,387
French Oceania—						
Motor spirit	5,587	7,659	7,156	3,139	9,141	9,006
Kerosine				1,519		
Other oils				4,662		
New Caledonia—						
Motor spirit	5,298	2,716	6,795	8,266	9,685	19,661
Kerosine	835	867	2,040	2,291	2,185	
Gas and fuel oils	3,444	119	6,364	5,615	6,094	
Lubricating oil, etc.	560	377	46	827	628	

(a) Information not available.

PRODUCTION OF PHOSPHATE-ROCK (cont.)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.									
	1949	1950	1951	1952	1953	1954	1954	1955	1956	1957
FOREIGN COUNTRIES										
<i>(cont.)</i>										
Algeria	638,000	666,400	764,300	691,491	608,950	746,000	746,000	384,000	436,000	470,000
Egypt	344,945	390,934	492,956	518,878	476,480	526,245	526,245	295,000	319,000	326,000
French West Africa (e)	(a)	(a)	797	21,060	45,096	5,400	5,400	(a)	(a)	(a)
Madagascar	(a)	(a)	(a)	1,284	1,531	1,321	1,321	(a)	(a)	(a)
Morocco (French)	5,634,635	3,811,084	4,642,300	3,890,700	4,090,366	4,940,200	4,940,200	2,945,000	2,802,000	3,557,000
Tunisia	1,419,200	1,500,700	1,652,400	2,228,890	1,691,388	1,794,563	1,794,563	1,032,000	1,360,000	1,095,000
Netherlands West Indies	111,230	90,500	105,214	99,547	88,644	122,601	122,601	65,000	74,000	89,000
United States	8,877,474	11,114,159	10,775,032	11,400,000	12,503,830	13,821,100	13,821,100	8,712,000	8,100,000	9,700,000
Brazil	12,142	(d)12,000	(d)12,500	(d)12,500	(d)12,500	(d)12,500	(d)12,500	7,000	7,000	7,000
Chile (apatite)	48,531	45,730	36,595	12,110	58,241	(a)	(a)	22,800	7,400	32,300
China (d)	20,000	20,000	20,000	20,000	26,000	26,000	26,000	14,000	14,000	18,000
Israel	(a)	(a)	(a)	(a)	(a)	60,000	60,000	(a)	(a)	36,000
Japan	673	254	141	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Jordan	(a)	(a)	(c)10,000	(c)25,000	40,000	73,666	73,666	(a)	(a)	(a)
Angaur Island	b 240,271	b 149,841	b 142,161	82,580	96,845	93,846	93,846	66,000	56,000	63,000
French Oceania (Makatea)	260,913	266,027	248,000	263,000	271,500	290,000	290,000	223,000	216,000	238,000
TOTAL	18,230,000	20,830,000	21,910,000	22,240,000	22,900,000	25,460,000	25,460,000			
WORLD'S TOTAL	19,596,000	22,520,000	23,520,000	24,130,000	24,730,000	27,400,000	27,400,000			

(a) Information not available.

(b) Exports.

(c) Estimated.

(d) Estimated by International Superphosphate Manufacturers' Association.

(e) In addition, the following amounts of aluminum phosphates were produced (long tons):—1949—5,585; 1950—11,722; 1951—24,113; 1952—42,469; 1953—51,598; 1954—88,800.

PRODUCTION OF SUPERPHOSPHATES†
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	1,123,679	1,048,188	782,058	770,547	1,007,762	873,068
Union of South Africa*	403,511	517,857	399,302	424,859	511,246	496,118
Canada (c)	215,625	(e) 220,000	(e) 210,000	(e) 205,000	179,962	194,858
India	46,724	51,708	61,018	46,650	47,674	102,631
Australia (c) .. .	1,423,137	1,483,458	1,547,823	1,597,080	1,581,001	1,771,277
New Zealand (d) ..	616,382	635,955	565,803	598,899	680,497	904,328
Irish Republic .. .	138,925	162,255	160,199	121,121	169,210	170,144
FOREIGN COUNTRIES						
Belgium	335,995	366,817	394,946	218,768	157,572	276,012
Czechoslovakia* ..	(e) 200,000	(e) 250,000	(e) 230,000	(a)	(a)	(a)
Denmark	426,107	410,787	431,550	400,910	433,393	438,942
Finland (b)	193,275	225,831	235,914	278,776	304,300	289,717
France	1,182,605	1,175,813	1,243,360	846,262	916,800	1,053,700
Germany*	600,000	650,000	650,000	(g) 564,732	(g) 501,222	(g) 434,851
Greece*	97,473	70,666	152,308	128,025	117,033	197,309
Hungary*	(e) 40,000	(e) 40,000	(e) 75,000	(e) 60,000	(a)	(a)
Italy	1,458,019	1,424,240	1,579,029	1,614,060	1,781,166	2,013,900
Netherlands	836,029	869,588	863,544	394,607	574,900	689,314
Norway	35,135	65,146	74,256	76,481	90,640	121,595
Poland	(f) 392,034	(f) 382,183	(e) 270,000	(e) 250,000	(e) 250,000	(e) 250,000
Portugal	298,661	308,783	390,998	349,032	372,533	380,471
Roumania	3,700	4,700	9,100	17,800	18,300	(a)
Spain	822,683	948,353	1,094,646	1,245,316	1,271,472	1,777,642
Sweden	428,893	464,595	494,281	490,062	517,398	574,865
Switzerland	17,960	(e) 18,000	15,800	12,900	9,400	9,488
U.S.S.R. (e)* .. .	2,500,000	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000
Yugoslavia (e)* ..	40,000	25,000	30,000	30,000	30,000	30,000
Canary Islands .. .	16,000	16,000	15,956	22,000	22,404	20,786
Egypt*	58,306	67,634	87,088	104,160	95,393	148,067
Algeria	81,475	83,756	108,072	100,033	92,797	129,029
Morocco (French) ..	54,100	68,900	82,700	77,400	75,800	94,428
Tunis	42,900	48,800	53,199	51,890	(a)	96,321
Cuba*	23,276	25,000	30,000	27,000	26,000	30,000
Mexico*	(e) 16,000	(e) 16,000	21,000	57,600	75,000	64,993
United States* .. .	9,387,564	9,720,537	9,497,770	10,869,735	10,652,093	10,573,051
Argentina*	5,000	5,000	5,000	5,000	5,000	5,000
Brazil*	26,000	26,000	71,000	(e) 72,000	(e) 72,000	(e) 72,000
Colombia*	4,000	4,000	2,000	2,000	2,000	2,000
Uruguay*	1,600	2,000	4,000	4,000	4,000	4,000
Formosa	(a)	37,200	53,296	61,084	68,053	76,816
Israel*	5,531	10,198	11,283	24,051	34,411	(e) 65,000
Japan	1,142,485	1,385,759	1,481,813	1,333,899	1,490,541	1,824,234
Turkey	8,457	12,926	18,518	20,899	21,653	20,252
WORLD'S TOTAL ..	24,776,000	25,846,000	26,485,000	26,800,000	27,300,000	29,600,000

†Including, in some cases, concentrated superphosphate converted to ordinary superphosphate.

*Source: International Superphosphate Manufacturers' Association.

(a) Information not available.

(b) Including "Kotka" phosphate.

(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) Federal Republic only.

PRODUCTION OF BASIC SLAG
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain (b) ..	634,956	658,908	622,195	466,805	600,782	540,833
FOREIGN COUNTRIES						
France	1,230,219	1,150,106	1,287,372	1,435,397	1,297,230	1,376,912
Germany (Federal) ..	1,053,000	1,339,000	1,442,000	1,780,000	1,613,000	1,796,000
Italy	(a)	(a)	(a)	32,398	42,693	(a)
Luxemburg	525,000	488,000	597,000	(a)	507,400	551,933
Saar	263,138	275,662	401,081	425,668	399,492	440,627
Sweden	12,277	15,911	14,275	11,364	14,048	(a)

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

(a) Information not available.

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

EXPORTS OF PHOSPHATES, Etc.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Superphosphates ..	1,936	3,186	1,564	1,139	1,353	1,104
Other phosphatic fertilizers ..	(a)	(a)	(a)	(a)	1,683	1,516
Seychelles—						
Phosphatic guano ..	13,727	9,691	4,404	10,944	8,719	11,676
Somaliland Protectorate—						
Phosphatic guano ..	571	303	680	521	358	(a)
South West Africa—						
Phosphatic guano ..	938	568	772	1,633	1,579	582
Uganda—						
Phosphates ..	—	—	2,207	4,931	5,363	2,967
Union of South Africa—						
Superphosphates ..	25,413	27,989	21,729	(a)	(a)	(a)
Canada—						
Phosphatic fertilizer ..	130,815	108,224	127,276	134,148	157,986	171,503
Christmas Island (b)—						
Phosphate-rock ..	243,475	315,361	333,343	349,158	280,192	350,960
Hong Kong (c)—						
Superphosphates, basic slag, etc. ..	(a)	(a)	(a)	(a)	2,044	—
Malaya (c)—						
Phosphatic fertilizers ..	231	73	94	249	114	116
Australia—						
Superphosphates ..	1,221	356	987	1,096	1,323	2,340
New Zealand—						
Superphosphates ..	1	1	2	5	5	18
Nauru Island—						
Phosphate-rock ..	789,400	1,053,450	928,050	1,145,650	1,159,750	1,178,150
Ocean-Island—						
Phosphate-rock ..	260,900	247,250	252,400	275,600	282,362	292,200
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Phosphate-rock ..	1,648	9,609	6,579	35,279	2,546	7,003
Superphosphates ..	360,089	329,202	323,484	183,851	137,343	136,759
Di-calcium phosphate ..	50,784	50,720	80,210	67,729	101,336	107,143
Basic slag ..	899,624	818,302	1,094,598	938,073	961,838	1,081,764
Denmark—						
Superphosphates ..	17,362	12,031	7,928	46	81	—
France—						
Phosphate-rock ..	24	599	2,816	2,744	849	314
Superphosphates ..	160,775	118,577	122,842	61,151	25,331	21,705
Basic slag ..	292,776	334,492	235,241	297,527	295,457	281,485
Di-calcium phosphates	930	689	833	262	4,211	4,093
Germany (Federal)—						
Phosphate-rock ..	257	—	3,445	—	—	—
Superphosphates ..	—	7,374	16,491	18,375	28,967	21,005
Basic slag ..	(a)	(a)	—	103	45,308	44,612
Italy—						
Superphosphates, including bone superphosphates ..	218,511	54,778	15,840	105,238	75,717	108,352

(a) Information not available.

(c) Including re-exports.

(b) Including exports to Federation of Malaya.

EXPORTS OF PHOSPHATES, Etc. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Superphosphates ..	364,360	468,995	464,120	377,725	267,471	278,419
Basic slag	—	—	—	—	—	63
Portugal—						
Superphosphates ..	29,128	51,512	52,236	17,627	16,189	21,428
Spain—						
Superphosphates, etc.	35,760	29,222	88,439	24,917	23,982	(a)
Sweden—						
Phosphate-rock ..	1,476	—	—	—	—	—
Basic slag	—	—	—	2,461	—	10,296
U.S.S.R.—						
Apatite	} (c)	(c)	(c)	(c)	(c)	(c)
Other phosphate-rock						
Algeria—						
Phosphate-rock ..	560,966	598,188	684,414	592,279	530,277	676,673
Superphosphates ..	4,900	7,087	18,423	7,781	16,743	9,367
Egypt—						
Phosphate-rock ..	143,323	492,000	369,260	416,128	373,128	388,839
French West Africa—						
Phosphate rock ..	—	—	—	5,383	17,745	14,980
Aluminium phosphates	5,202	9,385	30,215	38,266	63,334	57,736
Morocco (French)—						
Phosphate-rock ..	3,483,382	4,076,890	4,379,922	3,816,654	4,048,001	4,865,523
Tunis—						
Phosphate-rock ..	1,711,143	1,547,000	2,065,586	1,725,117	1,480,051	1,892,180
Hyperphosphates ..	146,885	142,274	127,904	108,587	82,245	22,558
Superphosphates ..	(a)	(a)	7,516	(a)	11,268	53,418
Netherlands West Indies—						
Phosphate-rock ..	91,546	88,667	106,895	105,200	94,518	
United States—						
Phosphate-rock ..	1,257,962	1,832,048	1,726,979	1,429,284	2,100,798	2,385,013
Superphosphates (b)	315,988	242,562	266,689	259,091	250,738	387,300
Angaur Island—						
Phosphate-rock ..	240,000	150,000	142,161	82,580	108,998	122,601
French Oceania (Makatea)—						
Phosphate-rock ..	235,749	250,802	224,259	210,182	246,555	225,280
Japan—						
Superphosphates ..	1,641	—	535	39,368	83,668	143,887
Jordan—						
Phosphate-rock ..	—	(a)	6,150	24,547	38,384	42,808

(a) Information not available.

(b) Including concentrated superphosphate.

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

	1949	1950	1951	1952	1953	1954
United Kingdom ..	—	—	—	—	—	—
Belgium	(a)	—	—	17,784	53,224	43,041
Netherlands	—	—	—	17,518	58,149	44,288
Norway	16,277	27,085	19,723	19,924	15,228	(a)
Sweden	31,156	34,243	48,202	27,684	27,988	21,769

IMPORTS OF PHOSPHATES, Etc.

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Phosphate-rock ..	1,086,653	1,109,294	1,030,083	962,688	1,078,635	1,110,294
Guano, raw ..	1,015	3,211	3,095	1,262	780	1
Superphosphates ..	87,829	168,573	294,457	34,995	17,651	1,565
Basic slag ..	219,551	258,173	171,190	68,321	137,324	45,588
Kenya—						
Superphosphates, basic slag, etc. ..	3,782	10,940	7,202	8,805	10,841	7,776
Mauritius—						
Phosphatic guano ..	2,842	2,775	2,921	2,331	2,326	4,744
Superphosphates, basic slag, etc. ..	100	100	256	472	192	258
Nigeria—						
Phosphate-rock ..	(a)	(a)	(a)	(a)	(a)	1,362
Superphosphates ..	(a)	(a)	(a)	(a)	(a)	118
Other phosphatic fertilizers ..	(a)	(a)	(a)	(a)	(a)	80
Southern Rhodesia—						
Superphosphates ..	21,364	28,910	46,404	33,781	42,306	(b) 49,980
South West Africa—						
Superphosphates ..	655	497	831	(a)	(a)	(a)
Tanganyika—						
Superphosphates, basic slag, etc. ..	132	2,741	1,383	663	269	1,116
Uganda—						
Superphosphates, basic slag, etc. ..	4	7	39	22	25	8
Union of South Africa—						
Phosphate-rock ..	237,435	373,764	366,831	375,477	253,570	(a)
Superphosphates ..	22,526	45	—	3	13	(a)
Basic slag ..	—	—	—	—	15,461	(a)
Canada—						
Phosphate-rock ..	554,293	438,416	446,170	420,458	514,732	575,768
Superphosphates, triple do., other ..	149,618	163,234	167,779	192,219	182,668	17,769
Basic slag (c) ..	2,679	—	1,893	—	893	160,942
British West Indies—						
Jamaica—						
Phosphatic fertilizers	251	720	1,219	431	191	392
St. Vincent—						
Superphosphates ..	10	32	116	161	156	12
Trinidad and Tobago—						
Superphosphates ..	102	10	1,315	809	598	588
Basic slag ..	—	75	—	25	—	24
British Guiana—						
Superphosphates, basic slag, etc. ..	601	(a)	1,070	668	859	3,042
Aden—						
Guano, raw ..	860	(a)	(a)	(a)	(a)	(a)
Ceylon—						
Phosphate-rock ..	24,609	31,548	38,346	26,171	31,271	43,626
Superphosphates ..	493	716	474	892	1,749	2,344
Basic slag ..	322	99	124	183	188	129
Cyprus—						
Superphosphates ..	17,290	20,881	24,805	20,853	26,006	31,007
Hong Kong (total imports)—						
Superphosphates, basic slag, etc. ..	1,968	1,176	30	29	2,067	161

(a) Information not available.

(c) Revised.

(b) Federation of Rhodesia and Nyasaland.

IMPORTS OF PHOSPHATES, Etc. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES (cont.)						
India—						
Superphosphates ..	948	—	2,965	1,034	7,873	1
Ammonium phosphate ..	18,666	—	—	1,350	300	—
Other phosphates ..	9,608	53,445	45,070	23,325	21,967	71,380
Malaya (total imports)—						
Phosphate-rock ..	—	—	6,689	—	—	50
Phosphatic fertilizers ..	529	1,784	1,371	1,376	1,296	3,074
North Borneo—						
Phosphate-rock ..	(a)	(a)	(a)	(a)	(a)	104
Superphosphates ..	(a)	(a)	(a)	(a)	(a)	11
Pakistan (b)—						
Superphosphates ..	(a)	(a)	155	62	—	—
Sarawak—						
Natural phosphates ..	(a)	(a)	(a)	(a)	(a)	175
Phosphatic fertilizers ..	(a)	(a)	(a)	(a)	(a)	2,600
Australia—						
Phosphate-rock ..	1,016,291	1,224,827	1,050,462	1,095,127	1,181,709	1,160,397
Superphosphates ..	—	12,267	2,017	17	—	—
New Zealand—						
Phosphate-rock ..	410,450	511,504	397,190	653,933	442,122	518,306
Phosphatic guano ..	8,330	267	—	13,236	—	9,897
Superphosphates ..	—	1	1	477	151	3,382
Basic slag ..	42,101	65,319	69,190	47,101	36,998	87,539
Other phosphates ..	37,719	69,115	55,938	21,762	15,169	11,934
Irish Republic—						
Phosphate-rock ..	127,865	140,791	136,394	101,604	119,307	121,281
Superphosphates ..	37,849	48,092	93,078	31,453	11,796	29,979
Basic slag ..	27,038	27,306	33,279	28,297	35,718	32,096
FOREIGN COUNTRIES						
Austria—						
Phosphate-rock ..	493	60	315	79	438	24,218
Superphosphates ..	74,181	67,873	79,939	91,597	70,912	113,558
Basic slag ..	125,178	92,699	142,749	112,886	98,927	153,840
Belgium-Luxemburg						
E.U.—						
Phosphate-rock ..	347,861	391,601	450,827	349,089	325,270	426,733
Superphosphates ..	1	2	5	—	12	46
Di-calcium phosphates ..	35	139	220	165	69	146
Basic slag ..	—	5,398	1,287	9,260	10,040	213
Denmark—						
Phosphate-rock ..	275,344	233,917	244,376	243,333	241,555	271,494
Superphosphates ..	1,952	62,536	49,432	66,831	96,662	67,234
Finland (total imports)—						
Phosphate-rock ..	219,809	194,099	302,360	253,218	141,870	187,880
Superphosphates ..	16,871	7,081	42,527	19,684	1,322	38,082
Basic slag ..	—	3	—	—	—	—
Di-calcium phosphates ..	4,105	7,209	6,965	5,147	5,855	9,337
France—						
Phosphate-rock ..	940,907	1,096,400	1,321,058	906,716	1,033,856	1,342,223
Superphosphates ..	1,397	1,905	196	146	5,110	18,256
Basic slag ..	—	—	59	—	15	1,185
Di-calcium phosphates ..	—	8,555	7,979	8,012	6,073	10,847
Germany (Federal)—						
Phosphate-rock, etc. ..	461,189	586,147	642,381	783,297	580,401	857,772
Superphosphates ..	318,583	62,349	—	391	748	1,225
Basic slag ..	145,624	144,217	248,235	316,183	193,808	325,391
Greece—						
Phosphate-rock ..	60,000	42,000	75,000	(a)	(a)	(a)

(a) Information not available.

(b) Years ended March 31 following that stated.

IMPORTS OF PHOSPHATES, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Hungary—						
Phosphate-rock ..	27,000	61,000	47,000	(a)	(a)	(a)
Iceland—						
Superphosphates ..	2,165	2,388	2,925	1,821	3,448	(a)
Italy—						
Phosphate-rock ..	761,511	862,295	1,104,346	953,444	1,164,201	1,251,503
Superphosphates ..	492	677	—	—	—	1
Basic slag ..	29,151	29,500	46,509	23,942	60,983	65,007
Netherlands—						
Phosphate-rock ..	558,975	542,673	589,560	425,661	438,618	553,353
Superphosphates ..	12,645	51,262	249	338	1,000	525
Basic slag ..	156,728	309,203	297,658	353,670	354,418	382,976
Di-calcium phosphates	19,828	13,116	14,799	6,948	15,364	7,668
Norway—						
Phosphate-rock ..	22,460	67,907	66,705	69,011	70,348	86,973
Superphosphates ..	122,246	90,292	65,610	39,875	45,786	15,476
Basic slag ..	4,782	3,899	7,745	6,409	6,239	7,343
Poland—						
Phosphate-rock ..	227,000	192,000	284,000	(a)	(a)	(a)
Portugal—						
Phosphate-rock ..	173,984	178,700	198,917	241,351	243,582	235,900
Basic slag ..	—	1,026	4,671	5,788	8,266	10,296
Spain—						
Phosphate-rock ..	414,953	410,596	570,166	707,237	658,966	(a)
Superphosphates, etc.	10	—	—	—	—	(a)
Basic slag ..	—	—	—	—	9,627	(a)
Sweden—						
Phosphate-rock ..	253,732	335,675	424,155	308,011	303,995	354,281
Superphosphates ..	10,202	68,859	33,353	8,423	—	—
Basic slag ..	—	932	7,483	1	2	—
Switzerland—						
Phosphate-rock (b) ..	9,535	22,344	60,749	17,626	23,873	24,595
Superphosphates, etc.	7,190	11,470	11,768	14,111	12,694	15,949
Basic slag ..	114,707	122,385	111,563	110,045	141,259	154,908
Yugoslavia—						
Phosphate-rock ..	(a)	13,562	35,720	16,092	65,148	39,276
Superphosphates ..	(a)	(a)	(a)	(a)	(a)	1,411
Basic slag ..	(a)	(a)	(a)	(a)	(a)	23,033
Algeria—						
Superphosphates ..	49	394	1,202	391	2,515	4,971
Basic slag ..	3,711	1,850	3,189	3,689	2,454	3,283
Egypt—						
Superphosphates ..	51,000	42,767	33,049	66,577	1,008	(a)
Tunis—						
Superphosphates ..	—	500	—	(a)	9,198	4,155
Cuba—						
Superphosphates ..	10,989	30,644	74,437	32,600	11,000	(a)
Calcium phosphates ..	19,741	16,927	12,761	(a)	(a)	(a)
Mexico—						
Superphosphates ..	144	191	1,237	1,060	5,013	15,965
United States—						
Phosphate-rock ..	64,891	87,173	89,823	110,371	101,171	122,016
Superphosphates ..	1,273	4,508	2,615	8,258	5,240	4,569
Basic slag ..	93	179	96	—	79	34
Ammonium phosphates	112,745	95,215	120,575	119,032	148,658	146,547
Brazil—						
Phosphate-rock ..	16,815	27,225	102,190	55,429	115,426	120,649
Superphosphates ..	50,660	127,401	119,804	71,616	69,840	90,415
Chile—						
Superphosphates ..	1,432	10	44	30	(a)	(a)

(a) Information not available.

(b) Estimated on imports from producing countries.

IMPORTS OF PHOSPHATES, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Colombia—						
Phosphate-rock ..	(a)	(a)	696	1,735	1,343	1,003
Superphosphates ..	4,710	1,490	1,422	2,823	63	2,218
Di-calcium phosphates	(a)	(a)	7,834	2,824	9,405	(a)
Peru—						
Phosphate-rock ..	—	—	—	—	—	687
Phosphatic fertilizers ..	2	—	69	258	449	3,238
French Indo-China—						
Phosphate-rock ..	12,185	9,762	(a)	(a)	(a)	(a)
Israel—						
Phosphate-rock ..	4,924	4,985	7,100	—	—	—
Japan—						
Phosphate-rock ..	466,000	967,822	1,037,350	962,330	1,042,770	1,361,810
Korea (b)—						
Superphosphates ..	(a)	(a)	(a)	96,071	52,675	(a)
Philippine Republic—						
Superphosphates ..	156	2,983	3,293	2,988	7,591	6,436
Turkey—						
Phosphate-rock ..	5,905	4,528	18,873	15,312	10,684	17,430

(a) Information not available.

(b) Years ended July 31 of that stated.

PLATINUM
PRODUCTION OF PLATINUM METALS
(Troy ounces)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Sierra Leone—						
Crude platinum ..	38	—	—	—	—	—
Union of South Africa—						
Crude (<i>Pt metals content</i>)	30,470	55,246	58,323	72,701	90,292	101,921
Matte (<i>Pt metals content</i>) ..	56,904	88,971	132,575	159,820	208,885	236,241
Osmiridium (crude) (b)	7,113	6,914	6,359	6,141	6,966	6,266
Canada—						
Recovered from Ontario nickel-copper ores (c)—						
Platinum ..	153,784	124,571	153,483	122,317	137,545	154,356
Other platinum metals	182,233	148,741	164,905	157,407	166,018	189,350
Australia—						
New South Wales—						
Concentrates (<i>Pt content</i>) ..	—	16	8	—	—	23
Tasmania—						
Osmiridium ..	39	46	33	51	59	16
New Zealand—						
Crude platinum ..	—	—	8	4	2	1
New Guinea—						
Platinum ..	(a)	(a)	6	7	6	19
FOREIGN COUNTRIES						
U.S.S.R.—						
Crude platinum (d) ..	100,000	100,000	100,000	100,000	100,000	100,000
Belgian Congo—						
Palladium ..	106	—	—	—	—	—
Ethiopia—						
Crude platinum ..	280	641	266	100	566	(a)

(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):

	1949	1950	1951	1952	1953	1954
Osmium	2,213	1,710	1,774	1,639	1,823	1,978
Iridium	1,964	1,594	1,692	1,542	1,700	1,787
Ruthenium	993	792	864	774	837	896
Platinum	891	724	802	679	726	733
Rhodium	56	52	57	48	56	57

(c) Metal content of concentrates produced from nickel-copper ores.

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

(e) Estimated.

PRODUCTION OF PLATINUM METALS (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
United States (b)—						
Crude platinum	17,169	22,346	27,799	28,220	20,868	24,235
New platinum metals recovered by refineries from gold and copper ores of domestic origin—						
Platinum	1,844	3,722	5,017	1,969	1,199	1,375
Palladium	5,794	11,533	3,999	4,196	3,989	3,908
Iridium, osmiridium, etc. . .	—	254	136	24	16	—
Colombia (e)—						
Crude platinum	(d) 20,797	26,445	(c) 32,000	(c) 33,700	28,977	24,753
Japan—						
Platinum	68	151	245	484	987	(a)
Palladium	32	59	23	85	71	(a)
WORLD'S TOTAL (c)	576,000	601,000	685,000	687,000	766,000	844,000

(a) Information not available.

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

	1949	1950	1951	1952	1953	1954
Platinum	41,734	33,894	22,470	28,628	29,547	31,330
Palladium	37,209	21,167	27,999	25,540	30,494	31,190
Iridium	1,101	1,064	1,014	1,030	853	734
Other platinum metals	3,403	1,988	1,875	3,403	3,963	2,445

(c) Estimated.

(d) Exports.

(e) Main producers only. Total production may be very much greater and exported as contraband.

EXPORTS OF PLATINUM*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Platinum—						
Ingots, grain and powder	102,417	158,257	129,871	135,064	61,465	25,221
Other kinds, including alloys	23,245	31,725	26,156	49,968	186,217	182,562
Other platinum metals and alloys	221,644	265,774	202,012	184,687	203,973	183,449
Union of South Africa—						
Osmiridium	6,351	6,368	5,960	5,210	6,219	5,044
Crude platinum metals	85,820	105,251	135,784	172,766	261,710	270,885
Canada—						
Concentrates etc. (b) ..	(£4,791,495)	(£6,973,943)	£10,284,817	£11,182,825	(£9,486,988)	£10,120,789
Scrap	634	192	185	1,027	115	101
Hong Kong (including re-exports)—						
Platinum and platinum group metals	(£14,244)	(£20,318)	(£114,543)	(£28,511)	(£5,125)	(£161,320)
Australia—						
Platinum and platinum group metals	492	31	582	629	516	519
New Zealand—						
Platinum, etc. (jewellers' sweepings)	73	175	66	31	—	—
Palladium	32	33	40	21	—	—
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	1,993	1,800	2,251	(a)	4,951	4,790
Denmark—						
Rods, sheets, wire, scrap, etc.	3,762	482	3,472	707	1,093	482
France—						
Unwrought platinum, alloys and scrap	129	675	129	—	—	—
Palladium, alloys and scrap	547	96	1,865	—	5,048	21,123
Drawn or rolled platinum	—	—	836	1,029	4,630	16,397
Germany (Federal)—						
Platinum metals and alloys	900	4,088	2,986	3,153	5,858	12,884
Italy—						
Sheets, bars, dust, scrap, etc.	—	27	—	129	547	64
Netherlands—						
Unwrought platinum	7,363	2,792	17,458	13,150	126,063	75,908
Sweden—						
Unwrought platinum	546	1,479	1,447	1,543	1,768	2,958
Switzerland—						
Unwrought platinum	161	2,636	739	1,222	1,382	3,665

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

(a) Information not available.

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

EXPORTS OF PLATINUM (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
U.S.S.R.	(b)	(b)	(b)	(b)	(b)	(b)
Ethiopia (c)	355	1,943	60	1,303	(a)	(a)
United States—						
Ores, etc. (<i>Pt. content</i>)..	165	82	732	(a)	30	29
Ingots, sheets, wire, etc.	18,150	12,753	8,760	8,599	2,522	13,470
Palladium, rhodium, etc. and alloys	22,628	24,946	52,088	17,697	23,206	11,443
Colombia—						
Platinum	20,797	24,452	17,168	(d) 20,191	29,868	29,225

(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 as follows (troy ounces):

	1949	1950	1951	1952	1953	1954
United Kingdom ..	—	—	—	—	94,917	18,279
United States ..	—	45,896	16,075	—	31,256	2,942

(c) Years ended September 10 of that stated.

(d) Revised.

IMPORTS OF PLATINUM*
(Less Re-exports)
(Troy ounces)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b)—						
Ingots, grain and powder	695	2,360	6,963	2,006	92,407	23,507
Other kinds, including alloys	275	24	62	33	78	(c) 466
Other platinum metals and alloys (e)	68	13,056	332	168	9,587	19,287
Union of South Africa—						
Platinum	977	487	575	(a)	(a)	(a)
Canada—						
Platinum palladium and iridium	(£2,849,025)	(£7,019,709)	(£5,789,129)	(£6,363,745)	(£5,962,957)	(£6,509,440)
Hong Kong (total imports)—						
Platinum and platinum group metals	(£18,939)	(£10,023)	(£8,968)	(£19,362)	(£134,639)	(£137,088)
Malaya (total imports)—						
Unwrought platinum	(a)	(a)	(a)	(a)	61	102
Australia—						
Platinum bars, rods, etc.	202	355	515	439	} 2,934	4,716
Other platinum metals	377	520	(a)	179		
Platinum metal powder (d)	(a)	25,699	726	1,293	1,204	1,908
New Zealand—						
Bars, sheets, wire, etc.	851	1,192	876	787	806	1,136
Palladium	91	63	315	130	246	95
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	900	2,025	5,176	7,780	2,283	2,411
Denmark—						
Rods, sheets, wire and scrap	707	1,125	1,190	514	868	1,478
Finland (total imports)—						
Unwrought platinum	—	3	6	—	257	482
France—						
Unwrought platinum, alloys and scrap	10,095	8,970	13,214	9,935	6,816	23,149
Unwrought palladium, alloys and scrap	1,641	2,894	10,931	5,691	15,497	48,419
Drawn or rolled platinum	—	—	514	419	96	225
Germany (Federal)—						
Platinum metals and alloys	37,423	76,742	57,539	45,037	54,336	76,783
Italy—						
Bars, dust and scrap	97	2,739	4,565	3,408	2,797	3,762
Sheets, foil and wire	39	163	707	1,157	193	225

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

(a) Information not available.

(b) Imports of ores and concentrates containing platinum are not separately recorded. The value of platinum and platinum metals contained in concentrates and other forms exported from Canada to the United Kingdom were as follows: 1949—£3,182,112; 1950—£3,803,800; 1951—£5,193,010; 1952—£6,370,394; 1953—£5,331,324; 1954—£5,924,237.

In addition crude platinum metals and osmiridium exported from the Union of South Africa to the United Kingdom (for further refining in the case of the former), were as follows (troy ounces):

	1949	1950	1951	1952	1953	1954
Crude platinum metals ..	85,820	105,251	135,784	172,766	261,710	270,885
Osmiridium	6,351	6,368	5,960	5,210	6,219	5,044

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Except platinum alloys.

IMPORTS OF PLATINUM (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Unwrought platinum ..	4,951	6,912	4,501	17,072	39,867	71,793
Norway—						
Unwrought platinum ..	644	855	1,689	1,255	813	1,853
Sheets, rolled and wire	1,166	903	44	569	177	665
Portugal—						
Sheets, wire, etc. ..	107	206	260	266	406	52
Palladium	675	96	—	—	—	—
Spain—						
Bars, sheets, wire, etc.	449	379	—	35	—	(a)
Sweden—						
Unwrought platinum ..	144	482	611	96	96	1,061
Switzerland—						
Unwrought platinum ..	1,254	2,218	2,251	11,864	9,195	13,728
Yugoslavia—						
Unwrought platinum ..	(a)	129	32	(a)	482	707
Egypt—						
Ingots, bars, sheets, etc.	311	(c) 1,398	7	346	312	281
Cuba—						
Ingots and bars ..	457	2,059	1,130	(a)	(a)	(a)
Palladium	1,032	64	125	(a)	(a)	(a)
Mexico—						
Ingots and bars ..	618	466	167	515	782	769
United States—						
Ore (b)	505	628	197	1,261	1,512	2,714
Grains and nuggets (b)	27,728	35,793	34,425	27,355	45,950	43,355
Sponge and scrap (b)	69,768	106,663	135,177	118,568	108,944	148,503
Ingots, bars, sheets (b)	28,180	105,910	158,876	88,289	232,483	195,187
Iridium	4,221	6,457	3,144	4,718	1,643	432
Osmium and osmiridium	2,857	4,759	3,603	3,386	2,397	3,187
Palladium	73,770	142,673	239,151	200,502	227,080	188,839
Rhodium and ruthenium	11,255	19,506	26,724	8,739	15,515	19,365
Brazil (total imports)—						
Ingots, sheets and wire	23	(a)	15	8,445	1,439	13,285
Colombia—						
Unwrought platinum	(a)	(a)	96	257	257	289
Uruguay—						
Platinum metals ..	1,767	820	489	184	312	(a)
Venezuela—						
Unwrought platinum ..	482	389	(a)	5,466	(a)	(a)
Israel—						
Platinum	754	1,267	(a)	(a)	(a)	(a)
Palladium	2,635	22,323	(a)	(a)	(a)	(a)
Turkey—						
Sheets	—	—	193	161	64	—

(a) Information not available.

 (b) *Platinum content.*

(c) Excess of re-exports.

POTASH MINERALS
PRODUCTION OF POTASH
(Long tons)

Producing Country and Description	K ₂ O Content or Equivalent												
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954	
BRITISH COUNTRIES													
India—													
Nitrate	6,554	5,501	5,212	8,384	(c) 2,777	(d) 3,000	3,000	2,700	2,600	4,200	1,400	1,500	
Australia—													
Alunite	32,694	397	449	314	—	—	1,480	29	34	24	—	—	
TOTAL (estimated) ..							5,500	2,729	2,634	4,224	1,400	1,500	
FOREIGN COUNTRIES													
France (b)—													
Sylvinite, 12-22% K ₂ O							80,157	88,199	54,553	70,748	55,400		
Fertilizer salts							339,847	340,576	303,583	343,869	292,200	1,058,000	
30-40% K ₂ O ..	5,202,169	5,766,802	5,718,240	6,160,594	5,967,400	6,988,000	365,894	459,240	499,660	498,366	542,200		
Chloride													
50% K ₂ O and over													
Germany—													
Federal Republic—							877,000	1,077,000	1,303,000	1,529,000	1,554,000	1,905,000	
Kainite, sylvinite, etc.	7,175,400	8,786,200	10,676,168	12,386,500	12,388,000	15,330,000	930,000	1,460,000	1,614,000	1,775,000	1,880,000	2,000,000	
Eastern—													
Potash salts	(a)	(a)	(a)	(a)	(a)	(a)							

(a) Information not available.
(b) Crude salts as mined.
(c) Incomplete.
(d) Estimated.

PRODUCTION OF POTASH (cont.)

Producing Country and Description	K ₂ O Content or equivalent											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)												
Spain—												
Carnallite, sylvinitic, etc.	903,655	997,329	1,042,259	1,196,437	1,228,468	1,390,707						
Alumite	813	589	887	894	553	(a)	146,414	174,890	193,054	208,180	211,296	240,592
Etrite							(a)	(a)	(a)	(a)	(a)	(a)
Chloride	420	546	(a)	(a)	(a)	(a)	200	260	(a)	(a)	(a)	(a)
United States—												
Muriate (chloride)—												
60-62% K ₂ O (c)	1,351,007	1,648,624	1,828,387	2,203,961	2,612,855	2,708,210						
48-50% K ₂ O ..	153,996	135,310	139,104	134,785	73,037	2,708,210						
Fertilizer salts ..	158,317	19,225	17,656	7,508	4,132							
Sulphate, etc. (b)	172,938	199,204	224,558	213,087	226,430	258,223	998,567	1,149,754	1,268,146	1,486,708	1,707,046	1,739,929
Chile—												
Chloride	4,941	(a)	(a)	(a)	(a)	(a)	1,400	1,419	(a)	(a)	(a)	(a)
Israel—												
Chloride	—	—	—	—	5,165	(a)	—	—	—	—	3,100	(a)
Japan—												
Alumite	3,488	3,342	3,827	2,573	4,202	5,775	210	200	(a)	(a)	(a)	(a)
TOTAL (d)							4,000,000	5,000,000	5,500,000	6,200,000	6,600,000	7,000,000
WORLD'S TOTAL (d) ..							4,010,000	5,000,000	5,500,000	6,200,000	6,600,000	7,000,000

NOTE.—Potash is produced in Poland, the U.S.S.R. 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	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Chromate and bichromate	697	653	200	454	361	490
Nitrate	1,195	1,868	2,364	1,314	1,309	1,198
Sulphate	34	50	68	72	75	48
Other compounds	1,515	2,014	2,251	1,478	1,973	1,888
Hong Kong (re-exports)—						
Nitrate	(a)	(a)	(a)	—	134	84
Chlorate	2,500	2,709	2,065	—	236	266
India—						
Nitrate	15	64	227	59	40	110
Malaya (including re-exports)—						
Fertilizer salts	246	19	157	575	10	7
Nitrate	1	5	14	12	7	9
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	97,984	125,205	42,768	31,320	80,843	6,969
Carbonate	2,782	2,790	1,657	1,534	1,786	912
Caustic potash	2,566	3,641	3,748	2,149	2,162	3,423
Chloride	280,323	401,263	380,217	302,756	488,680	474,347
Chlorates	30	6	238	297	—	—
Chromates, including those of sodium	124	387	712	132	97	1
Nitrate	1,729	1,111	1,328	379	91	119
Sulphate	92,684	80,317	123,994	125,211	162,155	169,165
Finland—						
Chlorate	488	983	1,475	531	226	417
France—						
Sylvinite, etc.	522,703	535,507	366,387	424,907	443,063	351,602
Fertilizer salts	333,599	501,244	486,276	445,468	577,628	674,029
Carbonate	4,534	6,065	7,676	4,661	5,347	6,593
Caustic potash	4,061	5,541	10,170	6,368	6,060	8,134
Chlorate	2,282	2,032	3,219	1,561	912	834
Nitrate	4,157	4,551	3,705	1,328	669	980
Germany (Federal)—						
Fertilizer salts	113,834	343,806	331,546	817,055	1,256,178	1,360,789
Carbonate and wool grease ash	645	5,619	4,124	2,210	1,957	3,265
Caustic potash	579	4,398	3,165	2,712	2,131	3,911
Chlorate	55	491	(c) 207	(a)	209	150
Manganates	65	236	(c) 48	(a)	(a)	(a)
Nitrate	88	946	1,784	2,662	5,399	5,372
Chloride	36,965	263,031	389,762	(b)	(b)	(b)
Sulphates	46,410	98,482	175,732	(b)	(b)	(b)
Germany (East)—						
Fertilizer salts (K ₂ O content)	1,017,700	1,135,600	1,210,000	1,207,100	1,300,000	(a)

(a) Information not available.

(b) Included with fertilizer salts.

(c) January to September only.

EXPORTS OF POTASH SALTS (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Netherlands—						
Caustic potash	61	165	723	765	265	20
Chloride	994	1,206	920	871	470	442
Nitrate	5	17	25	14	14	12
Sulphate	589	547	539	317	300	66
Spain—						
Fertilizer salts	235,929	184,160	246,093	213,006	247,073	225,100
Chlorate	22	23	116	65	—	(a)
Sweden—						
Carbonate	—	30	34	—	4	8
Caustic potash	1,837	1,210	2,316	1,451	1,375	1,907
Switzerland—						
Nitrate (crude).. ..	1,256	15,449	8,686	10,658	6,801	—
United States—						
Chloride	82,235	82,024	84,245	73,310	63,467	82,802
Other fertilizer salts	17,011	14,380	13,200	11,224	11,008	16,469
Chromates	1,270	372	1,611	706	172	565
Caustic potash	2,380	1,801	3,578	1,767	2,089	2,150
Other compounds	10,277	6,010	8,305	3,350	2,021	2,822
Chile—						
Nitrate	52,655	73,631	52,393	47,832	41,100	63,186
Israel—						
Chloride	—	—	—	—	1,750	(a)

(a) Information not available.

IMPORTS OF POTASH SALTS
(Less Re-exports)
(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Fertilizer salts	664	691	9,321	25,514	30,760	37,784
Carbonate	476	3,946	6,660	2,348	3,767	4,428
Caustic potash and lyes	229	1,356	2,553	1,781	1,793	2,421
Chlorate	859	815	794	727	741	621
Chloride	394,192	396,847	445,047	338,924	504,880	473,641
Nitrate	(c) 37	244	489	343	710	927
Sulphate	20,901	13,850	13,681	11,348	9,881	7,008
Other compounds	1,201	489	1,123	467	435	817
Gold Coast—						
Fertilizer salts	(a)	(a)	(a)	(a)	(a)	71
Kenya—						
Fertilizer salts	123	178	109	456	—	229
Mauritius—						
Fertilizer salts	991	988	1,482	5,181	3,898	5,484
Nigeria—						
Fertilizer salts	(a)	(a)	(a)	(a)	(a)	970
Northern Rhodesia—						
Compounds	11	44	68	33	92	(d)
Southern Rhodesia—						
Compounds	109	56	95	56	25	(e) 172
Tanganyika—						
Fertilizer salts	60	50	146	376	350	183
Uganda—						
Fertilizer salts	1	12	46	10	13	67
Union of South Africa—						
Fertilizer salts	129	—	(c) 4	(a)	(a)	(a)
Nitrate	65	118	92	—	—	(a)
Caustic potash	244	219	410	219	150	(a)
Chloride	136	6,921	10,042	(a)	(a)	(a)
Other compounds	1,005	594	995	15	495	(a)
Canada—						
Fertilizer salts	6,181	2,043	1,545	1,515	1,227	17
Caustic potash	1,578	2,141	2,168	1,696	1,940	2,431
Chlorate	26	32	71	31	44	53
Crude chloride	90,136	87,954	92,650	104,925	107,833	102,936
Nitrate	439	448	634	350	539	442
Crude sulphate	5,635	7,195	10,012	7,225	11,427	11,415
Other compounds	1,046	1,124	1,436	1,473	1,421	1,473
British West Indies—						
Barbados—						
Fertilizer salts	3,687	6,289	4,396	3,714	2,040	5,539
Jamaica—						
Fertilizer salts	2,083	1,627	3,534	2,363	1,934	2,349
St. Vincent—						
Chloride	10	21	124	135	153	78
Trinidad and Tobago—						
Chloride and sulphate	1,241	630	1,467	1,019	1,307	2,012
Ceylon—						
Kainite and sylvinite ..	—	24	518	100	549	640
Chloride	12,966	18,535	24,081	12,117	22,021	29,412
Nitrate of potash refuse	—	3	—	—	1	—
Sulphate	124	149	50	223	440	325
Hong Kong (total imports)—						
Nitrate	(a)	(a)	(a)	(a)	251	362
Chlorate	3,541	3,283	2,681	(a)	68	178
India—						
Bichromate	—	—	2	—	—	1
Chlorate	523	574	860	1,301	1,081	925
Chloride	4,561	4,713	13,654	4,162	7,308	27,807
Other compounds	4,148	1,133	2,825	2,336	1,266	10,411

(a) Information not available.

(b) Total imports.

(c) Excess of re-exports.

(d) See under Southern Rhodesia.

(e) Federation of Rhodesia and Nyasaland.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Malaya (total imports)—						
Fertilizer salts	4,824	2,078	4,808	3,365	1,745	5,416
Nitrate	41	10	84	22	14	15
Pakistan (c)—						
Bichomate			23	7	27	46
Chlorate	(a)	(a)	213	252	313	678
Chloride			70	92	—	—
Other compounds			224	122	54	94
Australia—						
Bichromate (b)	81	53	26	9	2	8
Carbonate	454	569	894	709	273	556
Caustic potash	222	230	605	840	318	696
Chlorate	17	6	23	18	17	42
Chloride	13,423	12,992	9,716	16,058	17,704	13,416
Nitrate	218	269	805	180	180	351
Sulphate	196	734	865	893	2,685	4,038
New Zealand—						
Caustic potash and pearl ash	50	33	81	106	18	71
Chlorate	214	45	47	51	49	46
Chloride	5,272	10,599	13,217	21,888	26,468	33,295
Nitrate	4	91	64	50	79	39
Sulphate	2,476	1,869	1,408	2,072	2,258	2,652
Other fertilizer salts	—	130	190	226	75	278
Compounds other than fertilizer	147	46	44	53	91	105
Irish Republic—						
Fertilizer salts (20–40% K ₂ O)	6,039	3,002	—	—	—	604
Chloride	9,108	22,512	29,892	35,103	59,724	73,143
Chlorate	81	101	80	81	289	376
Nitrate	141	215	95	90		
Sulphate	535	845	538	241		
Other compounds	48	77	126	128		
FOREIGN COUNTRIES						
Austria—						
Fertilizer salts	66,639	43,037	88,257	79,443	86,627	126,503
Caustic potash	109	79	458	107	157	255
Carbonate	207	173	959	707	365	548
Chromates	99	169	66	138	105	127
Nitrate	119	205	206	160	221	341
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	447,645	408,726	161,523	253,341	303,719	182,974
Carbonate	1,179	3	1,025	1,616	1,051	742
Caustic potash	946	3,188	1,142	1,038	588	209
Chlorates	631	820	4,718	297	293	672
Chloride	414,390	574,626	773,902	718,023	788,533	849,363
Chromates, including those of sodium	610	784	813	649	1,229	1,329
Nitrate	27	113	124	2	1,176	1,102
Sulphate	6,340	3,396	7,249	7,449	9,110	24,348

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Fertilizer salts	190,275	223,091	228,889	356,575	329,337	283,246
Carbonate	554	931	602	376	448	501
Caustic potash	1,197	1,557	825	907	1,091	1,079
Chlorate	183	170	154	125	106	132
Chloride	218	43	523	199	224	136
Chromates	36	30	54	31	48	25
Nitrate	587	739	939	567	692	972
Sulphate	11	10	10	189	115	9
Finland (total imports)—						
Fertilizer salts	91,991	55,000	72,166	98,854	89,873	87,191
Carbonate	303	178	218	165	101	245
Caustic potash	79	34	134	60	143	203
Chloride	1,446	2,108	1,973	893	1,189	1,851
Nitrate	55	30	100	100	67	99
Sulphate	(a)	(a)	2,461	1,478	3,938	4,555
France—						
Fertilizer salts	3,935	2,724	10,969	97,140	2,357	1,692
Caustic potash	14	5	12	15	21	18
Germany (Federal)—						
Fertilizer salts	11,508	—	—	20	308	291
Carbonate and wool						
grease ash	358	4	26	—	118	57
Caustic potash	2	197	199	117	267	286
Chlorate	421	596	(b) 1,022	(a)	(a)	(a)
Manganates	157	30	(b) 406	(a)	(a)	(a)
Nitrate	34	—	10	—	49	157
Greece—						
Carbonate	393	2,162	481	354	637	851
Caustic potash	63	22	11	61	23	26
Nitrate	31	126	123	96	43	179
Iceland—						
Fertilizer salts	886	1,561	1,783	1,582	2,319	(a)
Carbonate	(a)	(a)	(a)	13	206	(a)
Caustic potash	38	10	54	17	38	(a)
Italy—						
Fertilizer salts	44,751	48,562	67,695	67,739	85,056	95,456
Carbonate	1,294	1,986	2,986	1,907	2,151	2,674
Caustic potash	2,813	2,861	4,082	3,283	3,045	4,021
Netherlands—						
Kainite	18,393	47,147	48,657	75,324	94,717	76,187
Fertiliser salts						
do. (20% K ₂ O)	61,143	44,896	36,458	40,220	35,826	44,626
do. (40% K ₂ O)	274,008	298,199	282,331	322,364	298,096	284,596
do. (50% K ₂ O)	166	—	—	—	98	—
Caustic potash	1,619	3,958	4,992	3,283	3,140	4,811
Chloride	16,551	3,263	5,484	10,096	17,580	29,512
Nitrate	169	1,891	1,647	1,537	1,075	1,461
Sulphate	24,806	48,370	10,420	15,803	13,563	16,581
Patent potash	—	—	41,724	44,899	61,488	66,981
Norway—						
Fertilizer salts	113,532	78,255	109,794	124,857	94,324	91,171
Carbonate	486	377	417	330	418	340
Caustic potash and lyes	2,188	1,077	1,554	1,489	1,362	1,524
Chloride	16,551	10,700	7,480	13,258	7,238	17,959
Nitrate	169	106	203	80	129	199
Portugal—						
Carbonate	15	42	86	58	73	90
Caustic potash	19	15	97	33	47	95
Chlorate	138	290	305	69	155	191
Chloride	10,139	7,910	9,803	7,800	5,311	12,727
Nitrate	173	—	1	153	280	353
Sulphate	(a)	(a)	1,821	1,968	—	246

(a) Information not available.

(b) January to September only.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Fertilizer salts						
do. (40% K ₂ O)	120,443	142,827	159,455	152,942	176,658	109,430
do. (other) ..	10	43	34	689	562	58,738
Carbonate	761	934	1,366	1,298	1,115	1,568
Caustic potash ..	59	91	143	187	202	364
Chloride	7,516	9,609	14,933	12,032	5,294	10,560
Nitrate	610	542	675	382	636	700
Sulphate	(a)	2,808	3,085	3,127	5,663	3,892
Manganates	(a)	159	159	124	44	25
Switzerland—						
Fertilizer salts						
Carbonate	43,519	58,434	64,886	63,050	62,264	69,081
Caustic potash ..	676	948	1,231	642	581	1,268
Chloride	1,105	2,320	2,389	1,890	2,079	2,324
Nitrate, crude ..	1,264	2,183	3,181	2,617	2,138	4,350
Nitrate, purified, including sodium nitrate ..	—	—	—	98	99	1
Yugoslavia—	319	932	547	513	661	475
Fertilizer salts						
Carbonate	(a)	4,921	10,739	4,607	22,219	33,038
Caustic potash ..	(a)	26	122	251	(a)	(a)
Chlorate and chloride ..	(a)	54	192	186	57	99
Nitrate	(a)	159	192	246	(a)	(a)
Sulphate	(a)	98	222	219	1	1,080
Algeria—	(a)	69	66	133	50	87
Fertilizer salts						
Carbonate	21,306	24,214	24,282	18,281	15,159	20,729
Caustic potash ..	7	6	29	3	2	11
Nitrate	35	39	27	24	40	28
Egypt—	16	38	22	20	13	21
Fertilizer salts						
Carbonate	45	445	752	2,559	464	640
Caustic potash ..	163	88	269	267	31	102
Chlorate	4	26	15	15	45	33
Chromates, including those of sodium ..	124	151	175	172	172	143
Manganates	293	(a)	(a)	416	365	323
Mozambique—	20	49	60	31	14	45
Carbonate						
Tunis—	30	6	1	2	(a)	(a)
Fertilizer salts						
Carbonate	1,157	(a)	655	(a)	1,061	1,526
Caustic potash ..	10	(a)	13	(a)	3	—
Chlorate	6	(a)	8	(a)	9	7
Cuba—	15	(a)	34	(a)	—	—
Nitrate						
Chlorate	13,143	16,842	22,066	(a)	(a)	(a)
Chloride	169	277	390	(a)	(a)	(a)
Sulphate	8,037	14,160	7,956	(a)	(a)	(a)
Mexico—	8,323	1,997	3,169	(a)	(a)	(a)
Nitrate (incl. soda)						
Caustic potash ..	5,628	7,962	12,334	11,007	9,352	15,119
United States—	189	478	213	123	180	161
Fertilizer salts						
Carbonate	912	1,287	3,370	1,960	3,014	6,081
Caustic potash ..	2	4,710	1,987	152	1,379	16
Chlorates	32	726	1,469	66	160	171
Chloride	140	306	330	662	90	108
Cyanide	26,005	268,227	439,850	251,052	155,396	131,557
Nitrate	—	636	835	812	1,254	748
Potassium-sodium nitrate mixtures ..	6	175	5,866	11,373	15,131	776
Sulphate	6,074	18,240	7,365	14,696	11,175	7,874
	563	38,388	46,746	35,948	33,922	46,279

(a) Information not available.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Bichromate	147	87	(a)	351	46	1,029
Carbonate	543	80	(a)	120	28	63
Caustic potash	889	189	(a)	417	185	727
Chlorate	316	234	(a)	586	111	657
Nitrate	474	114	(a)	142	370	504
Sulphate	—	—	(a)	50	2	—
Brazil (total imports)—						
Caustic potash	84	(a)	755	104	83	64
Nitrate	881	(a)	1,988	1,376	177	2,055
Chloride	16,448	(a)	43,287	21,885	48,292	42,016
Sulphate	1,002	(a)	2,689	2,010	3,573	4,451
Carbonate	316	(a)	9	266	169	15
Chlorate	857	(a)	2,125	860	877	766
Chile—						
Caustic potash	46	65	54	64	(a)	(a)
Chlorate	123	98	225	72	(a)	(a)
Chloride	—	2	—	680	(a)	(a)
Sulphate	3,904	9	245	394	(a)	(a)
Colombia—						
Chlorate	148	252	121	136	248	211
Chloride	(a)	(a)	4,776	3,458	2,545	14,849
Nitrate	158	289	137	106	263	273
Sulphate	(a)	(a)	1,927	(a)	1,376	(a)
Other fertilizer salts	(a)	(a)	346	34	728	(a)
Peru—						
Fertilizer salts	45	363	225	228	223	348
Caustic potash	12	22	40	16	9	29
Other salts	24	48	110	74	101	158
Uruguay—						
Nitrate	101	41	9	984	571	(a)
Caustic potash	11	52	371	102	372	(a)
Venezuela—						
Carbonate	8	4	(a)	18	37	(a)
Caustic potash	49	(a)	(a)	24	60	(a)
Chlorate	33	45	517	74	152	(a)
Nitrate	224	82	88	59	213	(a)
Japan—						
Fertilizer salts	210,510	(a)	9,882	—	—	—
Kainite, etc.		(a)	470	—	—	—
Chloride		220,030	218,371	72,607	309,808	454,252
Sulphate		36,734	118,917	103,217	201,127	188,874
Philippine Republic—						
Caustic potash	—	13	4	27	15	11
Chlorate	193	259	339	393	206	430
Nitrate	20	5	435	16	37	78
Sulphate	6	9	160	—	1	150
Turkey—						
Carbonate	1,150	826	871	858	709	388
Caustic potash	72	89	106	125	217	190
Chlorates	25	7	129	133	150	12
Chromates	89	89	59	90	110	95
Nitrate	356	287	16	1	253	—
Other salts	25	65	161	144	(a)	88

(a) Information not available.

PYRITES
PRODUCTION OF PYRITES*
(including Cupreous Pyrites)
(Long tons)

Producing Country	Estimated Sulphur Content						
	1949	1950	1951	1952	1953	1954	1954
BRITISH COUNTRIES							
Great Britain	16,919	13,288	15,586	9,691	10,244	7,010	(a)
Southern Rhodesia .. .	16,701	13,592	27,822	18,752	36,087	36,387	15,900
Union of South Africa ..	34,966	35,457	32,851	30,649	92,362	225,534	36,260
Canada (sales) (c) .. .	223,639	279,120	397,275	494,631	364,515	614,221	13,198
Cyprus (saleable) .. .	660,162	596,736	689,549	821,716	754,399	795,350	235,037
India .. .. .	.. .. .	.. .. .	530	2,168	277	.. .. .	401,000
Australia	88,060	118,078	151,388	198,713	167,007	206,778	930
TOTAL	1,040,000	1,056,000	1,314,000	1,582,000	1,425,000	1,885,000	84,150
FOREIGN COUNTRIES							
Austria	11,440	13,315	10,075	8,988	69	.. .. .	2,261
Finland (b)	177,197	159,491	228,873	242,042	255,094	248,527	105,000
France (e)	202,149	243,704	276,127	295,669	292,960	295,000	108,000
Germany (Federal) .. .	423,600	517,118	525,104	519,594	521,613	557,334	132,400
Greece	20,654	86,293	178,400	191,578	233,575	d 270,000	188,739
Italy	850,536	886,683	884,400	1,123,390	1,215,068	1,212,247	191,542
Norway	733,000	736,967	685,056	701,361	733,092	782,359	87,400
Poland	d 54,000	(a)	(a)	(a)	(a)	(a)	424,000
Portugal	613,092	603,801	718,103	743,959	640,852	575,157	539,000
TOTAL .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	295,312
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	(a)
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	332,104
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	(a)
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	288,384
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	70,500
.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	92,100

* See also Sulphur (page 302).

- (a) Information not available.
- (b) Pyrite concentrate only.
- (c) Produced as a by-product in the treatment of copper and copper-zinc ores.
- (d) Estimated.
- (e) In addition the sulphur content of mispickel and auriferous pyrites was as follows (long tons): 1949—9,240; 1950—11,116; 1951—12,650; 1952—12,753; 1953—9,392; 1954—1,296.

PRODUCTION OF PYRITES (cont.)

Producing Country	1949	1950	1951	1952	1953	1954	Estimated Sulphur Content					
							1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES												
Spain (cont.)	1,275,802	1,430,083	1,767,824	2,119,566	1,773,363	1,883,452	619,000	694,000	858,000	1,028,000	860,000	913,000
Sweden	417,310	400,384	400,507	407,054	382,846	392,894	201,846	199,105	199,602	201,769	189,177	193,562
Yugoslavia	240,909	115,317	151,350	185,158	170,271	159,717	108,000	52,000	68,000	83,000	78,000	72,000
Algeria	32,180	24,700	30,950	23,631	29,352	33,000	13,220	10,250	12,850	10,200	12,900	14,500
Morocco (French)	197	1,450	1,918	1,993	2,005	1,535	(a)	700	870	860	800	—
Tunis	2,884	1,130	—	—	—	—	1,380	538	—	—	—	—
United States (b)	888,388	931,163	1,017,769	994,342	922,647	908,715	378,453	392,788	432,819	418,139	379,545	373,000
Formosa	(a)	(a)	6,622	32,707	24,892	23,857	(a)	(a)	2,400	11,800	9,000	9,100
Japan	(a)	(a)	2,313,696	2,586,846	2,306,251	2,585,278	623,000	790,000	923,000	1,036,000	904,000	1,040,000
Korea (South)	1,518,001	1,898,286	(a)	743	765	5,202	(a)	(a)	(a)	(a)	(a)	(a)
Philippine Republic	(a)	(a)	(a)	(a)	1,945	—	(a)	(a)	(a)	(a)	680	2,080
TOTAL*	7,460,000	8,100,000	9,240,000	10,200,000	9,560,000	9,990,000	(a)	4,090,000	4,680,000	5,230,000	4,850,000	5,250,000
WORLD'S TOTAL*	8,500,000	9,156,000	10,554,000	11,782,000	10,985,000	11,875,000	3,810,000	4,090,000	4,680,000	5,230,000	4,850,000	5,250,000

* Excluding pyrites known to have been produced in Czechoslovakia, Roumania, U.S.S.R., China and Brazil.

(a) Information not available.

(b) Includes by-product pyrites.

EXPORTS OF PYRITES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Southern Rhodesia—						
Iron pyrites	16,665	12,329	24,728	15,281	33,586	26,774
Canada—						
Pyrites (<i>S content</i>) ..	80,851	99,689	158,963	176,694	115,721	168,400
Cyprus—						
Iron pyrites	401,768	533,501	614,864	633,270	565,183	687,954
Cupreous pyrites	77,820	111,210	99,060	146,672	129,915	125,370
Australia	9	177	6,420	—	—	—
FOREIGN COUNTRIES						
Austria	7,975	20,098	95,648	88,461	8,562	71,833
Belgium-Luxemburg						
E.U.	—	362	3,531	—	—	—
Finland—						
Concentrate	30,222	—	—	3,149	9,174	72,069
France	7	—	6	—	1,799	147
Germany (Federal)—						
Pyrites, etc.	—	6,496	19,686	14,599	12,578	16,509
Greece	4,990	46,327	149,878	174,409	160,447	137,827
Italy	87,209	88,408	146,091	107,920	59,290	113,192
Norway—						
Iron pyrites	172,372	183,381	159,871	191,731	129,834	162,142
Cupreous pyrites	234,526	199,540	129,154	138,836	193,066	252,856
Portugal—						
Iron pyrites	339,390	489,370	561,922	406,312	298,198	375,676
Cupreous pyrites					1,791	2,255
Spain—						
Iron pyrites	1,054,809	1,199,493	1,516,428	1,737,348	1,180,141	1,531,569
Cupreous pyrites	9,499	27,495	36,463	56,281	40,836	18,551
Sweden	54,478	60,689	4,036	10,236	11,810	10,283
Yugoslavia	(a)	172,922	158,583	157,289	69,559	128,495
Algeria	—	—	610	—	236	—

(a) Information not available.

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom	230,323	191,636	347,688	505,101	385,133	599,593
Northern Rhodesia— Iron pyrites	16,665	12,329	18,754	9,456	5,362	(b) —
Irish Republic	38,487	45,293	42,303	34,288	40,137	47,474
FOREIGN COUNTRIES						
Austria	25,480	75,649	138,835	131,661	49,626	131,928
Belgium-Luxemburg E.U.	308,543	321,129	404,554	319,561	252,763	352,606
Denmark	128,829	144,857	148,007	106,632	129,551	119,967
France	635,144	548,091	693,604	629,146	324,432	553,870
Germany (Federal)— Pyrites, etc.	278,942	628,961	785,468	996,450	854,832	1,038,417
Italy—						
Iron-pyrites	53,231	85,982	183,199	79,578	113,188	135,121
Cupreous pyrites	5,224	—	12,359	7,190	1,383	—
Netherlands	252,023	312,851	375,944	428,941	331,495	482,263
Sweden	95,801	97,690	71,632	69,107	65,619	78,593
Algeria	3,030	3,144	11,261	1,857	8,777	6,471
Tunis	7,142	(a)	12,945	(a)	(a)	(a)
United States	120,937	208,766	221,512	296,047	190,474	46,649
Japan	(a)	9,676	29,796	68,201	566	—

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

SALT
PRODUCTION OF SALT
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain—						
Rock-salt	41,000	41,449	54,200	44,521	42,846	43,184
Brine-salt	895,145	956,403	1,040,796	944,357	940,260	962,907
Salt in brine (b)	2,807,418	3,234,475	3,577,798	2,952,408	3,074,156	3,414,005
Northern Ireland—						
Brine-salt	12,768	12,958	13,042	10,637	—	10,842
Malta—						
Sea-salt	1,500	1,540	3,240	1,290	3,140	2,770
Mauritius—						
Sea-salt	5,118	2,565	3,350	2,165	2,362	3,050
South West Africa—						
Rock-salt	2,430	3,854	4,632	6,779	4,621	4,825
Other salt	13,514	12,699	39,250	32,733	35,948	41,779
Anglo-Egyptian Sudan	42,349	40,110	45,485	52,469	53,993	54,759
Kenya	18,523	18,426	19,084	16,750	20,886	18,795
Tanganyika	14,743	12,276	15,608	18,951	19,785	21,394
Uganda	7,283	7,296	7,745	4,043	7,517	7,190
Union of South Africa ..	160,362	104,716	147,430	138,354	125,545	153,737
Canada—						
Rock-salt	38,663	49,258	64,996	73,679	63,423	72,011
Other salt (c)	630,100	717,573	795,323	795,256	793,629	788,129
British West Indies—						
Sea-salt—						
Bahamas (exports) ..	54,607	22,929	48,321	54,107	121,071	116,500
Leeward Islands (exports) ..	4,783	5,518	6,884	5,851	5,298	4,164
Turks and Caicos Islands	47,000	60,000	21,000	16,400	9,863	(a)
Aden	303,432	255,865	304,302	376,079	240,423	210,000
Ceylon	28,211	66,859	25,835	45,330	57,199	49,960
Cyprus	—	4,068	10,752	—	1,960	4,688
India—						
Rock-salt	4,229	5,049	5,443	5,992	5,772	4,007
Other salt	2,039,000	2,615,867	2,729,437	2,820,166	3,159,265	2,713,269
Pakistan—						
Rock-salt	167,700	(a)	(e) 103,000	(e) 101,000	(e) 125,000	147,010
Sea-salt (e)	(a)	(a)	166,000	145,000	176,000	(f) 250,538
Australia (d)	245,000	265,000	300,000	277,000	310,000	380,000
New Zealand	—	—	—	700	—	1,500
Total*	7,500,000	8,700,000	9,550,000	8,940,000	9,390,000	9,490,000
FOREIGN COUNTRIES						
Austria—						
Rock-salt	708	1,068	681	1,122	1,106	1,258
Evaporated salt	74,569	90,058	93,815	80,760	86,720	95,641
France—						
Rock-salt (incl. refined)	428,058	348,143	416,968	411,937	428,385	472,200
Salt in brine	1,574,646	1,848,883	2,125,989	1,738,586	1,957,000	1,910,000
Sea-salt	730,989	645,663	407,463	648,601	538,500	487,000

* See page 288.

(a) Information not available.

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

(c) Including salt in brine.

(d) Estimated.

(e) Years ended March 31 following that stated.

(f) Calendar year.

PRODUCTION OF SALT (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Rock-salt, etc.	1,770,600	2,158,759 270,822	2,438,239 275,990	2,263,342 271,981	2,535,912 291,881	2,804,744 305,657
Brine-salt						
Greece—						
Sea-salt	85,405	100,713	81,132	94,000	84,000	(a)
Italy—						
Rock salt	791,730	734,369	1,095,275	745,541	878,229	1,018,093
Sea-salt	464,458	1,041,263	888,111	886,367	(a)	(a)
Spring-salt	14,772	17,156	15,089	15,183	(a)	(a)
Netherlands (brine-salt)	329,079	403,111	477,714	408,260	450,000	504,000
Poland	443,326	654,000	(a)	504,000	(b) 500,000	(b) 500,000
Portugal—						
Rock-salt	40	41	38	44	48	52
Sea-salt (exports)	16,636	30,279	28,911	22,590	2,978	2,244
Spain—						
Rock-salt	284,333	303,360	361,999	369,330	387,588	393,112
Sea-salt	538,248	887,336	879,189	644,656	976,625	1,046,609
Other salt	(a)	16,724	21,590	21,318	26,266	26,089
Switzerland	(a)	(a)	125,036	107,616	108,522	114,647
Yugoslavia	107,200	129,000	94,000	146,035	121,469	(a)
Algeria—						
Brine-salt and sea-salt . .	95,369	75,054	95,593	80,058	58,900	97,100
Angola	40,634	39,834	48,451	56,602	56,896	54,295
Belgian Congo (rock-salt)	800	540	540	610	797	829
Canary Islands (sea-salt)	5,200	5,976	15,481	15,000	16,850	17,784
Cape Verde Islands	18,996	19,457	23,725	17,805	(a)	(a)
Egypt	344,352	530,503	597,452	490,522	381,449	443,351
Eritrea (sea-salt)	79,040	53,070	(a)	(a)	(a)	} (d) 79,559
Ethiopia (b)	10,000	10,000	10,000	10,000	10,000	
French Somaliland	67,000	79,000	54,300	63,400	60,000	58,200
Libya (sea-salt)	8,000	9,000	12,000	12,000	12,000	15,000
Morocco (French)	33,531	59,052	64,929	39,368	40,150	31,580
Morocco (Spanish)—						
Sea-salt (b)	250	250	250	250	213	250
Mozambique—						
Rock-salt	76	61	87	101	108	98
Sea-salt	10,755	9,724	8,491	10,238	10,617	(a)
Tunis (sea-salt)	96,535	92,616	144,193	84,163	137,210	162,400
Costa Rica	8,100	8,300	5,359	2,232	3,830	(a)
Cuba (sea-salt)	(a)	(a)	49,473	55,119	50,208	53,094
Dominican Republic—						
Rock-salt	2,373	2,267	2,238	2,561	3,735	42,178
Sea-salt	8,012	12,398	7,964	16,482	13,450	14,239
Haiti (b)	8,000	(a)	(a)	29,900	34,400	29,900
Honduras	(a)	4,327	4,577	(b) 4,500	(b) 10,200	(a)
Mexico (b)	122,700	145,000	162,500	169,800	(a)	(a)
Netherlands West Indies	(a)	(a)	(a)	2,607	(a)	(a)
Nicaragua (sea-salt)	11,342	11,152	12,044	13,007	13,751	14,318
Panama (sea-salt)	3,043	4,457	5,302	5,808	3,867	6,243
Porto Rico (sea-salt)	5,460	9,050	10,080	8,610	(b) 10,000	(b) 10,000
Salvador	(a)	(a)	(a)	18,000	34,200	(a)
United States (sales)—						
Rock-salt	3,075,304	3,506,488	4,162,673	4,100,000	3,998,799	4,328,944
Salt in brine	7,895,994	8,368,977	10,616,187	9,800,000	11,257,181	10,556,897
Evaporated salt	2,932,465	2,972,579	3,263,221	3,125,000	3,305,629	3,331,328
Argentina	453,505	(a)	(a)	(a)	(a)	(a)
Bolivia	(a)	(a)	(a)	(a)	2,000	2,000
Brazil (sea-salt)	792,000	781,638	1,224,700	768,289	749,279	(a)
Chile	38,905	46,676	48,145	50,830	36,137	(a)

(a) Information not available.

(b) Estimated.

(c) Exports.

(d) Year ended September 10 of that stated.

PRODUCTION OF SALT (cont.)

Producing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Colombia—						
Rock-salt	100,376	105,229	108,346	164,981	114,863	145,990
Sea-salt	22,925	34,492	27,623	37,597	42,147	35,664
Brine-salt	(a)	(a)	(a)	(a)	(a)	105,574
Ecuador (sea-salt)	14,900	15,500	32,200	26,580	27,560	157,000
Guatemala—						
Sea-salt	(a)	11,300	11,800	11,785	14,943	(a)
Peru—						
Rock-salt	9,344	7,865	10,123	9,809	9,053	(a)
Sea-salt	42,476	52,105	52,299	62,526	62,034	(a)
Brine-salt	3,264	5,481	4,991	6,001	4,682	(a)
Venezuela (sea-salt)	70,790	55,547	38,305	114,217	71,440	82,097
Afghanistan	(a)	(a)	24,346	23,300	26,800	(b) 28,000
Burma—						
Sea-salt	29,609	18,020	60,675	56,701	60,934	94,626
Brine-salt	1,582	(b) 3,000	2,496	1,678	1,484	1,317
China (c)	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	(a)
Formosa (sea-salt)	249,937	172,297	279,763	324,542	168,742	387,899
French Indo-China	111,786	74,526	92,425	130,830	72,910	(a)
Indonesia (d)	313,863	160,169	473,000	196,141	(b) 222,000	214,597
Iran	(a)	100,000	75,048	(b) 200,000	(b) 220,000	(a)
Iraq (e)	9,025	11,673	15,413	18,993	18,404	20,007
Israel (b)	(a)	18,000	12,000	15,000	21,300	20,000
Japan—						
Government-licensed plants (f)	389,500	413,000	431,000	426,700	453,800	418,400
Jordan (brine-salt)	(b) 5,000	(b) 10,000	(b) 10,000	7,145	6,945	10,341
Korea (South)	185,830	172,122	83,221	200,645	189,643	177,284
Lebanon (sea-salt) (b)	2,500	6,500	7,000	12,000	20,000	8,000
Philippine Republic—						
Sea-salt	51,450	55,394	51,454	16,506	46,984	47,313
Portuguese India	17,846	17,330	31,078	19,642	15,720	13,266
Siam (b)	150,000	200,000	400,000	280,000	280,000	230,000
Syria	20,809	20,000	5,306	19,368	13,632	14,511
Turkey—						
Rock-salt	17,637	20,009	22,474	24,605	26,752	29,611
Lake and spring salt	105,064	101,149	84,531	134,802	150,742	197,590
Sea-salt	188,647	179,263	159,518	150,767	165,347	246,102
TOTAL*	34,000,000	36,000,000	42,000,000	40,000,000	42,000,000	44,000,000
WORLD'S TOTAL*	41,500,000	44,700,000	51,500,000	48,900,000	51,400,000	53,500,000

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

(a) Information not available.

(b) Estimated.

(c) U.S. Bureau of Mines.

(d) Government production of brine-salt.

(e) Years ended March 31 of that stated.

(f) In addition there is a production of salt in other plants which in 1948 amounted to 47,012 tons.

EXPORTS OF SALT
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Rock-salt	6,716	9,507	5,451	6,039	8,625	5,507
Other salt	209,118	250,988	274,906	270,177	239,783	248,823
Anglo-Egyptian Sudan	6,645	14,042	12,321	28,939	12,829	3,726
Gold Coast	1,214	727	1,099	803	261	(a)
Kenya	16	9	365	186	3	1
Southern Rhodesia ..	387	321	454	455	495	(a)
South West Africa—						
Rock salt	215	463	1,167	1,809	1,567	1,786
Coarse salt	214	2,781	22,847	12,733	9,778	19,054
Other	148	413	927	404	171	138
Tanganyika	2,952	3,874	3,811	4,254	5,633	6,846
Uganda	1,489	2,131	2,295	2,000	2,092	2,174
Union of South Africa ..	20,031	16,093	15,031	9,268	17,278	10,662
Canada	3,100	3,660	4,073	2,539	2,101	1,070
British West Indies—						
Bahamas (b)	54,607	22,929	48,321	54,107	121,071	116,500
Leeward Islands ..	4,783	5,518	6,884	5,851	5,298	4,164
Turks and Caicos Islands ..	52,718	9,553	22,500	10,300	9,155	11,687
Aden	228,048	235,516	338,757	342,196	165,638	193,759
Ceylon	83	158	1	—	—	60
Hong Kong (including re-exports) .. .	10,236	5,946	2,461	1,896	2,345	1,731
India—						
Trade by sea	270	7,838	17,659	228,893	262,584	194,596
Trade by land (c) ..	(a)	(a)	23,792	9,277	13,405	5,761
Malaya (including re-exports)	10,726	8,354	7,943	8,975	8,214	8,882
Australia—						
Rock-salt	6	353	24	1,552	62	} 20,809
Refined salt	10,311	2,126	856	8,170	11,985	
Other salt	14,048	19,158	13,389	12,556	4,658	
FOREIGN COUNTRIES						
Austria	3,379	6,428	6,048	1,889	68	149
Belgium-Luxemburg E.U.—						
Common salt	39	14	132	56	5	44
Refined salt	31	57	21	40	85	20
Denmark—						
Refined salt, etc. ..	417	178	81	84	70	39
France	190,394	108,341	122,452	75,106	50,947	59,359
Germany (Federal)—						
Rock-salt, sea-salt, etc.	534,310	583,574	691,434	609,738	626,607	711,548
Italy—						
Rock-salt and sea-salt	567,300	121,378	260,205	151,312	115,411	106,458
Netherlands—						
Rock-salt and sea-salt	—	—	—	79	620	305
Refined salt and waste	180,371	255,799	293,483	249,023	259,545	280,812
Norway—						
Common salt	2,298	1,552	3,970	474	3,642	4,613
Refined salt	1	18	22	35	550	290

(a) Information not available.

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

(c) Years ending March 31 following that stated.

EXPORTS OF SALT (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal	16,636	30,279	28,911	22,590	2,978	2,244
Spain	263,985	176,004	359,095	299,539	316,969	(a)
Sweden	947	2,801	2,342	1,378	776	1,518
Algeria	42,891	22,288	14,213	20,918	28,755	42,001
Angola	16,471	18,324	21,796	20,360	14,161	19,613
Cape Verde Islands ..	(a)	(a)	23,212	23,913	22,188	18,316
Egypt—						
Common salt	455,817	201,224	341,424	79,200	272,094	325,546
Ethiopia (Eritrea) (c) ..	84,407	38,941	85,896	(a)	(a)	79,559
French Somaliland	110,246	52,069	60,502	11,041	16,209	19,661
French West Africa	(a)	(a)	(a)	(a)	(a)	(a)
Madagascar	276	892	1,005	919	1,562	(a)
Mozambique	1,403	1,742	1,047	1,575	1,098	(a)
Morocco (French)	561	207	(a)	16	(a)	(a)
Tunis—						
Rock-salt and sea-salt	152,621	102,138	88,745	99,804	50,200	73,124
Cuba	363	453	362	(a)	(a)	(a)
Dominican Republic	(a)	(a)	(a)	(a)	(a)	18,135
Mexico	2,050	45	19,738	28,117	10,804	1,025
Netherlands West Indies ..	248	326	2,632	(a)	(a)	(a)
Salvador	1,208	376	2,359	2,451	1,762	1,036
United States	321,229	169,979	392,068	312,474	222,786	339,829
Argentina	15,246	19,672	(a)	18,970	9,636	23,443
Brazil	41	(a)	12	9	9	—
China	(a)	(a)	98,000	(a)	(a)	(a)
Formosa	233,672	200,000	235,275	178,546	171,350	213,966
French Indo-China	39,640	(a)	(a)	(a)	(a)	(a)
Iran (including re-exports) (b)	930	2,039	1,750	1,453	10,556	(a)
Japan	(a)	(a)	304	558	781	14
Portuguese India	9,551	(a)	(a)	(a)	(a)	(a)
Siam	161,636	95,519	138,921	(a)	(a)	(a)
Turkey	48,058	(a)	76,576	81,392	(a)	(a)

(a) Information not available.

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

(c) Years ended September 10 of that stated.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Salt for use of fisheries ..	39,958	23,203	25,996	35,258	28,431	31,453
Other salt	10	369	351	290	1,597	669
Channel Islands	556	613	615	570	591	605
Malta—						
Refined salt	(£2,007)	(£1,618)	(£1,925)	(£1,823)	(£1,921)	(£3,355)
Other salt	(£228)	(£202)	1	304	237	920
Anglo-Egyptian Sudan	194	223	57	93	3,546	351
Gambia	648	924	270	563	704	811
Gold Coast—						
Refined salt	26	38	75	25	152	} 6,342
Other salt	1,099	2,127	3,823	1,718	4,842	
Kenya	688	778	694	4,847	2,360	2,043
Mauritius	—	—	804	1	1,743	614
Nigeria	75,806	63,417	94,801	82,328	85,917	91,423
Northern Rhodesia	5,711	6,116	6,468	7,228	6,506	(b)
Nyasaland	5,202	4,474	3,608	4,993	4,224	(b)
Seychelles	157	1,401	84	54	128	262
Sierra Leone	6,159	2,875	5,047	4,109	5,433	5,014
Somaliland	(a)	(a)	5	14	45	(a)
South West Africa	442	451	304	316	334	(a)
Southern Rhodesia	15,191	13,377	19,272	17,406	15,453	(c) 30,710
Tanganyika	3,209	1,568	1,614	7,933	3,396	2,484
Uganda	5,585	4,753	6,158	13,395	10,567	7,758
Union of South Africa—						
Rock-salt	197	196	27	140	414	(a)
Common salt and refined salt	2,791	2,890	8,235	4,313	6,619	(a)
Zanzibar	1,220	1,187	1,717	939	2,236	881
Canada (total imports)—						
Salt for use of fisheries	74,334	51,410	52,750	62,097	53,680	52,451
Refined salt	—	—	17	29	21	21
Other salt	136,994	161,303	178,324	195,127	220,703	278,253
British Honduras	323	382	411	257	427	318
British West Indies—						
Barbados	2,416	2,294	2,348	2,596	1,963	2,141
Bermuda	174	158	(a)	152	127	150
Dominica	212	415	144	360	373	341
Grenada	340	680	781	546	735	(a)
Jamaica—						
Rock-salt	18	45	27	79	10	223
Other salt	6,028	9,654	9,414	9,774	9,714	6,106
Leeward Islands	242	264	469	168	207	224
St. Lucia—						
Common salt	375	469	1,040	594	563	448
Refined salt	13	15	32	31	36	41
St. Vincent—						
Unrefined salt	363	292	387	220	288	364
Refined salt	74	56	84	221	168	50
Trinidad and Tobago—						
Rock and coarse salt ..	545	732	581	462	1,594	600
Refined salt	4,365	4,489	4,690	4,043	4,373	4,150
British Guiana—						
Rock and coarse salt ..	597	496	688	341	143	214
Refined salt, etc.	1,318	1,870	1,793	2,016	2,073	1,905

(a) Information not available.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

IMPORTS OF SALT (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
Aden	8	7	13	21	26	33
Brunei	183	178	147	182	176	198
Ceylon—						
Refined salt	14	8	18	9	6	4
Other salt	21	30	22	30	18	41
Cyprus	25	17	56	43	77	64
Hong Kong (total imports)	76,371	45,072	29,174	27,738	31,842	30,022
India	248,865	146,875	2,351	2,070	11	431
Malaya (total imports)—						
Refined salt	83	110	135	127	152	161
Other salt	66,350	77,332	66,399	71,740	67,831	73,824
North Borneo	2,017	2,012	2,242	2,184	2,329	2,312
Pakistan (c) (d)	(a)	(a)	23,792	9,276	13,405	5,761
Sarawak	3,416	3,356	3,491	3,786	3,695	4,152
Australia—						
Rock-salt	5,020	6,332	4,049	2,095	5,415	2,349
Refined salt	1,880	1,951	4,560	2,294	1,646	} 5,106
Other salt	1,830	3,420	7,678	2,246	2,353	
Fiji	890	867	1,179	2,692	571	1,417
New Guinea (b)	(£43,884)	(£45,262)	(£4384)	617	341	357
New Zealand	53,236	43,069	39,236	71,887	36,276	51,219
Papua (b)	100	(£41,675)	122	182	112	(a)
Solomon Islands (c)	5	7	9	14	14	28
Western Samoa	80	119	102	322	101	159
Irish Republic—						
Refined salt	3,748	2,815	2,558	3,805	} 30,513	32,052
Other salt	27,186	26,222	26,857	24,685		
FOREIGN COUNTRIES						
Austria—						
Common salt	636	91	—	81	59	46
Belgium-Luxemburg E.U.—						
Common salt	295,409	310,443	428,049	323,689	377,874	420,751
Refined salt	70,012	96,271	68,113	72,133	77,264	76,731
Denmark—						
Rock-salt	796	1,511	1,050	1,955	1,237	1,208
Refined salt	82,481	96,396	102,387	102,359	112,730	111,838
Finland (total imports)—						
Common salt	65,823	91,617	104,594	89,591	92,201	124,539
France	11,112	16,510	14,677	14,793	20,257	35,402
Germany (Federal)—						
Rock-salt, sea-salt, etc.	255	16	—	—	45	127
Iceland—						
Common salt	20,977	55,611	27,068	34,929	51,350	} 54,992
Refined salt	54	94	129	73	148	
Italy—						
Rock and sea-salt	6	—	12	1,870	2,219	2,020
Netherlands—						
Rock-salt	30,537	57,101	59,037	65,486	53,887	60,355
Sea-salt, etc.	9,150	3,452	4,447	3,185	5,636	6,746
Refined salt	(a)	4	41	11	13	19
Norway—						
Common salt	209,449	217,484	219,295	242,205	188,704	189,549
Refined salt	19,703	29,012	34,992	25,928	26,780	32,950
Portugal	8	44	29	5	43	91

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(d) Exports from India to Pakistan by land.

IMPORTS OF SALT (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Common salt	324,243	348,228	340,218	313,813	283,057	311,223
Switzerland	259	269	295	583	306	452
Yugoslavia	(a)	104,356	41,320	27,887	(a)	(a)
Algeria	518	127	133	132	154	153
Belgian Congo	31,141	31,549	31,452	39,058	34,763	38,376
Cameroon (French) ..	8,056	9,937	5,625	14,505	6,118	11,134
Egypt—						
Common salt	216	317	285	181	44	178
Ethiopia (b)	49,595	48,663	50,196	50,872	35,265	(a)
French Equatorial Africa	10,695	5,909	5,734	8,073	8,220	6,127
French Togoland	2,905	4,023	9,747	3,100	3,439	5,406
French West Africa ..	5,985	9,446	6,654	6,042	9,773	13,779
Madagascar	3,452	621	182	103	9	(a)
Morocco (French)	1,919	1,736	2,146	3,615	5,569	(a)
Mozambique	3,247	5,438	2,636	3,325	4,150	(a)
Portuguese Guinea	761	1,116	1,413	(a)	(a)	(a)
Reunion	1,347	(a)	1,149	1,137	1,029	1,738
S. Tome and Principe ..	(a)	423	385	463	407	431
Costa Rica	125	122	(a)	(a)	1,139	1,826
Cuba (total imports) ..	8,287	10,639	13,392	16,473	17,563	(a)
French West Indies—						
Guadeloupe	(a)	1,809	1,822	1,928	1,780	(a)
Martinique	1,212	2,369	1,775	1,926	2,358	(a)
Guatemala	3,865	1,771	230	608	(a)	(a)
Honduras (d)	1,450	286	951	(a)	(a)	(a)
Mexico	1,866	111	471	638	585	1,035
Netherlands West Indies	353	520	470	(a)	(a)	(a)
Nicaragua (total imports)	353	350	451	514	834	(a)
St. Pierre and Miquelon	4,815	4,006	—	4	5	2,447
Salvador	37	68	127	31	70	218
United States	5,633	7,026	3,865	6,300	122,597	143,545
Bolivia	(a)	(a)	(a)	687	480	212
Brazil (total imports)—						
Common salt	—	(a)	711	146	(a)	(a)
Refined salt	—	(a)	—	—	11	34
Columbia	(a)	(a)	36	6	14	39
Dutch Guiana	923	(a)	(a)	(a)	(a)	(a)
French Guiana	102	360	186	274	176	291
Peru	—	—	2	15	15	38
Uruguay—						
Refined salt	(a)	(a)	(a)	(a)	(a)	(a)
Rock-salt	8,811	10,586	130	250	100	(a)
Coarse salt	38,127	46,064	34,964	61,412	50,940	(a)
French Indo-China	1,217	755	712	(a)	(a)	(a)
Indonesia	(a)	94	157	76	104	28
Iran (c)—						
Common salt	2	—	293	(a)	(a)	(a)
Refined salt	38	7	8	(a)	(a)	(a)
Iraq	134	9	21	(a)	(a)	(a)
Japan	1,798,736	632,662	1,779,503	1,447,293	1,362,278	1,715,993
Korea	(a)	(a)	(a)	(a)	(a)	(a)
Lebanon	7,283	8,453	9,726	(a)	(a)	(a)
Syria		2	—	(a)	(a)	(a)
Philippine Republic—						
Crude	42	—	44	38	19	428
Refined	1,831	2,388	1,926	1,689	662	1,236
New Caledonia	523	47	592	417	423	(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.

(d) Years ended June 30 of that stated.

SILLIMANITE, Etc.
PRODUCTION OF SILLIMANITE, ETC.
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	—	—	1,984	2,130	1,750	1,834
Kenya—						
Kyanite	23,263	8,834	2,640	961	67	} 4,018
Mullite	—	2,311	8,000	7,475	5,367	
Nyasaland—						
Kyanite	—	—	—	40	1,208	1,450
South West Africa—						
Kyanite and sillimanite	—	—	58	2,679	2,426	125
Tanganyika (exports) ⁽¹⁾						
Kyanite	—	—	—	—	20	—
Union of South Africa—						
Andalusite	4,127	7,429	(d) 11,306	(d) 19,176	(d) 10,511	(c) 16,227
India—						
Kyanite	19,949	35,488	42,501	26,882	15,374	42,330
Sillimanite	974	1,475	4,048	5,076	5,491	3,066
Australia—						
Sillimanite (b)	961	1,581	871	1,333	3,557	2,337
FOREIGN COUNTRIES						
Sweden—						
Andalusite	—	670	—	—	—	—
United States						
Kyanite	10,817	(e) 12,000	(e) 15,000	(e) 30,000	(e) 35,000	(a)
Argentina—						
Kyanite and sillimanite	100	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Including andalusite and fibrolite. In addition the following amounts of kaolinised sillimanite ("dickite") were produced: 1951—260 (incomplete); 1952—1,774; 1953—2,477; 1954—2,476. Information for previous years is not available.

(c) Including andalusite quarried for concentrating.

(d) Including sillimanite.

(e) Estimated.

EXPORTS OF SILLIMANITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Kenya—						
Kyanite (incl. mullite)	18,907	9,588	9,894	8,578	4,401	3,634
Nyasaland—						
Kyanite	—	—	—	—	1,234	1,335
South West Africa—						
Kyanite	—	—	—	1,719	1,246	21
Sillimanite	—	—	49	390		
Tanganyika—						
Kyanite	—	—	—	—	20	—
Union of South Africa—						
Andalusite and sillimanite	—	—	1,530	4,530	2,709	6,417
India—						
Kyanite	14,831	32,496	25,176	26,772	15,748	22,216
Sillimanite	77	471	2,504	4,214	3,232	2,414
Australia—						
Kyanite (b)	30	—	—	—	—	(a)
Kaolinised sillimanite ("dickite")	689	521	271	101	—	(a)
FOREIGN COUNTRIES						
United States—						
Kyanite, etc.	928	940	884	1,008	921	1,024

(a) Information not available.

(b) Year ended June 30 of that stated.

IMPORTS OF SILLIMANITE, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada—						
Kyanite, etc.	979	509	724	1,156	774	691
Australia—						
Kyanite and sillimanite (c)	249	949	28	70	1	5
FOREIGN COUNTRIES						
France—						
Kyanite	1,020	1,198	1,399	1,249	906	1,708
Sillimanite	271	530	775	1,204	1,375	870
Italy—						
Kyanite (incl. mullite) ..	(a)	(b) 1,026	583	1,089	1,655	1,862
United States—						
Kyanite, sillimanite, etc.	10,821	15,551	17,473	8,087	5,910	4,309

*These minerals are not separately recorded in the trade returns of several countries including the United Kingdom.

(a) Information not available.

(b) July to December only.

(c) Years ended June 30 of that stated.

SILVER
PRODUCTION OF SILVER
(Metal content)
(Fine troy ounces)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	13,996	18,153	26,777	30,734	28,914	30,732
Bechuanaland Protectorate	27	39	70	282	464	292
Gold Coast (b)	40,051	43,317	52,853	44,116	44,949	48,214
Kenya	2,279	2,586	2,150	17,315	21,758	1,325
Nigeria	484	304	213	183	173	182
Northern Rhodesia (c)	134,920	173,304	100,702	348,954	514,699	403,069
Southern Rhodesia	84,495	85,549	79,731	81,356	84,566	81,657
South West Africa (f) .. (d)	659,000	630,111	810,934	925,374	835,241	855,290
Swaziland	120	60	18	—	—	—
Tanganyika	26,886	(e) 50,624	(e) 111,348	(e) 172,083	(e) 264,852	(e) 211,478
Uganda (b)	42	35	14	14	55	85
Union of South Africa	1,159,375	1,119,135	1,162,588	1,176,433	1,193,152	1,235,418
Canada	17,641,493	23,221,431	23,125,825	25,222,227	28,299,335	31,117,949
India	11,275	15,676	14,612	17,675	14,624	161,185
Australia	9,849,213	10,677,456	10,792,032	11,425,872	12,402,963	13,826,594
Fiji	29,755	37,740	24,869	25,838	19,328	21,277
New Guinea	(h) 41,911	(h) 36,189	(h) 38,556	63,011	58,794	49,062
New Zealand	232,599	199,701	133,291	51,016	75,888	33,049
Total	29,925,000	36,312,000	36,476,300	39,603,000	43,860,000	48,077,000
FOREIGN COUNTRIES						
Austria	1,318	868	6,108	4,501	5,144	5,466
Czechoslovakia (g)	1,608,000	1,608,000	1,608,000	1,608,000	(a)	(a)
Finland	168,026	115,936	157,281	150,080	235,794	239,459
France	570,901	719,855	705,902	712,171	675,519	482,000
Germany (Federal)	1,601,782	1,637,116	1,819,957	1,877,700	2,314,436	2,400,246
Greece	(a)	(a)	74,590	65,600	73,272	(d) 80,000
Italy	702,400	688,900	702,500	693,900	698,800	757,500
Norway	169,981	168,181	165,015	147,006	113,138	131,800
Portugal	31,958	68,288	65,427	77,740	59,447	55,299
Spain	514,283	585,938	613,436	828,075	1,209,125	1,312,522
Sweden	1,140,708	1,275,709	1,145,917	2,196,282	1,571,464	2,215,572
Yugoslavia (refined)	1,917,792	2,386,839	3,032,008	2,577,043	3,048,019	2,829,394
Algeria	32,472	32,119	8,681	(a)	48,200	57,900
Belgian Congo	4,549,300	4,459,300	3,795,070	4,727,252	4,951,000	4,533,000
Morocco (French)	491,906	1,007,900	1,865,000	2,283,000	2,251,000	1,929,000
Mozambique	244	71	83	102	209	43
Tunis	68,320	71,825	61,119	167,409	125,034	106,100
Costa Rica	700	200	582	—	(a)	(a)

(a) Information not available.

(b) Exports.

(c) Recovered from copper-refinery slimes.

(d) Estimated.

(e) Including silver in lead concentrates exported amounting to 20,585; 77,273; 135,212; 223,434 and 169,589 fine troy ounces in 1950; 1951; 1952; 1953 and 1954 respectively.

(f) Accounted for by smelters.

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

(h) Years ended June 30 of that stated.

PRODUCTION OF SILVER ORE (cont.)

Producing Country	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (b)	157,411	221,779	172,318	163,211	167,895	(a)
Guatemala	(e) 81,502	(e) 339,360	(e) 309,857	(e) 371,679	458,481	(a)
Honduras	3,378,000	3,514,976	3,182,502	3,650,599	4,783,969	d 5,454,791
Mexico	49,454,883	49,141,445	43,797,735	50,353,561	47,886,441	39,896,467
Nicaragua	206,604	187,953	206,882	238,389	252,697	218,148
Panama	(a)	(a)	5,026	—	—	—
Salvador	280,259	462,840	323,793	349,182	348,328	256,772
United States	34,674,952	42,459,014	39,766,779	39,452,330	37,570,838	36,582,288
Argentina	1,249,421	1,150,000	1,253,879	962,948	895,474	1,639,688
Bolivia (c)	6,637,296	6,548,110	7,164,118	7,065,608	6,787,440	6,625,950
Brazil	21,041	21,155	20,319	17,301	211,938	212,066
Chile	799,674	742,489	983,491	1,246,356	1,497,839	1,488,997
Colombia	106,674	116,104	130,028	123,165	117,383	112,534
Ecuador	276,900	273,200	33,600	82,200	86,600	35,100
Peru (f)	10,609,649	14,758,403	17,379,137	19,179,525	19,650,695	19,933,482
Burma	75,200	(a)	280,720	154,783	718,333	1,278,289
Formosa	(e) 17,148	(e) 20,603	32,762	6,720	40,671	40,156
Japan	2,744,452	3,964,733	4,610,031	5,177,909	6,028,489	6,040,899
Korea (South)	18,937	10,160	5,401	6,141	52,149	50,252
Philippine Republic	218,433	216,034	274,602	693,751	572,046	527,160
Saudi Arabia	81,295	124,287	109,912	111,946	150,626	61,530
Turkey	580,000	(a)	(a)	(a)	(a)	(a)
Total*	126,000,000	140,000,000	136,000,000	148,000,000	147,000,000	140,000,000
WORLD'S TOTAL* ..	156,000,000	177,000,000	173,000,000	188,000,000	191,000,000	188,000,000

*Totals exclude estimates for the U.S.S.R. for which no authentic figures are available. (In 1953 Russian production is estimated by the U.S. Bureau of Mines to have been 25,000,000 troy ounces). An allowance however, has been made for those 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 of that stated.

(e) U.S. Bureau of Mines.

(f) Figures for 1950, 1951 and 1952 include silver recovered from anode residues.

EXPORTS OF SILVER*
(Domestic Produce unless otherwise stated)
(Metal content)
(Fine troy ounces)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom (b)—						
Refined bullion ..	18,814,049	21,582,042	18,111,753	13,746,387	12,892,517	12,049,161
Unrefined bullion ..	5	—	—	—	22,881	—
Malta (b)—						
Bullion and scrap ..	—	1,300	1,400	2,000	700	—
Anglo-Egyptian Sudan (b)						
Bullion	—	1,200	900	—	—	(a)
Gold Coast—						
Bullion	40,051	43,317	52,853	44,116	44,949	48,214
Southern Rhodesia—						
Bullion	81,308	84,227	78,935	83,898	85,506	79,442
Tanganyika—						
Concentrates	—	20,585	77,273	135,212	223,780	169,638
Refined bullion ..	27,631	31,014	36,271	35,900	41,234	42,156
Uganda—						
Bullion	42	35	14	14	55	85
Union of South Africa—						
Bullion	1,102,479	506,959	248	—	—	—
British West Indies (b)—						
Trinidad and Tobago—						
Bullion	(a)	40,000	—	—	60	—
Canada—						
Ore, concentrates, etc.	4,054,614	3,494,107	2,413,288	3,546,448	5,686,518	8,672,340
Bullion	6,211,912	8,355,183	16,183,364	14,928,515	14,632,914	14,467,015
Hong Kong (b)—						
Bullion	(a)	5,021,000	2,139,000	1,980,000	1,280,000	585,000
Malaya (b)—						
Bullion	(a)	354,300	215,600	1,204,400	1,600,200	1,151,500
Australia—						
Ores and concentrates ..	640,000	1,390,000	1,400,000	1,324,843	2,204,790	1,943,150
Silver-lead bullion ..	2,905,518	2,623,698	2,446,983	2,264,284	3,382,302	2,908,945
Bullion, refined ..	4,555,738	7,488,141	7,180,541	5,954,090	5,162,656	7,417,610
do. unrefined ..							13,500
Fiji—						
Bullion	32,481	29,065	31,408	22,035	14,677	17,794
New Guinea (c)—						
Bullion	38,691	36,326	38,639	53,429	64,420	50,919
New Zealand						
Concentrates	—	2,117	—	843	3,016	22,153
Scrap, sweepings, etc. . .	3,918	12,630	2,106	84	—	(a)
Beaten, rolled or drawn (d)	85,721	93,000	2,000	750	31,000	20,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U. (b)—						
Bullion and scrap ..	(a)	(a)	(a)	(a)	(a)	3,495,000
Beaten, rolled or drawn						
Denmark (b)—						
Bullion	61,000	56,000	47,000	57,000	39,000	43,500
Beaten, rolled or drawn	1,453,000	5,000	2,400	1,400	2,000	—

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

(a) Information not available.

(b) Including foreign produce.

(c) Years ended June 30 of that stated.

(d) Gross weight.

EXPORTS OF SILVER (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France—						
Bullion	1,810,000	995,000	411,000	272,000	52,000	64,000
Beaten, rolled or drawn	135,000	201,000	193,000	169,000	191,000	299,000
Germany (b)—						
Bullion	(a)	(a)	(a)	(f)2,820,000	6,522,000	8,413,000
Italy—						
Bullion, etc (c)	16,000	3,600	19,000	79,000	4,000	10,000
Netherlands (b)—						
Bullion and scrap	(a)	256,000	6,912,000	789,000	1,081,000	10,023,000
Sweden—						
Bullion	135,000	250,000	233,000	174,000	495,000	560,000
Switzerland (b)—						
Bullion	560,000	551,000	112,000	13,700	421,200	303,000
Belgian Congo—						
Bullion	(a)	(a)	29,400	30,700	172,000	37,000
Morocco (French)—						
Bullion	(a)	(a)	(a)	299,000	(a)	(a)
Honduras (d)—						
Bullion	3,944,459	3,417,887	2,812,578	2,702,424	3,622,906	(a)
Cuba (e)—						
Bullion, etc.	157,411	221,779	172,318	163,211	(a)	(a)
Mexico—						
Bullion, etc.	44,900,000	42,700,000	29,000,000	24,000,000	36,930,000	42,356,000
Nicaragua—						
Concentrates (e)	109,100	133,300	141,764	137,309	(a)	(a)
Salvador—						
Bullion	286,000	411,000	354,000	354,000	(a)	(a)
United States—						
Ore and base bullion ..	(a)	(a)	65	(a)	(a)	(a)
Refined bullion	3,006,741	4,598,285	6,393,925	2,004,933	(a)	(a)
Bolivia—						
Ores, etc.	6,637,000	6,548,110	7,164,118	7,065,608	6,787,440	6,624,950
Chile—						
Ores	332,441	(a)	473,195	820,176	1,197,740	(a)
Peru—						
Ores, concentrates, etc.	3,678,000	4,500,000	6,807,000	7,141,000	7,185,000	8,918,000
Bullion	5,530,000	7,200,000	6,754,000	9,084,000	6,978,000	10,273,000
Philippine Republic—						
Concentrates	520,000	(a)	—	24,700	69,134	39,268
Bullion	523,000	—	7,000	74,000	—	—

(a) Information not available.

(b) Including foreign produce.

(c) Gross weight.

(d) Years ended June 30 of year stated.

(e) Imports into the United States from the country stated.

(f) April to December only.

TOTAL IMPORTS OF SILVER*

(Metal content)

(Fine troy ounces)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ores	(a)	3,075,000	2,805,000	3,668,000	3,603,000	3,467,000
Unrefined bullion ..	1,906,000	2,601,654	1,590,915	1,840,268	2,068,943	951,933
Refined bullion ..	12,965,000	7,287,943	10,191,575	8,381,916	31,656,236	22,167,632
Malta—						
Bullion	(a)	1,900	3,700	3,200	5,800	3,400
Anglo-Egyptian Sudan—						
Bullion	(a)	320	30	20,600	6,600	(a)
Gold Coast—						
Bullion	31,528	28,870	59,954	148,277	115,625	104,123
Kenya and Uganda—						
Bullion	(a)	700	300	200	300	—
Nigeria—						
Bullion	16,816	6,601	47,575	4,574	—	3,000
Sierra Leone—						
Bullion	—	381	1,251	2,633	3,443	(a)
Union of South Africa—						
Bullion	240,303	25,302	782,076	20,967	—	(a)
Zanzibar—						
Bullion	(a)	—	50	—	—	—
Canada—						
Bullion	1,332,713	341,605	1,050,299	145,898	287,497	60,165
British Guiana—						
Bullion	—	—	90	40	—	800
British West Indies—						
Jamaica—						
Bullion	(a)	1,200	600	600	—	(a)
Trinidad and Tobago—						
Bullion	(a)	100	40	6,800	—	—
Ceylon—						
Bullion	(a)	23,000	37,000	40,000	50,000	1,200
Cyprus—						
Bullion	(a)	2,800	4,800	3,300	4,600	1,300
Hong Kong—						
Bullion	(a)	1,055,000	893,000	1,027,000	336,000	110,000
India—						
Bullion	100,921	112,207	135,395	107,762	201,083	—
Malaya—						
Bullion	(a)	1,800	5,400	200	800	300
Sarawak—						
Bullion	(a)	5,200	2,900	900	40	17,000
Australia—						
Matte (b)	—	—	—	1,200	—	(a)
Bullion	30,081	74,688	79,186	123,240	63,123	103,518
Fiji—						
Bullion	125	119	233	—	130	280
New Zealand—						
Bullion	400	121	674	315	17,613	59,205
Beaten, rolled drawn ..	(a)	7,400	5,800	630	1,000	1,600
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bullion and scrap ..	(a)	(a)	4,557,000	(a)	1,511,000	3,000,000
Beaten, rolled or drawn }						

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

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF SILVER (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Denmark—						
Bullion	1,189,000	1,260,000	836,000	1,065,000	1,318,000	1,160,000
Beaten, rolled or drawn	577,000	688,000	1,032,000	849,000	977,000	1,009,000
Finland—						
Bullion, etc.	(b) 46,000	112,000	1,360,000	202,000	3,100	430,000
France—						
Bullion	2,299,000	1,452,000	2,927,000	2,529,000	4,195,000	3,735,000
Beaten, rolled or drawn	43,100	145,200	60,000	57,000	43,500	91,000
Germany—						
Bullion	(a)	(a)	(a)	(c) 7,334,000	2,506,000	15,039,000
Italy—						
Bullion, etc. (b)	1,213,000	631,000	1,433,000	2,905,000	4,902,000	8,075,000
Netherlands—						
Bullion and scrap	(a)	1,528,000	(b) 1,247,000	1,211,000	1,732,000	1,704,000
Norway—						
Bullion	(a)	(a)	(a)	(a)	957,000	992,000
Beaten, rolled or drawn	600,000	700,000	577,000	906,000	785,000	1,015,000
Sweden—						
Bullion	2,300,000	3,800,000	1,800,000	1,124,000	2,499,000	4,527,000
Switzerland—						
Bullion	750,000	1,020,000	3,110,000	1,950,000	2,938,000	5,800,000
Algeria—						
Bullion and scrap	(a)	(a)	32,000	73,000	46,000	47,000
Beaten, rolled or drawn	69,000	63,000	76,000	130,000	114,000	136,000
Egypt—						
Bullion and scrap	880,000	(a)	(a)	13,500	5,600	7,000
Guatemala—						
Bullion	23,000	82,000	—	82,000	(a)	(a)
United States—						
Ore and base bullion	31,997,848	33,898,797	29,020,568	30,779,137	(a)	(a)
Refined bullion	63,793,953	74,150,114	51,990,826	44,737,809	(a)	(a)
Brazil—						
Bullion	(b) 626,000	(a)	1,215,000	320,000	341,000	1,106,000
Colombia—						
Bullion	(a)	(a)	40,000	211,000	(b) 186,000	(b) 487,000
Turkey—						
Bullion, etc.	(a)	(a)	7,600	112,000	72,000	24,000

(a) Information not available.

(b) Gross weight.

(c) April to December only.

STRONTIUM MINERALS
PRODUCTION OF STRONTIUM MINERALS
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Celestite	4,794	6,653	16,350	8,100	2,965	2,100
Pakistan—						
Celestite	(a)	(a)	136	431	820	349
FOREIGN COUNTRIES						
Italy—						
Celestite	(a)	(a)	—	25	(a)	(a)
Tunis—						
Celestite	—	—	(c) 171	—	—	—
Strontianite	—	148	399	30	—	—
Mexico (b)—						
Celestite	1,142	1,707	1,932	1,178	2,209	1,723

Strontianite is also produced in Germany.

(a) Information not available.

(b) Exports.

(c) Revised.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Celestite (b)	4,378	5,942	10,689	7,286	3,940	1,236
FOREIGN COUNTRIES						
France—						
Strontianite	11	3	10	—	—	2
Oxide	—	—	6	6	1	—
Germany (Federal)—						
Strontianite and						
witherite	20	18	(c) 49	—	—	—
Strontium compounds	—	11	15	—	—	—
Italy—						
Strontianite and celestite	(a)	(d) 159	962	1	42	—
Spain—						
Celestite (b)	2,913	—	—	—	—	—
Tunis—						
Strontianite	147	(a)	428	(a)	—	—
Celestite	—	(a)	70	(a)	—	—
Mexico—						
Celestite	1,142	1,707	1,932	1,178	2,209	1,723

(a) Information not available.

(b) Imports into the United States from the country stated. In the case of Spain this was probably from stocks produced during the war years.

(c) January to September only.

(d) July to December only.

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
New Zealand— Strontium compounds	(£NZ307)	(£NZ528)	(£NZ54)	(£NZ398)	(£NZ138)	22
FOREIGN COUNTRIES						
France—						
Celestite	—	—	111	483	60	60
Strontianite	145	147	354	129	—	—
United States—						
Strontianite and celestite	8,379	7,706	12,539	8,497	6,158	2,938
Strontium compounds	20	16	—	(a)	7	3
Turkey—						
Strontium compounds	1	—	1	1	1	1

(a) Information not available.

SULPHUR
PRODUCTION OF SULPHUR*
(Long tons)

Producing Country and Description	Estimated Sulphur Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES												
United Kingdom—												
Spent oxide (b) ..	218,300	244,000	304,804	238,075	305,000	297,000	104,800	117,100	146,300	114,300	146,400	143,600
Anhydrite ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	216,300	232,400	242,000	233,500
Other (f) ..	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5,400	14,900	25,700	40,800
Canada—												
Smelter gas ..	(a)	(a)	(a)	(a)	(a)	(a)	128,830	134,540	139,667	143,346	137,428	197,542
Hydrogen sulphide (d) ..	—	—	—	(a)	(a)	(a)	—	—	—	7,974	16,337	16,029
Australia—												
Sulphur recoverable from zinc concentrates ..	(a)	(a)	(a)	(a)	(a)	(a)	100,009	107,900	99,900	105,800	120,700	130,500
Spent oxide ..	(a)	12,000	12,000	12,000	13,579	(a)	4,000	5,270	4,717	4,211	5,432	4,680
New Zealand ..	—	—	—	486	—	—	—	—	—	(a)	—	—
FOREIGN COUNTRIES												
France—												
Sulphur rock ..	115,784	140,245	265,636	378,664	301,375	—	9,587	5,571	10,905	17,871	10,600	—
Greece—												
Sulphur rock ..	(a)	(a)	(a)	—	10,152	(b) 13,000	(a)	(a)	(a)	—	1,200	1,600
Italy—												
Sulphur rock ..	1,520,588	1,717,018	1,707,806	1,846,692	1,830,954	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Crude sulphur (e)—												
Fused ..	185,566	209,766	197,382	232,705	219,538	200,214	(a)	(a)	(a)	(a)	(a)	(a)
Ground ..	19,213	16,383	22,120	21,482	16,940	22,803	(a)	(a)	(a)	(a)	(a)	(a)
Norway—												
Sulphur recovered from pyrites ..	79,901	94,671	96,854	103,133	101,703	99,806	79,892	94,387	96,563	102,824	101,672	99,056
Portugal—												
Sulphur recovered from pyrites ..	10,706	14,202	13,903	15,510	16,697	16,099	10,566	14,032	13,722	15,308	16,480	15,890

* See also Pyrites (page 282).

(a) Information not available.

(b) Estimated.

(c) Consumed by the sulphuric acid industry.

(e) Derived from sulphur rock above.

(f) Including sulphur recovered from petroleum refineries.

PRODUCTION OF SULPHUR (cont.)

Producing Country and Description	Estimated Sulphur Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)												
Spain—												
Sulphur rock ..	37,679	50,277	49,846	35,795	37,849	59,855	10,000	12,600	13,500	9,600	10,600	16,800
Refined sulphur (e) ..	32,985	40,112	42,243	51,859	40,224	40,793	(a)	(a)	(a)	(a)	(a)	(a)
Sweden—												
Sulphur ..	11,769	14,406	14,796	17,781	23,702	27,425	(a)	(a)	(a)	(a)	(a)	(a)
Egypt (f) ..	(a)	(a)	(a)	3,073	3,266	3,736	(a)	(a)	(a)	(a)	(a)	(a)
Mexico—												
Mined (g) ..	9,600	9,600	10,904	11,784	6,000	62,000	(a)	(a)	(a)	(a)	(a)	(a)
Refined sulphur (f) ..	—	—	19,444	36,504	27,591	32,000	—	—	(a)	(a)	(a)	(a)
United States—												
Crude sulphur (g) ..	4,745,014	5,192,184	5,278,249	5,293,145	5,224,202	5,515,543	4,745,014	5,192,184	5,278,249	5,293,145	5,224,202	5,515,543
Sulphur ore (h) ..	5,678	3,327	3,945	8,536	151,819	(a)	2,092	1,072	1,365	2,197	38,257	(a)
Smelter gas (b) ..	(a)	661,529	736,872	774,177	775,969	(a)	167,000	216,000	240,800	253,100	253,000	306,000
By-product sulphur (c) ..	(a)	146,183	187,109	254,287	344,020	(a)	56,781	142,475	184,013	251,198	341,660	340,486
Hydrogen sulphide (c) ..	(a)	46,977	70,257	77,307	92,787	(a)	37,935	41,963	59,613	66,512	80,167	55,000
Argentina—												
Refined sulphur ..	10,500	7,662	7,560	15,000	16,000	17,000	(a)	(a)	(a)	(a)	(a)	(a)
Bolivia (exports)—												
Refined sulphur ..	4,398	4,307	7,638	5,497	2,458	2,566	4,398	4,307	8,956	5,497	2,458	2,566
Chile—												
Refined sulphur ..	(a)	(a)	29,820	47,821	32,275	39,075	7,599	22,065	29,672	47,582	32,114	38,880
Colombia—												
Refined sulphur ..	—	1,461	2,274	2,566	2,660	5,100	—	(a)	(a)	(a)	(a)	(a)
Ecuador—												
Sulphur ..	16	27	1	2,600	1,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Peru—												
Crude ..	—	—	2,018	—	(a)	(a)	—	—	1,211	—	404	(a)
Refined sulphur ..	87	2,111	1,040	5,066	4,516	(a)	87	2,100	1,035	5,041	4,493	(a)
Formosa—												
Refined sulphur ..	(a)	72	2,732	5,001	3,423	5,873	(a)	(a)	(a)	(a)	(a)	(a)
Iran—												
Sulphur (d) ..	1,500	1,500	1,500	1,500	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Japan—												
Refined sulphur ..	61,493	91,960	140,181	176,651	186,555	184,200	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—												
Refined sulphur ..	2,995	6,502	7,273	8,248	9,693	9,837	2,992	6,495	7,266	8,240	9,683	9,827

Sulphur is also produced in U.S.S.R. and Manchuria.

(b) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, recovered as sulphuric acid.

(c) Derived partly from sulphur rock above but in the main recovered from pyrites.

(a) Information not available.

(c) Produced in treatment of industrial gases.

(d) Estimated.

(f) Recovered from natural gas.

(g) Frasch-process mines.

(h) Other mines.

(i) Recovered from petroleum refineries.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	2,617	6,057	430	1,162	1,181	2,109
Union of South Africa ..	46	27	25	98	62	(a)
Canada	—	58	39	—	4,136	2,981
Trinidad	(a)	(a)	(a)	—	831	1,013
Hong Kong (re-exports)	2,648	5,065	638	92	—	—
Malaya (including re-exports) ..	85	54	16	13	4	7
Australia—						
Zinc concentrates (S content) (b) ..	40,500	47,500	42,100	61,600	63,500	71,900
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U... ..	1,847	2,740	4,741	2,761	3,356	3,436
France—						
Rock	93	40	308	470	28	25
Crude	1,764	916	2,618	3,632	1,774	5,910
Unrefined ground ..	1,718	1,405	3,277	1,512	644	600
Refined lump	12,937	10,005	10,796	3,446	2,423	5,680
Flowers of sulphur ..	317	57	313	248	85	12
Precipitated sulphur ..	321	6	8	20	2	2
Germany (Federal)	30	7,127	1,323	8,580	18,315	15,707
Italy—						
Crude			78,957	50,747	6,832	747
Refined	71,938	235,934	26,585	27,011	5,397	7,463
Flowers of sulphur ..			374	345	262	345
Precipitated sulphur ..			6	20	10	—
Norway	61,356	74,959	69,062	60,655	64,836	97,692
Portugal	208	59	6,685	2,660	480	651
Spain—						
Crude	—	—	1,364	1,025	—	(a)
Refined	2,301	1,331	4,340	991	3	(a)
Sweden	29	112	157	375	4,488	4,296
Algeria—						
Rock	1	—	9	—	—	—
Refined and flowers of sulphur	1	1	—	—	5	—
Mexico	325	631	6,844	8,940	4,462	49
United States—						
Crude	1,443,540	1,440,996	1,283,073	1,304,154	1,241,536	1,647,011
Refined and flowers of sulphur ..	30,051	37,526	24,044	34,213	29,475	30,130
Bolivia	4,398	4,307	7,638	5,497	2,458	2,566
Chile	19	3,052	12,748	29,107	42,220	19,200
Colombia	(a)	(a)	1,585	591	—	—
Peru	248	98	2,875	4,635	603	997
Iran—						
Crude	(a)	(a)	711	2,862	171	(a)
Refined	(a)	(a)	294	47	38	(a)
Japan	(a)	542	3	43,290	—	14,874
Turkey	(a)	(a)	1,104	(a)	(a)	(a)

(a) Information not available.

(b) Estimated amount recoverable.

IMPORTS OF SULPHUR

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	392,012	438,551	377,220	407,139	196,736	374,618
Malta—						
Crude	(a)	(a)	(a)	(a)	(a)	69
Flowers of sulphur ..	(£1,857)	(£6,259)	215	36	159	(£4,718)
Kenya	129	526	(b) 204	310	59	40
Mauritius	5	(b) 32	—	5	—	25
Northern Rhodesia ..	2	2	2	1	1	(c)
South West Africa ..	45	9	11	76	(a)	(a)
Southern Rhodesia ..	15	17	17	14	28	(d)
Tanganyika	—	—	—	76	36	18
Uganda	214	450	208	198	326	117
Union of South Africa ..	61,438	67,246	59,503	72,558	71,479	66,358
British Guiana	1	7	8	3	(b)	1
Canada	250,497	348,511	353,404	370,668	320,629	276,899
Trinidad and Tobago ..	(a)	(a)	1,387	416	13	19
Ceylon	380	71	382	4,077	2,454	3,593
Cyprus	1,222	118	1,188	1,051	2,038	518
Hong Kong (total imports) ..	3,003	10,026	33	10	—	1,098
India (total imports) ..	39,426	56,488	38,507	65,776	51,884	65,664
Malaya (total imports) ..	225	529	180	150	120	255
Pakistan (e)	(a)	(a)	318	500	569	1,186
Australia	144,037	191,790	99,382	111,404	146,281	187,916
New Zealand	64,854	62,499	73,759	79,245	87,399	133,219
Irish Republic	232	284	238	284	183	192
FOREIGN COUNTRIES						
Austria	17,829	30,713	18,911	20,845	18,894	30,848
Belgium-Luxembourg ..						
E.U.	87,241	62,444	59,211	40,158	30,246	50,227
Denmark	802	1,182	785	573	85	20
Finland (total imports) ..	19,264	22,281	35,936	27,215	20,417	42,119
France—						
Rock	34	13	2,382	—	—	—
Crude	162,460	143,230	119,814	116,440	101,799	212,719
Unrefined ground ..	1	11	32	—	43	1,093
Refined lump	9	—	—	1,969	4,728	1
Flowers of sulphur ..	200	21	—	20	20	3,190
Precipitated	9	9	7	25	10	6
Germany (Federal) ..	24,196	30,457	20,231	32,934	14,556	36,287
Greece	2,766	16,555	11,808	7,875	10,769	9,392
Netherlands	4,078	2,653	3,274	1,776	836	855
Norway	71	183	69	74	146	197
Portugal—						
Crude	200	200	195	—	4,429	—
Flowers of sulphur ..	64	52	2	10	40	130
Other sulphur	20	7	6	8	20	41

(a) Information not available.

(b) Excess of re-exports.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

(e) Years ended March 31 following that stated.

IMPORTS OF SULPHUR (cont.).

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Spain—						
Crude	2,399	11,522	2,801	14	3,937	(a)
Refined	3,536	30	50	44	12	(a)
Sweden	49,919	52,206	60,263	40,220	33,511	42,187
Switzerland—						
Crude and ground ..	8,685	27,579	16,280	19,647	22,593	66,775
Flowers of sulphur ..	177	270	329	244	122	219
Yugoslavia	(a)	4,351	2,397	5,353	(a)	5,799
Algeria—						
Rock	2	34	42	229	20	—
Crude	18,809	14,969	16,073	18,694	14,160	15,826
Unrefined, ground ..	1,006	925	2,409	1,207	486	275
Refined	7,085	2,291	5,109	915	489	754
Flowers of sulphur ..	251	34	182	177	28	3
Precipitated	48	2	5	15	—	—
Belgian Congo	(a)	90	109	254	220	107
Egypt	4,716	9,281	5,034	4,768	5,721	4,563
Morocco (French)—						
Crude	4,848	4,500	3,105	3,842	8,146	(a)
Refined	1,250	2,301	2,018	1,090	1,641	(a)
Mozambique	278	612	1,025	159	472	(a)
Tunis—						
Crude and unrefined ..	1,718	4,523	11,434	(a)	10,577	17,027
Refined and flowers of sulphur	16	26	216	(a)	83	381
Costa Rica	(a)	81	(a)	(a)	(a)	(a)
Cuba (total imports) ..	5,679	14,027	8,352	(a)	(a)	(a)
Guatemala	113	124	113	92	(a)	(a)
Mexico	7,045	11,227	10,478	5,978	7,384	5,632
Nicaragua	(a)	70	63	135	161	(a)
Salvador	26	34	44	191	100	88
United States	32	25	2,376	4,863	1,229	1,214
Argentina—						
Crude	26,900	22,684	10,999	23,017	31,331	1,333
Refined and flowers of sulphur	77	8	(a)	75	52	98
Brazil (total imports) ..	44,572	66,704	58,597	79,709	62,389	90,384
Colombia	669	2,042	1,375	279	660	431
Ecuador	204	204	(a)	(a)	(a)	(a)
Peru	830	630	636	2,671	2,836	5,918
Uruguay	4,548	14	1,393	3,771	2,567	5,005
Venezuela	124	134	(a)	295	1,245	(a)
Indonesia	(a)	4,920	7,120	10,098	5,830	6,013
Israel	3,608	2,138	2,521	7,033	4,047	3,384
Lebanon	739	636	540	(a)	(a)	(a)
Syria		398	299	(a)	(a)	(a)
Philippine Republic ..		51	52	68	122	12,443	3,715
Turkey—						
Refined and flowers of sulphur	2,247	130	—	109	74	106

(a) Information not available.

TALC
PRODUCTION OF TALC
(Including Steatite and Pyrophyllite)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	3,000	1,700	2,500	2,586	3,940	3,970
Kenya (b)	83	10	—	—	—	—
Southern Rhodesia	—	—	—	—	5	2
Union of South Africa	5,301	3,915	5,573	8,537	7,120	7,120
Canada (shipments)	24,038	29,111	22,184	22,350	24,471	25,128
India	21,195	25,485	33,647	20,772	29,135	42,326
Australia—						
Talc	8,029	9,047	12,596	7,320	9,806	12,940
Pyrophyllite	550	648	552	285	129	184
FOREIGN COUNTRIES						
Austria	55,165	57,754	71,634	50,096	50,426	60,991
France	98,475	86,035	101,615	107,914	(d) 107,800	116,800
Germany (Federal)	8,707	13,104	18,886	10,485	10,766	13,602
Greece	1,673	2,500	2,584	1,200	—	—
Italy	60,491	66,548	74,796	79,067	81,293	83,910
Norway	53,447	63,081	75,271	63,062	60,579	70,357
Portugal	3	2	1	6	16	5
Spain	20,551	13,486	22,271	18,121	18,500	14,598
Sweden	11,115	11,784	11,454	7,607	8,048	12,273
Egypt	5,485	3,675	3,698	4,527	2,240	2,520
United States—						
Talc	328,950	446,321	464,665	424,475	455,340	415,521
Pyrophyllite	81,179	104,286	107,171	112,050	108,515	113,127
Argentina	10,690	(a)	(e) 15,000	(e) 16,000	(a)	(a)
Brazil	17,501	12,432	11,125	19,164	20,952	(a)
Chile	108	140	25	(a)	(a)	(a)
Peru	(a)	(a)	129	122	—	(a)
Uruguay	650	670	944	668	605	1,042
Afghanistan	(a)	(a)	830	790	600	640
Formosa	(a)	(a)	2,025	1,076	1,736	6,956
Japan—						
Talc	12,385	12,200	12,011	10,401	14,198	14,562
Pyrophyllite	245,609	265,901	382,288	302,956	309,188	202,194
Korea (South) (f)	7,601	7,367	3,157	3,901	8,463	8,195
TOTAL*	1,073,000	1,240,000	1,460,000	1,296,000	1,360,000	1,270,000

* Excluding talc known to have been 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):
1949—497; 1950—318; 1951—332; 1952—231; 1953—155; 1954—99.

(c) Pyrophyllite.

(d) Revised.

(e) Estimated.

(f) In addition 15,629 tons and 10,524 tons of Pyrophyllite were produced in 1953 and 1954 respectively.

EXPORTS OF TALC

(Domestic Produce)

(Long tons)

Exporting Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Canada	3,770	3,989	3,342	3,067	2,623	3,222
India	2,802	4,188	5,344	4,060	7,384	6,361
Malaya (re-exports)	508	613	651	539	(a)	244
Australia	11	—	22	1	4	(b) 5
FOREIGN COUNTRIES						
Austria	22,720	27,150	34,984	30,442	32,589	44,109
Belgium-Luxemburg						
E.U.	36	33	120	83	48	62
France	21,053	30,115	35,081	23,115	24,278	28,644
Germany (Federal)	43	169	424	938	306	746
Greece	128	1,771	(a)	(a)	(a)	(a)
Italy	23,489	27,055	32,021	26,117	32,623	30,216
Norway	35,317	44,274	50,562	39,680	39,895	50,182
Egypt	1,819	918	2,739	2,005	934	(a)
United States	14,143	18,432	20,449	20,498	20,599	20,846
Korea (South)	(a)	4,331	2,018	4,570	5,947	(a)

(a) Information not available.

(b) January to June only.

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

Importing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Unground	1,271	513	1,135	1,200	956	599
Ground	23,367	27,028	34,944	26,308	28,767	33,343
Canada	6,490	7,990	8,289	7,810	10,580	11,064
Ceylon	(a)	(a)	(a)	(a)	296	444
Cyprus	37	30	21	15	(a)	(a)
Malaya (total imports) ..	573	430	558	504	(a)	1,901
Australia	370	286	359	72	164	(b) 152
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	4,936	6,165	8,234	8,025	7,598	7,556
Denmark	5,858	6,842	7,979	6,297	6,962	8,393
Finland (total imports)	3,218	3,810	5,048	3,019	1,221	2,568
France	357	725	1,938	924	1,819	2,202
Germany (Federal) ..	11,755	17,434	18,583	21,099	23,673	29,776
Italy	2	(a)	5	125	291	693
Netherlands	9,629	12,049	11,582	9,581	10,586	10,906
Portugal	431	622	553	381	554	627
Sweden	1,981	1,044	1,845	2,572	1,511	1,821
Yugoslavia	(a)	123	93	73	101	166
Algeria	823	950	1,546	1,689	1,718	1,716
Belgian Congo	(a)	66	152	179	148	268
Egypt	191	876	2,499	329	294	202
Morocco (French) ..	226	373	(a)	374	993	(a)
Tunis	323	(a)	264	(a)	310	480
Mexico	837	932	1,230	1,719	942	1,165
Panama Republic ..	93	187	(a)	21	95	(a)
United States	16,800	20,872	18,430	18,127	20,360	19,784
Argentina	10	30	(a)	36	—	—
Brazil	31	(a)	15	—	—	14
Chile	9	58	56	34	(a)	(a)
Colombia	169	169	646	293	480	610
Peru	262	172	376	386	406	304
Venezuela	254	1,033	(a)	494	499	(a)
Japan	886	2,304	4,509	6,641	13,082	10,777
Philippine Republic ..	200	873	1,297	775	714	1,365
Lebanon	} 195	{ 112	104	(a)	(a)	(a)
Syria			88	(a)	(a)	(a)
Turkey			70	(a)	160	224
			117	99		

(a) Information not available.

(b) January to June only.

TANTALUM AND NIOBIUM MINERALS
PRODUCTION OF TANTALUM AND NIOBIUM MINERALS
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Nigeria—						
Tantalite	2	1	3	1	—	10
Columbite	888	864	1,078	1,293	1,959	2,914
Sierra Leone—						
Columbite	—	—	—	—	—	5
Southern Rhodesia—						
Tantalum concentrates	5	1	—	4	13	6
Columbite	—	—	—	1	3	8
South West Africa—						
Tantalite and columbite	3	6	2	2	8	12
Uganda—						
Tantalite	—	—	—	5 (3,248lbs.)	13	10
Columbite	3	3	6			
Tin-columbite	—	(1,210lbs.)	(336lbs.)			
Union of South Africa—						
Tantalite	—	2	3	4	17	21
British Guiana—						
Columbite	—	—	—	—	5	2
Malaya—						
Columbite	—	8	25	47	52	111
Australia—						
Tantalite and columbite	2	7	2	7	8	53
FOREIGN COUNTRIES						
Norway—						
Niobium concentrates	—	—	—	—	(c) 555	(c) 175
Portugal—						
Tantalite and columbite	—	—	—	—	137	82
Belgian Congo (b)—						
Tantalite and columbite concentrates	114	133	94	103	279	432
Tin-tantalite-columbite	867	1,086	1,159	1,256	1,596	2,664
French Equatorial Africa—						
Tantalite and columbite	6	2	—	2	2	3
Madagascar—						
Columbite	—	—	4	3	4	16
Mozambique—						
Columbite	(570lbs.)	5	5	15	26	42
United States—						
Tantalite	(1,020lbs.)	(1,000lbs.)	(925lbs.)	—	7	21
Columbite						
Bolivia (exports)—						
Columbite	—	—	—	—	3	(a)
Brazil (exports)—						
Tantalite	41	(a)	4	24	18	48
Columbite	12	(a)	5	2	30	119
French Guiana—						
Tantalite and columbite	(a)	(a)	(a)	(a)	6	14

(a) Information not available.

(b) In addition exports of tantaliferous slag were as follows (long tons): 1950—782; 1951—6,699; 1952—834; 1953—72; 1954—2,693.

(c) 5% Nb₂O₅ in 1953; 50% Nb₂O₅ in 1954.

EXPORTS OF TANTALUM AND NIOBIUM MINERALS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Nigeria—						
Tantalite	—	3	2	1	—	5
Columbite	945	916	1,092	1,228	1,855	2,524
South West Africa—						
Tantalite	1	4	3	4	6	16
Southern Rhodesia—						
Columbite	—	—	—	—	4	6
Tantalum concentrates	4	4	—	5	17	5
Uganda—						
Tantalite and columbite	2	5	5	4	11	14
Union of South Africa—						
Tantalite	—	2	3	—	11	7
British Guiana—						
Columbite	—	—	—	—	5	—
Malaya—						
Columbite	—	(a)	(a)	55	20	113
Australia—						
Tantalite and columbite	1	6	4	2	38	39
FOREIGN COUNTRIES						
Portugal—						
Tantalite and columbite	(a)	(a)	(a)	(a)	108	83
Belgian Congo—						
Tantalite and columbite	193	488	234	212	360	529
Tantaliferous slag ..	—	782	6,699	824	626	2,693
French Equatorial Africa—						
Tantalite and columbite	6	2	—	(a)	(a)	(a)
Madagascar—						
Columbite	—	—	—	2	5	6
United States—						
Tantalite	1	—	(41lbs.)	(1,058lbs.)	9	—
Columbite	8	49	—	—	—	(192lbs.)
Bolivia—						
Columbite	—	—	—	—	3	(a)
Brazil—						
Tantalite	41	(a)	4	24	18	48
Columbite	12	(a)	5	2	30	119

Niobium concentrates were exported from Norway but figures are not separately recorded.

(a) Information not available.

IMPORTS OF TANTALUM AND NIOBIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Tantalite and columbite	387	586	538	577	344	272
Tantalum powder, sheet, etc.	(131lbs.)	(187lbs.)	(377lbs.)	(184lbs.)	(373lbs.)	(494lbs.)
FOREIGN COUNTRIES						
United States—						
Tantalite	61	147	106	147	336	437
Columbite	695	771	681	838	1,872	3,024

(a) Information not available.

TIN
PRODUCTION OF TIN ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	898	889	837	918	938	920
Nigeria	8,825	8,258	8,539	8,303	8,228	7,926
Northern Rhodesia	7	4	2	11	7	1
Southern Rhodesia	74	66	59	36	29	14
South West Africa	119	90	75	(b) 96	(b) 165	(b) 367
Swaziland	32	37	32	36	36	31
Tanganyika	109	94	61	44	48	37
Uganda	174	139	120	107	90	83
Union of South Africa	471	643	761	935	1,361	1,315
Canada	276	355	155	95	287	149
Malaya	54,910	57,537	57,167	56,838	56,254	60,690
Australia	1,882	1,855	1,577	1,643	1,553	2,075
TOTAL	67,777	69,967	69,385	69,062	68,996	73,608
FOREIGN COUNTRIES						
France	73	81	93	282	493	551
Germany (Eastern)	157	191	257	395	563	654
Portugal	1,039	947	1,211	1,462	1,367	1,212
Spain	454	633	940	733	795	654
Belgian Congo	13,774	13,610	13,729	13,806	15,293	15,084
Cameroon (French)	72	66	72	86	86	82
Egypt	—	—	5	6	—	5
French West Africa	26	50	18	112	92	67
Morocco (French)	—	—	13	15	9	5
Mozambique	1	1	8	4	—	—
Mexico	358	440	366	413	476	349
United States	68	94	88	100	56	205
Argentina	268	267	242	265	158	(b) 165
Bolivia (c)	34,115	31,213	33,132	31,959	34,825	28,849
Brazil	206	180	197	229	209	(b) 180
Peru	51	38	3	31	—	—
Burma	1,781	1,520	1,624	1,103	1,361	(b) 948
China (smelter) (b)	4,200	4,000	4,800	5,400	6,300	7,500
French Indo-China	40	60	92	157	280	110
Indonesia	29,033	32,102	30,986	35,002	33,750	35,861
Japan	190	326	433	639	737	716
Siam	7,815	10,366	9,503	9,479	10,126	9,776
Total	93,700	97,200	97,800	101,900	107,000	103,000
WORLD'S TOTAL (excl. U.S.S.R.)	161,500	167,200	167,200	171,000	176,200	176,600

(a) Information not available.

(b) Estimated.

(c) Content of ore plus metal exported.

SMELTER PRODUCTION OF TIN
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	28,384	28,500	27,650	29,521	28,860	27,475
Southern Rhodesia ..	75	80	63	37	27	19
Union of South Africa ..	595	718	829	694	828	752
Canada	276	355	155	95	—	—
Malaya	62,737	68,747	65,914	62,830	62,410	71,163
Australia	1,955	2,014	1,459	1,699	1,443	2,063
TOTAL	93,962	100,400	96,070	94,876	93,568	101,472
FOREIGN COUNTRIES						
Belgium	8,996	9,512	8,360	10,585	9,039	11,377
Germany—						
Federal Republic ..	(b) 130	586	581	758	694	—
Eastern	157	191	257	364	(b) 480	(b) 600
Netherlands	19,247	21,027	20,977	27,913	26,950	28,442
Portugal	218	209	313	340	472	664
Spain	659	895	884	753	823	676
Belgian Congo	3,247	3,238	3,011	2,765	2,715	2,459
Mexico (b)	250	350	350	300	240	300
United States	35,834	33,118	31,852	22,805	37,562	27,407
Argentina	232	253	206	185	130	60
Bolivia (exports) ..	—	388	39	257	174	196
Brazil	157	118	133	116	553	(b) 480
China (b)	4,200	4,000	4,800	5,400	6,300	7,500
Indonesia	(a) 477	405	217	224	644	1,351
Japan	—	389	575	637	807	813
Siam	—	2	—	17	—	—
TOTAL	73,800	74,700	72,500	73,400	87,600	82,300
WORLD'S TOTAL .. (excl. U.S.S.R.)	167,800	175,100	168,600	168,300	181,200	183,800

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

	Long tons		Long tons
1949	22,233	1952	28,804
1950	31,680	1953	27,600
1951	30,745	1954	26,190

(a) Information not available.

(b) Estimated.

EXPORTS OF TIN
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Blocks, ingots, bars and slabs	4,204	15,460	4,912	12,565	13,759	8,118
Soft solder	1,362	2,053	2,618	1,828	1,768	1,971
Tin-foil	210	255	120	48	52	71
Nigeria—						
Ore	12,676	11,417	11,753	10,575	12,136	10,309
Southern Rhodesia—						
Ore and concentrates ..	—	82	—	—	22	2
Blocks, ingots and bars ..	3	5	5	2	4	(a)
South West Africa—						
Ore (b)	91	67	75	127	212	406
Tanganyika—						
Ore and concentrates ..	140	142	93	58	68	44
Uganda—						
Ore	185	260	155	159	125	126
Union of South Africa—						
Concentrates	(a)	(a)	—	69	914	1,242
Middlings	(a)	(a)	(a)	(a)	—	551
Canada—						
Concentrates (<i>Sn content</i>)	—	—	—	—	488	174
Hong Kong						
(re-exports)—						
Slabs and ingots	4,193	1,136	101	28	56	15
India—						
Blocks, ingots, bars, slabs and scrap ..	—	—	—	2,244	744	607
Malaya—						
Ore	—	9	1	—	61	160
Ingots, blocks, bars, slabs	54,783	81,805	64,956	64,119	61,752	70,280
Australia—						
Ore and concentrates ..	11	5	41	21	12	17
(<i>Sn content</i>)						
Ingots	1	—	—	631	81	92
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Crude	9,809	10,193	8,484	9,948	9,029	11,352
Scrap	63	57	68	52	49	20
Sheets, wire, etc.	—	7	4	2	—	1
Denmark—						
Crude	117	399	11	113	64	11
Scrap	—	—	10	—	1	—
France—						
Ore	—	129	300	217	147	465
Pigs, bars, etc.	77	174	172	143	196	117
do. (alloys)	265	503	320	277	338	356
Scrap	9	25	12	4	—	9
Sheets and wire	115	62	82	65	29	42
Germany (Federal)—						
Crude, scrap and alloys	371	931	302	1,111	1,789	2,292
Sheets and wire	—	26	23	2	(a)	(a)
Tin-foil	—	—	1	3	(a)	(a)

(a) Information not available.

(b) Excluding tin-tungsten ore.

EXPORTS OF TIN (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Italy—						
Ingots, bars, scrap, sheets, alloys, etc. ..	100	2	5	4	25	18
Netherlands—						
Ore	—	—	—	—	—	1
Blocks	19,248	17,847	19,383	25,432	29,277	28,441
Sheets, wire, etc. ..	(a)	2	1	—	1	5
Norway—						
Ingots and bars ..	116	152	151	189	202	196
Portugal—						
Ore	1,214	1,156	1,009	1,617	1,096	735
Bars	51	3	14	124	10	161
Spain—						
Ingots and bars ..	5	176	3	395	394	(a)
Sweden—						
Crude and scrap ..	54	5	12	15	33	87
Switzerland—						
Pigs, bars, slabs, sheets, etc.	7	36	9	26	14	14
Tin-foil	2	3	6	1	2	3
Scrap	19	133	288	171	106	167
Algeria—						
Ingots, scrap and alloys	37	34	44	7	33	20
Belgian Congo—						
Ore	13,474	15,755	13,477	15,777	20,090	14,969
Ingots	4,517	3,921	2,655	2,815	2,858	2,340
Cameroon (French)—						
Ore	143	110	102	128	59	118
French West Africa—						
Ore	—	128	93	151	169	70
Mexico—						
Ores and concentrates	94	13	2,173	621	163	20
<i>Sn content</i> (c) ..	33	5	(a)	243	262	192
United States						
Ingots, pigs, etc. ..	76	287	264	301	128	261
Scrap	9,225	2,801	5,519	6,304	5,074	8,119
Tubes, sheets, foil ..	36	27	24	15	42	30
Bolivia—						
Ores, concentrates, etc. (Sn content)	34,115	30,825	33,093	31,702	34,651	28,653
Metal	—	388	39	257	174	196
Peru—						
Bars, impure (Sn content) ..	51	45	29	34	23	2
Burma—						
Ore and concentrates (Sn content)	1,511	1,416	1,477	1,393	983	800
China—						
Ingots and slabs (b) ..	3,000	3,000	3,900	3,900	4,380	5,100
French Indo-China—						
Ore (Sn content) ..	286	259	92	(a)	(a)	(a)
Ingots and scrap ..	274	259	182	(a)	(a)	(a)
Indonesia—						
Ore (Sn content) ..	30,746	30,834	30,264	34,055	32,215	33,941
Metal	—	2	1	15	223	994
Siam—						
Ore (Sn content) ..	7,977	10,955	8,809	9,488	10,191	9,518

(a) Information not available.

(b) Estimated.

(c) As recorded in trade returns. May include the tin content of other ores exported.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	46,655	46,130	50,610	55,084	62,363	58,209
Blocks, ingots, bars and slabs	538	} 4,069	9,927	(e) 6,275	354	1,949
Soft solder	5					
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	12	8	30	7	15	18
Gold Coast—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	(a)	47
Kenya—						
Unwrought, scrap and solder	120	100	101	58	91	91
Bars, plates and sheets ..	10	—	—	—	10	—
Mauritius—						
Ingots, sheets, etc. ..	1	4	11	—	26	(a)
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	(a)	90
Southern Rhodesia—						
Blocks, ingots and bars	3	26	33	61	59	(c) 33
South West Africa—						
Bars, sheets, etc. ..	1	—	—	1	—	(a)
Tanganyika—						
Unwrought, scrap and solder	31	37	64	90	27	64
Bars, plates and sheets ..	22	5	—	—	5	—
Uganda—						
Solder	16	11	11	16	20	(d) 15
Union of South Africa—						
Blocks, ingots, bars and rods	635	773	1,224	530	183	301
Tin-foil	8	14	10	5	10	(a)
Canada—						
Blocks, pigs and bars ..	3,676	4,817	6,135	3,949	3,702	3,836
Tin-foil	3	15	4	1	7	13
Aden—						
Blocks, ingots, etc. ..	(e) 5	386	(e) 3	37	(e) 5	3
Ceylon—						
Ingots, slabs, etc. ..	6	15	33	9	5	34
Tin solder	23	26	23	23	40	37
Cyprus—						
Ingots and bars ..	1	13	6	7	10	8
Hong Kong (total imports)—						
Slabs and ingots ..	3,182	595	205	114	176	124
India—						
Blocks, ingots, bars and slabs	3,876	4,737	2,905	2,177	2,938	3,775
Malaya (b)—						
Ore	9,053	13,559	10,539	7,948	8,648	13,312
Bars, sheets, wire, etc. ..	30	28	2	—	38	356
Pakistan (f)—						
Blocks, ingots, bars and slabs	(a)	(a)	246	61	181	64
Australia—						
Ingots	270	249	2,723	180	623	571
Rods, sheets, tubes, etc. (g)	9	1	—	—	—	(a)
Leaf and foil (g) ..	164	171	90	35	4	19
New Zealand—						
Ingots, etc.	316	136	450	243	337	459

(a) Information not available.

(b) Total imports.

(c) Federation of Rhodesia and Nyasaland.

(d) Unwrought including solder.

(e) Excess of re-exports.

(f) Years ended March 31 following that stated.

(g) Years ended June 30 of that stated.

IMPORTS OF TIN (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
Irish Republic—						
Ingots, bars, slabs, etc.	63	84	79	34	56	77
Soft solder	114	131	155	36	(a)	(a)
Tin-foil	3	26	19	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and alloys ..	630	581	894	306	340	532
Belgium-Luxemburg						
E.U.—						
Ore	11,885	12,844	12,097	12,989	14,319	14,772
Crude	1,243	1,431	1,959	1,262	1,410	1,920
Scrap	1	—	—	—	—	—
Sheets, wire, etc. ..	3	—	4	—	1	—
Denmark—						
Crude	344	1,036	1,010	1,183	2,750	3,968
Scrap	—	18	107	258	496	1,161
Sheets, wire, etc. ..	3	28	44	33	51	53
Tin-foil	8	26	18	6	7	37
Finland (total imports)—						
Ingots, bars and scrap ..	418	430	719	236	275	511
Tin solder	46	123	135	49	37	78
France—						
Ore	177	—	—	—	—	—
Pigs, bars, etc. ..	4,410	5,664	9,650	6,521	6,976	8,654
do. alloyed	47	50	75	245	38	65
Scrap	85	28	54	68	38	74
Sheets and wire ..	21	5	3	—	—	1
Germany (Federal)—						
Ore	1,085	4,899	1,862	2,208	794	—
Crude and scrap ..	3,999	8,614	8,164	6,410	5,893	7,567
Sheets and wire ..	—	—	—	1	(a)	(a)
Greece	236	291	166	209	161	217
Italy—						
Ingots, bars, scrap and alloys ..	1,646	4,174	4,391	3,203	2,063	2,614
Sheets, tubes, wire and alloys ..	9	6	—	—	1	1
Netherlands—						
Ore	23,990	29,702	26,966	36,717	35,937	38,658
Blocks	462	118	2,313	6,041	5,100	3,439
Norway—						
Crude	197	441	506	395	282	309
Bars, sheets, filings, etc. ..	138	51	46	50	47	98
Portugal—						
Sheets, wire, etc. ..	—	—	1	2	1	1
Spain—						
Ingots and bars ..	178	213	372	139	56	(a)
Sweden—						
Crude	283	1,285	1,171	857	491	900
Switzerland—						
Pigs, bars and slabs ..	370	1,208	1,220	513	525	712
Sheets, wire, foil, etc. ..	2	5	4	6	6	5
U.S.S.R.—						
Blocks, ingots, etc. (b) ..	—	635	100	250	(a)	(a)
Yugoslavia—						
Ingots	(a)	378	550	316	504	385

(a) Information not available.

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

IMPORTS OF TIN (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Algeria—						
Crude, sheets and alloys, etc.	139	119	158	180	209	205
Egypt—						
Crude and scrap	263	501	664	548	227	229
Madagascar—						
Bars, sheets, etc.	85	87	30	34	47	23
Morocco (French)—						
Ingots, etc.	175	273	256	184	(a)	(a)
Mozambique—						
Bars, sheets, etc.	1	1	1	3	10	(a)
Tunis—						
Pigs, bars and sheets	27	56	27	484	104	30
Cuba (total imports)—						
Ingots	28	75	52	(a)	(a)	(a)
Bars, sheets, etc.	17	38	31	(a)	(a)	(a)
Mexico—						
Ingots	65	366	302	289	115	410
United States—						
Ore (<i>Sn content</i>)	38,311	26,027	29,628	26,491	35,973	22,410
Blocks, pigs, bars, etc.	60,224	82,916	27,784	80,452	74,538	65,641
Scrap	48	148	147	376	162	27
Argentina—						
Ingots and sheets	630	968	4,669	69	314	2,532
Brazil (total imports)—						
Ingots and bars	946	1,552	3,313	1,221	448	335
Colombia—						
Ingots, bars, sheets, etc.	32	92	56	36	36	34
Chile—						
Ore	98	116	100	74	64	103
Ingots	126	551	320	234	412	406
Bars and sheets	59	—	—	3	1	—
Peru—						
Bars, sheets, etc.	33	60	32	48	39	51
Uruguay—						
Ingots, etc.	34	163	95	49	71	(a)
Venezuela—						
Crude	57	138	86	56	105	172
Iran (total imports) (b)—						
Ingots, sheets and wire	2	13	58	108	205	(a)
Iraq—						
Crude, etc.	9	44	26	22	25	(a)
Israel—						
Ingots, blocks and slabs	49	64	44	17	54	155
Japan—						
Ingots and slabs	2,462	600	2,078	1,744	4,973	5,046
Philippine Republic—						
Ingots	19	97	143	38	93	111
Syria and Lebanon—						
Ingots and sheets	40	20	42	28	121	34
Turkey—						
Ingots, bars and sheets	566	1,093	787	624	1,133	514

(a) Information not available.

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

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Gambia (exports)—						
Ilmenite	—	—	—	—	—	1,086
Union of South Africa—						
Rutile	—	—	—	—	9	—
Canada (shipments) (b)—						
Titanium ore	482	91,045	333,737	237,912	119,506	271,741
India—						
Ilmenite	308,180	212,663	224,084	224,895	215,130	240,513
Rutile	—	36	45	147	104	104
Malaya (exports)—						
Ilmenite ("Amang")	19,718	24,915	43,493	21,698	26,570	44,745
Australia—						
Ilmenite concentrates	10,875 (c)	13,554 (c)	12,996 (c)	7,712 (c)	7,815 (c)	8,930 (c)
Rutile concentrates	13,094	18,312	35,189	38,014	38,039	44,659
FOREIGN COUNTRIES						
Finland—						
Ilmenite concentrates	—	—	—	—	3,099	49,790
Norway—						
Ilmenite	97,449	103,489	103,696	116,402	126,090	146,829
Rutile (d)	16	31	18	42	3	—
Portugal—						
Ilmenite	904	65	166	425	666	503
Tin-titanium ore	57	42	29	67	25	8
Spain—						
Ilmenite	370	627	688	1,259	1,412	1,133
Cameroon (French)—						
Rutile	396	25	106	289	52	—
Egypt—						
Ilmenite	635	256	321	1,966	1,715	221
French Equatorial Africa—						
Rutile	—	6	—	—	—	—
French West Africa—						
Ilmenite	8,206	776	3,740	4,549	5,677	11,200
Rutile	—	—	3	25	—	—
Mozambique—						
Rutile	—	—	—	—	2	(a)
United States (e)—						
Ilmenite	359,227	418,143	478,424	471,954	458,657	474,750
Rutile	10,704	(f) 7,000	(f) 6,000	(f) 6,000	6,094	6,617
Brazil (exports)—						
Rutile	—	—	—	16	—	—
Japan (g)—						
Ilmenite	(a)	(a)	(a)	3,564	3,050	(a)

(a) Information not available.

(b) Production of titanium dioxide slag (approx. 70% TiO₂) at Sorel from the titanium ore shown above was as follows (long tons): 1950—2,007; 1951—17,538; 1952—37,626; 1953—125,886; 1954—109,786.

(c) Owing to high chromium and low titanium oxide content sales were as follows (long tons): 1950—50; 1951—1,253; 1952—46; 1953—nil; 1954—469.

(d) Ore and concentrates.

(e) Production of metal (commercial titanium sponge) was as follows (long tons): 1951—442; 1952—960; 1953—2,001; 1954—4,700.

(f) Estimated.

(g) Production of metal (commercial titanium sponge) was as follows (long tons): 1952—14; 1953—69; 1954—601.

EXPORTS OF TITANIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ferro-titanium	490	568	535	519	366	304
Gambia—						
Ilmenite	—	—	—	—	—	1,086
Canada—						
Titanium ore	482	1,119	1,446	46	4,224	1,073
Titanium dioxide slag (70% TiO ₂)	—	—	7,176	34,850	129,823	106,511
Hong Kong (re-exports)—						
Titanium oxide	(a)	(a)	(a)	150	234	456
India—						
Ilmenite	266,063	240,783	243,811	173,107	160,993	185,193
Rutile sand	(a)	36	45	147	104	104
Malaya—						
Ilmenite ("Amang")	19,718	24,915	43,493	21,698	26,570	44,745
Australia—						
Rutile	11,623	15,292	35,040	37,654	36,076	44,417
Rutile-Ilmenite	194	—	980	76	93	171
Zircon-Rutile	2,964	1,564	—	—	—	—
Zircon-Rutile-Ilmenite	—	4	—	—	—	—
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Titanium white	9	144	31	20	108	196
Czechoslovakia—						
Titanium white	(a)	(a)	(a)	(a)	(a)	(a)
France—						
Titanium oxide, etc.	310	740	1,109	436	964	345
Italy—						
Titanium oxide	287	667	1,037	1,378	2,584	1,633
Norway—						
Ilmenite (b)	79,640	119,885	94,443	113,913	120,331	146,753
Rutile	26	224	14	21	7	19
Titanium white	2,527	3,247	4,080	3,381	2,335	4,488
Portugal—						
Ilmenite	297	—	(a)	100	—	541
Cameroon (French)—						
Rutile	754	568	705	190	84	204
French West Africa—						
Ilmenite	6,300	1,413	3,921	3,173	3,804	11,556
Rutile	—	—	—	5	—	(a)
United States						
Ores and concentrates	1,344	535	577	777	2,886	610
Ferro-titanium	160	152	157	290	165	153
Titanium oxide and pigments	26,447	29,161	35,037	31,818	35,518	56,948
Brazil—						
Rutile	—	—	—	16	—	—
Japan—						
Titanium sponge metal	—	—	—	7	44	422
Titanium oxide	(a)	10	567	451	350	3,367

(a) Information not available.

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

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ilmenite	69,400	94,652	78,113	102,590	93,837	145,736
Rutile	6,514	6,686	9,102	8,152	7,463	7,596
Titanium oxide ..	(a)	(a)	(a)	163	922	5,863
Canada—						
Titanium oxide, etc.	18,565	24,219	26,471	21,612	28,482	28,666
Hong Kong (total imports)—						
Titanium oxide ..	(a)	(a)	(a)	329	329	1,231
Australia—						
Ilmenite	(a)	(b) 3,800	(b) 5,200	(b) 5,000	(b) 7,500	14,054
Titanium white and oxide	1,634	2,780	1,689	1,583	4,816	4,579
New Zealand—						
Titanium white ..	822	1,201	731	1,302	1,394	2,414
FOREIGN COUNTRIES						
Austria—						
Titanium white ..	296	527	585	399	799	1,199
Belgium-Luxemburg E. U.—						
Titanium white ..	850	968	1,303	1,898	2,843	3,919
Denmark—						
Titanium white ..	(a)	(a)	(a)	(a)	(a)	1,988
Finland—						
Titanium white ..	(a)	(a)	1,791	3,135	1,654	3,436
France—						
Titanium oxide, etc. ..	1,123	2,100	1,650	2,002	1,976	3,089
Iceland—						
Titanium white ..	182	103	—	143	235	(a)
Italy—						
Titanium minerals ..	(a)	(a)	(a)	(a)	19,176	(a)
Ferro-titanium	63	14	52	155	79	36
Titanium oxide	13	300	259	735	1,093	1,131
Netherlands—						
Titanium oxide	1,895	(a)	(a)	(a)	(a)	(a)
Titanium white	93	(a)	(a)	3,527	4,572	6,629
Portugal—						
Ilmenite	(a)	1	1	20	11	1
Ore	40	8	37	35	22	97
Titanium oxide	(a)	(a)	80	132	154	226
Sweden—						
Titanium minerals ..	(a)	1,482	2,804	2,664	2,906	1,745
Titanium white	1,696	2,864	3,274	2,977	3,723	5,549
Yugoslavia—						
Rutile	(a)	(a)	(a)	(a)	(a)	30
Titanium oxide	(a)	(a)	(a)	(a)	(a)	188
Belgian Congo—						
Titanium oxide	(a)	(a)	(a)	(a)	37	48
Mexico—						
Titanium oxide	823	1,234	1,255	1,592	1,608	2,216
United States—						
Ilmenite	289,425	193,267	(c) 168,821	(c) 159,297	(c) 245,844	(c) 245,540
Rutile	2,755	3,060	9,842	17,316	14,373	13,361
Titanium metal	—	—	3	—	32	172
Ferro-titanium	34	116	222	100	154	4
Titanium compounds ..	2	608	233	32	80	5

(a) Information not available.

(b) Estimated.

(c) Including titanium dioxide slag (70% TiO₂) imported from Canada.

IMPORTS OF TITANIUM MINERALS, ETC. (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Argentina—						
Titanium oxide ..	442	907	(a)	589	23	1,151
Brazil—						
Titanium oxide ..	1,151	(a)	2,067	2,385	700	2,842
Chile—						
Titanium white ..	347	317	215	419	(a)	(a)
Colombia—						
Titanium oxide ..	(a)	(a)	479	292	473	652
Peru—						
Titanium oxide ..	88	29	143	157	200	306
Japan—						
Ilmenite	1,996	7,620	25,015	5,877	21,868	28,640

(a) Information not available.

TUNGSTEN
PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES
(Long tons)

Producing Country	Estimated WO ₃ Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES												
Great Britain—												
Concentrates	65	61	51	39	53	79	48	45	36	27	38	54
Nigeria—												
Concentrates	5	5	20	21	17	1	3	3	13	14	11	1
South West Africa—												
Wolfram	1	13	18	99	135	89	1	9	12	63	78	53
Scheelite	4	4	11	8	1	4	3	3	8	6	1	3
Tin-wolfram concentrates	90	94	59	(c) 70	(c) 102	358	13	13	9	10	9	101
Southern Rhodesia—												
Concentrates	24	58	210	384	346	231	17	42	151	276	249	166
Tanganyika—												
Wolfram	51	31	34	37	34	9	32	19	20	22	19	5
Uganda—												
Wolfram	174	144	161	107	159	149	121	101	109	75	108	104
Union of South Africa—												
Concentrates	374	86	172	242	376	542	247	56	112	155	228	362
Canada (b)—												
Concentrates	149	842	2	1,639	2,816	1,445	113	127	1	640	1,092	969
Hong Kong—												
Wolfram	—	—	20	97	140	27	—	—	13	63	91	17
India—												
Concentrates	—	—	14	10	15	1	—	—	9	6	9	1
Malaya—												
Wolfram	28	13	28	44	99	54	19	9	18	32	70	37
Scheelite	30	10	18	24	30	45	21	7	12	15	20	33
Australia—												
Wolfram (d)	385	282	796	1,035	1,008	722	264	198	467	672	672	511
Scheelite	809	801	1,031	989	1,185	1,331	550	530	632	602	729	861
New Zealand—												
Scheelite	25	22	32	57	39	28	16	14	21	37	25	18
TOTAL							1,468	1,176	1,643	2,715	3,449	3,296

(a) Information not available.

(b) Shipments (chiefly scheelite).

(c) Estimated.

(d) Includes some mixed wolfram-scheelite concentrates

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Producing Country	1949					Estimated WO ₃ Content						
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES												
Finland— Concentrates	37	15	6	40	20	108	29	11	4	28	13	74
France— Concentrates	634	402	697	859	1,011	846	468	270	368	460	670	560
Italy— Ore	3	2	7	6	5	1	2	1	5	4	3	1
Norway— Wolfram	—	—	—	11	8	—	—	—	—	7	5	—
Portugal (b)— Scheelite	9	46	123	187	256	190	6	31	80	122	166	123
Wolfram	2,368	2,358	4,337	4,371	4,054	3,670	1,539	1,532	2,820	2,841	2,635	2,380
Tin-tungsten ores	375	402	564	614	770	866	94	100	141	154	193	217
Spain— Concentrates	806	772	1,835	2,148	2,681	2,060	524	502	1,193	1,396	1,743	1,340
Tin-tungsten ores	(a)	110	390	396	522	629	(a)	(a)	(a)	(a)	242	(a)
Sweden— Concentrates	678	528	553	511	530	487	—	214	226	251	260	270
Algeria	—	—	30	72	45	—	—	—	19	46	30	—
Belgian Congo— Concentrates	327	194	390	620	817	1,016	206	126	254	403	529	659
Tin-tungsten ore	68	439	540	904	1,018	1,119	4	28	35	196	220	218
Egypt— Concentrates	—	—	7	19	12	4	—	—	4	12	8	3
French West Africa— Ore	—	—	—	—	3	2	—	—	—	—	9	1
Tin-tungsten ore	—	—	—	—	13	5	—	—	—	—	—	(a)
Morocco (French)— Ore	—	7	41	22	18	16	—	4	22	8	7	(a)
Mexico	73	62	633	1,236	(a)	(a)	39	40	192	263	402	322
United States— Concentrates	2,717	3,720	5,548	6,786	8,593	12,300	1,630	2,232	3,329	4,072	5,156	7,400
Argentina— Concentrates	156	(c) 100	100	400	533	900	102	60	60	240	320	590
Bolivia (exports)— Concentrates	2,261	2,422	2,675	3,650	3,676	(a)	1,502	1,467	1,605	2,189	2,259	2,625
Brazil— Scheelite	693	474	1,512	1,292	1,542	(a)	420	310	920	790	920	(a)

(a) Information not available.

(b) In addition 5 tons of mixed Wolfram-Scheelite (65% WO₃) were produced in 1952.

(c) Estimated.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Producing Country	Estimated WO ₃ Content											
	1949	1950	1951	1952	1953	1954	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)												
Peru— Concentrates	470	508	(a)	(a)	(a)	(a)	268	305	277	345	536	455
Burma— Tungsten concentrates ..	278	269	483	792	701	443	181	175	314	515	456	277
Tin-wolfram concentrates	600	901	1,207	1,954	1,828	1,070	240	360	480	780	730	430
China— Concentrates (b)	9,000	12,400	13,000	16,200	20,000	20,000	5,400	7,400	7,800	9,700	12,000	12,000
Japan— Concentrates	17	22	209	581	1,020	1,084	12	15	99	283	430	(a)
Korea— South— Concentrates	1,354	794	1,136	3,729	7,294	3,770	880	516	738	2,424	4,741	2,450
North— Concentrates (b)	1,000	1,000	1,200	1,200	1,200	1,200	600	600	720	720	720	720
Siam— Concentrates	674	1,125	1,321	1,601	1,595	1,087	438	731	859	1,041	1,037	707
Tin-tungsten concentrates	327	—	—	—	—	—	(a)	—	—	—	—	—
Turkey— Ore	—	—	—	—	—	246	—	—	—	—	—	(a)
TOTAL*	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	14,800	17,000	22,600	29,500	36,500	35,600
WORLD'S TOTAL*	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	16,300	18,200	24,200	32,200	39,900	38,900

*Excluding tungsten ores produced in U.S.S.R.

(a) Information not available.

(b) Estimated.

EXPORTS OF TUNGSTEN, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ore	158	1	—	—	71	14
Ferro-tungsten	911	1,171	394	96	133	398
Tungsten metal etc. ..	92	149	83	22	56	42
Nigeria—						
Tungsten ore	3	5	19	46	14	7
Southern Rhodesia—						
Tungsten ores	21	30	169	399	346	243
South West Africa—						
Tungsten ore	9	21	18	128	132	177
Tin-tungsten ore	98	99	39	—	—	—
Tanganyika—						
Wolfram ore	29	52	34	40	30	12
Uganda—						
Wolfram ore	139	189	159	126	151	152
Union of South Africa—						
Tungsten ore	312	253	204	213	192	483
Hong Kong (re-exports)—						
Tungsten ore	3,714	2,530	192	216	149	26
Malaya (b)—						
Wolfram	87	111	213	126	129	52
Scheelite	29	11	12	27	32	53
Australia—						
Wolfram	273	147	344	968	1,250	838
Scheelite	906	253	55	1,020	987	1,174
Tungsten ore and concentrates (c)	120	578	1,179	21	134	1,174
New Zealand—						
Scheelite	28	29	39	49	45	41
FOREIGN COUNTRIES						
Portugal—						
Tungsten ore	2,500	2,597	4,082	4,329	3,797	2,972
do. residues	1,033	558	75	104	12	815
Spain—						
Tungsten ore	478	706	1,402	2,913	2,746	2,513
Sweden—						
Ore	—	36	141	148	39	103
Ferro-tungsten	759	758	347	107	93	173
Algeria—						
Tungsten ore	—	—	(a)	71	59	—
Belgian Congo—						
Tungsten ores	176	598	466	841	1,007	1,263
Egypt—						
Tungsten ore	(a)	(a)	(a)	(a)	19	(a)
Morocco (French)—						
Tungsten ore	—	(a)	15	17	39	12
Mexico—						
Tungsten ore and concentrates	111	111	635	1,289	1,893	950
(WO ₃ content)	39	40	192	238	403	322

(a) Information not available.

(b) Including re-exports.

(c) Classified as "not elsewhere indicated" but believed to be chiefly scheelite.

EXPORTS OF TUNGSTEN, ETC. (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Ore and concentrates ..	91	6	—	10	11	35
Ferro-tungsten ..	277	149	127	132	16	5
Tungsten metal, alloys and scrap ..	48	68	111	31	91	168
Argentina—						
Tungsten ore ..	—	233	(a)	148	421	—
Bolivia—						
Tungsten ore ..						
(WO ₃ content) ..	1,502	1,467	1,605	2,189	2,259	2,625
Brazil—						
Tungsten ore ..	558	690	1,292	1,621	1,768	1,248
(WO ₃ content) ..	340	448	(a)	(a)	(a)	(a)
Peru—						
Tungsten ore and concentrates (WO ₃ content) ..	131	393	287	224	484	510
Japan—						
Tungsten ore ..	(a)	262	72	—	50	185
Tungsten metal ..	(a)	284	(a)	(a)	36	—
Ferro-tungsten ..	333	1,595	634	5	1	55
Korea—						
Tungsten ore (b) ..	397	2,084	314	3,616	5,443	4,022
Siam—						
Tungsten ore ..	778	802	1,317	1,380	1,390	(a)

(a) Information not available.

(b) Imports into the United States from Korea.

IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ores	5,616	5,778	4,743	8,298	4,373	3,363
Tungsten metal etc. ..	1	3	3	8	3	3
Canada—						
Tungsten ore	25	25	25	50	113	3
Ferro-tungsten	135	96	450	220	28	38
Hong Kong (b)—						
Tungsten ore	4,810	47	—	—	—	—
Malaya (b)—						
Wolfram	15	11	84	50	15	(a)
FOREIGN COUNTRIES						
Austria—						
Tungsten ore	(a)	(a)	180	28	78	504
Ferro-tungsten	(a)	698	398	210	—	203
Belgium-Luxemburg						
E.U.—						
Tungsten ore	(a)	(a)	(a)	2,195	172	113
Ferro-tungsten	(a)	(a)	(a)	345	47	40
Germany (Federal)—						
Tungsten ore	678	1,790	2,872	2,142	1,003	2,894
Italy—						
Tungsten ore	(a)	(a)	(a)	37	27	139
Ferro-tungsten	252	83	77	90	96	31
Netherlands—						
Tungsten ore	(a)	(a)	115	147	43	2
Sweden—						
Tungsten ore	2,135	1,581	984	684	177	413
Ferro-tungsten	24	72	10	—	1	—
United States—						
Tungsten ore	5,876	12,831	5,316	16,928	25,435	20,714
(WO ₃ content)	3,764	8,879	3,595	9,810	15,607	13,584
Tungsten metal						
(W content)	6	94	38	1	30	69
Ferro-tungsten	28	785	901	281	336	276
Japan—						
Tungsten ore	(a)	9	144	2,081	144	134
Tungsten metal	(a)	(a)	(a)	(a)	(a)	1
Ferro-tungsten	(a)	(a)	(a)	(a)	1	39

(a) Information not available.

(b) Total imports.

URANIUM MINERALS*
EXPORTS OF URANIUM MINERALS, ETC.
(Domestic Produce)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom— Radium compounds						
<i>Grains</i>	1	294	118	14	37	266
Union of South Africa— Uranium .. £SA	—	—	—	—	3,873,029	14,835,344
Canada— Radium and salts £	43,920	—	—	(a)	(a)	(a)
FOREIGN COUNTRIES						
Portugal— Uranium ore <i>Cwt.</i>	—	—	—	—	—	—
United States— Radium metals (<i>Ra content</i>) <i>Mgrams.</i>	428	250	8,892	1,143	1,056	419
Mozambique— Uranium minerals <i>Cwt.</i>	787	—	1,838	498	612	(a)

*Statistics of the production of Uranium are no longer published.

(a) Information not available.

IMPORTS OF URANIUM MINERALS, ETC.
(Less Re-exports)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom— Uranium minerals <i>Cwt.</i>	—	4	—	—	—	(a)
<i>Grains</i>	621	191	401	358	39	383
Canada— Radium .. £	18,300	115,182	125,378	22,873	154,603	103,345
FOREIGN COUNTRIES						
France— Radium and radium products .. <i>Lb.</i>	2	—	—	—	—	—
Portugal— Radium salts <i>Mgrams.</i>	(a)	(a)	(a)	(a)	494	(a)
Egypt— Radium .. £	2	—	1,000	—	—	(a)
United States— Radium salts <i>Mgrams.</i>	98,032	80,969	89,805	173,711	85,055	57,879
Brazil— Radium and radium products <i>Mgrams.</i>	221	(a)	75	1,363	10,311	852
Turkey— Uranium salts .. <i>Lb.</i>	—	—	—	2	—	2

(a) Information not available.

VANADIUM
PRODUCTION OF VANADIUM ORES
(Metal content)
 (Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Northern Rhodesia ..	151	—	86	43	—	—
South West Africa ..	160	290	521	475	490	511
FOREIGN COUNTRIES						
Argentina	1	1	(a)	(a)	(a)	(a)
United States (shipments)	1,426	2,052	2,757	3,214	4,145	4,402
Peru	414	426	645	430	326	187

Vanadium ore is also produced in Mexico. Vanadiferous iron concentrates (about 0.5%V) are produced in Finland and Norway.

(a) Information not available.

EXPORTS OF VANADIUM
(Domestic Produce)
 (Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ferro-vanadium ..	87	209	58	73	125	6
Northern Rhodesia—						
Oxide, fused	131	213	120	122	7	—
South West Africa—						
Concentrates (<i>V content</i>)	323	210	543	1,079	527	438
FOREIGN COUNTRIES						
Italy—						
Oxide	(a)	—	197	187	119	—
Sweden—						
Ferro-vanadium ..	80	121	70	28	11	34
Mexico—						
Concentrates	163	89	—	234	—	—
Flue dust (<i>V content</i>) ..	—	61	51	167	—	—
United States—						
Ore and concentrates						
(<i>V content</i>)	10	1	1	54	30	30
Metal, alloys and scrap	1	2	1	46	(a)	(a)
Ferro-vanadium ..	87	37	55	131	70	63
Peru—						
Ore and concentrates						
(<i>V content</i>)	293	641	458	434	285	193

(a) Information not available.

IMPORTS OF VANADIUM

(Less Re-exports)
(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore	1,006	1,270	602	591	453	355
Oxide	121	173	68	155	7	—
Other compounds ..	3	—	(940 lbs.)	3	—	1
FOREIGN COUNTRIES						
France—						
Oxide	69	32	20	288	122	53
Italy—						
Ore	(a)	(a)	(a)	(a)	5	(a)
Oxide	(a)	(a)	5	40	1	2
Ferro-vanadium ..	52	53	59	54	22	17
Sweden—						
Ore	3	25	20	7	—	3
Ferro-vanadium ..	3	21	—	1	7	29
United States—						
Ore	906	2,281	1,738	1,937	1,321	529
(V content)	246	650	439	466	320	176
Flue dust (V content) ..	—	—	—	3	2	—
Japan—						
Ore	(a)	(a)	(a)	(a)	(a)	61
Ferro-vanadium ..	(a)	(a)	9	(a)	31	44

(a) Information not available.

ZINC
PRODUCTION OF ZINC ORE
(Metal content)
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Great Britain	—	35	191	1,525	1,865	1,432
Kenya (exports)	—	—	60	120	—	—
Nigeria	73	—	—	—	—	—
Northern Rhodesia (b) ..	27,180	37,668	36,259	36,728	38,708	26,550
South West Africa	12,962	11,787	14,582	15,400	15,522	19,671
Canada (b)	257,377	279,667	304,564	331,966	358,716	336,153
India	—	(e) 300	1,050	2,070	2,370	2,188
Australia (f)	179,301	198,009	190,809	197,280	237,037	252,659
TOTAL	477,000	527,500	547,500	585,100	654,200	638,700
Irish Republic	—	399	1,238	1,689	1,624	(a)
FOREIGN COUNTRIES						
Austria	3,770	3,960	4,613	6,055	5,814	6,285
Finland (b)	2,435	2,142	3,001	1,357	3,177	4,434
France	10,735	11,986	12,394	14,290	13,011	9,800
Germany (Federal)	56,906	69,045	74,105	79,406	89,805	92,749
Greece	3,306	3,226	4,234	4,548	5,500	(e) 6,000
Italy	70,800	83,868	94,169	103,272	96,786	101,414
Norway	6,499	5,612	5,383	5,500	5,055	5,283
Poland (e)	(a)	(a)	(a)	(f) 95,000	(f) 100,000	115,000
Spain	51,168	65,270	74,353	86,163	82,876	86,846
Sweden	34,603	36,535	37,713	37,819	44,381	57,506
U. S. S. R. (smelter) (e) ..	120,000	140,000	160,000	200,000	225,000	240,000
Yugoslavia	43,000	37,491	38,798	47,035	59,023	56,297
Algeria	6,396	7,064	7,116	11,300	18,728	25,924
Angola	—	—	350	42	92	—
Belgian Congo	55,919	75,107	88,138	96,926	123,809	82,970
Egypt	280	376	1,409	872	186	170
French Equatorial Africa ..	43	566	512	387	—	—
Morocco (French)	2,707	11,232	19,140	27,902	34,728	33,910
Tunis	3,263	2,886	3,460	3,484	3,591	5,157
Guatemala (d)	—	336	5,485	9,969	5,710	1,624
Mexico	175,585	220,000	177,220	223,784	222,961	220,215
Salvador	(a)	(a)	126	130	50	—
United States (b)	529,646	556,585	608,204	594,644	488,777	415,397
Argentina	10,748	12,498	15,230	15,568	13,050	16,600
Bolivia (exports)	17,388	19,269	30,053	35,056	23,595	20,003
Chile	(a)	(a)	(a)	(a)	2,559	(a)
Peru (b)	70,899	86,491	99,699	125,826	136,905	154,944
Burma	—	—	—	859	3,525	6,516
Japan	43,572	51,323	63,403	86,088	93,563	107,593
Philippine Republic	—	—	153	1,571	735	—
Turkey	192	31	401	791	3,650	5,392
TOTAL	1,395,000	1,590,000	1,720,000	1,910,000	1,910,000	1,880,000
WORLD'S TOTAL	1,880,000	2,120,000	2,270,000	2,500,000	2,560,000	2,520,000

(a) Information not available.
(b) Recoverable.
(c) Smelter production.

(d) Imports into the United States.
(e) Estimated.
(f) Revised.

METAL PRODUCTION OF ZINC
(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	64,115	70,290	69,734	68,733	72,711	81,239
Northern Rhodesia ..	22,850	22,715	22,590	22,890	25,330	26,550
Canada	183,969	182,471	195,159	198,393	224,072	190,871
Australia	80,956	83,652	77,010	87,438	90,178	104,523
TOTAL	351,890	359,128	364,493	377,454	412,291	403,183
FOREIGN COUNTRIES						
Belgium	171,335	174,525	197,713	183,849	190,372	209,730
France	59,643	70,401	73,382	78,724	79,660	109,152
Germany (Federal) ..	85,547	120,854	138,416	144,887	145,919	165,007
Italy	26,033	37,517	46,660	53,985	59,119	66,390
Netherlands	15,368	19,440	22,284	25,492	24,804	25,627
Norway	40,441	42,291	40,180	38,614	38,185	43,543
Poland (c)	(a)	(a)	(a)	(b) 95,000	(b) 100,000	115,000
Spain	19,242	20,928	21,003	21,021	22,759	22,416
U.S.S.R. (c)	120,000	140,000	160,000	200,000	225,000	240,000
Yugoslavia	8,682	10,673	13,014	14,235	14,319	13,429
Belgian Congo	—	—	—	—	7,678	31,495
Mexico (b)	51,109	48,680	52,070	49,591	52,215	53,997
United States (d) (e) ..	727,484	753,096	787,172	807,571	817,951	721,136
Argentina	2,606	(c) 7,400	(c) 8,500	(c) 8,500	12,740	10,826
Peru	587	1,242	856	5,134	8,767	15,163
Japan	31,806	48,234	55,450	67,291	75,601	99,775
TOTAL	1,455,000	1,580,000	1,720,000	1,790,000	1,880,000	1,940,000
WORLD'S TOTAL	1,807,000	1,940,000	2,084,000	2,167,000	2,292,000	2,343,000

(a) Information not available.

(b) Revised.

(c) Estimated.

(d) In addition secondary zinc recovered was as follows (long tons):

1949	212,333	1952	277,163
1950	291,098	1953	265,365
1951	280,694	1954	(a)

(e) The production by grades (including redistilled secondary) was as follows (long tons):

	1949	1950	1951	1952	1953	1954
A—High grade—Special ..	205,871	242,570	251,403	264,108	279,295	241,200
Ordinary ..	184,510	171,496	156,696	162,612	160,882	109,100
B—Intermediate grade ..	19,208	19,260	18,512	15,985	13,143	14,600
C and D—Brass special ..	50,346	41,723	54,028	43,587	50,196	} 410,000
Selected	2,290	3,590	12,048	12,150	1,723	
E—Prime Western	314,402	334,252	337,929	358,336	359,922	

PRODUCTION OF ELECTROLYTIC ZINC*

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
Northern Rhodesia ..	15,372	14,923	10,676	18,785	17,004	17,557
Canada	183,969	182,471	195,159	198,393	224,072	190,871
Australia (Tasmania) ..	80,956	83,652	77,010	87,438	90,178	104,523
FOREIGN COUNTRIES						
France	24,738	30,381	31,628	34,127	32,996	41,300
Italy	22,174	30,972	38,191	44,916	50,016	(a)
Norway	40,441	42,491	40,180	38,614	38,185	43,543
Belgian Congo	—	—	—	—	7,678	31,495
United States	291,207	305,433	300,078	313,487	331,134	277,900
Japan	20,681	32,193	37,642	47,896	53,798	(a)

*This production is already included in the Metal table and is not additional.

(a) Information not available.

PRODUCTION OF ZINC DUST

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom ..	7,468	8,872	9,579	6,230	8,665	9,344
Northern Rhodesia ..	15	24	5	—	—	—
Australia	(b) 317	(b) 606	1,809	1,711	1,901	2,234
FOREIGN COUNTRIES						
France	2,552	(a)	(a)	(a)	2,967	2,480
Germany (Federal) ..	2,482	4,876	6,976	4,614	3,374	6,793
United States	20,336	25,823	28,299	22,422	22,587	23,834
Japan	(a)	(a)	(a)	2,417	3,276	(a)

(a) Information not available.

(b) Sales.

PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS

(Long tons)

Producing Country	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom	25,196	28,196	21,349	16,705	21,412	(c) 22,779
FOREIGN COUNTRIES						
Belgium	32,317	(a)	(a)	(a)	(a)	(a)
United States (b)	51,774	62,567	59,007	47,754	50,346	43,781
Japan	6,023	4,205	4,500	3,602	4,949	(a)

(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	
1949	8,105		1952	9,917	
1950	12,358		1953	11,708	
1951	10,381		1954	10,964	

(c) Including wire.

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

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	1	311	15	10,430	2,907	—
Ingots, bars etc. ..	358	71	10	129	5,573	585
Sheets, plates, etc. ..	3,545	3,745	2,097	1,556	1,800	2,533
Oxide	12,444	13,490	775	1,641	3,974	5,770
Lithopone, etc. ..	8,061	7,360	4,435	3,637	2,325	3,011
Kenya—						
Concentrates	—	—	160	297	—	—
Nigeria—						
Ore and concentrates ..	(a)	(a)	(a)	(a)	(a)	125
Northern Rhodesia—						
Ores and concentrates ..	5,275	—	—	—	—	10
Ingots	22,704	22,670	22,269	21,615	26,550	28,344
South West Africa—						
Ores and concentrates (b)	24,163	31,308	(c) 11,467	(c) 15,254	(c) 13,269	(c) 19,753
Union of South Africa—						
Bars, sheets, etc. ..	535	75	12	—	1	(a)
Fume, dust, shavings, etc.	88	78	128	(a)	(a)	(a)
Canada—						
Ore (<i>Zn content</i>) ..	95,254	115,680	138,030	162,280	172,015	160,868
Spelter	150,274	131,143	130,475	148,986	141,418	183,962
Dross, scrap and ashes ..	5,379	4,540	4,027	3,238	3,735	4,566
Oxide	(a)	(a)	(a)	(a)	(a)	1,062
Hong Kong (re-exports)—						
Unwrought, incl. alloys } Plates and sheets ..	1,336	1,912	1,392	{ 1 87	{ 1 61	— 56
Oxide	(a)	(a)	(a)	477	324	220
Lithopone	(a)	(a)	(a)	599	2,734	2,183
India—						
Concentrates, etc. ..	102	3,555	1,882	4,684	3,258	3,999
Malaya (d)—						
Bars, sheets, tubes, etc.	430	182	148	187	397	140
Australia—						
Ores and concentrates (<i>Zn content</i>)	76,675	89,819	80,050	110,728	122,272	151,313
Dust	58	36	5	63	46	4
Blocks	33,595	43,001	20,529	44,741	36,938	38,262
Scrap and shavings ..	245	45	87	40	1,557	609
Plates and strips ..	339	1,265	228	130	59	94
Irish Republic—						
Ores and concentrates	(a)	(a)	(a)	2,851	3,977	2,472
FOREIGN COUNTRIES						
Austria—						
Ore	5,399	5,963	302	6,875	8,856	10,551
Spelter and alloys ..	—	—	262	37	477	746
Scrap	2,475	1,763	1,198	1,674	2,762	2,814
Zinc-white and zinc- grey	—	—	—	—	—	46
Lithopone	—	30	1,225	448	1,236	1,572
Belgium-Luxemburg						
E.U.—						
Ore	41,914	35,144	45,511	35,108	26,362	54,029
Spelter	106,641	112,021	93,688	119,278	118,769	126,876
Scrap	3,476	1,823	73	68	57	3,334

(a) Information not available.

(b) Excluding zinc contained in lead concentrates.

(c) *Zn content*.

(d) Including re-exports.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.— <i>(cont.)</i>						
Sheets, tubes and wire	8,277	12,701	20,914	11,744	13,843	13,803
Dust	2,454	5,406	4,440	3,085	4,058	5,394
Oxide	5,934	5,207	6,585	—	(a)	(a)
Lithopone	6,921	12,020	15,159	3,624	5,641	8,603
Denmark—						
Spelter	2	958	1,841	1,015	987	921
Scrap	1,240	1,520	326	142	125	258
Finland—						
Concentrates	8,168	5,505	6,815	2,327	5,499	8,250
Bars, sheets, scrap etc.	—	132	42	92	10	—
France—						
Ore	—	334	2	47	4,155	—
Spelter, bars and scrap	698	3,695	535	770	539	1,180
Sheets	3,915	3,734	2,765	2,300	1,597	1,248
Oxide	1,699	2,450	2,065	1,538	2,669	2,820
Lithopone, etc.	1,128	1,563	1,755	1,167	1,428	1,079
Germany (Federal)—						
Ore	3	591	—	—	16,437	5,911
Spelter, dust and alloys	688	10,474	9,469	33,982	36,339	13,874
Scrap	432	98				
Sheets and wire	187	4,580	3,771	146	210	317
Zinc-white, zinc-grey and lithopone	33,295	47,019	51,526	30,421	43,252	52,412
Greece—						
Ore	6,446	(a)	4,422	2,764	9,268	10,413
Italy—						
Ore	81,970	87,439	74,414	60,536	52,566	77,753
Spelter, scrap and alloyed	1,678	8,077	6,334	9,406	26,021	19,571
Sheets, wire and alloyed, etc.	49	10	—	9	—	—
Oxide	204	985	5,203	836	981	849
Lithopone	1,972	3,656	5,307	1,988	4,381	6,012
Netherlands—						
Spelter	5,179	10,098	17,134	16,545	19,203	15,635
Scrap	1,172	1,446	1,398	1,213	2,038	4,581
Sheets	704	2,105	927	1,459	1,014	1,655
Norway—						
Ore	167	1,787	3,259	—	408	2,854
Electrolytic zinc	28,900	32,625	28,754	27,199	30,388	30,361
Bars, sheets, wire, etc.	4	345	814	166	17	6
Ashes and scrap	460	844	1,934	1,476	1,346	1,618
Portugal—						
Bars	54	72	291	28	119	10
Zinc-white	21	21	33	27	27	20
Spain—						
Ore (Blende)	38,294	80,352	77,244	84,835	95,918	94,877
Bars, scrap, sheets, wire, etc.	1,285	2,053	2,927	745	1	(a)
Sweden—						
Ore	66,244	65,932	63,003	80,030	75,186	108,613
Spelter	5	2	269	194	124	98
Scrap	1,640	2,576	2,366	50	225	108
Zinc-white	—	1	34	30	283	830

(a) Information not available.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Spelter and scrap ..	1,077	2,903	4,406	2,770	3,561	5,303
Dust	14	9	104	95	39	13
Zinc-white, etc. ..	82	66	210	41	210	108
Yugoslavia—						
Concentrates	(a)	33,798	14,615	25,057	28,235	41,703
Spelter	(a)	1,392	2,083	7,555	3,140	1,331
Dust	(a)	1,257	1,394	1,308	2,797	2,146
Oxide	(a)	153	240	178	614	331
Lithopone	(a)	690	711	547	793	1,006
Algeria—						
Ore	18,039	16,691	18,338	17,519	19,819	45,676
Spelter, plates and scrap	619	396	751	203	273	535
Oxide	—	23	9	5	8	1
Belgian Congo—						
Ores and concentrates ..	107,647	127,570	166,162	136,832	123,379	118,727
Electrolytic zinc	—	—	—	30	5,739	29,507
French Equatorial Africa						
Ore	3,937	4,429	5,907	1,968	—	—
Morocco (French)—						
Ore	9,252	16,633	33,819	47,281	62,792	70,272
Tunis—						
Ore	5,908	5,822	8,937	5,846	2,018	13,882
Guatemala (d)—						
Ore (Zn content)	—	336	5,485	9,969	5,710	1,624
Mexico—						
Ores and concentrates ..	254,706	233,302	259,726	339,418	293,545	305,595
Refined	37,695	47,695	41,400	41,519	50,786	39,118
Zn content (c)	160,756	203,878	158,475	214,803	218,029	204,599
Oxide (metallurgical) ..	3,482	11,513	13,497	7,321	1,514	—
do. (other)	448	820	1,442	459	135	101
United States—						
Ore and dross (b)	2,612	1,017	2,759	3,009	2,637	(a)
Spelter	52,419	11,533	32,598	51,530	15,945	22,317
Scrap (b)	1,401	5,546	4,119	868	893	14,001
Sheets, strips, etc. ..	5,488	2,937	4,346	2,706	3,760	2,643
Dust	616	451	645	(a)	448	454
Oxide	4,500	2,762	7,942	6,799	2,652	2,778
Lithopone	12,910	8,354	18,280	8,915	3,506	2,690
Bolivia—						
Ores (Zn content)	17,388	19,269	30,053	35,056	26,122	20,003
Chile—						
Ores (e)	(a)	115	200	4,253	(a)	(a)
Spelter	81	140	99	—	(a)	(a)
Colombia—						
Ore	(a)	(a)	248	436	408	—
Peru—						
Ores, etc. (Zn content) ..	58,453	71,705	96,866	109,685	87,123	95,072
Bars (Zn content)	586	1,853	642	1,529	9,092	15,658
Japan—						
Spelter	(a)	339	6	4,112	639	2,065
Oxide and sulphide	(a)	75	248	810	9	37
Lithopone	(a)	96	617	308	250	78
Philippine Republic—						
Concentrates	(a)	(a)	182	422	1,412	—
Turkey—						
Ore	165	—	1,715	1,243	54	217

(a) Information not available.

(b) Zn content.

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

(d) Imports into the United States.

(e) Including complex ores.

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

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	197,872	196,422	179,986	193,030	165,261	192,863
Ingots, bars, etc. ..	143,043	141,914	121,879	228,835	125,567	153,036
Sheets, plates, etc. ..	227	414	1,045	248	(b) 547	772
Oxide	25	51	1,982	12	7	37
Lithopone, etc. . .	10,630	12,067	14,693	4,170	3,296	2,122
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	7	11	7	—	7	(a)
Gold Coast—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	(a)	76
Kenya—						
Unwrought, incl. scrap	(b) 1	4	13	(b) 7	58	96
Bars, plates, sheets, etc.	14	14	9	15	7	7
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	(a)	66
Southern Rhodesia—						
Sheets, dust, etc. ..	250	249	141	92	116	(c) 179
South West Africa—						
Spelter, sheets, etc. ..	13	1	12	—	3	(a)
Tanganyika—						
Bars, sheets, scrap, etc.	9	8	13	19	7	7
Union of South Africa—						
Bars, rods and ingots ..	11,218	14,978	21,806	8,072	13,855	22,005
Sheets and strips ..	392	327	713	129	51	(a)
Lithopone	1,744	1,454	4,028	(a)	(a)	(a)
Oxide	208	74	389	(a)	(a)	(a)
Dust and shavings ..	6	98	77	(a)	(a)	(a)
Canada—						
Dust	325	185	198	216	299	266
Ingots, sheets, plates bars, etc. ..	1,916	1,586	2,870	1,143	1,185	1,209
Zinc-white	977	989	594	649	1,234	924
Lithopone	7,269	7,280	6,171	2,817	2,990	2,269
Ceylon—						
Blocks, ingots, etc. ..	5	—	—	13	19	12
Sheets and plates ..	29	25	29	36	29	29
Hong Kong (total imports)—						
Unwrought, incl. scrap	} 1,656	1,835	2,841	18	52	141
Sheets and plates ..				1,066	1,777	843
Oxide				17	63	485
Lithopone				488	2,708	3,571
India—						
Spelter	31,769	30,583	17,167	23,821	23,980	37,597
Sheets, etc.	1,902	2,826	2,842	1,496	1,849	2,190
Zinc-white	823	91	16	15	15	7
Lithopone	1,349	1,425	2,873	2,184	773	1,250
Malaya (total imports)—						
Sheets	781	1,039	1,053	450	(d) 1,856	(d) 2,863
Pakistan (e)—						
Spelter	(a)	(a)	54	277	307	915
Zinc-white	(a)	(a)	45	277	194	105
Lithopone	(a)	(a)	689	597	374	399
Australia—						
Dust	—	—	9	—	(f) 3	(f) 2
Blocks, sheets, scrap, etc.	165	131	196	403	(f) 32	(f) 73
Oxides	428	(f) 401	33	49	80	870
Lithopone	4,069	2,467	3,666	3,236	871	2,014

(a) Information not available.

(b) Excess of re-exports.

(c) Federation of Rhodesia and Nyasaland.

(d) Bars, sheets, tubes, etc. including alloys.

(e) Years ended March 31 following that stated.

(f) Year ended June 30 of that stated.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Spelter, ingots, bars, etc.	790	910	1,261	879	499	1,198
Sheets and plates	194	309	219	233	169	225
Oxide	74	183	492	229	169	237
Zinc-white	636	1,154	980	707	188	251
Lithopone	602	495	244	1,016	189	404
Irish Republic—						
Ingots and bars	—	235	122	(a)	(a)	(a)
Sheets and plates	509	444	132	(a)	(a)	(a)
Zinc-white	614	740	864	150	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	—	497	—	—	—	4,766
Spelter and alloys	8,146	5,954	7,021	5,530	5,532	7,620
Sheets, bars, etc.	11	4	24	3	11	12
Zinc-white and zinc-grey	599	115	202	96	28	233
Lithopone	676	297	—	8	15	25
Belgium-Luxemburg E. U.—						
Ore	370,939	397,316	445,478	491,061	353,513	475,451
Spelter	346	2,253	6,409	865	1,267	4,977
Scrap	3,476	350	424	168	145	43
Sheets, tubes and wire	7	156	52	82	187	196
Dust	236	25	3	—	9	13
Oxide	190	543	973	658	1,166	1,303
Lithopone	759	2,386	1,467	1,428	1,652	1,512
Denmark—						
Spelter	7,441	6,503	7,394	2,415	3,918	6,638
Scrap	95	34	45	38	60	83
Plates, sheets and wire	3,368	5,378	4,538	3,729	4,941	5,628
Zinc-white	2,191	3,029	1,966	1,329	1,905	1,798
Lithopone	1,942	3,420	3,343	1,610	1,687	1,988
Finland (total imports)—						
Spelter	3,201	4,251	4,236	3,572	3,314	5,800
Scrap	1	7	1	10	52	35
Sheets	1,104	618	643	455	339	821
Zinc-white	1,766	1,708	1,845	1,320	774	848
Lithopone	(a)	(a)	1,403	798	940	1,753
France—						
Ore	75,086	151,871	127,938	184,593	163,295	237,612
Spelter	47,619	27,096	37,609	42,925	13,911	21,348
Scrap	648	1,691	463	649	293	6,316
Dust	1,162	650	815	352	2,634	3,935
Sheets	—	6	170	82	7	91
Oxide	3,278	839	5,668	2,213	612	900
Lithopone	3,142	5,028	10,359	3,873	8,575	8,289
Germany (Federal)—						
Ores	—	31,319	77,103	79,673	47,911	53,767
Spelter, dust, scrap and alloys	12,125	6,346	10,059	19,788	24,836	56,166
Sheets and wire	364	1	157	2	2	96
Zinc-white and zinc-grey	(a)	205	52	124	1,155	2,210
Lithopone	—	—	30	100	1,732	2,018
Greece—						
Spelter, etc.	1,059	860	477	977	1,406	2,048
Iceland—						
Zinc-white	81	100	10	26	29	(a)

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Italy—						
Ore	—	—	—	1,021	2,671	703
Spelter, matte, scrap and alloyed	3,495	4,684	2,780	6,379	3,924	8,253
Sheets, wire, etc. and alloyed	662	102	—	—	—	—
Oxide	608	775	730	166	149	135
Lithopone	—	10	30	69	32	991
Netherlands—						
Ore	50,761	45,260	53,518	83,159	55,482	70,849
Spelter	9,017	10,809	8,373	4,997	9,906	17,159
Scrap	24	244	63	144	218	250
Sheets	1,135	3,576	3,878	3,294	4,036	3,609
Oxide and zinc-white ..	3,696	4,334	2,584	1,131	1,656	1,714
Lithopone	480	1,403	484	637	769	1,305
Norway—						
Ore	74,106	70,112	88,475	58,119	47,884	83,318
Ashes and scrap ..	443	685	563	626	365	1,179
Spelter	—	472	562	1,221	311	360
Bars and sheets ..	96	66	68	77	266	679
Zinc-white	1,746	172	793	542	369	657
Lithopone	544	98	818	343	616	610
Portugal—						
Spelter, scrap and dust	1,289	1,432	674	807	1,288	1,573
Oxide	1,370	1,094	841	850	909	917
Lithopone	610	835	928	1,209	1,024	1,255
Spain—						
Bars and scrap ..	915	897	14	21	450	(a)
Sweden—						
Spelter	21,292	19,888	20,291	26,968	20,563	28,353
Scrap	58	90	29	31	46	—
Sheets	2,248	2,316	3,800	1,186	1,287	1,614
Zinc-white	5,038	8,221	4,526	3,081	4,389	4,950
Lithopone, etc. ..	4,430	6,851	8,532	4,612	5,889	6,553
Switzerland—						
Spelter and scrap ..	7,596	7,292	17,224	11,319	9,849	16,874
Dust	596	1,071	1,170	783	736	1,572
Bars, sheets, pipes and wire	965	1,546	2,409	1,003	1,248	1,489
Zinc-white, lithopone, etc.	4,231	7,055	7,668	4,493	6,461	7,504
Algeria—						
Spelter, sheets and scrap	831	776	696	630	590	694
Oxide	469	601	692	515	449	597
Lithopone, etc. ..	227	455	513	516	668	502
Belgian Congo—						
Spelter and scrap ..	(a)	(a)	(a)	(a)	92	20
Oxide	(a)	95	97	(a)	72	63
Lithopone	(a)	(a)	(a)	(a)	194	372
Egypt—						
Spelter, sheets and scrap	726	487	775	376	672	816
Zinc-white	646	620	235	185	274	286
Lithopone	1,042	2,664	1,370	2,127	2,395	2,368
Morocco (French)—						
Spelter, sheets and wire	35	46	(a)	443	(a)	(a)
Lithopone	377	604	(a)	811	(a)	(a)
Mozambique—						
Spelter, bars and sheets	16	13	11	8	16	(a)
Oxide	20	25	13	13	11	(a)
Tunis—						
Spelter and dust ..	—	(a)	100	(a)	49	102
Sheets	114	(a)	135	(a)	84	103
Oxide	54	(a)	40	(a)	107	162
Cuba (total imports)—						
Spelter	166	163	183	(a)	(a)	(a)
Sheets	93	109	148	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1949	1950	1951	1952	1953	1954
FOREIGN COUNTRIES (cont.)						
Mexico—						
Spelter, sheets and scrap	165	116	36	129	79	156
Zinc-white	73	35	14	67	(a)	(a)
United States—						
Ore (Zn content)	148,844	221,982	214,085	520,330	414,318	444,493
Spelter	112,111	138,665	78,557	100,938	203,209	144,043
Dross and scrap	3,332	2,530	5,895	3,118	5,281	970
Sheets	28	189	133	42	175	231
Dust	15	421	138	118	933	—
Oxide	213	4,549	1,591	155	1,059	2,096
Lithopone	11	1,073	709	9	26	58
Argentina—						
Spelter and bars	10,598	1,406	1,170	4,155	197	1,968
Sheets and plates	2,813	3,270	(a)	491	1,268	154
Zinc-white	83	—	(a)	73	—	—
Brazil (total imports)—						
Bars, sheets and plates ..	9,598	10,394	12,534	10,240	13,054	21,970
Zinc-white	3,378	(a)	4,544	3,355	2,332	4,885
Chile—						
Spelter	1,475	1,451	2,916	1,986	2,397	4,097
Bars and sheets	693	194	140	74	(a)	(a)
Zinc-white	517	229	145	136	(a)	(a)
Lithopone	1,574	1,224	1,517	1,579	(a)	(a)
Colombia—						
Spelter, sheets, alloys, etc.	340	339	479	116	187	530
Zinc-white	446	593	225	391	590	778
Lithopone			513	205	378	317
Peru—						
Spelter, bars, sheets and powder	85	55	85	74	82	72
Zinc-white and lithopone	603	427	384	317	262	532
Uruguay—						
Spelter	418	500	563	336	402	(a)
Lithopone	297	305	370	372	425	(a)
Zinc-oxide	216	351	180	262	289	(a)
Venezuela—						
Spelter	1	1	(a)	21	17	(a)
Zinc-white	180	299	(a)	66	119	(a)
Lithopone	180	91	(a)	528	526	(a)
Iran (total imports) (b)—						
Spelter, sheets and wire	(a)	(a)	20	(a)	(a)	(a)
Iraq—						
Spelter, sheets, etc.	14	7	5	(a)	(a)	(a)
Israel—						
Spelter and sheets	1,362	1,096	372	166	498	1,577
Lithopone	—	218	338	568	460	847
Japan—						
Ore	—	403	11,515	15	2,367	3,820
Spelter	(a)	1,397	12,153	1,936	7,177	4,375
Scrap	(a)	80	1,787	235	1,797	112
Dross	(a)	23,200	12,088	311	1,346	295
Plates and sheets	(a)	117	89	99	7	4
Philippine Republic—						
Spelter and sheets	60	46	49	37	67	101
Dust	117	51	116	74	93	83
Oxide	115	312	487	210	497	810
Lithopone	105	238	440	284	250	159
Turkey—						
Spelter	196	38	169	251	420	691
Bars, tubes and wire	2,396	2,237	1,341	2,301	3,075	1,967
Oxide	1,325	637	566	1,118	1,561	1,565
Lithopone	883	1,199	1,322	1,597	1,952	1,286

(a) Information not available.

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

ZIRCONIUM MINERALS
PRODUCTION OF ZIRCONIUM MINERALS
(Long tons)

Producing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
India	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon (b)	20,675	21,535	43,816	30,319	(a)	(a)
Zircon concentrates (c)	18,873	21,805	42,410	29,691	28,629	41,453
FOREIGN COUNTRIES						
Egypt	126	93	3	118	235	97
French West Africa ..	241	—	21	—	935	904
Madagascar	—	—	—	4	—	—
Brazil (f)	(d) 2,243	2,968	3,441	3,909	3,044	(e) 3,000

Zircon is also produced in the United States.

(a) Information not available.

(b) Estimated zircon content of all zircon-bearing concentrates including the zircon concentrates below.

(c) Zircon content included above and not additional.

(d) Exports.

(e) Estimated.

(f) Chiefly baddeleyite.

EXPORTS OF ZIRCONIUM MINERALS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
India—						
Zircon sand	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon concentrates ..	17,783	19,609	38,485	26,083	31,173	36,512
Zircon-rutile	2,964	1,564	—	—	—	—
Zircon-rutile-ilmenite ..	—	4	—	—	—	—
FOREIGN COUNTRIES						
French West Africa—						
Zircon	—	69	21	—	30	904
United States—						
Ores and concentrates ..	273	468	330	522	991	617
Brazil (b)	2,243	950	2,360	2,165	1,255	1,181

(a) Information not available.

(b) Chiefly baddeleyite.

IMPORTS OF ZIRCONIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1949	1950	1951	1952	1953	1954
BRITISH COUNTRIES						
United Kingdom— Zirconium ores ..	2,495	2,769	5,690	3,454	4,548	5,627
Canada— Zirconium oxide ..	(£14,725)	(£11,222)	(£7,834)	(£8,579)	(£8,216)	(£3,652)
Zirconium silicate ..	(£20,516)	(£26,319)	(£29,950)	(£38,340)	(£47,139)	(£49,790)
FOREIGN COUNTRIES						
Italy— Zirconium ore ..	(a)	(a)	(a)	(a)	131	(a)
United States— Zirconium ore (b) ..	18,601	15,023	24,367	21,345	22,025	16,658
Zircon (c) ..	13,055	13,480	21,944	19,196	20,524	(a)
Baddeleyite (d) ..	1,780	622	1,861	1,761	1,076	1,257

(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	1949	1950	1951	1952	1953	1954
SELENIUM						
PRODUCTION—						
Northern Rhodesia Lb.	20,958	27,056	9,772	31,758	46,320	14,354
Canada Lb.	318,225	261,973	382,603	242,030	262,346	323,529
Australia .. Lb.	1,362	2,394	1,924	(d) 2,000	3,791	3,442
Belgium (exports) Lb.	(a)	(a)	24,251	37,479	61,729	65,036
Finland .. Lb.	2,793	1,517	3,146	5,758	7,225	5,567
Sweden (exports) Lb.	21,305	83,776	90,390	98,291	110,231	154,324
Mexico Lb.	(a)	1,458	—	—	2,798	14,703
United States (e) Lb.	441,898	558,931	494,912	(f) 687,384	923,887	(f) 713,244
Japan Lb.	20,163	32,196	43,998	58,694	65,572	(a)
EXPORTS—						
Canada (b) .. Lb.	343,784	542,401	370,473	244,121	253,620	344,292
Belgium-Lux. E.U. Lb.	(a)	(a)	24,251	37,479	61,729	65,036
Sweden .. Lb.	21,305	83,776	90,390	98,291	110,231	154,324
Mexico Lb.	—	1,457	(a)	—	2,798	14,614
Japan Lb.	(a)	(a)	48,061	45,237	(a)	(a)
IMPORTS—						
United Kingdom Lb.	137,791	197,873	191,656	178,520	213,128	190,612
Belgium-Lux. E.U. Lb.	(a)	(a)	—	33,069	2,205	220
France (c) .. Lb.	46,959	9,259	39,904	50,045	44,754	36,156
Italy Lb.	(a)	(a)	(a)	(a)	(a)	7,937
Sweden Lb.	2,513	—	—	534	—	—
United States .. Lb.	171,581	363,312	246,552	123,135	99,865	209,596
Brazil Lb.	7,496	(a)	(a)	2,575	5,739	3,071
Peru (b) .. Lb.	—	231	2	—	117	88
TELLURIUM						
PRODUCTION—						
Canada Lb.	11,692	10,075	8,913	6,035	4,694	8,171
United States (g) Lb.	120,725	107,364	187,148	189,076	70,446	97,114
VERMICULITE						
PRODUCTION—						
Kenya Ton	5	4	3	—	73	720
Southern Rhodesia Ton	947	700	494	—	—	—
Union of South Africa Ton	20,861	41,753	24,120	32,641	30,218	40,744
Australia .. Ton	162	120	55	62	29	—
India Ton	—	52	232	22	—	3
United States (sales) Ton	150,731	185,800	186,614	186,523	169,228	174,587
EXPORTS—						
Union of South Africa Ton	10,342	21,762	19,069	27,138	30,646	36,537
Southern Rhodesia Ton	206	374	234	28	146	8
IMPORTS—						
Canada £	52,408	86,368	103,505	117,340	118,779	127,530
France Ton	(a)	(a)	500	2,598	3,636	3,477
Mexico Ton	158	99	126	797	343	449

(a) Information not available.

(b) Including salts.

(c) Including tellurium.

(d) Estimated.

(e) Including selenium content of compounds.

(f) In addition, 66,781 lb. of secondary selenium was recovered in 1952 and 126,532 lb. in 1954.

(g) Including tellurium content of compounds.

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