

IMPERIAL INSTITUTE.
Mineral Resources Department.

THE MINERAL INDUSTRY OF
THE BRITISH EMPIRE
AND
FOREIGN COUNTRIES.



STATISTICAL SUMMARY
(Production, Imports and Exports)
1930-1932



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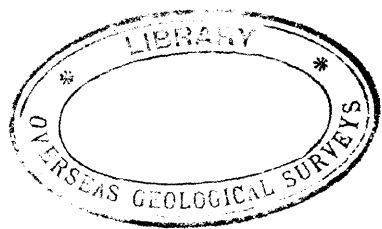
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1933

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INTRODUCTORY NOTE

Throughout the trade statistics in this document, materials imported or exported on government account have been included as far as possible.

Trade statistics for the United Kingdom include the trade of Great Britain and Northern Ireland with the Irish Free State, and exclude the direct foreign trade of the Irish Free State, which is given separately.

Export statistics for Germany include deliveries on reparations account up to June, 1932.

Trade statistics for Japan do not include trade between that country and the rest of the Japanese Empire. Trade figures for Korea and Formosa include the trade with all other parts of the Japanese Empire.

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.

Further particulars relating to the various minerals and metals referred to in this summary will be found in the brochures published by the Mineral Resources Department of the Imperial Institute (see lists on cover). These brochures contain much information which has a bearing on the statistical data recorded in this volume.

ABRASIVES

PRODUCTION OF NATURAL ABRASIVES

(Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE.			
Kenya—			
Corundum	(120 lb.)	—	
Southern Rhodesia—			
Corundum	9	—	—
Union of South Africa—			
Corundum	2,399	1,122	323
Canada—			
Grindstones	210	177	} 328
Pulpstones	512	305	
Sharpening stones	20	72	
India—			
Corundum	30	—	—
Garnet sand	7	—	147
New Zealand—			
Pumice (b)	2,559	2,321	3,166
FOREIGN COUNTRIES.			
Belgium—			
Grindstones (<i>number</i>)	141,020	67,600	(a)
France—			
Tripoli	4,200	(a)	(a)
Millstones	30,600	(a)	(a)
Sharpening stones	300	(a)	(a)
Germany (Bavaria)—			
Emery	188	217	(a)
Whetstones	13	8	(a)
Greece—			
Emery	12,399	11,445	25,000
Millstones (<i>number</i>)	—	1,878	(a)
Italy—			
Pumice	50,524	47,842	42,100
Grindstones	276	197	108
Sharpening stones	846	723	(a)
Whetstones	722	702	610

(a) Information not available.

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

PRODUCTION OF NATURAL ABRASIVES (*Cont.*)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Sweden—			
Millstones, etc.	39	56	(a)
Yugoslavia—			
Millstones (<i>number</i>)	1,041	(a)	(a)
Madagascar—			
Corundum	92	9	—
United States—			
Emery	496	457	223
Garnet	4,467	2,630	1,741
Pumice	50,753	61,446	47,513
Tripoli	28,963	23,823	13,192
Millstones, chasers, etc.	(£3,641)	(£1,162)	(£1,269)
Grindstones	12,999	6,245	5,358
Pulpstones	3,697	1,545	1,488
Oilstones, whetstones, etc.	581	330	296
Turkey—			
Emery	3,215	3,433	6,220
Millstones (<i>number</i>)	3,103	5,201	1,365

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

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

	1930	1931	1932
Silicon carbide	20,338	9,602	(a)
Fused alumina	38,298	31,947	(a)

(a) Information not available.

EXPORTS OF ABRASIVES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Natural abrasives	3,124	} 2,756	2,754
Artificial abrasives	291		
Oil stones	3	1	10
Grinding wheels of—			
Artificial corundum, etc. ..	30	15	68
Carborundum	226	149	166
Emery	126	85	107
Other hard abrasives	47	16	68
Grindstones, millstones and whetstones.. .. .	6,249	4,890	3,711
Union of South Africa—			
Corundum	2,492	680	301
Canada—			
Natural abrasives, including diatomaceous earth.. ..	333	642	1,001
Artificial abrasives	50,392	38,000	10,990
Artificial abrasive wheels, etc.	(£7,491)	(£4,099)	(£6,069)
Grindstones	(£2,397)	(£2,219)	(£1,890)
Hong Kong (including re-exports)—			
Emery, etc.	(b) (£7,595)	(£4,815)	(£3,955)
New Zealand—			
Pumice	2,549	2,321	3,166
FOREIGN COUNTRIES			
Austria—			
Emery	67	60	41
Pumice	79	54	37
Millstones	60	151	152
Grindstones, natural	128	118	85
do. artificial	120	93	69
Belgium-Luxemburg E. U.—			
Millstones and grindstones ..	505	252	157
Other abrasives	108	134	31
Bulgaria—			
Millstones, grindstones, etc. ..	96	108	68
Czechoslovakia—			
Carborundum	74	215	67
Emery and pumice	9	6	4
Grindstones, etc., natural ..	189	147	136
do. carborundum	314	294	309
do. emery, etc.. .. .	495	384	407
Other abrasives.. .. .	25	3	3

(b) April-December only.

EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France—			
Corundum and emery.. ..	2,347	1,504	409
Pumice	314	263	268
Millstones and grindstones ..	5,558	3,490	2,666
Whetstones	337	300	223
Carborundum	135	402	230
Other artificial abrasives ..	603	841	1,841
Germany—			
Emery	979	790	635
Carborundum	5,087	5,687	3,302
Millstones, grindstones, etc. ..	15,862	10,489	7,458
Other abrasives.. .. .	10,179	9,116	9,593
Greece—			
Emery	11,712	7,610	4,952
Hungary—			
Millstones	35	19	11
Grindstones	10	4	2
Italy—			
Emery and corundum	12	8	38
Pumice	40,180	35,117	33,029
Whetstones, natural	276	269	241
Grindstones, natural	38	28	19
Millstones, natural	118	84	58
do. artificial	3	10	2
Artificial abrasives	4	4	9
Netherlands—			
Emery	2,062	1,806	1,345
Norway—			
Millstones, grindstones, etc. ..	883	926	881
Poland—			
Millstones and grindstones ..	84	176	55
Roumania—			
Millstones	2	—	3
Grindstones	—	18	—
Sweden—			
Emery	10	5	1
Other natural abrasives	184	104	43
Carborundum, etc.	313	382	587
Grindstones, millstones, etc. ..	900	554	468
Switzerland—			
Carborundum, emery, etc., crude	37	18	60
do. do. ground	1,256	841	947
Grindstones	37	10	27

EXPORTS OF ABRASIVES (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Yugoslavia—			
Millstones	140	166	130
Grindstones, natural	571	342	245
do. artificial	10	7	4
Madagascar—			
Corundum	73	1	—
United States—			
Wheels of emery and corundum	214	128	69
Grindstones	2,230	1,074	1,374
Other natural abrasives ..	3,668	3,114	2,398
Crude artificial abrasives ..	6,740	5,907	3,107
Artificial abrasive wheels ..	2,138	1,471	811
Turkey—			
Emery and carborundum ..	517	152	1,168
Millstones and grindstones ..	190	164	50
Whetstones, pumice, etc. ..	1	1	—

IMPORTS OF ABRASIVES

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Emery	7,816	5,354	6,709
Artificial corundum	918	2,241	2,269
Carborundum	2,431	1,413	1,908
Other hard abrasives	17,373	10,272	8,802
Oil stones	9	2	3
Grinding wheels of—			
Artificial corundum, etc.	455	251	20
Carborundum	206	167	217
Emery	87	84	39
Other hard abrasives	33	16	17
Grindstones, millstones and whetstones	403	380	171
Irish Free State—			
Manufactured abrasives	(£31,868)	(£14,776)	(£14,131)
Kenya and Uganda—			
Grindstones	9	3	(£17)
Tanganyika—			
Grindstones	8	4	(£226)
Union of South Africa—			
Emery	6	8	5
Pumice	75	70	74
Other abrasives (<i>£ South African</i>)	(£3,192)	(£1,436)	(£1,107)
Emery and other wheels (<i>do.</i>)	(£9,253)	(£9,157)	(£7,289)
Grindstones, millstones, etc. (<i>£ South African</i>)	(£2,372)	(£1,570)	(£893)
Canada—			
Pumice, etc.	(£7,409)	(£7,303)	(£5,610)
Emery, ground	(£7,668)	(£5,565)	(£7,831)
Artificial abrasives, ground	(£42,094)	(£38,713)	(£38,692)
Carborundum, partly manu- factured	(£11,852)	—	—
Emery or carborundum manu- factures	(£57,144)	(£42,034)	(£50,404)
Grindstones	(£49,593)	(£25,926)	(£21,920)
Ceylon—			
Grindstones	(£1,142)	(£1,102)	(£1,023)
Hong Kong (total imports)—			
Emery, etc.	(b)(£4,909)	(£8,994)	(£8,722)
Australia—			
Abrasive	(£16,081)	(£10,393)	(£7,400)

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
New Zealand—			
Pumice	5	3	33
Grindstones, etc. (<i>£ New Zealand</i>)	(£4,577)	(£3,438)	(£2,985)
FOREIGN COUNTRIES			
Austria—			
Emery	449	402	307
Pumice	520	367	327
Millstones	460	394	217
Grindstones, natural	1,739	1,101	498
do. artificial	275	209	173
Belgium-Luxemburg E.U.—			
Millstones and grindstones	1,433	1,502	1,006
Other abrasives	3,750	7,582	4,574
Bulgaria—			
Millstones, grindstones, etc.	339	296	271
Czechoslovakia—			
Emery	464	365	309
Pumice	18	18	30
Carborundum	572	574	369
Grindstones, etc.—natural	1,800	1,079	757
do. carborundum	34	20	21
do. emery, etc.	161	154	88
Other abrasives	4	18	1
Denmark—			
Emery, etc.	134	112	105
Pumice	204	209	162
Millstones and grindstones	521	374	210
Estonia—			
Grindstones, etc.—natural	448	454	358
do. artificial	15	12	9
Millstones	52	17	18
Finland—			
Emery	118	88	150
Pumice	107	54	57
Other natural abrasives	22	10	12
Whetstones, grindstones, etc.—			
Natural	633	176	142
Artificial	1,236	1,053	1,066

(b) April-December only.

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France—			
Corundum and emery	3,405	2,107	1,184
Pumice	18,946	17,042	26,889
Millstones and grindstones	212	284	294
Whetstones	730	364	236
Carborundum	920	651	443
Other artificial abrasives	596	585	266
Germany—			
Emery	3,519	1,925	1,708
Carborundum	3,166	2,535	1,940
Millstones, grindstones, etc.	1,691	1,011	719
Other abrasives	77	96	63
Hungary—			
Emery	46	57	32
Millstones	67	46	29
Grindstones	971	494	493
Iceland—			
Grindstones	23	(a)	(a)
Italy—			
Emery and corundum	870	448	328
Pumice	1	2	—
Artificial abrasives	478	416	557
Whetstones, natural	130	142	102
Grindstones, natural	1,134	665	615
Millstones, natural	165	148	75
do. artificial	214	199	208
Latvia—			
Emery	22	13	5
Pumice	28	15	19
Grindstones, etc.	302	218	64
Lithuania—			
Emery, etc.	54	54	98
Netherlands—			
Emery	2,940	1,318	1,770
Norway—			
Emery grains	324	249	334
Millstones, grindstones, etc.	1,738	1,338	1,732
Poland—			
Grindstones	461	233	239
Millstones	172	109	81
Other abrasives	549	471	237
Portugal—			
Emery	73	86	43

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Emery, etc.	48	82	34
Millstones	470	222	167
Grindstones	523	415	247
Spain (total imports)—			
Emery	86	59	120
Carborundum	15	10	39
Sweden—			
Emery	482	515	438
Other natural abrasives	843	1,286	807
Carborundum, etc.	180	208	167
Millstones, grindstones, etc.	1,840	1,413	1,088
Switzerland—			
Carborundum, emery, etc., crude	251	88	69
do. do. ground	325	216	207
Millstones	110	138	64
Grindstones	883	723	605
Whetstones	48	41	49
U.S.S.R. (Russia)—			
Pumice	160	—	—
Emery and corundum, ground	90	7	2
Millstones, natural	80	122	140
do. artificial	760	343	576
Other abrasives, natural	59	—	—
do. artificial	1,970	2,980	1,542
Yugoslavia—			
Millstones	88	50	35
Grindstones, natural	168	69	34
do. artificial	147	124	51
Other abrasives	218	169	122
Algeria—			
Emery	20	69	79
Pumice	89	101	(a)
Millstones and grindstones	274	173	251
Egypt—			
Emery, pumice, etc.	47	75	283
Millstones	326	296	232
Grindstones	141	124	116
Whetstones	45	32	35

(a) Information not available.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Morocco—			
Millstones and grindstones ..	73	88	49
Tunis—			
Emery and pumice	37	137	61
Millstones and grindstones ..	38	68	24
Cuba (total imports)—			
Grindstones	958	446	(a)
Mexico—			
Emery	708	172	(a)
Pumice	2	2	(a)
United States—			
Corundum, crude (total imports)	2,794	639	168
Emery, crude (total imports) ..	3,796	2,103	602
Corundum and emery, ground	267	56	10
Pumice	5,810	5,846	3,962
Tripoli, etc.	4,858	3,650	1,873
Grindstones	765	571	277
Crude artificial abrasives (total imports)	50,151	35,078	7,631
Argentina—			
Emery	313	188	131
Pumice	101	58	38
Grindstones	652	322	394
Oil stones	32	9	4
Brazil (total imports)—			
Emery and glass powder ..	58	66	105
Chile—			
Emery, pumice, etc.	64	14	6
Colombia—			
Emery and pumice	5	(a)	(a)
Grindstones	6	(a)	(a)
Ecuador—			
Millstones and grindstones ..	50	31	(a)
Other abrasives	6	7	(a)
Peru—			
Emery and pumice	8	8	6
Grindstones	6	4	6

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Venezuela—			
Emery and pumice	4	4	3
Millstones and grindstones ..	366	203	258
China—			
Corundum	33	11	6
French Indo-China—			
Emery and corundum, ground	210	128	113
Pumice	6	1	3
Grindstones and millstones ..	62	39	31
Japan (total imports)—			
Abrasives	2,613	3,226	3,048
Grindstones, artificial	64	37	25
Netherlands East Indies—			
Emery	73	27	(a)
Syria and Lebanon—			
Emery	34	12	12
Turkey—			
Emery and carborundum, crude	31	6	8
Millstones and grindstones ..	172	147	148
Whetstones, pumice, etc. ..	42	81	72

(a) Information not available.

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

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Northern Ireland	2,037	3,340	1,473
British Guiana—			
60% or more alumina ..	120,083	124,963	65,107
30-50% alumina (b) ..	26,913	32,115	18,396
India	2,514	—	—
Australia—			
New South Wales ..	—	196	—
Victoria	789	1,384	(a)
Total ..	152,000	162,000	86,000
FOREIGN COUNTRIES			
France	599,600	342,452	387,446
Germany	1,369	—	1,612
Greece	2,244	1,132	1,000
Hungary	31,195	84,379	109,796
Italy	158,641	66,305	85,186
Roumania	667	375	(a)
Spain	318	—	(a)
U.S.S.R. (Russia) (years ended Sept. 30).	12,000	(a)	(a)
Yugoslavia	93,204	61,039	66,027
United States	330,612	195,895	96,349
Dutch Guiana	260,377	170,419	124,518
Total ..	1,490,000	(c) 920,000	(c) 870,000
WORLD'S TOTAL ..	1,640,000	(c) 1,080,000	(c) 960,000

(a) Information not available.

(b) Ore remains at the mines.

(c) Excluding the production in Austria and U.S.S.R (Russia) which is not available.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1930	35,671
1931	17,427
1932	17,592

ESTIMATED PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	13,000	14,000	10,000
Canada	32,000	28,000	17,500
Total ..	45,000	42,000	27,500
FOREIGN COUNTRIES			
Austria	3,000	3,000	2,000
France	(c) 24,251	19,000	14,300
Germany	30,200	27,000	18,700
Italy (c)	7,842	10,931	13,201
Norway (c)	26,925	21,082	17,506
Spain	(c) 1,100	(c) 1,134	1,000
Switzerland	20,800	13,000	8,000
U.S.S.R. (Russia)	(b) 200	(a)	1,000
United States (c) (d) ..	102,248	79,261	46,824
Total ..	217,000	175,000	123,000
WORLD'S TOTAL ..	262,000	217,000	150,000

(a) Information not available.

(b) Year ended April 30, 1931.

(c) Official figures.

(d) Secondary metal was recovered as follows:—1930: 34,464 long tons; 1931: 27,054 long tons; 1932: 21,400 long tons.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Alumina	13,654	5,847	10,876
Ingots, etc., alloy and scrap ..	4,124	3,987	3,439
Sheets, tubes, wire, etc. ..	3,744	2,016	2,515
Aluminium sulphates	11,052	11,956	16,346
Canada—			
Blocks, bars, scrap, etc. ..	20,516	11,281	8,775
British Guiana—			
Bauxite	119,616	125,095	64,888
British India—			
Bauxite	2,686	828	(a)
British Malaya (including re- exports)—			
Aluminium sulphate	2,627	6,473	1,226
Hong Kong (including re-exports)—			
Aluminium sulphates	(b)1,831	1,080	1,011
Australia—			
Aluminium (£ <i>Australian</i>) ..	(£1,203)	(£980)	(£165)
Aluminium sulphates	3	—	—
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys ..	2,994	4,421	1,263
Sheets, rods, wire, etc. ..	7	3	4
Foil	14	11	7
Aluminium sulphates	841	274	293
Belgium-Luxemburg E.U.—			
Bauxite, etc.	33	29	—
Alumina	3	1	1
Aluminium hydrates	16	43	50
Crude and scrap	525	383	775
Sheets, wire, etc.	28	139	60
Aluminium sulphates	7,586	11,509	13,708
Czechoslovakia—			
Cryolite	5	12	3
Denmark—			
Refined cryolite	15,604	10,897	6,632

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite	254,589	165,187	209,131
Alumina	20,835	14,971	17,160
Aluminium hydrates	4,720	5,593	5,106
Ingots and scrap	3,018	245	825
Sheets, wire, etc.	2,031	2,248	462
Aluminium sulphates	21,107	12,750	5,869
Germany—			
Bauxite and cryolite	123	544	634
Crude, scrap and alloys	5,526	4,588	2,501
Sheets, wire, castings, etc.	4,725	4,932	3,069
Foil	3,491	4,668	5,072
Aluminium sulphates, etc., in- cluding refined bauxite	94,157	66,639	50,593
Hungary—			
Bauxite	82,608	74,705	71,292
Crude, scrap and alloys	33	27	22
Bars, sheets and wire	7	1	1
Aluminium sulphates	9	2	18
Italy—			
Crude, scrap and alloys	634	2,850	1,292
Sheets, tubes, etc. and alloys	64	57	990
Aluminium sulphates	84	52	57
Netherlands—			
Crude and scrap	409	400	353
Foil	51	31	34
Aluminium sulphates	274	—	1
Norway—			
Alumina	(a)	(a)	293
Ingots and scrap	23,487	24,047	13,647
Bars, sheets, tubes and wire	487	1,070	1,395
Poland—			
Crude and sheets	9	52	52
Roumania—			
Bauxite	10	1	—
Scrap	5	4	—
Spain (including re-exports)—			
Alumina	34	29	1
Ingots and scrap	30	307	304
Sweden—			
Crude, sheets and strips	33	99	41
Aluminium sulphates	12,505	10,293	13,205

(a) Information not available.

(b) April-December only.

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Alumina, etc.	4	29	44
Blocks, ingots, etc., and scrap..	9,087	8,793	2,622
do. (alloys)	1,642	1,348	475
Bars, sheets, tubes and wire ..	1,210	822	262
do. (alloys)	52	94	89
U.S.S.R. (Russia)—			
Bauxite	14	—	—
Yugoslavia—			
Bauxite	59,634	47,594	63,754
Scrap	2	—	19
Algeria—			
Ingots	48	24	(a)
Greenland—			
Cryolite	35,671	17,427	17,592
United States—			
Bauxite, etc.	104,504	88,370	28,474
Ingots, scrap and alloys ..	271	674	1,743
Plates, sheets, etc. .. .	7,465	1,424	237
Aluminium sulphates .. .	22,549	24,703	19,241
Dutch Guiana—			
Bauxite	258,861	187,586	124,522
China—			
Aluminium sulphates .. .	2,266	1,776	3,096
French Indo-China—			
Ingots, bars, etc. .. .	21	17	—
Japan—			
Plates and sheets .. .	684	207	332
Turkey—			
Ingots, sheets and alloys ..	24	1	1

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Bauxite	140,027	87,628	121,926
Cryolite	2,621	3,174	1,279
Alumina	1,082	1,705	1,799
Ingots, etc., alloy and scrap ..	18,310	16,916	7,913
Sheets, tubes, wire, etc. ..	5,420	5,248	1,380
Aluminium sulphates	23,877	23,804	11,706
Kenya and Uganda—			
Sheets and wire	91	166	136
Northern Rhodesia—			
Bars, etc.	60	63	—
Southern Rhodesia—			
Ingots and bars	440	22	1
Union of South Africa—			
Ingots, bars, sheet and foil ..	142	214	120
Aluminium sulphates	188	142	118
Canada—			
Bauxite	95,360	84,651	46,114
Cryolite	2,123	2,202	78
Alumina	62	893	30
Ingots, rods, sheets, etc. ..	1,832	973	690
Leaf and foil	(£47,911)	(£27,036)	(£28,399)
Aluminium sulphates	23,013	21,448	23,264
Newfoundland (years ended June 30)—			
Aluminium sulphates	(£8,846)	(£5,856)	(£5,360)
British India (total imports)—			
Ingots, blocks, bars, etc. ..	49	2	12
Sheets and circles	7,258	2,195	871
Aluminium sulphates	4,668	3,897	2,889
British Malaya (total imports)—			
Aluminium sulphates	3,116	3,155	2,299
Hong Kong (total imports)—			
Aluminium sulphates	(b)905	921	1,374
Australia—			
Cryolite	110	153	69
Pigs, ingots, blocks, etc. ..	253	37	120
Sheets, pipes, tubes, rods, etc.	848	336	710
Aluminium sulphates	217	71	47

(b) April-December only.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
New Zealand—			
Bars, sheets, tubes, wire, etc...	37	25	36
Aluminium sulphates	32	(a)	(a)
FOREIGN COUNTRIES			
Austria—			
Bauxite	621	589	176
Cryolite	647	110	54
Alumina	8,308	5,590	3,821
Aluminium hydrates	1,485	1,287	1,109
Crude, scrap and alloys	369	348	127
Sheets, rods, wire, etc.	453	550	377
Foil	50	67	29
Aluminium sulphates	358	691	52
Belgium-Luxemburg E.U.—			
Bauxite, etc.	2,456	2,563	1,586
Alumina	6	4	8
Aluminium hydrates	4,222	4,161	6,035
Crude and scrap	1,448	2,522	818
Sheets, wire, etc.	604	452	273
Aluminium sulphates	1,834	1,158	926
Bulgaria—			
Crude, bars and sheets	(a)	69	65
Aluminium sulphates	198	443	351
Czechoslovakia—			
Cryolite	315	279	229
Sheets and plates	207	134	69
Denmark—			
Crude cryolite	27,346	9,342	14,697
Crude and scrap	221	261	265
Leaf	114	120	127
Aluminium sulphates	1,479	1,502	1,795
Estonia—			
Crude, sheets, etc.	4	5	4
Aluminium sulphates	997	782	667
Finland—			
Crude and scrap	21	17	20
Plates and sheets	110	75	89
Aluminium sulphates	5,761	5,244	5,925

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite	53	3	246
Alumina	2	2	5
Aluminium hydrates	6	5	18
Ingots and scrap	330	174	278
Sheets, wire, etc.	296	569	590
Aluminium sulphates	539	457	510
Germany—			
Bauxite and cryolite	295,634	207,657	197,561
Crude, scrap and alloys	9,536	4,597	1,740
Sheets, wire, etc.	413	203	195
Aluminium sulphates, etc., including refined bauxite	87	41	230
Greece—			
Aluminium	49	65	48
Hungary—			
Bauxite	11	1	—
Crude, scrap and alloys	344	305	271
Bars, sheets and wire	33	22	7
Aluminium sulphates	750	200	281
Iceland—			
Aluminium sulphates	5	(a)	(a)
Italy—			
Alumina	17,419	1,720	2,220
Aluminium hydrates	891	737	226
Crude, scrap and alloys	941	1,079	79
Sheets, tubes, powder and alloys	579	457	124
Aluminium sulphates	5,047	4,049	1,718
Latvia—			
Ingots, sheets, scrap, etc.	90	64	43
Aluminium sulphates	1,040	555	584
Netherlands—			
Crude and scrap	965	671	580
Foil	146	417	476
Aluminium sulphates	5,611	6,483	5,806
Norway—			
Bauxite	18,906	16,985	19,113
Cryolite	2,028	1,497	735
Alumina	48,725	31,056	23,052
Crude aluminium	7	35	1,707
Bars, sheets, etc.	193	116	33
Aluminium sulphates	4,466	2,738	4,020

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bauxite	546	1,928	229
Crude and scrap	439	293	446
Sheets and wire	361	288	114
Sulphates	107	91	76
Portugal—			
Aluminium and alloys	130	117	107
Aluminium sulphates	428	446	451
Roumania—			
Crude and scrap	32	34	20
Sheets and wire	26	54	16
Aluminium sulphates	394	391	467
Spain (total imports)—			
Alumina	4,008	3,525	3,839
Ingots and scrap	153	57	10
Bars, sheets, tubes and wire	67	42	31
Aluminium sulphates	190	141	149
Sweden—			
Crude	2,113	1,885	1,342
Sheets and strips	460	345	285
Aluminium sulphates	1,686	1,471	878
Switzerland—			
Alumina, etc.	34,731	23,413	17,461
Blocks, ingots, etc., and scrap	1,935	489	6
do. (alloys).. .. .	53	30	3
Bars, sheets, tubes and wire	54	18	15
do. (alloys).. .. .	31	18	7
Aluminium sulphates	255	206	121
U.S.S.R. (Russia)—			
Ingots, sheets, etc.	9,858	20,048	10,267
Yugoslavia—			
Bauxite	1,170	6,464	1,700
Crude aluminium	24	24	40
Sheets, pipes and wire	80	80	64
Aluminium sulphates	203	246	143
Egypt—			
Crude, sheets, scrap, etc.	(c)33	15	(b) 41
Aluminium sulphates	2,617	1,825	1,350
French West Africa—			
Aluminium	12	—	—
Morocco—			
Aluminium sulphates	111	163	(a)

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Tunis—			
Aluminium sulphates	63	73	110
Mexico—			
Ingots, bars and sheets	85	832	(a)
United States—			
Bauxite	415,058	306,490	205,620
Cryolite	8,315	7,908	3,782
Crude, scrap, etc. (b)	10,937	6,163	3,574
Sheets, bars, etc. (b)	22	75	54
Refined bauxite	114	146	116
Aluminium sulphates	1,374	1,145	850
Argentina—			
Ingots, sheets and wire	424	274	274
Aluminium sulphates	6,176	6,565	4,034
Brazil (total imports)—			
Bars, sheets and wire	512	409	546
Chile—			
Bars and sheets	50	50	2
Aluminium sulphates	461	159	2
Colombia—			
Ingots, bars, etc.	5	(a)	(a)
Aluminium sulphates	239	(a)	(a)
Ecuador—			
Bars, sheets, tubes and wire	1	1	(a)
Aluminium sulphates	14	18	(a)
Peru—			
Aluminium sulphates	312	423	474
Venezuela—			
Crude	1	1	4
Aluminium sulphates	61	8	58
China—			
Crude	(a)	(a)	315
Sheets	435	425	851
Foil	1,887	1,487	941
Formosa—			
Aluminium sulphates	178	180	(a)
French Indo-China—			
Crude	50	34	17
Aluminium sulphates	779	564	566

(a) Information not available.

(b) Total imports.

(c) March-December only.

IMPORTS OF ALUMINIUM, ETC. (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Iraq (years ended Mar. 31)—			
Aluminium sulphates	56	48	94
Japan (total imports)—			
Cryolite	2,949	279	393
Ingots, blocks, etc.	10,792	2,744	4,718
Netherlands East Indies—			
Ingots, sheets, wire and alloys	722	576	(a)
Aluminium sulphates	5,449	4,744	(a)
Syria and Lebanon—			
Aluminium sulphates	100	139	89
Turkey—			
Bars, sheets, wire and alloys ..	18	34	33
Aluminium sulphates	156	185	260

(a) Information not available.

ANTIMONY

PRODUCTION OF ANTIMONY ORE

(In terms of metal)

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Southern Rhodesia	34	—	—
Canada (ore)	—	22	—
India (ore)	3	—	—
Australia (estimated) ..	55	42	60
FOREIGN COUNTRIES			
Czechoslovakia	378	556	567
France	1,220	812	300
Greece	66	268	(a)
Italy	406	331	405
Yugoslavia	2	40	(a)
Algeria	—	100	261
Morocco (Spanish) ..	—	100	(a)
Mexico	2,984	5,357	1,317
United States	—	—	374
Bolivia (exports) ..	1,141	1,327	1,446
Peru	60	(b) 29	(b) 18
China	16,917	18,320	(a)
Japan	—	1	(a)
Turkey	34	21	—
WORLD'S TOTAL	23,000	27,000	(a)

(a) Information not available.

(b) Exports.

EXPORTS OF ANTIMONY, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Regulus	534	238	237
Southern Rhodesia—			
Ore	69	27	—
Hong Kong (including re-exports)—			
Ore	(b)341	—	264
Crude regulus and scrap	(b) 46	29	89
Australia			
Ores (<i>Sb content</i>) (c)	—	597	—
Regulus and alloys (<i>£ Australian</i>)	(£500)	(£650)	(£93)
FOREIGN COUNTRIES			
Austria—			
Ore	21	—	—
Regulus	20	14	17
Belgium-Luxemburg E.U.—			
Ore	144	112	7
Regulus	714	1,268	962
Czechoslovakia—			
Regulus	417	325	439
Compounds	22	5	10
France—			
Ore	396	5	47
Crude and regulus	94	43	26
Oxide and sulphide	374	257	213
Germany—			
Ore, including arsenical ores	150	74	38
Regulus and scrap	146	156	108
Italy—			
Regulus	2	2	—
Netherlands—			
Regulus	3	13	36
Poland—			
Ore and regulus	—	1	—

EXPORTS OF ANTIMONY, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Spain (including re-exports)—			
Regulus	—	64	—
Sweden—			
Ore	175	141	121
Yugoslavia—			
Ore	—	131	—
Algeria—			
Ore	—	753	—
Mexico—			
Ore and metal (<i>Sb content</i>) ..	2,916	5,020	(a)
Bolivia—			
Ore (<i>Sb content</i>)	1,141	1,327	1,446
Peru—			
Ore (<i>Sb content</i>)	58	29	18
China—			
Crude	2,290	1,117	1,865
Regulus	15,770	8,653	9,976
Oxide	(a)	567	1,121
French Indo-China—			
Ore	10	—	—
Japan—			
Regulus	73	41	60
Turkey—			
Ore	1,649	29	44
Regulus	3	25	—

(a) Information not available.

(b) April–December only.

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

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude	326	313	832
Regulus	3,619	4,050	2,999
Union of South Africa—			
Crude and regulus	104	66	6
Canada—			
Regulus	582	411	282
Hong Kong (including re-exports)—			
Ore	(b)260	19	177
Crude, regulus and scrap	(b)157	59	124
Australia—			
Ore	49	24	262
Crude and regulus	124	76	80
Sulphide	4	12	30
New Zealand—			
Antimony	32	16	12
FOREIGN COUNTRIES			
Austria—			
Ore	—	12	10
Regulus	101	114	85
Belgium-Luxemburg E.U.—			
Ore	6,213	2,876	2,182
Regulus	227	185	381
Czechoslovakia—			
Regulus	115	105	61
Compounds	19	3	9
Denmark—			
Regulus and scrap	103	102	127
Estonia—			
Crude and regulus	10	7	3
Finland—			
Ore	10	7	9
France—			
Ore	1,150	1,630	972
Crude and regulus	1,541	1,227	635
Oxide and sulphide	58	69	66

IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore and matte	792	305	146
Regulus and scrap	2,369	2,180	1,232
Hungary—			
Sulphide	2	1	(a)
Italy—			
Regulus	439	432	413
Oxide	56	41	22
Latvia—			
Regulus	10	1	3
Netherlands—			
Regulus	141	104	87
Norway—			
Regulus	38	37	42
Poland—			
Ore and regulus	127	161	112
Oxide and sulphide	99	58	55
Portugal—			
Crude and alloys	13	9	4
Sulphide	14	13	19
Roumania—			
Regulus	30	24	27
Oxide	2	2	1
Sulphide	3	1	10
Spain (total imports)—			
Regulus	100	3	3
Sulphide	53	55	52
Sweden—			
Ore	344	268	126
Switzerland—			
Ore	186	108	72
U.S.S.R. (Russia)—			
Regulus and oxide	1,458	1,158	736
Yugoslavia—			
Ore	1	1	5
Regulus	58	75	6
Algeria—			
Regulus	26	20	(a)
Tunis—			
Regulus and sulphide	(a)	7	6
United States—			
Ore (<i>Sb content</i>)	771	4,342	1,186
Regulus and crude	7,155	4,017	1,680

(a) Information not available.

(b) April-December only.

IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Regulus and crude	108	104	68
Chile—			
Regulus	38	352	250
Sulphide	7	6	(a)
Colombia—			
Crude and alloys	21	(a)	(a)
Regulus.. .. .	11	(a)	(a)
Peru—			
Regulus	4	2	3
China—			
Regulus	(a)	(a)	8
French Indo-China—			
Regulus	4	4	—
Sulphide	9	11	6
Japan (total imports)—..			
Antimony and regulus	1,640	2,117	2,019
Netherlands East Indies—			
Antimony	32	40	(a)
Turkey—			
Ore and regulus	32	9	—

(a) Information not available.

ARSENIC

PRODUCTION OF ARSENIC

(Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom— White arsenic and arsenic soot	579	177	247
Southern Rhodesia— White arsenic	49	—	—
Union of South Africa— White arsenic	15	9	4
Canada (<i>sales</i>)— Gold concentrates (<i>As₂O₃</i> <i>content</i>)	903	—	—
White arsenic	1,116	1,596	1,082
Federated Malay States— Arsenic	225	133	—
Australia— White arsenic	796	1,070	1,964
FOREIGN COUNTRIES			
Belgium (exports)— White arsenic	3,062	2,462	2,013
Czechoslovakia— Arsenical pyrites, etc. (<i>As</i> <i>content</i>)	2	—	(a)
France— Ore (<i>As content</i>)	5,065	5,680	(a)
White arsenic	3,888	4,300	(a)
Germany— Ore (<i>As content</i>)	1,829	1,821	200
Greece— White arsenic	828	649	379

(a) Information not available.

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Portugal— White arsenic	—	156	10
Sweden— Ore (<i>As content</i>)	4,281	11,005	(a)
Yugoslavia— Ore	7	—	(a)
Algeria— Arsenate of lead (<i>As content</i>)	346	—	—
Mexico— White arsenic (<i>As content</i>) ..	9,819	6,406	3,707
United States— White arsenic	15,229	15,301	11,343
Brazil— White arsenic	—	176	(a)
China— White arsenic	967	500	(a)
Japan— White arsenic	1,627	2,547	(a)
Turkey— Ore (<i>As content</i>)	22	22	3

Note.—About 5,000 tons of ore were recorded as produced in the U.S.S.R. (Russia) during 1927—later figures are not available.

White arsenic is produced in Germany.

(a) Information not available.

EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic.. .. .	1	—	1
White arsenic	52	8	9
Other compounds of arsenic ..	252	172	70
Southern Rhodesia—			
White arsenic	24	—	—
Canada—			
White arsenic, etc.	1,043	1,381	798
British Malaya—			
Arsenic	225	133	—
Hong Kong (including re-exports)—			
Arsenic	(b) 4	7	3
Australia (years ended June 30)—			
Metallic arsenic	485	204	1
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore	13	3	—
Sulphide	21	43	23
Metallic arsenic	94	—	1
White arsenic	3,062	2,462	2,013
France—			
Ore	2	—	18
Sulphide	19	10	3
White arsenic	2,539	4,368	4,033
Arsenate of lead	62	53	272
Other arsenates	817	174	247

(b) April-December only.

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Germany—			
Ore, including antimony ore ..	150	74	38
White arsenic	4,541	4,355	3,404
Greece—			
White arsenic	593	705	296
Sweden—			
Ore	18,631	15,885	7,874
Mexico—			
White arsenic (<i>As content</i>) ..	9,889	6,401	3,825
United States—			
Arsenate of lead	1,014	798	531
Arsenate of lime	1,418	958	1,131
China—			
Ore	(a)	(a)	49
Arsenic	(a)	(a)	17
Japan—			
White arsenic	1,322	2,355	2,189
Turkey—			
Ore	(a)	44	15

(a) Information not available.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic	27	17	75
White arsenic	3,076	3,333	4,004
Other compounds	113	182	129
Union of South Africa—			
Arsenate of sodium	983	814	872
Canada—			
Sulphide	11	5	50
White arsenic	5	75	190
Arsenate of lead	477	557	371
Other arsenates	293	367	235
British India (total imports)—			
Arsenic and its oxides	96	106	133
Hong Kong (total imports)—			
Arsenic	—	6	44
Australia—			
White arsenic and compounds	1,099	734	416
New Zealand—			
White arsenic, etc.	62	36	70
Arsenates	40	(a)	(a)
FOREIGN COUNTRIES			
Austria—			
Sulphide	7	6	8
Belgium-Luxemburg E.U.—			
Ore	3,720	4,405	3,226
Sulphide	8	7	2
Metallic arsenic	6	8	27
White arsenic	57	6	15

(a) Information not available.

IMPORTS OF ARSENIC (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia—			
Sulphide	39	27	45
Metallic arsenic	43	9	26
White arsenic	110	160	71
France—			
Ore	1	82	—
Sulphide	1	2	3
Metallic arsenic	26	22	16
White arsenic	270	147	77
Arsenate of lead	2	1	6
Germany—			
Ore	3,041	5,945	—
White arsenic	175	244	98
Italy—			
Metallic arsenic	7	6	4
White arsenic	501	495	505
Latvia—			
White arsenic	11	5	4
Norway—			
Ore	2,854	—	—
Poland—			
Metallic arsenic	5	3	3
White arsenic	13	9	6
Sulphides	6	11	6
Portugal—			
Arsenates	5	2	2
White arsenic	8	6	10
Roumania—			
White arsenic	9	4	7
Spain (total imports)—			
Arsenic	39	25	2
Yugoslavia—			
Metallic and white arsenic	6	8	5
Sulphide.. .. .	9	3	2

IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Arsenates	520	112	(a)
Madagascar—			
Arsenates	11	7	(a)
Tunis—			
Sulphide	(a)	5	6
Arsenates	(a)	1	32
United States—			
White arsenic	9,625	6,956	6,145
Sulphide.. .. .	248	267	224
Argentina—			
White arsenic	273	647	328
Sulphide	2	4	5
Compounds	12	13	
Chile—			
White arsenic, etc.	18	3	(a)
Arsenate of lead	31	21	40
Other arsenic compounds	11	3	1
Colombia—			
White arsenic	2	(a)	(a)
Peru—			
Arsenate of lead	5	2	—
Arsenate of lime	930	592	766
French Indo-China—			
White arsenic	2	—	—
Sulphides	5	1	1
Arsenates	1	—	—
Netherlands East Indies—			
Arsenate of lead	815	761	(a)
Turkey—			
Arsenic compounds	7	29	12

(a) Information not available.

ASBESTOS**PRODUCTION OF ASBESTOS,
(Long tons)**

Producing Country	1930	1931	1932		
BRITISH EMPIRE					
Southern Rhodesia	33,720	21,466	14,077		
Swaziland	—	—	4		
Union of South Africa (b) ..	23,083	11,480	7,844		
Canada—					
Chrysotile	251,019	141,470	(c) 112,902		
Crude	3,545	2,202	421		
Spinning fibre	12,886	10,115	5,361		
Shingle fibre	20,170	9,782	5,915		
Paper fibre	} 178,053	} 33,260	} 29,191		
Waste, stucco or plaster ..				5,650	3,557
Refuse or shorts				74,024	65,356
Sand and gravel	36,365	6,437	3,101		
Actinolite	30	31	—		
Cyprus	7,256	1,138	1,520		
India	33	6	90		
Australia	82	128	130		
Total	315,000	176,000	136,000		
FOREIGN COUNTRIES					
Finland (Amphibole)	1,061	572	(a)		
France	495	500	(a)		
Greece	2	10	(a)		
Italy	710	571	(a)		
U.S.S.R. (Russia)	53,228	63,653	(a)		
Mozambique	16	(a)	(a)		
United States (sales)—					
Amphibole	526	331	} 3,178		
Chrysotile	3,262	2,551			
China	310	260	(a)		
Japan (estimated)	1,000	1,000	1,000		
Turkey	—	4	—		
Total	61,000	69,000	(a)		
WORLD'S TOTAL	376,000	245,000	(a)		

(a) Information not available.

(b) Production is not available by kinds, but sales were as follows:—

	1930.	1931.	1932.
Amosite	2,930 long tons.	1,863 long tons.	1,242 long tons.
Blue	4,894 " "	3,259 " "	2,647 " "
Chrysotile	9,392 " "	8,873 " "	6,888 " "

(c) Sales and shipments.

EXPORTS OF ASBESTOS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre	691	712	323
Waste, including asbestic	19	58	47
Manufactured	28,088	21,398	14,379
Southern Rhodesia—			
Unmanufactured	31,543	25,007	12,385
Manufactured	(£10)	—	—
Union of South Africa—			
Unmanufactured	10,756	13,526	10,287
Manufactured (£ <i>South African</i>)	(£281)	(£82)	(£6)
Canada—			
Unmanufactured	93,091	63,306	38,090
Sand and waste	117,177	79,049	62,294
Manufactured	(£41,015)	(£24,071)	(£18,922)
British Malaya (including re- exports)—			
Manufactured	124	86	40
Cyprus—			
Unmanufactured	5,399	3,571	1,600
Hong Kong (including re-exports)—			
Packing and manufactures ..	(b)(£2,188)	(£842)	(£2,746)
Australia (including re-exports)—			
Packing (£ <i>Australian</i>) ..	(£935)	(£1,684)	(£725)
New Zealand—			
Manufactured (£ <i>New Zealand</i>)	(£265)	(£262)	(£52)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	114	81	110
Spun and woven	128	76	51
Paper and board	141	130	110
Cement sheets	54	25	7
Other manufactures	14	9	10
Belgium-Luxemburg E.U.—			
Unmanufactured	314	237	198
Spun and woven	114	63	53
Paper and board	484	339	310
Other manufactures	50	22	8

(b) April-December only.

EXPORTS OF ASBESTOS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Unmanufactured	264	461	398
Spun and woven	28	54	30
Paper and board	554	541	187
Other manufactures	141	102	45
France—			
Spun and woven	395	245	188
Paper and board	262	280	163
Germany—			
Unmanufactured	392	553	283
Spun and woven	1,133	1,131	676
Paper and board	2,781	2,557	1,902
Other manufactures	570	535	413
Hungary—			
Unmanufactured	2	—	(a)
Manufactured	108	171	129
Italy—			
Unmanufactured	349	141	898
Spun and woven	278	149	65
Paper and board	59	52	36
Cement products	10,762	7,368	2,270
Other manufactures	19	72	35
Netherlands	227	5	6
Poland—			
Unmanufactured	—	6	2
Manufactured	5	54	19
Spain (including re-exports)—			
Unmanufactured	30	180	1
Manufactured	94	76	49
Sweden—			
Unmanufactured	1	2	3
Manufactured	7	5	5
Switzerland (including mica)—			
Unmanufactured	8	9	30
Manufactured	437	293	135
U.S.S.R. (Russia)	15,500	13,030	15,664
United States—			
Unmanufactured	688	1,530	1,524
Spun and woven	797	567	404
Paper and board	856	567	262
Brake linings	(£282,202)	(£249,000)	(£198,000)
Pipe covering and cement	2,976	938	1,095
Roofing squares	(£80,838)	(£109,000)	(£17,000)
Other manufactures	2,133	1,068	578
Japan	(£18,883)	(£15,992)	(£20,078)

(a) Information not available.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre	21,075	18,104	16,761
Waste, including asbestic	2,486	1,329	461
Manufactured	34,099	25,980	5,652
Irish Free State—			
Manufactured	6,366	8,279	6,383
Kenya and Uganda—			
Manufactured	122	482	274
Mauritius—			
Manufactured	(a)	10	(a)
Southern Rhodesia (total imports)—			
Cement sheets (<i>£ South African</i>)	(£8,722)	(£3,679)	(£66)
Other manufactures (<i>do.</i>) ..	(£1,797)	(£234)	(£385)
South West Africa—			
Cement sheets (<i>£ South African</i>)	(£2,092)	(£263)	(£39)
Other manufactures (<i>do.</i>) ..	(£36)	(£1)	(£2)
Tanganyika—			
Manufactured	337	132	73
Union of South Africa—			
Packing (<i>£ South African</i>) ..	(£27,957)	(£17,831)	(£11,311)
Cement Products (<i>do.</i>) ..	(£14,641)	(£16,670)	(£5,422)
Other manufactures (<i>do.</i>)	(£300)	(£1,493)	(£960)
Canada—			
Packing	78	62	49
Other manufactures	(£162,541)	(£116,756)	(£105,578)
Newfoundland (years ended June 30)—			
Shingles	(£3)	—	—
Other asbestos	(£797)	(£495)	(£327)

(a) Information not available.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Packing	(£35,653)	(£27,600)	(£19,678)
Other manufactures	(£171,320)	(£127,000)	(£73,359)
British Malaya—			
Manufactured	6,951	4,999	1,764
Hong Kong (total imports)—			
Packing and manufactured ..	(b) (£15,064)	(£6,076)	(£10,422)
Australia—			
Crude	(a)	1,200	—
Packing	(£88,217)	(£23,231)	(£17,358)
New Zealand (£ New Zealand)—			
Sheets, slates and tiles.. ..	(£22,550)	(£13,893)	(£10,334)
Packing, brake lining, etc. ..	(£46,293)	(£26,880)	(£17,537)
Other manufactures	(£479)	(£434)	(£207)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	5,031	4,992	3,381
Spun and woven	36	27	21
Paper and board	31	12	8
Cement sheets	75	43	33
Other manufactures	31	37	27
Belgium-Luxemburg E.U.—			
Unmanufactured	18,750	12,411	5,543
Spun and woven	277	223	131
Paper and board	140	104	68
Other manufactures	11	10	10
Bulgaria—			
Unmanufactured	(a)	8	5
Manufactured	23	26	47
Czechoslovakia—			
Unmanufactured	4,779	5,263	7,330
Spun and woven	18	14	10
Paper and board	63	34	13
Other manufactures	63	61	40

IMPORTS OF ASBESTOS (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Denmark—			
Unmanufactured	1,013	693	724
Spun and woven	14	10	9
Paper and board	339	353	274*
Estonia—			
Manufactured	47	102	54
Finland (including mica)—			
Unmanufactured	339	61	42
Manufactured	250	151	110
France—			
Crude	(a)	(a)	6,583
Spun and woven	214	98	130
Paper and board	405	303	218
Germany—			
Unmanufactured	13,885	9,653	7,462
Spun and woven	39	31	20
Paper and board	98	46	36
Paint and cement products	155	158	30
Other manufactures	134	95	61
Greece	(a)	139	47
Hungary—			
Unmanufactured	1,932	2,356	(a)
Manufactured	178	158	93
Iceland—			
Manufactured	31	(a)	(a)
Italy—			
Unmanufactured	6,472	5,194	4,629
Spun and woven	178	165	137
Paper and board	235	202	172
Cement products	75	103	67
Other manufactures	39	27	10
Latvia—			
Unmanufactured	106	49	69
Manufactured	62	35	29
Lithuania	73	79	10
Netherlands	248	267	155
Norway	(c) 1,430	978	769

(a) Information not available.

(b) April-December only.

(c) Total imports.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Poland—			
Unmanufactured	1,216	395	319
Board	51	26	28
Other manufactures	795	358	218
Portugal—			
Unmanufactured	58	79	39
Manufactured	93	57	39
Roumania—			
Unmanufactured	67	64	64
Manufactured	212	199	289
Spain (total imports)—			
Unmanufactured	6,547	3,225	4,067
Spun and woven	104	95	71
Other manufactures	286	203	162
Sweden—			
Unmanufactured	1,045	953	1,174
Manufactured	936	956	712
Switzerland (including mica)—			
Unmanufactured	800	1,135	584
Manufactured	719	642	665
U.S.S.R. (Russia)	264	86	13
Yugoslavia—			
Unmanufactured	1,029	1,281	457
Spun and woven	52	86	31
Paper and board	96	118	62
Other manufactures	18	31	17
Egypt—			
Unmanufactured	292	100	72
Paper and board	171	83	113
Mexico—			
Unmanufactured	384	400	(a)
Spun and woven	27	45	(a)
Paper and board	188	135	(a)
Panama	25	17	(a)

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
United States—			
Unmanufactured—(total imports) (b)			
Crude	9,410	4,605	1,473
Mill fibre	61,618	41,777	27,523
Stucco and other unmanu- factured	115,295	75,369	57,391
Manufactured	2,407	1,145	151
Argentina—			
Spun and woven	160	132	180
Other manufactures	578	604	414
Bolivia—			
Manufactured	8	(a)	(a)
Brazil (total imports)—			
Unmanufactured	134	33	22
Manufactured	935	369	280
Chile—			
Unmanufactured	125	49	1
Manufactured	454	363	56
Colombia—			
Unmanufactured	76	(a)	(a)
Manufactured	183	(a)	(a)
Ecuador—			
Manufactured	59	37	(a)
Venezuela—			
Crude	29	4	8
Cement products	2,549	84	191
Manufactured	641	105	21
China—			
Manufactured	595	698	579
Iraq (years ended March 31 of the year following)	33	2	979
Japan (total imports)—			
Unmanufactured	10,017	7,127	7,502
Manufactured	1,151	761	429
Netherlands East Indies—			
Unmanufactured	6	12	(a)
Cement sheets	7,598	5,316	(a)
Philippine Islands— (including manufactures)	£16,711	£11,000	£7,000
Siam (total imports)—			
Cement sheets	945	692	316

(a) Information not available.

(b) Re-exports of unmanufactured were 111; 762; and 820 long tons in 1930, 1931, and 1932 respectively.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Barytes, unground	32,753	24,507	35,713
Witherite, unground	8,095	7,356	6,258
Barytes and witherite—			
Ground, bleached	1,823	1,077	1,881
do. unbleached	16,034	12,640	12,787
Irish Free State	1,272	574	—
Southern Rhodesia	245	—	—
Canada (sales)	59	14	—
India	6,797	5,654	2,957
Australia	1,708	1,567	2,005
FOREIGN COUNTRIES			
Austria	488	86	271
Belgium (b)	—	120	(a)
France	32,100	11,100	(a)
Germany—			
Bavaria	17,494	7,711	(a)
Prussia	214,486	157,947	100,553
Saxony	472	2,494	(a)
Italy	19,014	23,942	21,516
Portugal	—	79	—
Spain	5,464	8,404	(a)
Algeria	2,365	843	876
United States	212,058	188,330	119,261
Korea	6,000	5,266	(c) 6,250

NOTE.—3,875 tons of barytes were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928; later figures are not available.

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cubic metre=2 tons.

(c) Exports.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	235	527	472
Ground barytes and blanc fixe	1,975	1,723	2,219
Dioxide	479	558	665
Barium compounds	4,132	5,136	4,730
Irish Free State—			
Crude barytes	1,012	—	—
Ground barytes	223	504	—
FOREIGN COUNTRIES			
Austria—			
Barytes	100	55	35
Carbonate and chloride ..	6	8	1
Belgium-Luxemburg E. U.—			
Chloride	3,976	4,829	3,946
Sulphate	243	182	141
Sulphide	25	8	21
Czechoslovakia—			
Barytes	751	703	1,074
Chloride	1,107	557	715
Sulphate	730	476	226
Estonia—			
Barytes	—	—	50
France—			
Barytes	10,081	2,572	7,799
Witherite	125	127	—
Carbonate	98	463	515
Chlorate	79	57	26
Chloride	256	970	771
Nitrate and sulphide	5	14	19
Sulphate	525	132	179
Germany—			
Barytes and celestite	264,089	203,344	150,226
Witherite and strontianite ..	215	378	156
Carbonate	7,213	4,500	2,750
Chloride	3,299	1,986	2,011
Nitrate	852	664	657
Sulphate	6,853	5,956	5,795

* For lithopone see "Zinc," page 409.

EXPORTS OF BARIUM MINERALS, ETC. (Cont.)

Exporting Country and Description.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy—			
Sulphate.. .. .	3,772	5,382	4,228
Oxide and chloride	51	1	1
Latvia—			
Barytes	148	57	76
Netherlands—			
Barytes	56	265	31
Yugoslavia—			
Barytes	—	—	310
Sulphate.. .. .	—	—	25
Korea—			
Barytes	1,536	5,573	6,250

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	19,883	5,995	9,352
Ground barytes.. .. .	27,374	25,046	14,236
Blanc fixe	1,718	1,985	1,078
Barium compounds	2,291	2,477	1,284
Union of South Africa—			
Barytes	281	221	150
Dioxide	11	9	13
Canada—			
Barytes	1,740	1,506	1,153
Blanc fixe	942	713	416
Dioxide	3	3	2
Trinidad and Tobago—			
Barytes	15,129	8,948	6,732
British India (total imports)—			
Barytes	5,785	4,530	2,173
Australia—			
Barytes	134	46	21
FOREIGN COUNTRIES			
Austria—			
Barytes	1,354	1,203	1,128
Carbonate	562	592	1,103
Chloride	120	147	144
Belgium-Luxemburg E.U.—			
Chloride	67	110	41
Dioxide	90	43	32
Sulphate	1,286	915	1,232
Sulphide	1	2	13
Czechoslovakia—			
Crude barytes	5,492	4,093	3,224
Ground barytes	3,299	2,593	2,071
Carbonate	244	179	193
Chloride	3	5	2
Sulphate	114	199	115
Denmark—			
Barytes	10	22	15
Witherite	166	279	319
Chloride.. .. .	42	66	55
Sulphate	663	566	706

* For lithopone see "Zinc," page 414.

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Barytes, ground	28	27	38
Sulphate	16	10	1
Finland—			
Barytes	436	403	414
Witherite and magnesite	772	490	518
Chloride	60	73	30
France—			
Barytes	41,634	27,209	31,619
Witherite	331	125	149
Carbonate	1,065	170	101
Chloride	2,171	1,412	1,292
Nitrate	72	37	77
Sulphate	801	938	1,296
Germany—			
Barytes and celestite	3,097	2,665	4,485
Witherite and strontianite	1,092	660	999
Carbonate	—	5	—
Sulphate	61	12	4
Hungary—			
Ground barytes	1,109	988	899
Sulphate	95	90	83
Italy—			
Carbonate	243	174	234
Chloride	275	183	286
Oxide and dioxide	86	75	21
Sulphide	2	2	6
Sulphate	951	439	453
Latvia—			
Barytes	38	48	65
Chloride	13	6	10
Sulphate	25	4	8
Lithuania—			
Barytes and witherite	46	24	60

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Barytes	34,370	30,875	8,252
Poland—			
Barytes	2,429	1,415	1,655
Witherite	—	—	31
Carbonate	62	64	46
Chloride	12	6	6
Oxide	40	5	4
Sulphate	129	144	166
Portugal—			
Sulphate	498	650	548
Chloride	18	2	44
Dioxide	8	10	7
Roumania—			
Carbonate	10	8	2
Chlorate	11	10	10
Chloride	135	42	110
Sulphate	41	30	55
Sweden—			
Barytes and witherite.. ..	1,150	1,224	1,073
U.S.S.R. (Russia)—			
Barytes, witherite and salts ..	134	31	8
Yugoslavia—			
Barytes and witherite.. ..	65	14	2
Ground barytes	598	443	187
Chloride.. .. .	396	356	267
Algeria—			
Barytes	15	3	(a)
Chloride	65	78	(a)
Sulphate	81	22	(a)
United States—			
Barytes	46,528	65,250	40,855
Witherite	2,287	2,100	2,393
Ground barytes	2,081	1,653	1,423
Sulphate	2,673	830	586
Barium compounds	2,994	1,869	794

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Barytes	2,890	3,261	3,077
Sulphate	69	77	215
Barium compounds	289	809	588
Chile—			
Sulphate	2	1	(a)
Carbonate	—	5	(a)
Chloride	56	40	4
Oxides	12	9	(a)
Venezuela—			
Barytes	1,517	1,023	10
Chloride	16	8	—
Netherlands East Indies—			
Chloride	184	15	(a)
Turkey—			
Barium compounds	17	7	40

(a) Information not available.

BISMUTH

PRODUCTION OF BISMUTH ORE, ETC.

(Cwt.)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
Canada—			
Metal and content of bullion ..	114	1,055	151
India—			
Ore	1	42 <i>lb.</i>	27 <i>lb.</i>
Australia—			
Ore, etc.	83	792	385
FOREIGN COUNTRIES			
Germany (Saxony)—			
Bismuth-cobalt-nickel ore ..	2,342	1,299	2,154
Spain—			
Ore	1,319	2,244	(<i>a</i>)
Metal	632	531	(<i>a</i>)
Mexico—			
Ore (<i>Bi content</i>)	—	—	343
Bolivia (exports)—			
Ore, etc. (<i>Bi content</i>)	1,219	523	46
Peru—			
Ore (<i>Bi content</i>)	2,441	(<i>b</i>) 5,532	(<i>b</i>) 861
China—			
Ore	3,140	2,620	(<i>a</i>)
Japan—			
Metal	1,079	1,115	(<i>a</i>)

Bismuth is also recovered as a by-product in the United States and the United Kingdom.

(*a*) Information not available.

(*b*) Exports.

EXPORTS OF BISMUTH, ETC.

*(Domestic Produce)**(Cwt.)*

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Bismuth	1,449	768	462
Hong Kong(including re-exports)—			
Ore	(a)146	96	236
Australia (including re-exports)—			
Ore	1	—	—
FOREIGN COUNTRIES			
France—			
Bismuth	28	26	6
Bismuth salts	689	478	783
Germany—			
Bismuth salts	1,963	1,165	1,049
Italy—			
Bismuth salts	17	6	—
Spain (including re-exports)—			
Bismuth	545	380	26
Argentina—			
Ore	207	41	—
Bolivia—			
Ore, etc. (<i>Bi content</i>)	1,219	523	46
Peru—			
Ore (<i>Bi content</i>)	2,368	5,532	861

(a) April–December only.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	820	966	228
Bismuth.. .. .	4,075	3,953	1,732
Canada—			
Bismuth.. .. .	20	1	—
Bismuth salts	(£8,870)	(£5,617)	(£5,319)
Hong Kong (total imports)—			
Ore	(b)40	715	193
Australia—			
Bismuth salts	224	64	25
New Zealand—			
Bismuth salts (£ New Zealand)	(£3,965)	(£2,427)	(£3,577)
FOREIGN COUNTRIES			
Estonia—			
Bismuth salts	14	7	10
France—			
Bismuth.. .. .	1,587	1,100	1,870
Bismuth salts	71	—	—
Germany—			
Bismuth salts	24	24	33
Italy—			
Bismuth salts	148	110	132
Latvia—			
Bismuth salts	36	34	14
Poland—			
Bismuth.. .. .	4	8	10
Bismuth salts	186	161	104
Portugal—			
Bismuth salts	52	37	31
Spain (total imports)—			
Bismuth salts	193	162	63
U.S.S.R. (Russia)—			
Bismuth salts	13,208	37,046	3,071
Mexico—			
Bismuth	2	2	(a)

(a) Information not available.

(b) April–December only.

IMPORTS OF BISMUTH, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
United States—			
Bismuth.. .. .	218	69	256
Bismuth salts	6	8	28
Argentina—			
Bismuth.. .. .	68	57	57
Bismuth salts	294	158	143
Chile—			
Bismuth salts	95	18	19
Peru—			
Bismuth salts	18	13	14
Turkey—			
Bismuth	4	6	2
Bismuth salts	34	29	28

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Germany— Boracite	38	10	—
Italy— Crude boric acid	4,750	4,943	5,383
United States— Borates	158,357	159,420	162,424
Argentina— Borate of calcium	620	795	(a)
Tibet (b)— Borax	545	476	216
Turkey— Borates	5,370	6,398	4,807

(a) Information not available.

(b) Imports into India from Tibet.

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Borax	2,225	1,849	2,347
Boric acid	696	526	641
British India—			
Borax	49	48	47
Hong Kong (including re-exports)—			
Borax	(c)100	149	232
FOREIGN COUNTRIES			
Austria—			
Borax	77	64	71
Boric acid	6	6	13
Belgium-Luxemburg E.U.—			
Borax	192	138	104
Boric acid	28	23	—
Czechoslovakia—			
Borax and boric acid	19	5	9
France—			
Borax and borates	722	625	1,085
Perborate of sodium	430	457	360
Boric acid	1,604	1,642	1,191
Germany—			
Borax and boric acid	1,774	1,428	1,545
Italy—			
Borax	1,352	1,688	1,466
Boric acid	1,247	1,818	1,492
Netherlands—			
Borax	700	1,268	889
Sweden—			
Borax and boric acid	1	10	3

EXPORTS OF BORATES (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Crude borates and borax ..	74,046	77,623	80,036
Boric acid	1,252	1,885	1,496
Argentina—			
Borate of calcium	82	52	59
Chile—			
Borate of calcium	—	5	—
Tibet (<i>d</i>)—			
Borax	545	476	216
Turkey—			
Borates	(<i>b</i>)	(<i>b</i>)	(<i>b</i>)

(*a*) Information not available.

(*b*) Not recorded separately. Imports into the United Kingdom and France from Turkey were as follows :—

	1930	1931	1932
United Kingdom	1,440	1,150	2,500
France	3,060	2,879	(<i>a</i>)

(*c*) April-December only.

(*d*) Imports into India from Tibet.

IMPORTS OF BORATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Borates	7,889	7,572	10,208
Borax	10,814	11,807	8,773
Boric acid	1,764	2,186	968
Irish Free State—			
Boric acid	19	25	21
Southern Rhodesia—			
Borax	30	32	37
Boric acid	3	1	2
Union of South Africa—			
Borax	225	298	265
Boric acid	93	96	96
Canada—			
Borax	2,034	1,941	2,389
Boric acid	367	422	285
British India (total imports)—			
Borax and boric acid	1,286	1,414	1,821
Hong Kong (total imports)—			
Borax	(b) 223	357	367
Australia—			
Borax	811	756	1,122
Boric acid	294	232	338
New Zealand—			
Borax	177	263	194
Boric acid	47	58	52
FOREIGN COUNTRIES			
Austria—			
Borax	297	511	326
Boric acid	4	8	16
Belgium-Luxemburg E.U.—			
Borax	2,156	1,426	1,588
Boric acid	220	182	171
Bulgaria—			
Borax and boric acid	39	45	39

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia—			
Borax	1,339	2,397	1,562
Boric acid	205	187	223
Denmark—			
Borates	61	143	63
Borax and boric acid	157	148	92
Estonia—			
Borax and boric acid	11	36	25
Finland—			
Borax	84	102	148
Boric acid	22	21	26
France—			
Borax and borates	11,297	9,258	9,102
Perborate of sodium	101	42	35
Boric acid	284	517	554
Germany—			
Borates	21,828	18,857	28,948
Borax and boric acid	8,566	7,706	6,965
Hungary—			
Borax and borates	224	432	76
Boric acid	25	21	58
Italy—			
Borax	23	24	5
Boric acid	1	2	2
Latvia—			
Boron minerals	—	8	13
Borax and boric acid	37	28	21
Perborate of sodium	15	15	18
Lithuania—			
Borax and boric acid	15	9	19
Netherlands—			
Borax	3,772	2,220	1,494
Norway—			
Borax	78	77	110
Boric acid	56	30	27
Poland—			
Boron minerals	667	411	345
Borax	522	409	291
Boric acid	5	2	3

(b) April-December only.

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Portugal—			
Borates	336	296	340
Boric acid	35	26	43
Roumania—			
Borax	159	89	118
Boric acid	40	28	31
Spain (total imports)—			
Boric acid	76	66	46
Borates	582	456	452
Sweden—			
Borax	595	671	574
Boric acid	129	113	90
Switzerland—			
Borax	779	855	465
U.S.S.R. (Russia)—			
Borates	3,954	4,206	1,707
Yugoslavia—			
Borax	891	350	145
Boric acid	12	11	20
Egypt—			
Borax	38	43	60
Boric acid	25	19	24
Tunis—			
Borax	5	5	3
Boric acid	2	3	2
Mexico—			
Borax	308	217	(a)
United States—			
Borates	(a)	509	—
Borax	7	1	—
Boric acid	69	47	13
Argentina—			
Borax	74	99	70
Boric acid	31	25	10
Chile—			
Borates	(a)	54	90
Boric acid	24	9	9
Colombia—			
Borax	10	(a)	(a)
Boric acid	18	(a)	(a)
Ecuador—			
Boric acid	3	5	(a)
Borax	3	3	(a)

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Peru—			
Borax	10	7	13
Boric acid	21	20	18
Uruguay—			
Borax	32	25	(a)
Venezuela—			
Borax	14	21	3
Boric acid	23	12	17
China—			
Borax	677	1,162	945
Boric acid	118	146	163
French Indo-China—			
Borax	176	219	140
Boric acid	4	3	4
Japan (total imports)—			
Borax	3,561	6,791	8,756
Boric acid	803	910	981
Netherlands East Indies—			
Borax	38	36	(a)
Syria and Lebanon—			
Boric acid	7	2	1

(a) Information not available.

CADMIUM

PRODUCTION OF CADMIUM (Lb. avdp.)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Canada	456,582	323,139	65,425
Australia	509,598	445,158	354,620
FOREIGN COUNTRIES			
Belgium (exports) ..	11,200	6,400	51,400
France	158,700	181,167	274,451
Italy	—	17,600	13,200
United States—			
Metal	2,777,762	1,050,529	799,501
Compounds (metal content)	316,300	337,200	259,800
Mexico (b)	1,207,564	70,175	189,981

Cadmium is also produced in Germany, U.S.S.R. (Russia), Norway, Poland, Sweden and South-West Africa, but statistics are not available.

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

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	14,516	4,787	3,710
Australia	347,872	135,296	254,016
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.	11,200	6,400	51,400
France	34,400	128,300	50,500
Poland	88,600	249,800	154,100
Mexico (b)	1,207,564	70,175	189,981

(b) Recorded as cadmium, but probably zinc-cadmium fume exported to the United States for treatment. See imports into United States, page 67.

IMPORTS OF CADMIUM

(Less Re-exports)

(Lb. avdp.)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	253,396	288,876	219,635
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.	10,600	20,100	12,600
France	161,600	256,200	134,500
Italy (cadmium salts) ..	900	200	900
Poland	10,100	3,700	1,500
United States	40,105	271	—
Argentina (cadmium salts)	280	348	924
Chile (cadmium salts) ..	467	97	42
Colombia	10	(a)	(a)
Peru (including cadmium salts)	11	2	—
Turkey (including cadmium salts)	80	168	97

(a) Information not available.

CHINA CLAY

PRODUCTION OF CHINA CLAY

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	716,319	570,524	508,850
India	19,116	23,365	13,486
Unfederated Malay States	410	396	186
Australia	4,771	6,188	(b) 3,106
FOREIGN COUNTRIES			
Bulgaria	5,656	1,360	(a)
Belgium (e)	9,301	18,031	(a)
Czechoslovakia (estimated)	400,000	400,000	350,000
Denmark—			
Crude	29,405	35,200	29,300
Washed and pressed ..	7,700	8,100	8,500
Dried	—	1,700	800
France	156,300	(a)	(a)
Germany—			
Bavaria	366,712	327,520	(a)
Prussia	12,844	10,797	8,352
Saxony—			
Crude	51,327	39,666	(a)
Washed	47,487	35,618	(a)
Italy—			
Crude	12,308	23,023	(a)
Washed and ground (c)	4,839	4,500	(a)
Kaolinic earth	10,035	900	(a)
Portugal	4,601	6,513	6,763
Roumania (d)	6,666	4,854	(a)
Spain (g)	800	900	(a)
Sweden	—	1,497	(a)
Algeria	2,523	(a)	(a)
United States (f)	476,600	395,800	325,843
Argentina	369	—	(a)
Chile	800	(a)	(a)

PRODUCTION OF CHINA CLAY (*Cont.*).

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
China	778,000	772,000	(a)
Japan (estimated) ..	400,000	400,000	400,000
Korea	8,134	4,700	(a)
Netherlands East Indies ..	(a)	202	120

NOTE.—77,585 long tons of china clay were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) Excluding production of Victoria, which is not yet available, but amounted to 2,973 long tons in 1931.

(c) Derived from crude and stocks.

(d) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

(e) "Eurite" and kaolin.

(f) Sales of china clay and paper clay.

(g) 2,100 and 74,930 cubic metres of kaolinic sand were also produced in quarries during 1930 and 1931 respectively.

EXPORTS OF CHINA CLAY

*(Domestic Produce)**(Long tons)*

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom ..	(b) 529,026	414,362	348,643
British Malaya (c) ..	300	273	123
FOREIGN COUNTRIES			
Austria	14,100	14,025	11,919
Czechoslovakia	272,658	218,935	163,616
Denmark	3,543	6,423	5,610
France	9,894	9,820	8,555
Germany	59,396	52,549	39,674
Italy	114	61	721
Poland	—	21	5
Portugal	221	1,404	523
Spain (including re-exports)	583	2,625	431
Sweden	46	1	28
U.S.S.R. (Russia)	17,245	14,970	11,580
Yugoslavia	56	157	—
Algeria	2,793	1,154	(a)
French Indo-China ..	3	—	—

(a) Information not available.

(b) Including Cornish or china stone.

(c) Including re-exports.

IMPORTS OF CHINA CLAY*

(Less Re-exports)

(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	(b) 499	332	292
Union of South Africa (b)	66	180	77
Canada	20,636	16,381	15,458
Newfoundland (c).. ..	4,069	4,103	—
British India (total imports)	16,948	20,708	19,537
British Malaya	19	18	17
FOREIGN COUNTRIES			
Austria	9,806	9,339	2,964
Czechoslovakia	4,767	4,031	2,895
Denmark—			
Crude	747	1,718	509
Washed	6,075	3,610	4,344
Estonia	2,882	2,453	1,625
Finland	11,382	13,040	10,511
France	73,493	70,288	55,668
Germany	277,735	228,906	182,790
Italy	45,370	42,221	35,291
Latvia	1,894	1,600	1,439
Poland	20,901	17,789	16,084
Portugal	164	126	119
Spain (total imports) ..	21,673	18,983	14,760
Sweden	25,338	26,299	23,957
Yugoslavia	5,011	3,742	3,572
United States	210,911	135,210	89,086
Colombia	4	(a)	(a)
Argentina	2,647	2,518	2,422
Chile	—	29	35
French Indo-China	240	255	455
Netherlands East Indies ..	763	638	(a)

* Imports of china clay into Belgium, Bulgaria, Netherlands and Switzerland are not recorded separately.

(a) Information not available.

(b) Including Cornish or china stone.

(c) Years ended June 30 of year stated. Imported for paper manufacture.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Southern Rhodesia ..	202,385	80,334	15,445
Union of South Africa ..	13,508	22,966	19,065
Cyprus	1,544	200	(c) 1,000
Canada	—	—	70
India	50,684	19,913	17,865
Australia	168	26	97
Total ..	268,000	123,000	54,000
FOREIGN COUNTRIES			
Greece	23,032	5,545	12,000
Norway	—	—	403
Yugoslavia	50,583	56,238	43,231
U.S.S.R. (Russia) (years ended Sept. 30) ..	65,028	(a)	(a)
Cuba	38,996	11,882	500
United States	310	762	200
Brazil (exports)	10	—	—
French Indo-China	1,500	1,400	(a)
Japan	11,169	9,573	(a)
Turkey	27,750	24,981	54,344
New Caledonia	61,000	72,979	68,300
Total ..	280,000	(b) 180,000	(b) 190,000
WORLD'S TOTAL	550,000	(b) 300,000	(b) 240,000

(a) Information not available.

(b) Excluding U.S.S.R. (Russia).

(c) Estimated.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	269	259	—
Chromates of potash	796	886	737
Chromates of soda	1,553	1,265	1,004
Southern Rhodesia—			
Ore	171,695	86,741	34,827
Union of South Africa—			
Ore	22,670	20,388	20,288
British India (b)—			
Ore	22,498	7,708	20,640
Cyprus—			
Ore	—	3	—
FOREIGN COUNTRIES			
Austria—			
Chrome alum	112	116	163
Belgium-Luxemburg E.U.—			
Chromates of potash and soda	864	208	536
Czechoslovakia—			
Ore	122	1	—
Chromates of potash and soda	48	—	1
France—			
Ore	(a)	153	74
Chromates of potash and soda	241	212	397
Other chromates	4	8	4
Ferro-chrome	140	375	671
Chrome-alum	24	17	31
Germany—			
Chromates of potash and soda, and oxides of chromium ..	6,088	6,954	6,405

(a) Information not available.

(b) Excluding chrome ore mined in British India, but exported via the Portuguese port of Mormugao—1930, 7,480 tons—1931, 5,535 tons—1932 (a).

EXPORTS OF CHROME ORE, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Greece—			
Ore	24,048	1,018	1,085
Italy—			
Ferro-chrome	—	260	34
Chrome alum	9	9	4
Netherlands—			
Chromium compounds ..	21	6	13
Norway—			
Ferro-chrome	4,076	4,779	4,182
Sweden—			
Ore	—	1,031	215
Ferro-chrome	5,752	5,911	5,804
Switzerland—			
Ferro-chrome, including ferro- silicon	4,513	3,942	1,411
U.S.S.R. (Russia)—			
Ore	14,808	23,435	35,554
Chromates	1,073	1,919	1,781
Yugoslavia—			
Ore	32,538	28,828	19,804
Cuba—			
Ore	25,366	5,812	—
United States—			
Chromates of soda	2,202	1,968	2,758
Brazil—			
Ore	10	—	—
French Indo-China—			
Ore	871	2,101	1,078
Turkey—			
Ore	27,750	24,981	54,344
New Caledonia—			
Ore	52,676	37,669	14,009

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	16,639	12,727	20,638
Chromates of potash	54	81	88
Chromates of soda	1,759	1,484	977
Canada—			
Bichromate of potash	36	58	58
Bichromate of soda	880	719	979
British India (total imports)—			
Bichromate of potash	198	276	300
Bichromate of soda	606	461	660
Australia —			
Ore	38	—	—
Bichromate of potash	—	11	58
FOREIGN COUNTRIES			
Austria—			
Chrome alum and sulphate ..	101	49	17
Chromate of potash and soda..	217	294	295
Belgium-Luxemburg E.U.—			
Chromates of potash and soda	184	450	471
Bulgaria—			
Chromate of potash	24	29	29
Czechoslovakia—			
Ore	1,813	713	1,916
Chromates of potash and soda	4	26	31
Denmark—			
Chromate of potash	28	16	24
Chromate of soda	58	56	100
Estonia—			
Chromates	18	10	47

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Finland—			
Chromates of potash	69	75	100
Chromates of soda	16	11	21
Chrome alum and sulphate ..	48	52	81
France—			
Ore	(a)	12,521	13,182
Chromates of potash and soda	2,079	2,063	1,888
Other chromates	83	104	72
Ferro-chrome	1,372	732	1,108
Chrome alum	492	409	312
Germany—			
Ore	28,432	27,095	41,979
Chromates of potash and soda, and oxides of chromium ..	276	828	385
Hungary—			
Chromates of potash, soda and ammonia	381	356	633
Italy—			
Ferro-chrome	489	234	240
Chromates of potash, soda and ammonia	218	165	168
Chrome alum	262	92	39
Latvia—			
Chrome alum	82	49	82
Chromates of potash and soda	23	14	40
Netherlands—			
Chromium compounds ..	1,318	985	958
Norway—			
Ore	19,485	9,061	10,878
Poland—			
Ore	431	206	412
Ferro-chrome	243	162	129
Chrome alum	21	16	1
Chromates	531	667	577

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Chromate of potash	18	24	34
Chromate of soda	30	18	35
Chrome alum	36	24	21
Roumania—			
Chrome alum	180	220	274
Chromium compounds.. ..	245	264	470
Spain (total imports)—			
Chromates	755	868	849
Sweden—			
Ore	25,888	15,964	9,383
Chrome alum	615	590	534
Ferro-chrome	493	421	151
Chromates	186	223	267
Switzerland—			
Ore (estimated)	4,300	2,700	—
Ferro-chrome and ferro- silicon.. .. .	1,657	1,595	1,195
U.S.S.R. (Russia)—			
Ferro-chrome	2,187	4,088	3,808
Chromium compounds	153	2	—
Yugoslavia—			
Chromates of potash and soda	50	30	125
Chrome alum	231	140	117
Egypt—			
Chromates of potash and soda	283	307	286
United States—			
Ore	330,531	212,528	89,143
Metal and ferro-chrome	162	95	230
Argentina—			
Bichromate of potash	172	98	66
Bichromate of soda	47	161	223
Chrome alum	48	38	128

(a) Information not available.

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Chile—			
Bichromate of potash	47	36	60
Colombia—			
Chrome alum	128	(a)	(a)
Bichromate of potash	1	(a)	(a)
Peru—			
Chromium compounds	42	44	79
China—			
Bichromate of potash	(a)	(a)	186
Bichromate of soda	(a)	(a)	69
French Indo-China—			
Chromates of potash and soda	8	44	1
Japan (total imports)—			
Bichromate of potash	329	160	104
Bichromate of soda	365	355	160
Turkey—			
Chrome alum	19	3	41
Chromium compounds	11	7	9

(a) Information not available.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL

(Including Brown Coal and Lignite)

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Anthracite	6,400,705	5,829,175	6,616,972
Bituminous	237,481,119	213,629,776	202,116,168
Irish Free State—			
Anthracite	(a)	73,393	(a)
Semi-bituminous	(a)	18,347	(a)
Nigeria	347,842	327,681	252,485
Southern Rhodesia	923,915	577,983	431,183
Union of South Africa	12,029,529	10,709,114	9,764,425
Canada—			
Bituminous	9,665,035	7,911,929	6,885,816
Sub-bituminous	538,713	420,842	500,805
Lignite	3,083,149	2,598,668	3,080,710
British Borneo—			
State of North Borneo	58,491	28,926	—
Sarawak	14,680	18,213	(a)
Federated Malay States	565,573	402,355	277,848
India—			
Gondwana Coalfields	23,342,372	21,331,872	} 20,153,387
Tertiary Coalfields	460,676	384,563	
Australia—			
Bituminous	9,531,359	8,401,260	(b) 8,153,505
Lignite	1,831,507	2,194,453	(a)
New Zealand—			
Bituminous	1,382,875	979,636	} 1,842,022
Brown coal	1,046,677	1,069,749	
Lignite	112,540	108,371	
Total ..	309,000,000	277,000,000	262,000,000
FOREIGN COUNTRIES			
Albania—			
Lignite	4,215	3,109	(a)
Austria—			
Bituminous	212,478	224,541	217,819
Brown coal	3,014,605	2,934,978	3,055,021

(a) Information not available.

(b) Excluding production of Victoria, which was 571,342 tons in 1931.

PRODUCTION OF COAL (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Belgium—			
Anthracite and semi-anthracite	5,710,956	5,865,653	} 21,075,313
Bituminous	21,270,796	20,749,689	
Bulgaria—			
Anthracite	2,303	6,117	(a)
Bituminous	62,312	78,161	(a)
Lignite	1,498,345	1,414,217	(a)
Czechoslovakia—			
Bituminous	14,207,021	12,895,773	13,034,000
Brown coal	18,890,532	17,648,430	16,792,000
France—			
Saar	13,026,730	11,187,485	10,273,195
Other districts—			
Bituminous (b)	53,049,020	50,256,326	45,535,513
Lignite	1,138,235	1,023,591	975,695
Germany—			
Bituminous	140,444,006	116,766,357	103,086,309
Brown coal	143,704,018	131,205,263	120,709,596
Greece—			
Lignite	127,576	103,546	(a)
Hungary—			
Bituminous	798,731	764,150	880,674
Brown coal	5,746,586	5,650,352	5,395,064
Lignite	332,348	364,451	442,726
Italy—			
Anthracite	19,530	15,331	47,004
Bituminous	207,946	216,640	204,390
Brown coal	567,750	358,730	370,107
Netherlands—			
Bituminous	12,018,229	12,697,631	12,554,978
Brown coal	141,873	120,269	122,115
Poland—			
Bituminous	36,914,000	37,660,667	28,379,163
Brown coal	54,000	38,800	32,900
Portugal—			
Anthracite	183,471	223,475	187,632
Bituminous	27,345	(a)	49,753
Brown coal	33,928	(a)	16,043

PRODUCTION OF COAL (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES			
(Cont.)			
Roumania—			
Bituminous	294,105	282,005	} 1,625,000
Lignite	2,038,348	1,606,088	
Spain—			
Anthracite	515,306	516,402	606,571
Bituminous	6,492,054	6,462,526	6,120,702
Brown coal	381,904	336,073	338,159
Spitzbergen and Bear Island	185,443	239,267	250,000
Sweden	391,675	337,777	327,816
Switzerland (c) ..	4,000	4,000	4,000
U.S.S.R. (Russia) ..	47,635,600	56,804,500	64,770,000
Yugoslavia—			
Bituminous	360,430	426,740	} 3,480,533
Brown coal	3,748,858	3,465,459	
Lignite	1,077,869	1,022,048	
Algeria			
Bituminous	16,922	25,188	24,584
Belgian Congo ..	131,700	84,359	17,000
Morocco (French)—			
Anthracite	965	5,574	14,724
Greenland	4,700	4,600	(a)
Mexico	1,273,818	770,504	642,314
United States—			
Anthracite	61,950,747	53,255,046	44,500,000
Bituminous and lignite	417,434,196	341,151,246	272,917,000
Brazil	400,000	400,000	400,000
Chile	1,419,367	1,090,100	1,068,100
Colombia (estimated) ..	200,000	200,000	200,000
Peru	196,855	176,000	(a)

(a) Information not available.

(b) Includes about 5,500,000 tons of anthracite in 1930, and 5,000,000 tons in 1931 and 1932.

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

PRODUCTION OF COAL (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Venezuela (c)	12,360	3,000	(a)
China (d)	26,037,000	27,245,000	(a)
Formosa	1,573,478	1,334,000	(a)
French Indo-China—			
Anthracite	1,860,000	1,647,000	1,642,000
Bituminous	47,000	30,000	23,000
Brown coal	28,000	22,000	23,000
Japan—			
Semi-anthracite and bituminous	30,880,669	27,545,251	25,669,802
Brown coal	126,593	115,881	(a)
Karafuto	634,788	627,886	(a)
Korea	870,174	904,000	(a)
Netherlands East Indies	1,841,275	1,382,223	1,033,639
Philippine Islands ..	20,423	18,668	(a)
Turkey—			
Bituminous	1,569,966	1,549,230	1,494,741
Lignite	9,241	7,651	13,345
New Caledonia—			
Anthracite	9,517	—	—
Total ..	1,080,000,000	960,000,000	850,000,000
WORLD'S TOTAL	1,390,000,000	1,240,000,000	1,110,000,000

(a) Information not available.

(c) Excluding production in government-owned mines.

(d) Of which about 3,000,000 tons are anthracite and 300,000 tons lignite.

PRODUCTION OF COKE

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Great Britain—			
Gas-works (b)	12,316,709	12,107,372	11,800,826
Coke-ovens—coke	11,514,021	8,470,709	8,480,196
breeze	664,332	550,252	573,280
Northern Ireland			
Gas-works (b)	71,000	(d) 70,000	(d) 70,000
Irish Free State—			
Gas-works (b)	(a)	114,574	(a)
Southern Rhodesia	75,827	39,237	25,111
Union of South Africa	88,017	85,007	56,442
Canada—			
Gas-works—coke	288,598	256,298	246,979
breeze		29,701	26,710
Coke-ovens—coke	1,841,754	1,236,179	1,057,924
breeze		114,161	130,621
Straits Settlements	14,114	12,429	10,745
India (c)—			
Hard	62,487	55,484	(a)
Soft	745,564	724,176	(a)
Australia—			
Gas-works—			
New South Wales (e)	421,093	370,234	336,846
Victoria (e)	260,436	211,224	181,746
Queensland (e)	53,805	54,680	47,282
South Australia (e)	67,422	51,126	45,618
Western Australia (e)	12,496	12,316	10,361
Tasmania	5,787	4,288	5,946
Coke-ovens—			
New South Wales (e)	400,164	285,064	398,860
New Zealand (years ended March 31)—			
Gas-works	79,600	77,763	(a)
FOREIGN COUNTRIES			
Austria (gas-works)	560,497	547,087	578,000
Belgium—			
Metallurgical	5,202,131	4,799,827	4,405,405
Breeze	492,507	478,511	(a)
Czechoslovakia	2,671,796	2,014,051	(a)
Denmark (gas-works)	265,000	276,000	265,000
Finland (gas-works)	48,566	(a)	(a)
France—			
Saar	2,519,300	1,910,000	(a)
Other districts—			
Metallurgical, etc.	9,124,715	7,814,000	5,746,000
Gas-works	2,229,483	2,343,000	2,067,000
Germany	32,992,018	23,617,836	18,825,580

PRODUCTION OF COKE (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Brown-coal coke ..	(a)	(a)	18,650
Metallurgical	(a)	2,150	(a)
Italy (metallurgical) ..	800,480	728,575	702,862
Netherlands—			
Gas-works	700,000	700,000	700,000
Coke-ovens	2,558,349	2,696,079	2,479,862
Norway (gas-works) ..	64,158	74,390	(a)
Poland	1,557,013	1,333,223	1,074,000
Roumania	(a)	46,866	(a)
Spain (incomplete figures)			
Metallurgical	664,877	495,169	410,922
Gas-works	229,141	243,801	(a)
Sweden	381,513	410,062	(a)
Switzerland—			
Gas-works	358,816	382,507	(a)
U.S.S.R. (Russia) (years ended Sept. 30) ..	6,097,000	(a)	(a)
Algeria (gas-works) ..	45,018	55,573	(a)
United States—			
Coke-ovens—			
Coke	42,832,162	29,896,327	19,564,742
Breeze and screenings	3,948,870	2,835,462	1,938,509
Chile	48,631	(a)	(a)
Peru	35,406	9,123	(a)
French Indo-China ..	6,000	11,000	10,000

(a) Information not available.

(b) Including coke breeze.

(c) Coke made at collieries only.

(d) Estimated.

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

PRODUCTION OF COAL BRIQUETTES

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Great Britain	1,130,962	869,542	908,467
FOREIGN COUNTRIES			
Belgium	1,845,594	1,821,136	1,299,890
Czechoslovakia—			
Coal briquettes	235,304	281,268	(a)
Brown-coal briquettes ..	177,864	206,127	(a)
France—			
Saar	—	1,159	6,829
Other districts	6,725,791	4,924,129	5,356,693
Germany—			
Coal briquettes	5,094,870	5,104,651	4,405,405
Brown-coal briquettes ..	33,451,366	31,910,150	29,282,278
Hungary—			
Coal briquettes	} 99,413	185,246	99,132
Brown-coal briquettes ..			309,200
Italy—			
Brown-coal briquettes ..	1,970	2,411	2,376
Netherlands—			
Coal briquettes	930,999	1,193,469	1,152,437
Brown-coal briquettes ..	48,096	40,246	43,330
Poland	230,425	294,945	196,000
Spain	915,052	899,680	640,339
Yugoslavia	31,901	30,288	(a)
Algeria	95,291	72,000	(a)
United States	918,629	623,496	392,170
Venezuela	516	(a)	(a)
French Indo-China	136,000	132,000	90,000
Netherlands East Indies ..	51,466	17,143	6,857

(a) Information not available.

PRODUCTION OF COAL BY-PRODUCTS

Producing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
Great Britain—				
Tar	Long ton	1,834,852	1,640,709	1,568,312
Pitch	do.	490,792	341,370	367,185
Ammonium salts expressed as sulphate (25¼% NH ₃) (b)	do.	777,090	646,629	765,394
Benzol (refined)	Gallon	33,000,000	28,000,000	27,500,000
Northern Ireland—				
Tar	Long ton	19,000	} (a)	} (a)
Pitch	do.	1,000		
Ammonium sulphate	do.	2,000		
Benzol	Gallon	12,000		
Cresylic acid	do.	26,000		
Creosote, etc.	do.	462,000		
Irish Free State—				
Tar	Long ton	(a)	10,938	(a)
Ammonium sulphate	do.	5,500	1,962	2,000
Tar oil, creosote oil, &c.	do.	(a)	1,693	(a)
Union of South Africa—				
Tar	Gallon	507,483	497,704	260,172
Ammonium sulphate	Long ton	215	583	228
Canada—				
Tar	Gallon	27,378,400	22,271,880	20,176,843
Pitch	Long ton	40,994	(a)	(a)
Ammonium sulphate	do.	21,095	19,526	9,866
Benzol	do.	4,408,820	3,125,174	2,331,171
Ammonia liquor	Long ton	1,022	1,012	759
Creosote, etc.	Gallon	9,866,340	7,900,000	7,400,000
Straits Settlements—				
Tar	Long ton	744	880	664
India—				
Ammonium sulphate	Long ton	16,131	12,133	9,474
Australia—				
New South Wales (e)—				
Tar	Gallon	10,335,587	12,932,361	10,950,449
Ammonium sulphate	Long ton	7,096	8,169	(a)
Liquid Ammonia	£ (Australian)	4,196	(a)	(a)

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
Australia (Cont.)				
Victoria (e)—				
Tar	Gallon	5,027,134	5,356,114	5,726,696
Ammonium sulphate	Long ton	965	1,875	2,089
Queensland—				
Tar (e)	Gallon	1,030,193	984,913	528,565
South Australia (e)—				
Tar	Gallon	1,716,415	1,681,727	1,371,982
Ammonium sulphate	Long ton	761	873	882
Western Australia—				
Tar	Gallon	329,951	340,538	458,316
Tasmania (e)—				
Tar	Gallon	261,532	217,106	227,389
Ammonium sulphate	Long ton	63	76	(a)
New Zealand (c)—				
Tar (gas-works) ..	Gallon	2,424,748	2,535,708	(a)
FOREIGN COUNTRIES				
Austria—				
Ammonium sulphate ..	Long ton	6,900	(a)	(a)
Tar	do.	33,630	32,450	34,500
Belgium—				
Tar	Long ton	176,321	164,294	(a)
Ammonium sulphate ..	do.	71,404	68,107	54,000
Benzol	do.	48,246	48,718	(a)
Pitch	do.	108,000	103,000	(a)
Naphthalene	do.	11,000	10,000	(a)
Creosote	do.	79,000	74,000	(a)
Czechoslovakia—				
Tar	Long ton	107,136	87,441	(a)
Pitch	do.	1,174	237	(a)
Ammonium sulphate ..	do.	35,143	28,499	(a)
Naphthalene	do.	1,582	858	(a)
Benzol	do.	32,570	25,903	(a)
Carbolic acid	do.	244	208	(a)

(a) Information not available.

(b) Actual ammonium sulphate production in long tons was:—
1930, 671,000; 1931, 514,000; 1932, 612,000.

(c) Years ended March 31 of the year stated.

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

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Denmark—				
Tar	Long ton	27,000	28,000	24,000
Finland—				
Gas-works—				
Tar	Long ton	2,335	(a)	(a)
Benzol	do.	159	(a)	(a)
Ammonia	do.	145	(a)	(a)
France—				
Tar	Long ton	566,539	551,200	487,132
Pitch	do.	155,000	(a)	(a)
Ammonium sulphate	do.	137,440	(a)	(a)
Benzol	do.	74,465	72,300	(a)
Naphthalene	do.	12,317	(a)	(a)
Saar—				
Tar	Long ton	138,000	121,028	94,267
Ammonium sulphate (coke-ovens)	do.	29,100	22,003	(a)
Benzol	do.	40,000	30,140	(a)
Germany—				
Tar and pitch	Long ton	1,394,558	1,095,758	1,030,000
Ammonium sulphate and other ammoniacal salts	do.	448,307	330,223	(a)
Benzol	do.	330,960	243,347	210,000
Creosote	do.	231,500	172,000	(a)
Italy—				
Tar—Cokeries, etc.	Long ton	30,348	29,537	28,090
Gas-works	do.	58,200	57,000	57,000
Pitch	do.	37,767	(a)	(a)
Ammonium sulphate (d)	do.	9,671	9,458	8,701
Benzol (d)	do.	5,911	6,473	6,674
Naphthalene	do.	2,864	3,071	(a)
Netherlands—				
Ammonium sulphate	Long ton	148,000	(a)	(a)
Pitch	do.	54,000	48,000	54,000
Benzol (estimated)	do.	20,000	20,000	20,000
Tar (estimated)	do.	100,000	100,000	100,000
Creosote	do.	27,000	33,000	34,000
Norway—				
Tar	Long ton	5,718	4,124	(a)

PRODUCTION OF COAL BY-PRODUCTS (*Cont.*)

Producing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)				
Poland—				
Tar	Long ton	88,377	68,000	55,400
Pitch	do.	39,900	34,000	29,700
Ammonium sulphate	do.	33,100	(a)	(a)
Benzol	do.	23,568	21,800	18,000
Naphthalene	do.	2,921	1,600	1,100
Roumania—				
Tar	Long ton	(a)	4,399	(a)
Ammonium sulphate	do.	(a)	20	(a)
Spain (incomplete figures)—				
Tar	Long ton	43,953	35,323	21,023
Pitch	do.	6,101	4,818	(a)
Ammonium sulphate	do.	17,907	18,682	(a)
Benzol	do.	7,498	5,314	2,888
Naphthalene	do.	844	758	(a)
Creosote	do.	6,311	2,755	(a)
Sweden—				
Tar	Long ton	24,684	24,368	} (a)
Ammonium sulphate	do.	4,570	4,570	
Benzol	do.	2,131	2,287	
Switzerland—				
Tar (gas-works)	Long ton	26,857	25,975	(a)
U.S.S.R. (Russia) (years ended Sept. 30)—				
Tar	Long ton	112,288	(a)	(a)
Ammonium sulphate	do.	9,731	(a)	(a)
Liquid ammonia	do.	7,394	(a)	(a)
Algeria—				
Tar	Long ton	4,458	4,590	(a)
Ammonium sulphate	do.	315	(a)	(a)
Benzol	Gallon	236	(a)	(a)
Mexico—				
Tar	Gallon	2,000,000	(a)	(a)
Creosote	do.	1,500,000	(a)	(a)
Benzol	do.	500,000	(a)	(a)

(a) Information not available.

(d) Figures refer to amount obtained in the manufacture of metallurgical coke only.

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	Unit	1930	1931	1932
United States (coke-ovens only)—				
Tar	Gallon	502,071,608	375,713,410	252,840,249
Pitch	Long ton	94,941	70,440	37,644
Sulphate equivalent of ammonia produced ..	Long ton	686,627	508,916	316,164
Benzol	Gallon	15,952,425	12,310,248	8,757,349
Motor fuel	do.	84,885,577	51,633,354	27,399,438
Naphthalene	Long ton	5,643	3,403	2,062
Toluol	Gallon	9,861,002	9,860,777	7,451,029
Solvent naphtha	do.	3,398,562	3,143,354	1,733,474
Crude light oils (b)	do.	148,604,960	102,107,623	61,436,858
Creosote	do.	21,399,902	13,576,332	6,154,862
Phenol	do.	114,143	78,414	83,387
Chile—				
Tar	Gallon	1,218,831	(a)	(a)
Japan—				
Benzol	Long ton	15,953	12,358	20,000
Creosote	do.	20,598	22,000	(a)

(a) Information not available.

(b) The greater proportion of this production was refined to make the derived products mentioned above.

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

Exporting Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom—				
Anthracite—				
small and sized	Long ton	2,969,371	2,373,143	2,830,837
large	do.	1,131,257	1,033,311	1,072,661
Bituminous—				
small and sized	do.	16,166,440	13,498,094	13,301,316
unscreened	do.	14,537,969	10,350,284	8,048,963
large	do.	20,069,028	15,494,908	13,645,713
bunkers	do.	15,616,691	14,609,545	14,183,065
Coke	do.	2,462,736	2,398,651	2,241,930
Manufactured fuel	do.	1,006,431	760,179	753,949
do. (bunkers)	do.	726	352	342
Tar and pitch	do.	351,117	368,555	351,913
Heavy coal-tar oils	Gallon	27,352,752	13,185,213	20,817,420
Naphthalene	Long ton	4,963	4,669	4,970
Anthracene	do.	30	1	15
Carbolic acid—				
Crystals	do.	738	743	539
Crude	Gallon	(b)1,120	49,262	90,996
Cresylic acid	do.	1,401,251	936,582	940,039
Benzol	do.	420,309	396,812	638,638
Toluol	do.	35,634	4,741	22,453
Naphtha	do.	47,718	42,681	50,029
Irish Free State—				
Coke	Long ton	21,531	26,080	25,786
Tar and pitch	do.	488	144	178
Malta—				
Coal (bunkers on merchant ships) (c)	Long ton	100,799	74,570	53,682
Coke	do.	642	1,106	1,671
Kenya and Uganda—				
Coal (bunkers) (c)	Long ton	4,448	4,010	3,751
Coke	do.	2	—	—
Nigeria—				
Coal	Long ton	45,812	24,813	28,016
Sierra Leone—				
Coal (bunkers) (c)	Long ton	37,027	25,674	21,477

(b) Long tons.

(c) Foreign coal (see imports).

* For ammonium sulphate, etc., see Nitrogen Compounds, pages 256–259.

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

Exporting Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
Southern Rhodesia—				
Coal	Long ton	454,071	204,823	176,636
Coke and patent fuel ..	do.	94,132	37,430	24,252
Union of South Africa—				
Coal	Long ton	1,254,757	936,742	643,068
do. (bunkers) ..	do.	1,306,722	907,387	670,758
Coke and patent fuel ..	do.	21,315	14,229	10,503
Canada—				
Coal	Long ton	530,795	300,268	241,333
Lignite	do.	26,805	21,028	13,566
Coke	do.	48,196	33,070	23,203
Tar and pitch	Gallon	4,555,899	2,880,018	3,017,552
Creosote oil	do.	1,132,014	576,477	274,598
West Indies—				
Barbados—				
Coal (bunkers) (c) ..	Long ton	9,224	7,148	1,395
St. Lucia—				
Coal (bunkers) (c) ..	Long ton	31,306	16,248	21,898
Trinidad and Tobago—				
Coal (bunkers) (c) ..	Long ton	47,505	25,765	31,649
Aden—				
Coal	Long ton	65	112	15
British Borneo—				
Brunei—				
Coal	Long ton	—	57	(a)
Sarawak—				
Coal	Long ton	—	1,328	—
Coke	do.	26	5	7
State of North Borneo—				
Coal	Long ton	35,839	20,595	11,785
British India—				
Coal	Long ton	459,906	438,963	517,529
do. (bunkers)	do.	(a) 828,000	(b) 468,316	590,332
Coke	do.	1,282	2,286	1,954
British Malaya (including re-exports)—				
Coal	Long ton	5,474	4,223	2,725
do. (bunkers)	do.	436,958	363,578	379,018
Coke	do.	476	955	777
Tar	do.	253	182	235

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

Exporting Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
Ceylon—				
Coal (bunkers) (c) ..	Long ton	352,360	325,152	214,014
Hong Kong (including re-exports)—				
Anthracite	Long ton	(f)14,806	14,625	1,004
Bituminous	do.	(f)77,653	181,030	159,524
Coke	do.	(f) 3,063	4,449	3,527
Briquettes	do.	(f) —	12	12
Australia (including re-exports)—				
Coal	Long ton	292,159	370,728	297,679
do. (bunkers) (e) ..	do.	507,349	509,303	506,140
Coke	do.	1,460	878	1,684
Tar and pitch	do.	1,132	921	399
Benzene and benzol ..	Gallon	68,281	—	—
New Zealand—				
Coal	Long ton	18,832	5,134	2,021
do. (bunkers)	do.	107,286	43,200	34,125
Coke	do.	60	3	2
Tar	do.	1,026	178	51
FOREIGN COUNTRIES				
Austria—				
Coal	Long ton	905	964	222
Brown coal	do.	4,711	2,990	942
Coke	do.	43,029	51,595	12,590
Briquettes	do.	82	158	92
Tar and pitch	do.	9,733	11,828	15,359
Tar oils	do.	4,456	3,976	6,181
Naphthalene	do.	304	652	543
Carbolic acid	do.	21	13	5
Carbolineum, creolin, etc.	do.	41	27	12
Belgium-Luxemburg E.U.—				
Coal	Long ton	3,485,684	4,524,289	3,178,287
do. (bunkers)	do.	413,961	857,190	257,333
Brown coal	do.	588	368	882
Coke	do.	780,789	848,926	964,734
Briquettes	do.	565,863	747,113	416,540
do. (bunkers)	do.	134,822	178,000	140,290

(b) July to December 1931.

(c) Foreign coal (see imports).

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

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

(f) April-December only.

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

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Belgium-Luxemburg E. U.				
<i>(Cont.)</i> —				
Anthracene	Long ton	39	443	508
Tar and pitch	do.	28,320	54,418	62,427
Naphthalene	do.	7,106	7,666	7,350
Distillates	do.	70,538	86,879	87,020
Bulgaria—				
Coal	Long ton	8,360	1,279	681
Czechoslovakia—				
Coal	Long ton	1,678,570	1,626,697	1,346,183
Brown coal	do.	2,340,103	1,929,421	1,509,069
Coke	do.	575,054	396,037	272,164
Briquettes	do.	86,759	84,005	80,401
Tar and pitch	do.	13,920	39,550	38,362
Benzol, etc.	do.	21,969	14,871	4,351
Crude naphthalene ..	do.	1,004	189	156
Crude carbohc acid ..	do.	7,667	9,658	2,293
Cresol	do.	238	805	516
Denmark—				
Tar and pitch	Long ton	1,232	2,246	778
France—				
Coal	Long ton	4,002,696	3,449,175	2,983,951
Coke	do.	346,194	417,762	328,497
Briquettes	do.	235,874	202,889	123,426
Coal, coke and briquettes—				
Bunkers (domestic pro- duce)	do.	152,223	119,934	(a)
Bunkers (foreign pro- duce)	do.	1,200,319	1,326,710	(a)
Tar and pitch	do.	28,320	45,851	15,700
Benzol, etc	do.	21,015	19,439	22,692
Naphthalene, etc. ..	do.	2,008	2,344	945
Carbohc acid, etc. ..	do.	246	99	1,105
Germany—				
Coal	Long ton	23,693,956	21,760,094	17,913,825
do. (bunkers for foreign ships)	do.	304,258	208,699	109,404
Brown coal	do.	19,618	28,506	8,590
Coke	do.	7,845,002	6,241,217	5,106,784
Coal briquettes	do.	883,090	885,201	892,821
Brown-coal briquettes ..	do.	1,678,509	1,921,687	1,497,245
Tar and pitch	do.	335,585	273,828	155,492
Naphthalene	do.	15,450	17,442	13,268
Anthracene	do.	1,088	376	1,220

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

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Germany (Cont.)—				
Carbolic acid	Long ton	1,147	469	1,790
Cresol	do.	2,996	3,562	1,638
Light coal-tar oils, etc. ..	do.	3,127	2,033	2,651
Heavy coal-tar oils, etc.	do.	144,646	116,210	49,921
Hungary—				
Coal	Long ton	103,753	96,546	125,857
Brown coal	do.	272,436	275,795	213,694
Coke	do.	1,355	2,154	317
Briquettes	do.	969	374	417
Tar and pitch	do.	224	78	11
Benzols	do.	45	28	5
Carbolic acid and cresol..	do.	1	1	1
Italy—				
Coal, etc.	Long ton	(c) 42,593	(c) 48,979	(c) 55,336
Coke	do.	1,776	(c) 1,694	(c) 1,812
Tar and tar oils	do.	1,503	4,594	3,899
Naphthalene	do.	57	71	47
Benzol, toluol and xylol..	do.	52	68	59
Carbolic acid	do.	15	20	14
Latvia—				
Coal	Long ton	641	893	502
Coke	do.	108	73	28
Tar	do.	49	—	—
Netherlands—				
Coal	Long ton	3,837,926	4,028,443	3,369,804
do. (bunkers)	do.	2,779,170	2,460,795	1,474,463
Brown coal	do.	—	—	30
Coke	do.	2,046,702	2,181,776	1,901,775
Briquettes	do.	190,824	456,854	323,067
Brown-coal briquettes ..	do.	14,684	10,344	12,255
Tar	do.	11,321	8,637	7,402
Creosote	do.	13,442	15,471	12,347
Naphthalene	do.	1,912	1,479	3,039
Anthracene	do.	2,011	2,840	2,769
Carbolic acid	do.	48	74	41
Benzol	do.	16,616	17,076	16,715
Toluol and xylol	do.	723	1,551	1,596
Naphtha	do.	280	118	45

(a) Information not available.

(c) Including bunkers for foreign ships which in 1930 amounted to 15,472 long tons.

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

Exporting Country and Description	Unit	1930	1931	1932	
FOREIGN COUNTRIES (Cont.)					
Norway—					
Tar	Long ton	278	215	587	
Creosote	do.	1	3	98	
Poland—					
Bituminous coal	Long ton	12,267,748	13,600,134	10,060,675	
Coke	do.	193,431	241,898	193,616	
Briquettes	do.	2,597	4,331	5,057	
Tar and pitch	do.	1,001	5,528	7,134	
Naphthalene	do.	822	508	286	
Anthracene, etc.	do.	755	1,053	465	
Carbolic acid, etc.	do.	611	379	422	
Benzol	do.	15,856	14,314	10,832	
Creosote, etc.	do.	440	590	1,129	
Portugal—					
Coal	Long ton	1,183	233	225	
do. (bunkers)	do.	314,254	231,785	117,233	
Tar and pitch	do.	52	44	684	
Roumania—					
Anthracite	Long ton	37,274	29,258	12,766	
Bituminous coal	do.	}	3,176	2,792	
Coke	do.		31	435	—
Brown coal	do.		44	854	67
Tar	do.		101	336	—
Benzol	do.		29	—	—
Creosote, etc.	do.		—	761	—
Spain (including re-exports)—					
Coal	Long ton	19,029	61	1,081	
Coke	do.	93	141	102	
Briquettes	do.	846	10	—	
Tar and pitch	do.	479	182	112	
Benzol, toluol, etc.	do.	2	1	22	
Spitzbergen—					
Coal	Long ton	192,442	203,086	250,973	
Sweden—					
Anthracite	Long ton	8	69	3	
Bituminous coal	do.	180	158	103	
Coke	do.	1,725	3,074	5,332	
Tar, pitch, etc.	do.	13,726	13,790	10,816	
Benzol oils	do.	1,444	675	443	
Carbolic acid, etc.	do.	1	3	107	

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

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Switzerland—				
Coal	Long ton	7	335	888
Coke	do.	975	1,419	515
Briquettes	do.	1	208	3
Tar and pitch	do.	2,226	2,245	5,135
Creosote, etc.	do.	808	404	560
Naphthalene, etc.	do.	303	244	177
U.S.S.R. (Russia)—				
Anthracite	Long ton	801,528	663,639	843,923
Other coal	do.	1,026,299	984,505	888,496
Coke	do.	587	216	75
Tar	do.	26,772	27,574	46,219
Yugoslavia—				
Bituminous coal	Long ton	526	926	671
Lignite	do.	61,367	51,893	46,111
Brown coal	do.	47,993	32,151	10,368
Coke	do.	226	190	56
Tar and pitch	do.	12	—	1
Creosote	do.	4	2	3
Algeria—				
Coal	Long ton	8,360	4,520	} (a)
Coke	do.	3,071	518	
Briquettes	do.	10,858	12,494	
Tar	do.	814	205	
Belgian Congo—				
Coal and briquettes	Long ton	544	250	3
Canary Islands—				
Coal (bunkers) (b)	Long ton	376,239	197,576	(a)
Cape Verde Islands (b)—				
Coal (bunkers)	Long ton	(a)	124,502	(a)
Egypt—				
Coke	Long ton	749	1,029	625
French West Africa—				
Senegal (b)—				
Coal (bunkers)	Long ton	146,379	106,181	60,838

(a) Information not available.

(b) Foreign coal (see Imports).

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

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Morocco—				
Coal	Long ton	—	601	(a)
Mozambique—				
Coal	Long ton	2,757	2,961	5,308
French West Indies—				
Martinique—				
Coal (c)	Long ton	89,000	(a)	(a)
Netherlands West Indies—				
Coal (bunkers)	Long ton	19,187	5,419	(a)
Coke	do.	247	—	(a)
St. Pierre and Miquelon (b)—				
Coal (bunkers)	Long ton	14,000	6,000	(a)
United States—				
Anthracite	Long ton	2,278,267	1,587,775	1,163,710
Bituminous	do.	14,176,256	10,827,053	7,869,685
do. (bunkers)	do.	3,122,036	1,959,901	1,204,319
Coke	do.	896,309	673,484	562,635
Coal-tar-pitch coke	do.	11,878	(a)	(a)
Tar and pitch	do.	46,601	66,523	276,984
Benzol	Gallon	37,166,941	18,217,617	2,701,098
Creosote	do.	(a)	1,245,056	94,853
Argentina—				
Coal (bunkers) (c)	Long ton	93,198	79,272	26,376
Brazil—				
Coal	Long ton	19	27	3
Chile—				
Coal	Long ton	51,605	15,977	30,623
do. (bunkers) (d)	do.	93,359	208,975	} (a)
Briquettes	do.	945	—	
Coke	do.	56	28	
Uruguay—				
Coal	Long ton	91,008	59,039	55,523
China—				
Coal	Long ton	} 2,988,301	2,995,419	{ 2,013,881
do. (dust)	do.				101,701
do. (bunkers)	do.			516,880	587,604	(e)
Coke	do.	10,390	8,002	4,048
Benzol	Gallon	—	281,087	184,622

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

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Formosa—				
Coal	Long ton	72,641	77,146	} (a)
do. (bunkers)	do.	39,142	28,375	
Coal dust	do.	311,151	290,364	
do. (bunkers)	do.	133,696	126,631	
Coke	do.	649	611	
Tar	do.	120	60	
French Indo-China—				
Coal	Long ton	1,266,598	1,228,445	1,129,072
Lignite	do.	3	—	—
Coke	do.	167	120	58
Briquettes	do.	36,119	23,538	14,530
Tar	do.	16	26	12
Japan—				
Coal	Long ton	2,097,269	1,515,808	1,365,971
do. (bunkers)	do.	2,246,831	1,872,418	1,749,245
Tar, pitch, etc.	do.	15,987	19,218	21,999
Korea—				
Coal	Long ton	240,057	315,697	397,875
Briquettes	do.	1,536	299	114
Netherlands East Indies—				
Coal	Long ton	470,596	383,177	256,316
do. (bunkers)	do.	144,394	58,507	14,404
Persia (f) (g)—				
Coal, coke and peat	Long ton	18	11	1
Benzol	do.	(a)	56	90
Turkey—				
Anthracite	Long ton	73,640	66,414	1,673
Coal, peat and briquettes	do.	79,727	145,933	414,665
Coke	do.	1	1	3

(a) Information not available.

(b) Foreign coal (see imports).

(c) Foreign coal; excluded from imports.

(d) National ships only.

(e) Included with coal

(f) Including re-exports.

(g) Years ended March 21 of year stated for 1930 and 1931 and June 21 for 1932.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom—				
Coal	Long ton	17,089	21,536	17,621
Coke	do.	673	502	10,213
Manufactured fuel	do.	245	332	193
Tar and pitch	do.	2,312	1,598	6,717
Heavy coal-tar oils	Gallon	89,067	420,936	220,255
do. (additional)	Long ton	445	2,040	1,073
Naphthalene	do.	1,276	466	853
Anthracene	do.	402	278	697
Carbolic acid	do.	9	11	7
Cresylic acid	Gallon	—	4,000	110
Benzol	do.	3,808,630	3,100,934	115,477
Naphtha	do.	(b) 115	—	—
Irish Free State (total imports)—				
Anthracite	Long ton	36,648	31,078	31,709
Bituminous coal	do.	2,462,883	2,382,409	2,256,095
Coke	do.	23,007	18,903	19,890
Tar and pitch	do.	11,836	8,040	7,561
Creosote etc.	do.	183	267	268
Malta—				
Coal, coke etc. (c)	Long ton	116,701	90,716	70,173
Anglo-Egyptian Sudan—				
Coal	Long ton	117,760	84,030	47,008
Coke	do.	3,172	501	371
Patent fuel	do.	1,524	2,286	3,532
Tar and pitch	do.	80	164	50
Gambia—				
Coal, coke and patent fuel	Long ton	2,040	2,052	1,560
Gold Coast—				
Coal	Long ton	56,624	23,811	29,066
Coke	do.	198	900	138
Patent fuel	do.	166	500	209
Kenya and Uganda—				
Coal	Long ton	105,756	66,539	50,657
Coke	do.	321	204	96
Tar, pitch and bitumen..	do.	2,093	1,592	198
Creosote, etc.	Gallon	52,781	23,182	19,224

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

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)				
Mauritius—				
Coal	Long ton	47,709	37,216	20,905
Coke	do.	301	243	} 88
Patent fuel	do.	5,500	7,699	
Tar	do.	41	44	50
Nigeria—				
Coal	Long ton	27,466	23,811	31,100
Coke and patent fuel ..	do.	1,196	1,400	1,215
Northern Rhodesia—				
Coal	Long ton	163,538	119,306	118,661
Coke	do.	524	1,300	288
Nyasaland—				
Coal and coke	Long ton	4,268	3,623	889
Seychelles—				
Coal	Long ton	393	298	—
Sierra Leone—				
Coal (c)	Long ton	42,763	36,100	28,543
Coke	do.	34	30	—
Southern Rhodesia—				
Coal and coke	Long ton	180	88	133
Tar, pitch, etc.	do.	164	230	216
South West Africa—				
Coal	Long ton	14,768	1,674	1,013
Coke	do.	1,573	4,746	66
Tanganyika Territory—				
Coal	Long ton	18,499	50,586	15,628
Coke	do.	51	299	12
Patent fuel	do.	16	—	—
Creosote	Gallon	1,710	1,188	2,271
Union of South Africa—				
Coal, coke and patent fuel	Long ton	2,737	38	2,516
Benzine and benzol ..	Gallon	5,220	15,523	65,827

(b) Excess of re-exports.

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

* For Ammonium sulphate, etc., *see* Nitrogen Compounds, pages 260-268.

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

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
Union of South Africa				
<i>(Cont.)</i> —				
Tar and pitch	Long ton	1,211	470	333
Naphthalene	do.	168	183	145
Creosote	Gallon	266,816	106,486	151,845
Zanzibar—				
Coal	Long ton	5,837	7,777	2,759
Canada—				
Anthracite	Long ton	3,800,080	2,821,171	2,797,865
do., dust, etc.	do.	—	2,326	13,654
Bituminous coal	do.	12,630,419	8,640,953	7,606,444
Brown coal	do.	16,674	5,723	2,682
Coal (bunkers)	do.	314,183	245,012	257,066
Coke	do.	947,741	611,668	578,642
Tar	Gallon	4,965,646	1,592,243	1,798,535
Pitch	Long ton	(£10,892)	(£9,444)	420
Naphthalene	do.	495	330	546
Carbolic acid, etc.	Gallon	2,358,516	2,089,020	422,427
Newfoundland (years ended June 30)—				
Anthracite	Long ton	13,823	12,089	9,228
Other coal	do.	420,178	326,046	239,010
Coke	do.	948	584	180
British Guiana—				
Coal	Long ton	7,108	4,569	3,272
Coke	do.	83	74	88
Patent fuel	do.	4,000	2,462	6,253
British West Indies—				
Bahamas—				
Coal	Long ton	609	613	71
Barbados—				
Coal (c)	Long ton	11,964	11,339	11,398
Bermuda—				
Coal	Long ton	4,737	11,729	7,332
Jamaica—				
Coal	Long ton	86,103	80,843	145,513
Coke	do.	23	51	55
Leeward Islands (d)—				
Coal, coke, etc.	Long ton	411	1,806	1,816
St. Lucia—				
Coal (c)	Long ton	34,780	4,575	22,779
St. Vincent—				
Coal	Long ton	20	27	62

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

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
British West Indies (Cont.)—				
Trinidad and Tobago—				
Coal (c)	Long ton	60,018	34,861	35,734
Coke	do.	21	48	334
Patent fuel	do.	1,625	2,951	6,098
British Honduras—				
Coal and coke	Long ton	1,248	383	128
Aden (total imports)—				
Coal (e)	Long ton	44,173	35,006	36,331
Coke	do.	90	5	24
Tar and pitch	do.	28	19	33
Naphthalene	do.	130	104	169
British Borneo—				
State of North Borneo—				
Coal and coke	Long ton	23	8	15
British India (total imports)—				
Coal	Long ton	198,327	76,086	33,632
Coke	do.	18,702	11,949	13,912
Coal and coke on government account	do.	51	—	131
Tar and pitch	do.	1,913	2,689	4,312
Naphthalene	do.	628	346	423
Carbolic acid	do.	32	38	23
British Malaya (total imports)—				
Coal (c)	Long ton	685,435	550,225	538,831
Coke	do.	6,006	5,081	3,565
Tar	do.	2,037	1,616	1,365
Ceylon—				
Coal (c)	Long ton	566,961	494,268	350,046
Coke	do.	692	756	902

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

(d) Total imports, including inter-presidency trade.

(e) Imported chiefly for bunkering purposes. Exports of bunkers not available.

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

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE (Cont.)				
Cyprus—				
Coal	Long ton	9,697	10,607	10,454
Tar and pitch	do.	6	40	12
Hong Kong (total imports)—				
Anthracite	Long ton	(b)2,722	2,256	19,604
Bituminous	do.	(b)479,242	659,666	757,029
Coke	do.	(b)1,832	2,324	2,468
Palestine (total imports)—				
Anthracite	Long ton	21,404	20,412	27,566
Other coal	do.	22,556	19,044	22,443
Briquettes	do.	4,442	3,724	3,815
Tar and pitch	do.	75	77	83
Australia—				
Coal	Long ton	330,450	737	4,764
Coke	do.	3,897	618	616
Tar and pitch	do.	538	403	243
Naphthalene	do.	197	134	156
Carbolic acid	do.	41	25	23
Benzene and benzol	Gallon	43,892	838	—
Tar oil	do.	73,448	30,039	134,701
Fiji—				
Coal	Long ton	27,430	21,213	18,877
Coke	do.	578	151	421
Tar and pitch	£	1,555	1,108	1,116
New Zealand—				
Coal	Long ton	157,943	179,060	103,531
Coke	do.	825	186	601
Benzol, toluol, etc.	Gallon.	6,650	3,944	6,757
Creosote (i)	£	270	(a)	(a)
Naphthalene (i)	£	884	333	255
Solomon Islands—				
Coal	Long ton	1,979	1,328	(a)
Western Samoa—				
Coal	£	180	53	158
FOREIGN COUNTRIES				
Austria—				
Coal	Long ton	3,862,490	3,769,479	2,947,103
Brown coal	do.	350,567	348,357	173,689
Coke	do.	482,071	372,887	301,450
Briquettes	do.	51,222	60,784	30,965
Carbolic acid	do.	293	262	277

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Austria (Cont.)—				
Tar and pitch	Long ton	1,061	826	153
Naphthalene	do.	14	21	9
Carbolineum, creolin, etc.	do.	5	1	2
Tar oils	do.	2,268	2,376	818
Belgium-Luxemburg E.U.—				
Coal	Long ton	10,151,229	9,377,948	6,629,663
Brown coal	do.	165,469	176,088	162,387
Coke	do.	2,900,104	2,119,833	1,911,825
Briquettes	do.	176,728	240,434	199,882
Tar and pitch	do.	121,651	140,960	117,892
Naphthalene	do.	6,694	7,693	6,304
Anthracene	do.	764	1,303	751
Distillates	do.	8,809	38,532	51,022
Bulgaria—				
Coal	Long ton	92	81	43
Coke	do.	8,394	4,010	4,345
Carbolic acid	do.	8	6	6
Naphthalene	do.	220	332	325
Creosote, etc.	do.	2,636	3,631	12
Czechoslovakia—				
Coal	Long ton	1,852,929	1,801,967	1,562,979
Brown coal	do.	121,379	116,887	102,647
Coke	do.	212,013	230,598	225,177
Briquettes	do.	25,399	33,447	32,379
Tar and pitch	do.	11,970	17,014	1,506
Benzol, etc.	do.	305	458	102
Distillates	do.	59	79	222
Crude carbolic acid	do.	124	171	157
Cresol	do.	105	39	28
Denmark—				
Coal	Long ton	3,638,304	3,603,349	3,545,464
Coke	do.	924,414	1,070,207	935,981
Briquettes	do.	267,376	338,319	150,522
Tar and pitch	do.	8,374	13,376	4,282
Benzol	do.	999	945	759
Carbolic acid	do.	13	11	16

(b) April-December only.

(i) £ New Zealand.

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Estonia—				
Coal	Long ton	90,864	90,978	47,201
Coke	do.	3,232	2,380	1,474
Tar and pitch	do.	883	717	32
Naphthalene	do.	11	17	10
Carbolic acid	do.	2	3	3
Benzol	do.	1	3	6
Finland—				
Anthracite	Long ton	1,727	612	2,241
Bituminous	do.	900,583	863,589	873,659
Brown coal, briquettes, etc.	do.	1,380	5,334	819
Coke	do.	160,262	186,571	167,562
Tar and pitch	do.	1,463	1,304	811
Carbolic acid, creosote and cresol	do.	1,119	1,753	2,929
Naphthalene	do.	77	83	76
Benzol	do.	1,794	4,223	52
Carbolineum	do.	150	136	134
France—				
Coal	Long ton	24,375,590	22,723,091	17,581,726
Coke	do.	4,493,401	3,343,921	1,932,076
Briquettes	do.	1,358,531	1,546,426	1,073,530
Tar and pitch	do.	496,447	481,887	686,441
Naphthalene, etc.	do.	4,234	1,918	4,244
Carbolic acid, etc.	do.	962	632	1,902
Benzol	do.	4,567	5,871	11,500
Germany—				
Coal	Long ton	6,823,942	5,681,301	4,137,222
Brown coal	do.	2,181,525	1,767,942	1,416,651
Coke	do.	418,119	648,586	715,609
Coal briquettes	do.	31,977	58,712	77,427
Brown-coal briquettes	do.	90,048	83,026	68,029
Tar and pitch	do.	18,875	50,982	23,539
Naphthalene	do.	1,737	1,073	425
Anthracene	do.	181	39	55
Carbolic acid	do.	1,818	984	1,630
Cresol	do.	570	836	688
Light coal-tar oils, etc.	do.	167,120	136,670	80,828
Heavy coal-tar oils, etc.	do.	7,754	3,426	6,146

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Greece—				
Coal	Long ton	814,192	765,663	719,730
Coke	do.	(a)	30,253	38,083
Naphthalene	do.	505	579	547
Pitch	do.	327	245	127
Benzol	do.	(a)	626	326
Hungary—				
Coal	Long ton	834,289	596,124	210,212
Brown coal	do.	15,400	13,224	5,305
Coke	do.	367,533	245,199	161,449
Briquettes	do.	237	89	20
Tar and pitch	do.	9,076	15,532	31,917
Benzols	do.	4,377	1,561	1,107
Carbolic acid and cresol	do.	11	16	16
Anthracene, etc... .. .	do.	90	89	74
Iceland—				
Coal	Long ton	128,928	(a)	(a)
Coke	do.	1,699	(a)	(a)
Tar and pitch	do.	32	(a)	(a)
Carbolineum	do.	27	(a)	(a)
Italy—				
Anthracite	Long ton	1,231,604	1,222,499	895,718
Bituminous coal	do.	10,513,998	8,734,688	6,737,363
Lignite	do.	52,501	45,447	45,862
Coke	do.	715,211	709,596	744,342
Briquettes	do.	160,144	199,427	210,222
Tar and tar oils	do.	18,864	19,348	14,119
Carbolic acid	do.	555	591	478
Naphthalene	do.	1,538	1,507	1,465
Benzol, toluol and xylol..	do.	8,114	9,769	6,617
Latvia—				
Coal	Long ton	598,926	457,022	364,508
Coke	do.	51,717	63,477	62,532
Briquettes	do.	330	10,639	197
Tar and pitch	do.	3,331	2,570	573
Carbolic acid	do.	35	6	8
Naphthalene	do.	49	34	53
Benzol	do.	2	44	13
Creosote, etc.	do.	2,168	1,449	2,459

(a) Information not available.

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Lithuania—				
Coal	Long ton	203,258	232,000	214,006
Coke	do.	11,382	19,096	21,778
Briquettes	do.	7,482	8,326	5,133
Carbolic acid	do.	11	—	7
Naphthalene	do.	11	21	15
Tar	do.	2,063	537	597
Netherlands—				
Coal	Long ton	8,969,309	8,366,474	6,410,497
Brown coal	do.	54	32	55
Coke	do.	284,706	310,678	311,182
Briquettes	do.	325,298	392,630	348,815
Brown-coal briquettes	do.	162,283	188,742	168,083
Tar	do.	19,764	8,431	2,389
Creosote	do.	20,291	6,852	1,171
Naphthalene	do.	340	333	346
Carbolic acid	do.	105	96	128
Benzol	do.	2,328	385	85
Toluol and xylol	do.	111	126	101
Naphtha	do.	132	45	50
Norway—				
Coal	Long ton	2,231,000	1,857,898	1,988,194
Coke	do.	380,338	428,965	366,421
Tar and pitch, etc.	do.	3,332	2,710	7,528
Creosote, etc.	do.	2,438	3,750	3,540
Poland—				
Anthracite	Long ton	128	2,807	4,486
Bituminous coal.. .. .	do.	31,659	42,096	88,367
Brown coal	do.	49	296	256
Coke	do.	114,772	68,507	39,558
Briquettes	do.	14,679	17,422	11,839
Tar and pitch	do.	8,320	3,232	6,389
Creosote, etc.	do.	1,423	158	141
Benzol	do.	1,087	368	80
Carbolic acid, etc.	do.	24	27	4
Anthracene, etc... .. .	do.	39	52	17
Portugal—				
Coal and coke	Long ton	1,216,267	1,082,694	901,937
Briquettes	do.	580	10,510	244
Tar and pitch	do.	3,348	1,573	3,530
Carbolic acid	do.	2	3	2
Naphthalene	do.	83	94	77

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Roumania—				
Anthracite	Long ton	1,349	4,864	317
Bituminous coal	do.	164,067	67,011	59,622
Coke	do.		42,085	43,553
Brown coal	do.	207	144	231
Briquettes	do.	592	322	487
Naphthalene	do.	245	251	214
Benzol	do.	114	152	160
Tar	do.	120	119	165
Creosote, etc.	do.	7,909	12,768	2,289
Carbolic acid	do.	63	61	36
Spain (total imports)—				
Anthracite	Long ton	102,796	81,840	81,677
Bituminous coal	do.	1,278,829	933,938	725,313
Other coal	do.	6,691	354	127
Coke	do.	243,462	147,906	80,077
Briquettes	do.	22,465	16,659	15,931
Benzol, toluol, xylol, etc.	do.	67	580	2,478
Creosol and carbolic acid..	do.	24	55	46
Creosote	do.	329	384	1,112
Tar and pitch	do.	45,009	61,070	50,068
Naphthalene, etc.	do.	4	—	—
Sweden—				
Anthracite	Long ton	74,612	74,244	75,205
Bituminous coal.. ..	do.	4,627,923	4,388,751	4,382,379
Coke	do.	1,172,769	1,416,417	1,276,564
Briquettes	do.	7,320	11,039	7,523
Tar, pitch, etc.	do.	4,002	2,805	2,279
Benzol oils	do.	1,043	297	1,349
Carbolic acid, etc.	do.	5,134	8,166	5,951
Switzerland—				
Coal	Long ton	1,954,504	1,925,038	1,877,273
Lignite	do.	619	311	257
Coke	do.	652,014	757,194	779,907
Briquettes	do.	490,753	555,340	570,367
Tar and pitch	do.	40,261	33,943	34,443
Creosote, etc.	do.	1,006	1,329	772
Naphthalene, etc.	do.	7,601	7,217	6,835

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
U.S.S.R. (Russia)—				
Coal	Long ton	62,613	104,919	51,682
Coke and briquettes	do.	13	20	—
Benzol, etc.	do.	10	19	—
Carbolic acid	do.	36	170	—
Cresol	do.	53	1	—
Yugoslavia—				
Anthracite	Long ton	49,437	41,484	30,594
Bituminous coal	do.	280,970	231,675	164,488
Lignite	do.	89	30	251
Brown coal	do.	14,724	1,374	2,194
Coke	do.	190,995	168,292	151,061
Briquettes	do.	38,304	205	69
Tar	do.	2,950	1,873	2,035
Light oils	do.	843	143	181
Heavy oils	do.	6,873	11,517	9,571
Naphthalene	do.	297	426	168
Carbolic acid, etc.	do.	36	57	29
Algeria—				
Coal	Long ton	610,044	486,423	397,619
Coke	do.	1,852	2,530	2,264
Briquettes	do.	270,106	255,220	204,124
Tar	do.	12,494	9,967	7,972
Benzol	do.	83	77	(a)
Angola—				
Coal	Long ton	34,588	31,930	26,636
Coke	do.	626	56	383
Tar and pitch	do.	123	117	133
Belgian Congo—				
Coal	Long ton	245,621	69,003	26,357
Coke	do.	74,132	37,219	25,159
Briquettes	do.	76,772	37,648	32,407
Cameroon (French)—				
Coal	Long ton	7,276	158	7,385
Canary Islands—				
Coal	Long ton	(d) 376,239	(c) 197,576	(a)
Cape Verde Islands—				
Coal (c)	Long ton	161,478	140,071	(a)
Egypt—				
Coal	Long ton	1,143,907	1,091,031	954,032
Coke	do.	17,278	14,428	12,051
Briquettes	do.	34,923	48,909	40,662
Tar and pitch	do.	3,069	2,749	3,412
Naphthalene	do.	109	144	122

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
French Equatorial Africa—				
Coal	Long ton	2,136	1,518	1,834
Tar	do.	44	(a)	31
French Somaliland—				
Coal	Long ton	164,549	24,933	(a)
French Togoland—				
Coal	Long ton	2,040	3,461	5,094
Tar	do.	74	55	79
French West Africa—				
Dahomey—				
Coal	Long ton	3,700	4,193	3,882
Tar	do.	59	(a)	(a)
French Guinea—				
Coal, coke and briquettes	Long ton	49	2,610	556
Tar	do.	11	(a)	(a)
Ivory Coast—				
Coal, coke and briquettes	Long ton	2,666	243	11
Tar	do.	67	(a)	(a)
Mauritania—				
Coal	Long ton	20	6	20
Senegal—				
Coal, coke, etc. (c) ..	Long ton	239,983	163,749	129,610
Tar	do.	71	55	(a)
Madagascar—				
Coal	Long ton	20,506	13,457	10,929
Tar	do.	286	172	138
Morocco—				
Coal	Long ton	170,332	149,596	183,215
Coke	do.	5,566	2,761	10,333
Tar and bitumen ..	do.	14,284	13,392	7,237
Mozambique—				
Coal	Long ton	116,531	114,226	113,193
Coke	do.	751	135	60
Tar and pitch	do.	128	127	81

(a) Information not available.

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

(d) Bunkers. Imports not available. See exports.

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Réunion—				
Coal	Long ton	5,583	6,775	(a)
Tunis—				
Coal	Long ton	232,056	160,158	144,980
Coke	do.	6,958	7,781	2,610
Briquettes	do.	26,258	15,546	19,218
Tar	do.	7,718	4,318	6,119
Costa Rica (b)—				
Coal	Long ton	4,325	(a)	(a)
Cuba (b)—				
Coal	Long ton	471,337	342,278	} (a)
Coke	do.	26,024	24,945	
Creosote oil	do.	26	25	
Tar	do.	234	111	
Dominican Republic (b)—				
Coal	Long ton	9,986	3,974	4,638
French West Indies—				
Guadeloupe—				
Coal	Long ton	2,397	7,095	(a)
Martinique—				
Coal	Long ton	11,502	16,297	18,970
Coke	do.	160	250	29
Tar	do.	43	(a)	(a)
Mexico—				
Coal	Long ton	49,704	19,985	} (a)
Coke	do.	1,489	992	
Tar and pitch	do.	(a)	315	
Benzol	do.	3	6	
Netherlands West Indies—				
Coal	Long ton	26,083	3,438	(a)
Nicaragua (total imports)—				
Coal and coke	Long ton	209	136	75
St. Pierre and Miquelon—				
Coal	Long ton	7,000	5,000	(a)
Salvador—				
Coal and briquettes	Long ton	267	(a)	(a)

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
United States—				
Anthracite	Long ton	(c) 602,511	(c) 569,599	542,051
Bituminous coal and lignite	do.	(c) 215,076	(c) 184,199	166,883
Coke	do.	118,459	92,467	104,710
Briquettes	do.	(a)	(a)	(d) 26,081
Tar and pitch	do.	3,535	4,356	5,793
Creosote oil	Gallon	55,768,189	30,737,417	24,416,525
Naphthalene	Long ton	12,351	13,826	12,055
Carbolic acid	do.	570	317	287
Argentina—				
Coal	Long ton	3,013,188	2,577,794	2,349,504
Coke	do.	30,988	22,452	29,125
Tar and pitch	do.	193	16	35
Naphthalene	do.	400	603	414
Carbolic acid	do.	235	149	170
Creolin	do.	37	11	92
Bolivia—				
Coal, coke and briquettes	Long ton	27,506	(a)	(a)
Brazil (total imports)—				
Coal	Long ton	1,718,253	1,115,888	1,081,867
Coke	do.	21,169	9,693	14,791
Briquettes	do.	171,853	139,610	74,022
Chile—				
Coal	Long ton	3,463	2,239	437
Coke	do.	13,073	8,264	2,607
Briquettes	do.	2,368	—	495
Creosote, etc.	do.	6	6	139
Naphthalene, etc.	do.	16	45	50
Carbolic acid and cresol..	do.	1,157	2,644	—
Colombia—				
Coal and briquettes ..	Long ton	5,718	} (a)	(a)
Tar and pitch	do.	52		
Carbolic acid	do.	4		
Cresol, creolin, etc. ..	do.	377		
Dutch Guiana				
Coal	Long ton	6,858	4,616	(a)
Ecuador—				
Coal, coke, etc.	Long ton	582	517	} (a)
Creosote, etc.	do.	17	1	
Creolin	do.	46	28	
French Guiana—				
Coal	Long ton	16	10	33
Coke	do.	90	38	26

(a) Information not available.

(b) Total imports.

(c) Total imports. Re-exports of coal were 63,465 and 5,637 tons in 1930 and 1931 respectively.

(d) June 21 to December 31.

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Peru—				
Coal	Long ton	36,046	29,779	15,246
Coke	do.	3,740	926	2,344
Tar	do.	171	113	76
Naphthalene	do.	11	17	12
Uruguay—				
Coal	Long ton	371,011	386,316	(a)
Venezuela—				
Coal	Long ton	12,523	15,620	14,681
Naphthalene	do.	6	34	9
Aniline	do.	44	42	44
China—				
Coal	Long ton	2,467,042	1,902,890	1,418,311
Coke	do.	6,903	6,265	3,202
Briquettes	do.	(a)	(a)	2,620
Tar and pitch	do.	1,063	1,659	1,366
Carbolic acid	do.	264	454	313
Naphthalene	do.	(a)	(a)	577
Formosa—				
Coal	Long ton	26,435	47,271	} (a)
Coke	do.	7,527	6,114	
Tar	do.	761	—	
French Indo-China—				
Bituminous coal	Long ton	32,331	15,358	17,563
Lignite	do.	5	—	—
Coke	do.	524	858	315
Briquettes	do.	23	—	—
Tar	do.	3,969	5,218	4,398
Iraq (years ended March 31 of the year following)—				
Coal	Long ton	1,527	1,135	2,534
Coke	do.	80	118	162
Tar and pitch	do.	19	22	12
Japan (total imports)—				
Coal	Long ton	2,650,280	2,650,144	2,673,222
Coke	do.	2,024	3,329	2,163
Carbolic acid	do.	95	116	102
Naphthalene	do.	2,480	3,051	3,020
Distillates	do.	1,470	1,780	2,893
Korea (total imports)—				
Coal	Long ton	935,662	830,212	846,286
Coke	do.	12,086	6,429	11,146
Benzol	do.	121	(a)	(a)
Tar and pitch	do.	4,073	3,176	6,001

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

Importing Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Netherlands East Indies—				
Coal	Long ton	142,169	83,418	} (a)
Coke	do.	21,759	4,687	
Tar	do.	2,651	1,509	
Benzol	do.	78	116	
Carbolineum	do.	340	154	
Carbolic acid	do.	43	31	
Creolin, etc.	do.	362	367	
Naphthalene	do.	268	234	
Asphalt	do.	61	53	
Philippine Islands—				
Coal	Long ton	525,575	353,205	296,609
Coke	do.	2,054	2,202	2,996
Carbolic acid	do.	5	6	2
Persia (total imports) (g) —				
Coal, coke and peat	Long ton	882	1,372	120
Tar	do.	256	277	643
Benzol	do.	(a)	366	1
Portuguese India—				
Coal	Long ton	12,785	14,374	(a)
Siam (total imports)—				
Coal	Long ton	34,612	26,306	16,275
Coke	do.	2,540	1,409	1,213
Syria and Lebanon—				
Anthracite	Long ton	3,554	3,697	1,563
Other coal	do.	24,589	34,833	55,957
Briquettes	do.	47,964	18,666	15,807
Coke	do.	2,537	2,289	799
Tar	do.	196	28	20
Naphthalene	do.	29	37	12
Turkey—				
Anthracite	Long ton	18,370	8,846	23,002
Coal, peat and briquettes	do.	21,926	19,177	6,238
Coke	do.	23,898	11,637	24,337
Creosote	do.	1	74	1,119
Cresol and naphthalene	do.	171	252	169
New Caledonia—				
Coal	Long ton	81,473	69,792	61,245
Coke	do.	16,424	8,006	9

(a) Information not available.

(g) Years ended March 21 of year stated for 1930 and 1931 and June 21 for 1932.

COBALT

PRODUCTION OF COBALT

(Cwt.)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Canada (c)	6,198	4,652	4,381
India (b)	2,200	2,000	2,500
Australia (metal)	70	—	60
FOREIGN COUNTRIES			
Belgian Congo (d)	14,000	7,280	6,590
French Morocco (ore)	—	—	11,220

Note :—Complex ores containing cobalt are also found in Germany and China, but cobalt content is not available.

(b) Estimated cobalt content of nickel-speiss exported to Hamburg.

(c) Metal recovered from smelter products plus cobalt contained in cobalt residues exported.

(d) Content of metal, oxide and salts produced at Oolen (Belgium) from ores raised in the Belgian Congo.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	130	44	39
Cobalt oxide	1,015	848	743
Canada—			
Cobalt ore (<i>Co content</i>) ..	3,568	2,438	1,113
Cobalt	348	522	522
Cobalt alloys	356	147	182
Cobalt oxides and salts	2,919	2,876	3,368
Australia—			
Cobalt ore	792	209	860
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt salts	138	795	2,421
Czechoslovakia—			
Zaffre and smalt ..	4	—	2
France—			
Cobalt ore	6	—	2
Cobalt oxide, including zaffre and smalt ..	112	16	37
Cobalt salts	6	8	24
Belgian Congo—			
Copper-cobalt alloy ..	63,760	8,223	—
Morocco—			
Ore	—	—	4,000

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	2,272	3,723	2,857
Cobalt oxide	3,838	3,751	2,538
Canada—			
Oxides of cobalt, tin and copper	2,173	2,082	1,535
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt salts	252	148	100
Czechoslovakia—			
Zaffre and smalt	315	341	236
France—			
Cobalt ore	533	500	1,501
Cobalt oxide, including zaffre and smalt	2,029	1,118	370
Cobalt salts	4	12	35
Italy—			
Cobalt oxide	276	262	207
Poland—			
Cobalt	2	2	16
Cobalt salts	63	35	35
Roumania—			
Cobalt oxide	8	9	12
Mexico—			
Cobalt	2	1	(a)
United States—			
Cobalt ore and metal	5,892	2,222	1,342
Cobalt oxide	3,803	2,874	2,017
French Indo-China—			
Cobalt oxide	2	4	2
Japan (total imports)—			
Cobalt oxide	1,039	722	853
Turkey—			
Cobalt	39	—	—

(a) Information not available.

COPPER

PRODUCTION OF COPPER ORE

(In terms of metal)

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom ..	48	66	61
Northern Rhodesia ..	8,494	32,403	87,239
Southern Rhodesia (smelter)	1,313	530	5
South West Africa (d) ..	14,900	8,300	2,400
Union of South Africa ..	8,491	10,045	9,254
Canada	135,481	130,493	110,571
Newfoundland	800	1,400	2,000
Cyprus	5,100	3,800	3,200
India (estimated)	11,600	11,500	11,200
Australia	12,984	13,532	14,658
Total ..	199,000	212,000	241,000
FOREIGN COUNTRIES			
Austria	2,181	1,292	168
Bulgaria (ore)	27,015	900	—
Czechoslovakia	2,302	1,661	(a)
Finland	5,100	6,100	6,300
France	415	335	(a)
Germany	26,546	29,356	30,255
Hungary (estimated) ..	30	30	270
Italy	492	431	817
Norway	18,004	8,565	16,501
Portugal (estimated) ..	4,000	3,000	2,000
Roumania	137	21	(a)
Spain	62,000	53,000	34,000
Sweden	794	8,407	3,300
U.S.S.R. (Russia) (estimated)	33,600	30,600	31,500
Yugoslavia (smelter) ..	24,077	23,917	29,683
Algeria	1	—	—
Belgian Congo (smelter) ..	136,754	118,000	53,000
French Equatorial Africa	600	80	(a)
French West Africa ..	133	200	—
Cuba	13,790	13,293	5,833

(a) Information not available.

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

PRODUCTION OF COPPER ORE (*Cont.*)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Mexico (<i>b</i>)	72,252	53,355	34,698
United States (<i>b</i>)	629,530	472,210	214,278
Bolivia (exports)	3,924	2,016	1,985
Chile	252,379	221,000	101,600
Peru	47,513	43,623	22,529
China (estimated)	10	12	(<i>a</i>)
Formosa	4,100	4,000	3,400
Japan (smelter)	77,785	74,650	69,891
Korea (smelter)	571	674	(<i>a</i>)
Turkey	—	61	—
New Caledonia	50	—	—
Total	1,420,000	1,170,000	660,000
WORLD'S TOTAL	1,620,000	1,380,000	900,000

(*a*) Information not available.

(*b*) Amount estimated as recoverable.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (estimated)	18,000	16,000	13,000
Northern Rhodesia ..	6,269	8,927	67,887
Southern Rhodesia ..	1,313	530	6
Union of South Africa ..	7,370	10,063	9,239
Canada (d)	99,951	108,841	94,199
India	2,974	4,069	4,443
Australia	14,900	12,936	13,307
Total ..	151,000	161,000	202,000
FOREIGN COUNTRIES			
Austria	4,012	3,184	1,956
Belgium	14,409	30,904	(a)
Czechoslovakia	1,497	1,196	(a)
France (c)	1,645	1,053	(a)
Germany (b)	58,300	54,600	50,100
Hungary	—	—	274
Italy	258	710	420
Norway	5,068	4,283	5,330
Roumania	167	—	(a)
Spain	22,632	25,327	14,142
Sweden	5,697	2,958	3,088
U.S.S.R. (Russia) (years ended Sept. 30) ..	46,700	48,000	(a)
Yugoslavia	24,077	23,917	29,683
Belgian Congo (e) ..	136,754	118,000	53,000
Mexico	55,508	42,000	33,500
United States	718,088	528,691	274,591
Chile	204,281	211,849	95,976
Peru	44,943	43,000	20,000
China (exports)	1,184	155	16
Japan	77,785	74,650	69,793
Korea	571	674	(a)
Total ..	1,430,000	1,220,000	730,000
WORLD'S TOTAL	1,580,000	1,380,000	930,000

(a) Information not available.

(b) *Metallgesellschaft* figures.

(c) Includes some matte.

(d) Copper content of blister copper.

(e) The figure for 1930 is in terms of blister copper ; those for later years refer to fine copper.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc.	5,460	3,596	3,097
Bars, ingots, etc.—			
Electrolytic	1	3	—
Other	8,062	5,446	6,161
Scrap	3,451	2,741	3,979
Plates, sheets, etc.	6,352	4,945	5,878
Rods	1,191	419	319
Tubes	1,408	1,024	740
Wire	9,038	6,470	4,098
Sulphate.	42,359	38,975	47,525
Northern Rhodesia—			
Ore and concentrates	129	22,790	239
Bars and ingots	5,600	4,823	72,423
South West Africa—			
Copper - lead ore and matte	55,084	32,445	24,631
Union of South Africa—			
Ore and concentrates	72	5,514	—
Blister	1,048	—	—
Bars, plates, etc.	5,823	8,877	8,865
Canada—			
Ore, matte, etc. (<i>Cu con-</i> <i>tent</i>)	33,395	21,768	16,949
Blister	65,858	16,829	9,819
Scrap	3,020	2,289	2,628
Bars, sheets, tubes etc.	3,107	46,966	89,698
Newfoundland (<i>b</i>)—			
Concentrates	1,000	—	—
British India—			
Matte, etc.	16,724	14,213	11,251
British Malaya (including re-exports)—			
Ingots, bars, sheets, etc.	139	117	47
Cyprus—			
Precipitate	10	—	—

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Hong Kong (including re-exports)—			
Bars, sheets, tubes, etc.	(d)249	734	553
Sulphate.. .. .	—	5	4
Australia (including re-exports)—			
Ore, etc. (<i>Cu content</i>) (b)	1,032	299	95
Matte	3,155	1,255	—
Blocks and ingots ..	9,520	12,061	10,370
Bars, sheets, wire, etc.	7	11	5
Papua—			
Copper and copper ore ..	8	2	—
FOREIGN COUNTRIES			
Austria—			
Ore	114	72	—
Rough copper and scrap	2,181	1,696	1,035
Bars, sheets, wire, etc.	2,510	2,473	1,457
Sulphate.. .. .	17	204	117
Belgium-Luxemburg E.U.—			
Ore	8,501	3,834	3,110
Rough copper and scrap	70,723	69,122	59,460
Sheets, wire, etc. ..	11,944	6,550	6,455
Sulphate.. .. .	15,051	20,509	24,114
Bulgaria—			
Ore (c)	2,096	—	—
Ingot and scrap ..	13	—	—
Czechoslovakia—			
Ore	6,172	6,257	1,535
Crude, refined and scrap	5,051	4,611	1,888
Sheets, rods, wire, etc.	332	740	296
Denmark—			
Bars, sheets, wire, etc...	57	65	48
Estonia—			
Scrap	110	102	455

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

(c) Excluding mixed ores.

(d) April-December, only.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Finland—			
Ore	54,284	56,898	62,096
Rough copper and scrap	262	141	179
France—			
Ore, matte, etc... ..	6,627	9,659	6,448
Ingots, alloys, etc. ..	6,499	1,535	1,384
Scrap	4,585	2,813	3,684
Bars, sheets and wire ..	27,283	18,134	10,386
Sulphate	4,920	4,965	3,752
Germany—			
Ore, including burnt cupreous pyrites ..	9,673	23,275	21,455
Rough copper and alloys	42,389	45,684	44,092
Coin and scrap	4,060	4,118	2,412
Bars, sheets, wire, etc. . .	34,862	32,539	30,729
Sulphate, including fer- rous sulphate.. ..	8,192	8,392	9,665
Hungary—			
Rough copper and scrap	111	45	—
Bars, sheets, wire, etc... .	1,693	1,248	1,070
Sulphate	56	1,811	229
Italy—			
Ore	1,307	629	296
Ingots scrap and alloys	1,356	572	467
Bars, sheets, wire, etc., and alloys	356	560	207
Sulphate.. .. .	5,648	4,543	3,777
Latvia—			
Bars and scrap.. .. .	34	—	—
Netherlands—			
Ingots and bars	51	47	39
Scrap	1,551	1,052	1,025
Sheets, tubes and wire.. .	1,430	680	768
Sulphate	19	11	22
Norway—			
Concentrates	1,569	4,139	12,811
Cupreous pyrites	420,718	217,099	274,363
Other ore	1,186	1,204	65
Burnt cupreous pyrites	34,595	12,889	37,007
Refined copper	4,708	3,323	4,007
Scrap, including brass .. .	750	556	758
Sheets, tubes, wire, etc., including brass	159	83	114

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Poland—			
Precipitate and scrap ..	15	35	33
Pigs, bars and ingots ..	28	106	81
Sheets, tubes and wire ..	5	12	—
Sulphate.. .. .	158	180	162
Portugal—			
Ore and cupreous pyrites	352,687	235,104	199,211
Precipitate	793	550	224
Sulphate	73	70	59
Roumania—			
Ore	145	269	8
Rough and scrap ..	148	8	213
Spain (including re-exports)—			
Ore—			
Not more than 2½ % copper	755,358	502,912	346,611
More than 2½ % copper	2,700	—	14
Precipitate and scrap (c)	16,673	12,476	12,512
Ingots (c)	6,084	6,405	298
Sulphate.. .. .	36	56	57
Sweden—			
Ore	1,001	533	3,885
Rough copper	4,715	4,947	5,853
Scrap, including brass ..	1,857	2,693	2,370
Sheets, tubes, wire, etc.	5,814	4,577	4,667
Sulphate	—	—	2
Switzerland—			
Ore, filings and turnings	1,730	1,176	955
Bars, ingots, etc. (c) ..	369	212	294
Scrap (c)	542	236	557
Sheets, tubes, wire, etc. (c)	6,070	5,383	4,086
U.S.S.R. (Russia)—			
Copper	42	8	13
Yugoslavia—			
Ore	17	—	10
Ingots and scrap	24,277	22,301	25,792
Sulphate	1	2	4

(c) Including alloys.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Ore, matte, etc... ..	51	—	31
Bars, sheets and wire ..	44	117	187
Scrap	441	341	556
Angola—			
Ore	—	—	792
Belgian Congo—			
Ore	444	2	—
Ingots	144,431	122,045	58,688
Copper-cobalt alloy ..	3,619	411	—
Egypt—			
Rough copper and scrap	(d)135	73	2
French Equatorial Africa—			
Ore	738	2	—
Morocco—			
Scrap	193	63	121
Mozambique—			
Ore	—	295	1
Cuba—			
Ore	60,168	51,039	26,613
Scrap	2,840	149	(a)
Mexico—			
Ores, concentrates, etc.	60,643	36,426	(a)
Bars	55,508	42,792	(a)
United States—			
Unrefined copper (<i>Cu</i> <i>content</i>)	80	134	14,672
Refined ingots, etc. ..	265,230	180,980	99,087
Scrap	15,128	29,990	15,339
Sheets, rods, wire, etc. ..	46,683	32,012	14,670
Sulphate	2,260	3,210	1,845
Argentina—			
Ore	1,291	62	29
Bolivia—			
Ore, etc. (<i>Cu content</i>) ..	3,924	2,016	1,985
Chile—			
Ore and concentrates ..	84,170	40,603	22,617
Precipitate	488	365	115
Ingots	192,928	208,394	118,805

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Peru—			
Ores (<i>Cu content</i>) ..	784	697	580
Mattes, etc. (<i>do.</i>) ..	57	42	66
Bars (<i>do.</i>) ..	48,964	42,874	21,716
Precipitate (<i>do.</i>) ..	443	10	7
Venezuela—			
Ore	—	—	1,310
Rough Copper	—	1,772	—
Scrap	57	200	14
China—			
Ingots and blocks ..	1,184	155	16
Scrap	—	2,607	13
French Indo-China—			
Ingots, sheets, wire, alloys etc.	6	1	3
Scrap	35	50	28
Formosa—			
Copper	113	116	(a)
Japan—			
Ingots and blocks ..	19,022	3,211	2,722
Plates, sheets and wire..	3,142	1,783	3,879
Korea—			
Ingots	982	845	843
Netherlands East Indies—			
Scrap	1,105	708	(a)
Philippine Islands—			
Scrap	311	246	217
Turkey—			
Ore	114	—	—
Ingots, bars, sheets, wire, scrap and alloys ..	747	361	34
Sulphate.. ..	4	27	9

(a) Information not available.

(d) March–December only.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc. ..	45,487	35,643	33,145
Bars, ingots, etc.—			
Electrolytic	94,225	73,209	90,109
Other	46,094	53,244	53,395
Scrap	3,297	3,595	2,536
Plates, sheets, etc. ..	3,259	4,071	3,072
Rods	24,693	26,753	15,387
Tubes	1,774	1,626	639
Wire	6,741	4,885	1,047
Sulphate.. .. .	185	727	34
Irish Free State—			
Sheets, wire, tubes, etc.	1,015	643	559
Sulphate	2,898	3,656	4,045
Kenya and Uganda—*			
Sheets and wire ..	148	42	6
Mauritius (total imports)—			
Bars, sheets, scrap, etc.	36	26	11
Northern Rhodesia—			
Bars, sheets, etc. ..	5	6	—
South West Africa—			
Bars, sheets, pipes, etc. ..	8	3	4
Tanganyika Territory—			
Sheets and wire ..	92	40	19
Union of South Africa—			
Bars, ingots and slabs..	175	309	840
Plates, sheets and tubes	529	458	195
Wire	235	65	33
Canada—			
Blocks, pigs and ingots.	3,512	431	118
Scrap	645	336	4
Bars, sheets, wire, etc. ..	16,503	5,705	939
Sulphate	2,686	2,336	2,310
West Indies (Barbados)—			
Bars and sheets	(£809)	(£441)	(£236)
British Honduras—			
Sheets and rods	(£690)	(£3,491)	(a)

IMPORTS OF COPPER, ETC. (Cont.).

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Pyrites	2	—	—
Scrap	496	346	116
Ingots, cakes, blocks, etc.	711	289	130
Sheets, tubes, wire, etc.	8,833	11,637	17,415
Sulphate	996	815	1,061
Copper (government stores)	600	655	28
British Malaya (total imports)—			
Bars, ingots, sheets, etc.	815	421	164
Cyprus—			
Bars, sheets, etc. ..	31	36	24
Hong Kong (total imports)—			
Bars, sheets, tubes, etc.	(b)497	219	401
Sulphate	(b)10	13	14
Australia—			
Concentrates	4,144	—	—
Blocks and ingots ..	16	—	58
Bars, sheets, wire, etc...	1,279	321	818
New Zealand—			
Bars, sheets, pipes, etc.	765	448	298
Wire (£ New Zealand) ..	(£183,832)	(£83,521)	(£30,828)
Sulphate	166	156	178
FOREIGN COUNTRIES			
Austria—			
Ore	6,523	4,839	—
Rough copper and scrap	11,966	8,776	5,718
Bars, sheets, wire, etc. ..	180	142	84
Sulphate	301	258	7
Belgium-Luxemburg E.U.—			
Ore	52,436	48,045	56,092
Rough copper and scrap	93,796	90,416	37,908
Sheets, wire, etc. ..	4,698	1,922	1,386
Sulphate	13	13	51

(b) April-December only.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Rough and scrap ..	1	115	551
Bars, sheets, and wire ..	738	842	619
Sulphate	1,677	2,737	4,822
Czechoslovakia—			
Crude, refined and scrap	21,271	18,306	14,507
Sheets, rods, wire, etc.	492	448	157
Denmark—			
Rough, scrap and alloys	1,849	1,955	1,914
Bars, sheets, wire, etc...	6,160	5,280	3,287
Estonia—			
Ingots, sheets, wire, etc.	162	126	118
Sulphate.. ..	5	6	7
Finland—			
Rough and scrap ..	192	200	162
Sheets, tubes and wire..	2,220	1,681	1,681
Sulphate.. ..	41	31	50
France—			
Ore, matte, etc... ..	3,973	3,002	2,975
Ingots, alloys, etc. ..	149,365	125,494	96,928
Scrap	19,906	11,675	7,410
Bars, sheets and wire ..	11,694	9,206	7,149
Sulphate	27,925	32,024	42,054
Germany—			
Ore, including burnt cupreous pyrites ..	434,818	419,583	234,121
Rough copper and alloys	167,047	148,586	129,057
Coin and scrap	19,870	24,406	17,250
Bars, sheets, wire, etc...	1,462	542	306
Sulphate, including fer- rous sulphate.. ..	654	2,221	2,273
Greece—			
Rough copper and alloys	3	16	5
Sheets, tubes, alloys, etc.	1,067	1,066	604
Sulphate.. ..	2,974	5,321	7,652
Hungary—			
Rough copper and scrap (including brass) ..	7,509	6,096	5,770
Bars, sheets, wire, etc...	515	476	245
Sulphate	402	46	1
Iceland—			
Bars, tubes, wire, etc. ..	89	(a)	(a)

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore	68	—	1,637
Ingots, scrap and alloys	51,210	52,539	52,317
Bars, sheets, wire, etc., and alloys	2,517	3,167	2,717
Sulphate	12,354	8,823	7,365
Latvia—			
Ingots, bars and scrap ..	93	98	55
Sheets, tubes and wire ..	368	184	325
Lithuania—			
Copper	140	105	51
Netherlands—			
Ore	1	2,298	—
Ingots and bars ..	5,287	2,986	2,747
Scrap	472	330	175
Sheets, tubes and wire ..	8,563	9,043	5,600
Sulphate	885	1,455	1,788
Norway—			
Rough copper and alloys	751	671	559
Copper-nickel matte ..	2,051	3,485	4,329
Sheets, etc.	1,311	1,143	561
Poland—			
Precipitate and scrap ..	1,533	364	306
Pigs, bars and ingots ..	5,211	4,401	4,361
Sheets, tubes and wire ..	726	444	158
Sulphate	10	11	25
Portugal—			
Copper and alloys ..	2,954	4,389	4,010
Sulphate	2,082	1,036	611
Roumania—			
Ore	33	32	—
Rough and scrap ..	1,295	953	1,167
Sheets and wire ..	1,368	1,257	699
Sulphate	2,687	2,968	2,420
Spain (total imports)—			
Precipitate and scrap (b)	3,550	3,427	3,705
Ingots (b)	444	97	169
Sheets, tubes, wire, etc. (b)	1,604	1,252	310
Sulphate	507	725	1,067

(a) Information not available.

(b) Including alloys.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ore	—	—	884
Rough copper	26,623	32,390	19,349
Scrap, including brass ..	721	740	349
Sheets, rods, wire, etc.	1,045	1,249	447
Sulphate	188	155	191
Switzerland—			
Ore, filings and turnings	1,082	2,108	2,136
Bars, ingots, etc. (b) ..	15,054	11,912	11,664
Scrap (b)	665	596	502
Sheets, tubes, wire, etc. (b)	7,187	8,477	6,547
U.S.S.R. (Russia)—			
Ingots, sheets, etc. ..	20,384	24,853	11,781
Yugoslavia—			
Crude, scrap, coin, etc...	1,745	2,421	743
Bars, sheets, wire, etc...	2,121	1,340	1,135
Sulphate	4,318	3,622	1,049
Algeria—			
Scrap	86	92	} 2,210 (a)
Bars, sheets, wire, etc. ..	3,889	2,631	
Precipitate, etc.	2	1	
Sulphate	7,542	7,539	
Belgian Congo—			
Bars, sheets and wire ..	160	186	66
Cameroon (French)—			
Sulphate.. .. .	13	3	12
Egypt—			
Bars, sheets, tubes, wire, scrap, etc.	(b) 3,121	(b) 1,890	1,307
Sulphate	37	43	42
Morocco—			
Sheets and wire (b) ..	1,155	1,151	992
Mozambique—			
Bars, sheets, wire and alloys	58	71	30
Tunis—			
Bars, ingots, scrap, etc. (b)	140	39	12
Sheets and wire (b) ..	483	418	1,118
Sulphate	261	314	187
Cuba (total imports)—			
Ingots and bars.. .. .	56	43	(a)
Sheets, tubes and wire ..	686	279	(a)

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Ingots	216	376	} (a)
Bars, sheets, alloys, etc.	288	98	
Sulphate.. .. .	812	(a)	
Salvador—			
Copper	13	(a)	(a)
United States—			
<i>Cu content of—</i>			
Ore	45,231	10,527	6,257
Concentrates	25,389	44,379	19,730
Matte, precipitate, etc.	2,101	656	773
Unrefined	250,209	125,826	72,182
Refined	(c) 38,487	77,879	(c) 74,908
Scrap	(c) 3,348	2,277	(c) 1,129
Sulphate	2,663	1,180	1,476
Argentina—			
Ingots, sheets and bronze	2,137	1,981	1,577
Sulphate	1,392	2,576	1,811
Brazil (total imports)—			
Rough, scrap, alloys, etc.	2,802	1,575	2,953
Plates, sheets, alloys, etc.	1,313	640	948
Tubes, pipes, wire and alloys	408	261	361
Sulphate.. .. .	475	965	1,705
Chile—			
Ore	13	—	295
Bars, sheets and wire ..	185	156	23
Sulphate	123	76	—
Colombia—			
Ingots, sheets, alloys, etc.	227	(a)	(a)
Wire	998	(a)	(a)
Sulphate	21	(a)	(a)
Ecuador—			
Ingots, etc.	40	35	(a)
Peru—			
Bars, sheets, etc. (d) ..	107	47	33
Sulphate.. .. .	187	21	25

(a) Information not available.

(b) Including alloys.

(c) Total imports.

(d) Including brass and bronze.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Uruguay—			
Sulphate.. .. .	461	79	(a)
Venezuela—			
Unwrought	44	43	26
Sulphate.. .. .	20	15	37
China—			
Ingots and blocks ..	2,071	2,784	1,242
Bars, sheets, wire etc...	2,376	1,112	1,394
Sulphate.. .. .	(a)	(a)	94
Formosa—			
Sheets, plates, wire, etc.	531	1,011	(a)
French Indo-China—			
Ingots, sheets, alloys, etc.	1,026	914	407
Scrap	702	487	502
Sulphate.. .. .	10	7	7
Iraq (years ended Mar. 31 of the year following)—			
Crude, etc.	135	126	298
Sulphate.. .. .	33	16	25
Japan (total imports)—			
Ingots and blocks ..	1,163	152	291
Korea (total imports)—			
Ingots	67	31	49
Wire	90	553	274
Netherlands East Indies—			
Crude and alloys ..	255	78	} (a)
Bars, sheets and alloys ..	651	103	
Tubes, wire and alloys..	3,010	2,112	
Sulphate	339	487	
Philippine Islands—			
Ingots	(a)	63	28
Sheets and wire.. .. .	342	298	254
Siam (total imports)—			
Rough copper	226	48	40
Syria and Lebanon—			
Ore	15	1	—
Sheets and tubes ..	553	548	477
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys ..	914	1,379	1,246
Sulphate	176	437	949

(a) Information not available.

DIAMONDS

PRODUCTION OF DIAMONDS

(Metric carats)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Gold Coast (exports) ..	861,119	880,479	842,297
Sierra Leone	—	—	748
Southern Rhodesia ..	19	9	—
South West Africa ..	415,047	71,532	17,944
Tanganyika Territory ..	12,295	7,658	1,387
Union of South Africa ..	3,163,591	2,119,156	798,382
British Guiana	110,042	63,479	61,780
India	1,321	639	1,254
Australia	667	725	251
Total ..	4,564,000	3,144,000	1,724,000
FOREIGN COUNTRIES			
Angola	329,824	351,495	367,334
Belgian Congo	2,518,100	3,528,379	3,872,171
French Equatorial Africa ..	34	1,260	1,644
Brazil (estimated)—			
Gem diamonds ..	45,000	30,000	15,000
Low grade and bort ..	70,000	50,000	19,000
Carbons	17,500	10,000	3,000
Netherlands East Indies ..	459	294	274
Total ..	2,980,000	3,970,000	4,280,000
WORLD'S TOTAL	7,540,000	7,110,000	6,000,000

EXPORTS OF DIAMONDS

(Domestic Produce)

Exporting Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
Gold Coast	Carat	861,119	880,479	842,297
Sierra Leone	do.	—	—	748
South West Africa (uncut)	do.	414,947	71,532	17,946
Tanganyika Territory	do.	13,337	7,790	1,391
Union of South Africa—				
Uncut	do.	1,526,398	1,725,185	773,965
Cut and polished	do.	49,764	43,553	45,899
British Guiana.. .. .	do.	104,756	65,550	57,069
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds.. .. .	£	603,000	1,356,000	1,719,000
do. cut and polished	£	5,613,000	7,062,000	3,847,000
Czechoslovakia—				
Glaziers' diamonds	Carat	725,000	655,000	610,000
Netherlands (b)—				
Cut and uncut	£	3,600	1,900	900
Angola	Carat	318,634	357,525	257,724
Belgian Congo—				
Precious stones, chiefly diamonds.. .. .	Carat	2,086,768	3,669,316	3,751,719
French Equatorial Africa	Carat	—	1,260	1,479
Brazil—				
Diamonds (c)	£	24,606	24,433	6,414
Carbons(d)	£	60,221	18,025	7,718

(a) Information not available.

(b) These figures are very incomplete owing to lack of statistics of exports by post; the exports to the U.S.A., which are stated to amount to 60% of the total exports, are as follows (carats):—

	1930.	1931.	1932.
Cut	110,237	59,959	40,654
Crude	65,722	112,639	(a)
Industrial	4,719	2,024	(a)

(c) Not including low-grade diamonds and bort.

(d) The actual exports are probably very much in excess of those officially recorded.

IMPORTS OF DIAMONDS
(Less Re-exports)

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom	Carat	2,363,057	2,389,324	1,381,161
Union of South Africa—				
Cut and polished	Carat	735	598	76
Canada—				
Unset	£	413,614	178,123	106,891
Dust, bort, etc.	£	295,806	93,744	32,499
British Guiana	Carat	37	31	6
British India (b)	£	377,936	305,000	428,855
Ceylon	Carat	900	1,322	1,031
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds	£	5,029,000	4,744,000	3,151,000
Czechoslovakia—				
Glaziers' diamonds ..	Carat	565,000	525,000	220,000
Netherlands—				
Uncut	£	7,100	19,300	9,300
Cut and polished	£	11,100	500	44,400
U.S.S.R. (Russia)—				
Industrial diamonds ..	Carat	65,000	—	—
Egypt—				
Cut	Carat	(c) 2,042	1,431	1,597
United States—				
Uncut (b)	Carat	209,591	85,249	40,153
Cut and polished (b) ..	do.	295,351	201,998	183,103
Glaziers' diamonds (b)	do.	145,958	224,970	163,704
Dust and bort (b)	£	18,705	4,400	3,700
Peru—				
Glaziers' diamonds ..	£	28	14	(a)
Netherlands East Indies(d)—				
Uncut	£	5,600	5,000	(a)
Cut and polished	£	73,000	40,000	(a)
Philippine Islands	Carat	13,529	14,205	9,087

(a) Information not available.

(b) Total imports.

(c) March-December only.

(d) Imported by parcel post and passengers.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Great Britain	3,150	—	—
Northern Ireland	3,604	3,401	3,731
Canada	495	1,437	1,496
Barbados	10	10	10
Australia	1,240	1,067	1,334
FOREIGN COUNTRIES			
Denmark(moler) (estimated)	38,000	34,000	7,000
France	6,100	10,600	(a)
Germany (exports) (b) ..	6,519	4,908	3,945
Hungary (exports) ..	2,774	1,392	1,018
Italy	1,136	857	758
Norway (exports)	82	84	113
Portugal	12	—	—
Spain (estimated)	2,700	2,200	2,200
Sweden	570	621	702
Algeria	10,000	10,984	10,285
Mexico	—	3	—
United States (c)	73,891	73,891	73,891
Chile	180	(a)	(a)
Japan	5,548	(a)	(a)
Korea	900	700	(a)

NOTE :—12,027 long tons of Diatomaceous earth were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) Department of Mines, Canada, estimated production at 40,000 long tons during 1929.

(c) Annual average of 3 years' production.

EXPORTS OF DIATOMACEOUS EARTH
(Domestic Produce)
(Long tons)

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
Canada (including other natural abrasives) ..	333	642	1,001
Union of South Africa ..	—	68	—
FOREIGN COUNTRIES			
Denmark—			
Moler	24,512	22,045	23,113
Moler bricks	6,330	5,852	3,569
France	2,794	1,607	1,565
Germany	6,519	4,908	3,945
Hungary	2,774	1,392	1,018
Italy—			
Crude	161	104	78
Calcined, etc.	103	227	53
Norway—			
Calcined	82	84	113
Poland	—	15	7
Spain (estimated)	2,600	2,100	2,100
U.S.S.R. (Russia)	227	1,052	51
Algeria	14,435	10,978	9,855
Chile	26	100	(a)

(a) Information not available.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	8,760	17,060	19,075
Union of South Africa ..	80	54	45
Canada	294	759	90
FOREIGN COUNTRIES			
Denmark—			
Diatomaceous earth ..	718	646	658
Moler bricks	60	48	—
Estonia	21	44	18
Finland	402	323	143
France	5,059	5,122	4,932
Germany	1,619	7,750	7,616
Hungary	579	752	584
Italy—			
Crude	497	380	433
Calcined, etc.	107	62	49
Latvia	320	148	12
Norway	(b) 27	64	499
Poland	2,302	855	597
Portugal	107	86	206
U.S.S.R. (Russia)	922	86	2
Yugoslavia	372	333	178
Egypt	26	34	61
Tunis	(a)	22	58
Cuba (total imports) ..	974	1,270	(a)
Colombia	97	(a)	(a)
Peru	1,186	1,315	2,399

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

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
China stone	62,920	42,650	45,091
Canada	23,925	16,378	6,292
India	—	334	473
Australia (including china-stone)	67	205	1,006
FOREIGN COUNTRIES			
Czechoslovakia (c)	30,000	30,000	30,000
Finland (exports)	611	66	1,505
France	12,600	(a)	(a)
Germany (Bavaria only)	5,069	4,921	(a)
Italy	5,659	4,675	(a)
Norway	28,056	16,151	20,249
Roumania (b)	1,932	100	(a)
Sweden	37,986	32,590	(a)
Egypt	—	26	176
United States (sales)	171,788	147,119	104,715
Argentina	193	169	(a)

NOTE:—19,987 long tons of Felspar were produced in Russia during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cubic metre= 2 long tons.

(c) As estimated by U.S. Bureau of Mines.

EXPORTS OF FELSPAR
(Domestic Produce)
(Long tons)

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (b) ..	(a)	10,868	8,345
Canada	18,913	9,799	1,801
FOREIGN COUNTRIES			
Austria	73	61	92
Belgium-Luxemburg E. U.	1,222	1,656	2,471
Czechoslovakia	7,981	6,395	5,945
Finland	611	66	1,505
Germany	25,359	18,598	16,016
Netherlands	1,629	560	586
Norway—			
Crude	14,770	11,061	7,787
Ground	4,838	3,805	5,023
Poland	1	1	—
Sweden	32,459	24,504	19,850

(a) Information not available.

(b) Including china stone.

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

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (c) ..	(b)	10,251	11,057
Canada	2,836	1,676	1,327
FOREIGN COUNTRIES			
Austria	1,519	1,735	943
Belgium-Luxemburg E. U.	5,362	7,926	4,503
Czechoslovakia	1,813	1,472	1,265
Denmark	1,281	594	772
Finland	270	212	111
Germany	37,336	29,240	20,625
Latvia	—	22	30
Netherlands	3,235	2,059	2,987
Poland	4,571	2,639	1,612
Sweden	345	469	14
United States	20,057	10,790	1,897
Chile	5	15	(a)

(a) Information not available.

(b) Not separately recorded in the trade returns of the United Kingdom prior to 1931. The exports from Norway and Sweden to the United Kingdom were 13,386 long tons during 1930.

(c) Including china stone.

FLUORSPAR**PRODUCTION OF FLUORSPAR**

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	29,788	19,922	15,427
Union of South Africa ..	1,495	2,163	1,197
Canada	71	36	29
Australia	953	533	1,260
FOREIGN COUNTRIES			
France	57,700	(a)	(a)
Germany—			
Bavaria	47,304	26,357	(a)
Prussia	29,794	12,639	7,671
Saxony	11,684	6,827	(a)
Italy	6,550	5,800	5,561
Norway	808	620	562
Spain	(b) 10,803	5,922	(a)
United States	116,000	49,000	15,000
China	8,000	8,000	(a)
Korea	2,261	2,500	(a)

NOTE:—5,463 long tons of fluorspar were produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) In addition 100 cubic metres were produced from quarries.

EXPORTS OF FLUORSPAR*(Domestic Produce)*

(Long tons)

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	6,600	713	1,296
Union of South Africa ..	1,909	2,820	1,297
FOREIGN COUNTRIES			
Austria	—	6	1
Belgium-Luxemburg E.U.	76	249	180
Germany	44,020	26,316	20,051
Norway	90	14	27

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
Canada	11,296	2,871	901
FOREIGN COUNTRIES			
Austria	4,379	3,608	3,043
Belgium-Luxemburg E.U.	1,197	1,417	1,783
Denmark	820	895	496
Germany	133	22	18
Latvia	20	—	20
Norway	2,582	908	439
Yugoslavia	852	162	134
United States	57,949	18,491	11,818

FULLER'S EARTH

PRODUCTION OF FULLER'S EARTH
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	Not available for publication.		
India	4,431	2,958	4,359
Australia	—	45	97
FOREIGN COUNTRIES			
United States (sales) ..	299,682	257,500	225,805
Turkey	7,588	5,924	8,341

EXPORTS OF FULLER'S EARTH.

Statistics of exports of fuller's earth are not available.

IMPORTS OF FULLER'S EARTH

(Less Re-exports)

(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
Union of South Africa ..	99	206	211
Canada	(£14,925)	(£11,626)	(£16,724)
Ceylon	82	102	60
Australia	214	247	247
FOREIGN COUNTRIES			
United States—			
Crude	365	121	86
Prepared	6,115	3,462	3,383
Philippine Islands	1,676	1,646	1,301

GOLD

PRODUCTION OF GOLD ORE

(In terms of metal)

(Fine troy ounces)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	—	—	6
Anglo-Egyptian Sudan	940	940	700
Bechuanaland Protectorate	2,274	1,302	2,247
Gold Coast	240,899	261,651	(e) 280,000
Kenya	1,789	3,169	10,987
Nigeria	260	699	2,701
Northern Rhodesia ..	7,511	9,364	6,349
Southern Rhodesia ..	547,630	532,111	574,135
Sierra Leone	720	5,700	12,099
South West Africa ..	222	570	890
Swaziland	—	—	365
Tanganyika Territory ..	11,072	12,728	25,687
Uganda	—	71	586
Union of South Africa ..	10,716,351	10,877,777	11,558,532
Canada	2,102,068	2,693,892	3,051,676
Newfoundland	8,345	12,221	17,821
British Guiana	6,364	10,183	13,926
Federated Malay States ..	29,597	27,021	27,159
Unfederated Malay States	—	—	265
India	329,200	330,400	329,600
Sarawak (exports)	3,000	9,000	8,000
Australia	466,593	595,123	710,915
New Guinea (years ended June 30)	30,000	30,000	(a)
New Zealand	(d) 129,070	130,049	166,354
Papua (years ended June 30)	2,367	4,305	9,904
Total	14,600,000	15,500,000	16,600,000
FOREIGN COUNTRIES			
Czechoslovakia	9,418	5,743	(a)
France	42,985	60,800	(a)
Germany	6,067	4,128	2,205
Italy	2,942	2,479	3,876
Roumania	85,905	88,123	118,000
Hungary	(a)	(a)	2,688
Sweden	33,790	61,632	(a)
U.S.S.R. (Russia) (h) ..	1,434,000	1,711,000	1,990,000
Yugoslavia	23,000	30,000	(a)
Belgian Congo	210,245	237,887	281,707
Egypt	542	—	16

PRODUCTION OF GOLD ORE (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
French Equatorial Africa	2,829	8,745	14,532
French West Africa ..	9,227	33,147	(a)
Madagascar	7,234	8,584	(a)
Mozambique	176	538	2,665
Mexico	668,977	623,003	584,198
United States (b)	2,138,723	2,224,729	2,291,479
Costa Rica (g)	4,780	2,667	8,088
Guatemala (g)	14,307	13,899	9,531
Honduras	13,498	15,835	(g) 13,474
Nicaragua (g)	13,323	14,385	14,045
Salvador (g)	—	13	927
Panama	(g) 121	(e) 5,500	(g) 3,290
Argentina (estimated) ..	1,000	1,000	1,000
Bolivia	—	26	218
Brazil	143,775	126,440	(a)
Chile	17,333	16,718	38,096
Colombia	158,732	194,274	248,249
Dutch Guiana (crude) ..	4,758	4,597	8,970
Ecuador (estimated) ..	71,500	61,200	(a)
French Guiana	43,949	47,486	(a)
Peru	71,084	79,410	(a)
Venezuela	58,729	42,310	91,534
China	126,000	144,000	(a)
Formosa	64,900	(e) 65,000	65,700
French Indo-China ..	370	225	(a)
Japan	387,983	430,238	396,551
Korea (estimated) ..	180,000	240,000	(a)
Netherlands East Indies ..	110,447	100,092	77,959
Philippine Islands ..	179,220	182,153	229,749
Turkey	(a)	220	(a)
Total ..	6,300,000	6,900,000	7,400,000
WORLD'S TOTAL	20,900,000	22,400,000	24,000,000

(a) Information not available.

(b) Amount recovered.

(d) Gold content of exports, excluding jewellers' sweepings.

(e) Estimated.

(g) Imports into the United States from the country indicated.

(h) Official statistics are not available, the Russian authorities having closely censored all published material concerning gold. The above figures have been calculated on percentages of previous years' production published in the Russian press.

EXPORTS OF GOLD

*(In terms of metal)**(Fine troy ounces)*

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Bullion—			
Unrefined	—	408,000	298,000
Refined	18,960,000	26,506,000	19,469,000
Coin	265,000	1,329,000	2,520,000
Anglo-Egyptian Sudan—			
Bullion	1,100	3,200	99,000
Coin	3,500	(a)	(a)
Gold Coast—			
Bullion	250,000	234,000	318,000
Kenya and Uganda—			
Bullion	1,800	6,000	17,000
Nigeria—			
Bullion	—	370	2,000
Northern Rhodesia—			
Bullion	6,200	8,300	7,100
Sierra Leone—			
Bullion	400	6,000	12,000
Southern Rhodesia—			
Concentrates	190	160	100
Bullion	508,000	505,000	579,000
Antimony ore (<i>Au content</i>)	16,000	5,000	—
South West Africa—			
Bullion	300	500	900
Tanganyika Territory—			
Bullion	11,000	13,000	26,700
Union of South Africa—			
Concentrates, etc. ..	160	160	(a)
Bullion	8,730,000	9,173,000	11,204,000
Lead bars (<i>Au content</i>) ..	800	—	—
Coin	2,441,000	1,629,000	215,000
Zanzibar—			
Bullion	—	300	2,000
Coin	—	2,000	2,000
Canada—			
Bullion	1,078,000	2,293,000	2,348,000
Coin	783,000	1,565,000	367,000

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British Guiana—			
Bullion	4,400	12,000	14,000
British Borneo (Sarawak)—			
Bullion	3,000	9,000	8,000
British India—			
Bullion—by sea	8,000	4,904,000	9,255,000
do. by land	25,000	15,000	3,000
Coin	200	266,000	411,000
British Malaya—			
Bullion	298,000	624,000	748,000
Coin	39,000	12,000	67,000
Hong Kong—			
Bullion	(a)	582,000	708,000
Coin	(a)	86,000	58,000
Australia (years ended June 30)—			
Ores, etc.	1,100	560	900
Bullion	400	270,000	1,021,000
Coin	5,799,000	2,403,000	898,000
New Guinea (years ended June 30)—			
Bullion	23,000	31,000	(a)
New Zealand—			
Concentrates, sweepings, etc.	1,400	1,300	1,400
Bullion	128,000	124,000	156,000
Coin	—	40,000	183,000
Papua (years ended June 30)—			
Bullion	4,000	4,000	6,000
FOREIGN COUNTRIES			
Austria—			
Bullion	61,000	80,000	19,000
Coin	10,000	45,000	51,000
Beaten, rolled or drawn	3,000	2,000	100

(a) Information not available.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.			
Bullion	17,000	90,000	350,000
Beaten, rolled or drawn	5,200	4,000	2,400
Czechoslovakia—			
Bullion	5,000	8,000	8,000
Coin	100	40,000	69,000
France—			
Bullion and scrap ..	1,026,000	5,700,000	3,500,000
Coin	67,000	350,000	1,080,000
Beaten, rolled or drawn	27,000	30,000	2,000
Germany—			
Bullion	6,020,000	11,000,000	2,500,000
Coin	3,900	5,000,000	2,500,000
Beaten or rolled ..	28,000	22,000	22,000
Greece—			
Bullion and coin ..	104,000	22,000	50,000
Hungary—			
Bullion	—	40	—
Coin	800	6,400	600
Italy—			
Bullion	21,000	40,000	34,000
Coin	—	50	2,000
Beaten, rolled or drawn	2,000	150	20
Netherlands—			
Bullion	522,000	2,000,000	4,000,000
Coin	508,000	190,000	3,000,000
Norway—			
Bullion	—	323,000	—
Poland—			
Bullion	340	450	900,000
Coin	218,000	100	15,000
Spain—			
Bullion	—	1,000	700
Coin	849,000	120,000	—
Sweden—			
Bullion	1,000	260,000	2,000
Coin	13,000	210,000	80,000

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland—			
Bullion	191,000	133,000	1,000,000
Coin	18,000	44,000	218,000
U.S.S.R. (Russia)	(b)	(b)	(b)
Belgian Congo—			
Bullion	143,000	170,000	211,000
Egypt—			
Bullion	196,000	370,000	294,000
Coin	—	1,000	2,000
French Equatorial Africa—			
Bullion	2,000	7,000	15,000
French West Africa—			
Bullion	6,000	22,000	47,000
Madagascar—			
Bullion	2,600	6,000	9,000
Costa Rica—			
Bullion	5,000	2,000	3,000
Cuba—			
Bullion	—	8,000	(a)
Honduras—			
Bullion	14,000	(a)	(a)
Mexico—			
Bullion	245,000	445,000	515,000
Coin	(a)	732,000	(a)
Nicaragua—			
Bullion, etc.	14,000	12,000	9,000
Concentrates	6,000	6,000	4,000
United States—			
Ore and base bullion	2,000	13,000	3,000
Refined bullion	3,650,000	18,700,000	34,600,000
Coin	1,958,000	3,900,000	4,600,000
Argentina—			
Bullion	1,175,000	8,000,000	200,000

(a) Information not available.

(b) Exports of gold are not recorded in the trade returns of the U.S.S.R. (Russia).

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Brazil—			
Bullion	1,482,000	290,000	150,000
Coin	4,843,000	340,000	80,000
Bolivia—			
Ore	1,700	26	218
Bullion	—	(a)	(a)
Coin	100,000	(a)	(a)
Chile—			
Ore, excluding mixed ores	10	1,500	15,000
Bullion	8,000	—	(a)
Colombia—			
Bullion	426,000	843,000	152,000
Dutch Guiana—			
Bullion	5,000	4,000	7,000
Ecuador—			
Ore	70,000	60,000	47,000
French Guiana—			
Bullion	44,000	47,000	47,000
Peru—			
Ores, concentrates, etc.	39,000	34,000	30,000
Bullion, etc.	89,000	46,000	77,000
Scrap	100	200	300
Coin	60,000	290,000	60,000
Venezuela—			
Alluvial	10,000	14,000	18,000
Bullion	45,000	61,000	47,000
Coin	200,000	—	—
China—			
Bullion	415,000	500,000	830,000
Coin	13,000	—	—
Formosa—			
Bullion	2,000	—	(a)
French Indo-China—			
Bullion	—	50,000	264,000

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Iraq (years ended Mar. 31 of the year following)—			
Bullion, etc.	75,000	140,000	87,000
Coin	1,000	67,000	50,000
Japan—			
Bullion	5,000	2,500,000	1,136,000
Coin	7,400,000	7,000,000	677,000
Korea—			
Ore	26,000	26,000	23,000
Bullion	638,000	942,000	490,000
Netherlands East Indies—			
Bullion and scrap ..	99,000	226,000	121,000
Coin	6,000	210,000	(a)
Philippine Islands—			
Ore	200	100	20
Bullion	178,000	160,000	244,000
Siam—			
Bullion	—	90,000	10
Syria and Lebanon—			
Coin	71,000	2,500	10,000

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore, etc... ..	53,400	35,700	39,000
Bullion—			
Unrefined	589,000	4,058,000	10,874,000
Refined	10,920,000	12,733,000	13,173,000
Coin	8,147,000	3,924,000	1,643,500
Anglo-Egyptian Sudan—			
Bullion	50	—	—
Coin	5,000	(a)	(a)
Gold Coast—			
Bullion	900	—	10
Kenya and Uganda—			
Bullion	11,000	6,400	600
Coin	60	360	60
Mauritius—			
Coin	—	10	(a)
Nigeria—			
Bullion	500	350	150
Southern Rhodesia—			
Coin	10,000	36,000	200
Tanganyika Territory—			
Bullion	—	50	—
Union of South Africa—			
Bullion	100	200	40
Coin	2,000	6,000	18,000
Zanzibar—			
Bullion	—	200	500
Canada—			
Bullion, etc.	34,000	75,000	11,000
Coin	1,670,000	16,000	33,000
British Guiana—			
Bullion	20	40	40

IMPORTS OF GOLD (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British West Indies—			
Trinidad and Tobago—			
Bullion	—	3	—
Coin	50	130	—
British India—			
Bullion— <i>by sea</i>	1,253,000	250,000	130,000
do. <i>by land</i>	2,000	100	16,000
Coin	1,538,000	290,000	71,000
British Malaya—			
Bullion	101,000	32,000	45,000
Coin	102,000	22,000	600
Ceylon—			
Coin	205,000	149,000	—
Hong Kong (total imports)—			
Bullion	(a)	79,000	217,000
Australia (years ended June 30)—			
Ore, matte, etc... ..	600	10	700
Bullion, etc.	64,000	87,000	111,000
Coin	300	1,000	71
New Zealand—			
Bullion, etc.	400	300	200
Coin	54,000	300	—
FOREIGN COUNTRIES			
Austria—			
Bullion	195,000	230,000	64,000
Coin	3,000	20,000	25,000
Beaten, rolled or drawn	2,000	2,000	1,000
Belgium-Luxemburg E.U.—			
Bullion, etc.	160,000	300,000	230,000
Beaten, rolled or drawn	3,500	2,200	1,600
Bulgaria—			
Bullion, etc.	500	300	(a)

(a) Information not available.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia—			
Bullion	43,000	90,000	936,000
Coin	1,900	1,500	6,000
Denmark—			
Bullion, etc. .. .	4,000	4,000	4,000
Finland—			
Bullion	25,600	9,000	150
Sheet and wire.. .	200	100	200
France—			
Bullion and scrap ..	22,507,000	35,000,000	39,000,000
Coin	834,000	4,000,000	5,700,000
Beaten, rolled or drawn	13,000	13,000	11,000
Germany—			
Ore	200	20	100
Scrap	95,000	300,000	200,000
Bullion	4,932,000	3,800,000	3,100,000
Coin	320,000	100,000	500,000
Beaten or rolled ..	700	900	600
Greece—			
Bullion and coin ..	100	100	5,100
Hungary—			
Bullion	17,000	15,000	4,000
Coin	40,000	28,000	18,000
Italy—			
Bullion	148,000	350,000	209,000
Coin	124,000	550,000	13,000
Beaten, rolled or drawn	16,000	14,000	3,000
Latvia—			
Bullion	1,100	3,000	200
Coin	600	1,400	400
Lithuania—			
Bullion	100	500	400
Coin	30	—	1,000
Netherlands—			
Bullion	621,000	9,000,000	7,000,000
Coin	35,000	3,000,000	5,000,000

IMPORTS OF GOLD (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Norway—			
Bullion	500	400	40
Sheets and rolled ..	6,000	4,000	1,500
Coin	10	30	—
Poland—			
Bullion	35,000	60,000	30,000
Coin	3,700	70,000	600,000
Portugal—			
Bullion	40	106,000	183,000
Roumania—			
Bullion, etc.	300	3,000	3,000
Spain—			
Bullion	10	500	700
Coin	200	50	—
Sweden—			
Bullion	7,000	12,000	14,000
Coin	10	1,600	200
Switzerland—			
Bullion	1,269,000	8,700,000	7,700,000
Coin	19,000	2,200,000	1,700,000
Yugoslavia—			
Bullion	900	5,000	1,200
Coin	2,200	1,600	400
Beaten, rolled or drawn	600	500	150
Egypt—			
Bullion	51,000	14,000	600
Coin	33,000	40,000	26,000
Morocco—			
Bullion	—	200	(a)
Cuba—			
Bullion	300	40	(a)
Mexico—			
Coin	(a)	174,000	(a)

(a) Information not available.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Ore and base bullion ..	850,000	1,600,000	740,000
Refined bullion ..	2,732,000	8,100,000	12,400,000
Coin	15,577,000	20,000,000	4,500,000
Argentina—			
Bullion	2,700	9,000	4,000
Brazil—			
Bullion	100	10	100
Coin	—	400	—
Chile—			
Coin	—	800	(a)
Dutch Guiana—			
Bullion	300	300	(a)
Coin	2,000	—	(a)
Venezuela—			
Bullion	200	300	200
Coin	49,000	—	2,300
China—			
Bullion	38,000	—	900
Coin	19,000	150	1,400
Formosa—			
Bullion and coin ..	35,000	20,000	(a)
French Indo-China—			
Bullion	1,200	600	300
Drawn and rolled ..	1,700	400	1,300
Iraq (years ended Mar. 31 of the year following)—			
Coin	55,000	400	300
Japan—			
Bullion	216,200	210,000	100
Coin	170	6,000	—
Korea—			
Bullion	273,000	518,000	180,000

IMPORTS OF GOLD (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands East Indies—			
Bullion and scrap ..	17,000	40,000	177,000
Coin	48,000	10,000	(a)
Persia (b)—			
Bullion	—	—	40
Coin	130	100	40
Philippine Islands—			
Bullion	900	700	500
Coin	40	3,000	100
Siam—			
Bullion	4,000	—	320,000
Coin	—	100	—
Turkey—			
Bullion	—	125,000	(a)

(a) Information not available.

(b) Years ended March 21 of the year stated for 1930 and 1931 and year ended June 21 for 1932.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Union of South Africa ..	206	43	49
Canada (sales)	1,371	489	309
Ceylon (exports)	8,724	6,721	6,100
India	—	7	5
Australia	—	60	70
Total ..	10,300	7,300	6,500
FOREIGN COUNTRIES			
Austria	17,400	11,869	10,431
Czechoslovakia	14,330	1,801	(a)
France	226	—	(a)
Germany	24,602	23,199	20,479
Italy	5,787	3,986	2,898
Norway	—	868	3,526
Madagascar	10,200	4,613	(d) 2,112
Morocco (French zone) ..	1,800	—	236
Mexico	5,760	3,073	2,013
United States (sales) (b)—			
Amorphous	1,733	(a)	(a)
Brazil (exports)	9	9	—
Japan	226	290	(a)
Korea	19,672	13,000	(d) 16,320
Total(c) ..	102,000	65,000	60,000
WORLD'S TOTAL(c)	112,000	72,000	67,000

(a) Information not available.

(b) Crystalline graphite is also produced in the United States, but figures are not available for publication. The sales in 1929 were 2,592 tons.

(c) Excluding production as per note (b), also U.S.S.R. (Russia) which is not available. During 1929 this was recorded as 4,500 tons.

(d) Exports.

EXPORTS OF GRAPHITE
(Domestic Produce)
(Long tons)

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Crucibles	3,306	2,480	1,940
Canada	2,159	849	810
Ceylon	8,724	6,721	6,100
Hong Kong (including re-exports)	(c)108	239	447
Australia (including foundry-black) (b)	40	22	3
FOREIGN COUNTRIES			
Austria	14,138	8,862	7,931
Belgium-Luxemburg E.U.—			
Crude and ground	133	50	122
Crucibles, etc.	111	301	386
Czechoslovakia	7,099	4,468	2,929
Denmark	158	49	80
France	3,094	2,142	978
Germany	5,248	4,615	4,613
Hungary	12	2	—
Italy	3,397	2,652	2,188
Norway	—	6	429
Poland	27	30	18
Roumania	7	2	—
Sweden	5	5	31
U.S.S.R. (Russia)	2	—	50
Yugoslavia	9	136	—
Madagascar	9,076	6,188	2,112
Morocco	139	43	100
Mexico	5,760	3,076	2,013
United States (including manufactures)	1,390	1,061	705
Brazil	9	9	—
French Indo-China	87	—	1
Japan	3,883	5,287	5,333
Korea	20,631	14,478	16,320

(a) Information not available.

(b) Including re-exports.

(c) April-December only.

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Natural	13,394	10,205	8,905
Artificial.. .. .	352	118	246
Crucibles	99	45	9
Mauritius—			
Crucibles	(£245)	(£359)	(£235)
Southern Rhodesia	5	3	3
Union of South Africa	131	161	107
Canada—			
Unground	(£417)	(£288)	(£468)
Ground, including manu- factures	(£12,675)	(£17,394)	(£17,681)
Crucibles	(£10,769)	(£7,216)	(£7,494)
Newfoundland (years ended June 30)	(£17)	(£5)	—
British India (total im- ports)—			
Graphite	495	502	403
Crucibles	153	203	138
Hong Kong (total imports)	(b) 97	552	481
Australia (including foundry-black)	647	16	540
New Zealand (£ New Zea- land)—			
Graphite.. .. .	(£1,657)	(£1,100)	(£786)
FOREIGN COUNTRIES			
Austria	356	261	203
Belgium-Luxemburg E.U.—			
Crude and ground	1,490	1,287	1,065
Crucibles, etc.	512	382	267
Bulgaria	76	140	66
Czechoslovakia	3,647	1,411	1,157
Denmark—			
Graphite.. .. .	883	673	486
Crucibles	57	48	44
Finland	48	51	45
France	6,556	3,973	2,769
Germany	14,540	10,286	7,087
Hungary	820	965	756

IMPORTS OF GRAPHITE (Cont.)

Importing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy	1,692	1,275	984
Latvia	45	25	32
Norway—			
Crucibles, etc.	45	30	41
Poland	149	142	131
Portugal	15	17	11
Roumania—			
Graphite.. .. .	626	450	524
Crucibles	20	23	20
Sweden	576	398	438
U.S.S.R. (Russia)	663	1,662	1,210
Yugoslavia.. .. .	1,333	1,132	655
Algeria	7	51	(a)
Egypt	95	71	53
Tunis—			
Graphite	7	5	8
Crucibles	11	5	6
Mexico	65	75	(a)
United States	14,934	8,116	6,264
Argentina	363	278	406
Chile	91	15	14
Colombia	5	(a)	(a)
Peru	33	49	9
French Indo-China	20	10	9
Japan (total imports)	1,426	1,287	1,626
Netherlands East Indies	109	46	(a)
Turkey—			
Graphite.. .. .	13	6	16
Crucibles, etc.	12	14	7

(a) Information not available.

(b) April-December only.

GYPSUM

PRODUCTION OF GYPSUM
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	838,208	754,895	995,462
Union of South Africa	16,828	14,613	7,001
Canada	991,114	788,286	392,585
Cyprus (estimated)	12,000	15,300	12,000
Palestine	1,635	483	1,458
India	56,316	53,632	54,741
Australia	51,085	27,732	(c)51,050
Total ..	1,970,000	1,650,000	1,510,000
FOREIGN COUNTRIES			
Austria (d)	36,760	47,000	(a)
Estonia	1,932	7,727	8,168
France	3,007,115	(a)	(a)
Germany	694,000	482,000	392,000
Greece	2,730	6,400	(a)
Italy (including alabaster)	674,703	578,561	521,453
Latvia (exports)	36,077	32,014	37,759
Luxemburg	10,451	9,117	9,254
Poland	40,000	24,000	(a)
Roumania (b)	50,442	52,166	(a)
Spain	(b) 1,557,380	(g) 1,295,576	(a)
Sweden	133	49	(a)
Yugoslavia (Serbia only) ..	1,440	759	(a)
Algeria	93,283	74,416	37,374
Belgian Congo	—	1,000	—
Egypt (estimated)	130,000	130,000	130,000
Tunis	25,000	(a)	(a)
United States	3,099,458	2,284,837	1,210,017
Cuba	26,800	(a)	(a)
Argentina	48,667	38,849	(a)
Chile	16,907	12,965	(a)
Peru	14,000	8,000	(a)
China	61,100	70,400	(a)
New Caledonia	3,082	11,368	11,700
Total ..	(f) 9,500,000	(a)	(a)
WORLD'S TOTAL	(f) 11,500,000	(a)	(a)

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

(c) Excluding production of Victoria, which is not available, but amounted to 1,565 long tons during 1931.

(d) Estimated by Bundesministerium für Handel und Verkehr.

(f) Excluding the production of U.S.S.R. (Russia), which was recorded as 404,068 long tons during the year ended September, 1928, the latest year for which information is available.

(g) Including 407,047 cu. metres of gypsum also 60 cu. metres of alabaster converted as per (b).

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Calcined	6,269	7,012	8,375
Union of South Africa—			
Crude and calcined ..	1,253	1,594	—
Canada—			
Crude	642,304	552,469	332,423
Calcined	6,501	2,755	713
Cyprus—			
Crude	949	2,195	2,706
Calcined	9,338	9,777	8,116
Hong Kong (including re- exports)	(b)1,522	1,665	1,583
Australia (including re-exports)			
Crude	3,563	3,772	4,932
Calcined	949	1,238	3,002
FOREIGN COUNTRIES			
Austria—			
Crude and ground	21,057	17,261	10,399
Calcined	12,234	12,779	9,270
Belgium-Luxemburg E.U.—			
Crude	1,979	2,586	3,955
Ground and calcined ..	7,379	11,203	7,658
Alabaster, crude	116	15	—
Czechoslovakia—			
Crude, ground and calcined	144	83	7
Denmark—			
Crude and calcined	4	4	3
Estonia	1,028	2,949	896
France	351,852	266,030	189,172
Germany—			
Gypsum and phosphatic gypsum	139,636	119,465	88,594
Hungary—			
Calcined	15	13	7
Italy—			
Crude	2,222	26,920	15,072
Calcined	947	990	912
Alabaster, crude	1,279	696	511

(b) April-December only.

EXPORTS OF GYPSUM (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Crude	34,715	30,935	36,230
Ground and calcined ..	1,362	1,079	1,529
Netherlands	70	64	72
Poland—			
Crude	3,052	1,936	5,877
Ground and calcined ..	922	1,218	917
Portugal—			
Crude	29	20	21
Roumania	17,812	11,520	8,463
Sweden—			
Crude	—	—	15
Calcined	24	25	14
Switzerland—			
Ground and calcined ..	179	135	86
Yugoslavia—			
Crude	} 2,033	9,314	1,708
Ground and calcined ..		494	478
Algeria	27,978	14,461	8,059
Egypt	98	14	—
Morocco—			
Crude	177	558	374
Calcined	25	37	2
Tunis (including re-exports)—			
Calcined	10	10	1,171
Mexico—			
Crude	99,281	46,325	(a)
United States—			
Crude and ground	3,217	4,020	3,196
Calcined and manufactures	17,864	6,048	1,196
Argentina	296	333	1,742
China	2,129	2,934	1,612

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Crude, including alabaster ..	87,952	87,115	50,600
Calcined	13,780	9,426	3,707
Irish Free State—			
Calcined	7,286	7,857	8,360
Southern Rhodesia—			
Crude and calcined ..	1,120	1,752	721
South West Africa	4	6	7
Union of South Africa—			
Crude and calcined ..	1,477	2,353	2,044
Canada—			
Crude	802	432	49
Ground	196	141	153
Calcined	14,829	9,866	1,236
Newfoundland (years ended June 30)—			
Crude and calcined ..	(£527)	(£406)	(£560)
Hong Kong (total imports) ..	(b) 2,373	6,914	1,317
Palestine (total imports)—			
Crude and calcined ..	810	1,828	1,297
Australia—			
Crude and calcined ..	1,349	541	566
New Zealand—			
Crude	4,550	3,796	3,690
Calcined	11,662	5,553	4,824
FOREIGN COUNTRIES			
Austria—			
Crude and ground	815	983	996
Calcined	949	1,173	1,266
Belgium-Luxemburg E.U.—			
Crude	174,347	120,204	89,950
Ground and calcined ..	44,970	40,289	35,237
Alabaster, crude	49	145	7
Bulgaria—			
Crude	2,202	504	104
Calcined	335	205	114
Czechoslovakia—			
Crude and ground	14,319	15,378	7,678
Calcined	49,401	46,218	34,511

(b) April-December only.

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Crude	25,114	8,227	12,463
Calcined	4,540	5,062	3,503
Estonia.. .. .	331	24	11
Finland—			
Crude	8,205	5,086	5,587
Calcined	7,391	9,469	5,216
France—			
Alabaster	112	107	36
Calcined	9,457	6,044	4,836
Germany—			
Gypsum and phosphatic gypsum	11,037	6,565	9,676
Greece	240	333	159
Hungary—			
Crude	11,827	6,065	6,452
Ground	261	144	105
Calcined	14,354	14,864	11,851
Iceland.. .. .	33	(a)	(a)
Italy—			
Crude	1,265	865	740
Calcined	1,046	713	493
Alabaster, crude	2	—	28
Latvia—			
Crude and ground	95	55	15
Lithuania—			
Ground and calcined	413	402	251
Netherlands	27,164	29,046	22,052
Norway—			
Crude	8,534	5,450	6,903
Calcined	2,493	1,850	2,647
Poland—			
Crude	31	35	49
Ground and calcined	3,496	2,361	1,867
Portugal—			
Crude	6,601	5,022	4,861
Calcined	921	508	372
Sweden—			
Crude	17,469	12,019	13,026
Calcined	6,334	6,147	5,472
Switzerland—			
Ground and calcined	3,969	4,283	2,640

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude	166	17	—
Ground and calcined ..	1,089	574	200
Algeria	6,713	1,961	(a)
Angola—			
Calcined	24	10	10
Egypt	8,873	9,105	7,640
Morocco	11,488	9,811	9,367
Mozambique—			
Crude	751	1,459	902
Calcined	145	472	206
Tunis—			
Alabaster	7	7	4
Calcined	1,140	1,137	995
Cuba (total imports) ..	2,379	872	(a)
Panama	146	33	(a)
United States—			
Crude	805,677	637,393	333,993
Ground	3,828	4,291	1,854
Calcined	2,023	2,170	1,048
Argentina	1,737	1,201	534
Chile	85	30	17
Colombia—			
Ground	258	(a)	(a)
Ecuador	22	3	(a)
Peru—			
Crude	11	7	4
Calcined	7	11	3
Uruguay—			
Ground	1,049	895	847
Venezuela—			
Crude	161	94	92
China	(a)	(a)	8,079
Formosa	2,924	542	(a)
French Indo-China—			
Crude	879	1,819	4,190
Calcined	282	1,043	2,389
Alabaster	1	3	3
Japan (total imports) ..	18,032	9,793	7,949
Netherlands East Indies ..	4,230	2,872	(a)
Philippine Islands	3,927	3,009	3,131
Syria and Lebanon	1,160	1,098	2,305

(a) Information not available.

IRON AND STEEL

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

Producing Country.	Ore.			Estimated Iron Content.		
	1930	1931	1932	1930	1931	1932
BRITISH EMPIRE						
Great Britain(f) ..	11,627,233	7,625,860	7,328,190	3,604,400	2,364,000	2,198,500
Northern Rhodesia	9	759	711	3	266	464
Southern Rhodesia	2,484	526	—	600	150	—
South West Africa	39,338	21,863	—	(a)	(a)	—
Union of South Africa	50,846	15,203	31,196	25,866	5,911	11,140
Newfoundland ..	1,450,123	537,210	317,858	754,000	279,000	165,000
India	1,849,625	1,624,883	1,760,501	1,180,000	1,040,000	1,130,000
Unfederated Malay States	777,785	691,986	688,179	497,000	441,000	440,000
Australia	936,609	297,651	546,160	618,000	196,000	360,000
New Zealand ..	16,150	6,920	—	8,800	3,700	—
Total ..	16,800,000	10,800,000	10,700,000			
FOREIGN COUNTRIES						
Austria	1,161,808	503,859	301,951	388,780	178,475	105,419
Belgium	128,921	123,833	(a)	58,000	56,000	(a)
Czechoslovakia ..	1,626,814	1,215,572	(a)	522,705	388,153	(a)
France	47,803,869	38,171,666	27,322,882	17,000,000	13,000,000	9,000,000
Germany (b) ..	5,648,219	2,579,900	1,318,600	1,816,193	828,243	435,736
Greece	252,115	232,289	(a)	119,467	102,100	(a)
Hungary	154,854	82,706	52,029	(a)	(a)	(a)

* For detailed figures see page 172.

(a) Information not available.

(b) Including manganiferous ore as follows :—

	Under 12% Mn	12-30% Mn
1930 ..	3,016,423 long tons.	79,014 long tons
1931 ..	2,533,395 " "	46,505 " "

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

1930	9,524 long tons.
1931	10,281 " "
1932	9,533 " "

PRODUCTION OF IRON ORE (Cont.)

Producing Country.	Ore.			Estimated Iron Content.		
	1930	1931	1932	1930	1931	1932
FOREIGN COUNTRIES						
—(Cont.).						
Italy	717,849	565,676	420,321	352,974	275,200	191,300
Luxemburg	6,544,354	4,689,671	3,161,879	1,967,233	1,434,296	983,050
Norway	760,224	565,807	368,002	498,467	372,232	241,044
Poland	469,610	280,000	75,655	131,000	73,000	20,000
Roumania.. ..	91,056	60,929	88,592	40,000	27,000	39,000
Spain	5,437,519	3,139,818	1,672,810	2,570,000	1,480,000	790,000
Sweden	11,058,964	6,959,193	3,148,465	6,740,000	4,259,000	1,920,000
Switzerland						
(exports)	100,316	33,698	11,675	(a)	(a)	(a)
U.S.S.R. (Russia)	10,260,000	10,444,600	(a)	(a)	(a)	(a)
Yugoslavia	424,378	131,009	26,215	233,000	72,000	14,000
Algeria	2,196,619	1,000,896	459,560	1,098,300	500,500	229,800
Belgian Congo ..	55,000	19,000	—	(a)	(a)	—
Egypt	—	—	25	—	—	(a)
Morocco (Spanish)(e)	749,827	492,743	168,478	407,000	271,000	93,000
Tunis	815,000	435,000	206,000	430,000	225,000	106,000
Cuba	244,773	223,218	185,248	107,500	52,300	(a)
Mexico	105,289	(a)	(a)	(a)	(a)	(a)
United States (d)..	59,194,054	31,412,916	9,872,350	29,600,000	15,700,000	4,900,000
Brazil (estimated)	30,000	30,000	30,000	20,000	20,000	20,000
Chile	1,693,349	701,000	168,420	1,117,611	463,000	111,000
China	2,225,500	2,206,800	(a)	(a)	(a)	(a)
Japan	242,106	(a)	(a)	(a)	(a)	(a)
Korea	572,769	157,000	(a)	321,000	86,000	(a)
Turkey	—	492	(a)	—	(a)	(a)
Total	161,000,000	107,000,000	64,000,000			
World's Total ..	178,000,000	118,000,000	75,000,000			

(a) Information not available.

(d) Including shipments of manganiferous iron ore as follows :—

		5-10 per cent. Mn	10-35 per cent. Mn
1930 ..	707,973 long tons.		77,417 long tons.
1931 ..	217,352 " "		64,062 " "
1932 ..	9,799 " "		15,635 " "

(e) Exports.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES.

Producing Country	1930	1931	1932
Great Britain—			
West Coast hematite ..	1,134,088	709,143	551,697
Jurassic ironstones—			
Lower lias	2,460,713	1,423,172	1,630,134
Middle lias	3,825,712	2,553,020	2,148,700
Inferior oolite ..	3,716,669	2,850,822	2,787,011
Coal measure ironstones	350,603	72,657	149,194
Other iron ore (hematite, limonite, etc.) ..	139,448	17,046	61,454
Belgium—			
Oolitic limonite and hematite	121,087	117,101	(a)
Limonite.. .. .	7,834	6,732	(a)
France (b)—			
By phosphorus content—			
To 0.075 %	227,726	104,564	13,281
Over 0.075 % to 1.7 %	2,245,191	1,957,810	1,356,774
Over 1.7 %	45,330,952	35,806,173	25,758,286
Germany—			
Limonite (under 12 % Mn)	3,016,424	1,313,361	653,447
Limonite (12-30 % Mn)	79,014	46,505	20,292
Hematite	480,570	183,555	91,144
Siderite	1,812,023	940,863	483,266
Argillaceous and car- bonaceous ironstone ..	2,423	460	17
Flux ironstone	102,081	60,280	57,879
Bog iron ore	399	—	—
Other ores	155,285	34,876	12,555
By phosphorus content—			
To 0.05 %	1,878,396	978,364	505,691
Over 0.05 to 0.1 % ..	363,451	158,114	109,017
Over 0.1 to 0.5 % ..	1,302,387	603,716	232,446
Over 0.5 to 0.75 % ..	233,137	244,966	174,255
Over 0.75 to 1.0 % ..	1,047,397	347,984	150,628
Over 1.0 %	823,451	246,756	146,563
Greece—			
Iron ore	252,115	232,240	(a)
Manganiferous iron ore..	—	49	(a)
Italy—			
Iron ore	706,782	551,995	405,814
Manganiferous iron ore..	11,067	13,680	14,507

DETAILS OF PRODUCTION OF IRON ORE (Cont.)

Producing Country	1930	1931	1932
Luxemburg—			
Siliceous iron ore ..	3,760,035	2,902,237	2,060,293
Calcareous iron ore ..	2,585,137	1,691,696	1,062,007
Ferruginous limestones ..	199,182	95,738	39,579
<i>By phosphorus content—</i>			
<i>From 0.5 to under 0.6 %</i>	1,701,873	1,178,756	739,255
<i>From 0.6 to 0.75 % ..</i>	4,842,481	3,510,915	2,422,624
Poland—			
Limonite	42,561	(a)	(a)
Argillaceous iron ore ..	427,049	(a)	(a)
Roumania—			
Limonite, siderite and magnetite	91,056	60,929	(a)
Sweden—			
<i>By phosphorus content—</i>			
<i>Under 0.01% ..</i>	774,091	539,509	(a)
<i>0.01% to under 0.05 %</i>	1,094,433	735,226	(a)
<i>0.05% to under 0.1 %</i>	376,641	90,603	(a)
<i>0.1% to under 0.6 %</i>	1,179,453	770,770	(a)
<i>0.6% to under 1.0 %</i>	3,251,637	2,099,774	(a)
<i>1% and over</i>	4,382,709	2,723,311	(a)
Algeria—			
Non-phosphoric	2,082,955	884,627	459,560
Moderately phosphoric ..	113,666	—	—
Egypt—			
Magnetite	—	—	25
United States—			
Ore containing less than 5% Mn—			
Hematite*	55,265,954	29,665,475	9,621,808
Magnetite*	2,421,211	1,105,249	162,892
Limonite	720,496	359,960	61,739
Siderite	1,003	818	477
Ore containing 5 to under 10 % Mn	707,973	217,352	9,799
Ore containing 10 to under 35 % Mn ..	77,417	64,062	15,635

* Some hematite is included with magnetite.

(a) Information not available.

(b) Sales.

EXPORTS OF IRON ORE
(Domestic Produce)
(Long tons)

Exporting Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	4,304	1,499	1,802
Irish Free State (d) ..	26,304	18,527	17,818
Canada	498	1,388	643
Newfoundland	1,177,961	(e) 974,223	(e) 470,404
British India (c)	903	114	974
British Malaya (c)	778,074	692,178	691,636
Australia (c)	414,713	58,494	19,553
FOREIGN COUNTRIES			
Austria	225,038	45,763	9,273
Belgium-Luxemburg E.U.	501,032	323,891	354,037
Czechoslovakia	250,098	150,587	80,968
France	14,841,458	12,211,245	9,901,969
Germany	74,582	30,832	19,880
Greece	201,191	130,228	43,010
Hungary (including burnt pyrites)	27,606	9,335	5,689
Italy	2,445	189	111
Netherlands	2,064	138	—
Norway	621,850	342,408	337,614
Poland	80,139	44,120	1,126
Roumania	23,680	15,669	4,830
Spain (c)	3,665,441	1,843,298	1,289,041
Sweden	9,238,271	4,425,263	2,184,258
Switzerland (b)	100,316	33,698	11,675
U.S.S.R. (Russia)	459,249	1,101,433	320,964
Yugoslavia	350,358	26,480	649
Algeria	1,604,466	905,916	482,179
Belgian Congo	802	—	—
Morocco	2,954	2	—
Tunis (c)	738,392	435,921	211,962
Cuba	24,606	114,292	68,767
Mexico	140	1,366	(a)
United States	752,267	435,665	83,449
Brazil	11	346	1,494
Chile	1,693,349	700,755	195,857
China	835,900	584,943	551,167
Korea	283,182	173,796	149,209

(a) Information not available.

(b) Including chrome ore, pyrites, burnt pyrites, etc.

(c) Including re-exports.

(d) Burnt pyrites.

(e) Years ended 30th June.

IMPORTS OF IRON ORE
(*Less Re-exports*)
(Long tons)

Importing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	4,137,899	2,118,716	1,794,846
Canada	1,326,276	721,804	60,328
British India (b)	35	52	—
British Malaya (b)	62	—	7
FOREIGN COUNTRIES			
Austria	2,256	624	640
Belgium-Luxemburg E.U.	12,657,341	10,499,951	9,331,447
Czechoslovakia	1,451,554	1,290,176	179,761
Denmark	162	107	21
Finland	351	41	637
France	995,565	769,331	329,638
Germany	13,670,496	6,959,168	3,397,095
Hungary (including burnt pyrites)	429,756	177,848	81,850
Italy	232,107	156,913	91,110
Netherlands	525,610	460,890	391,021
Norway	8,361	2,324	1,888
Poland	240,945	257,983	59,683
Roumania	20,770	322	74
Spain (b)	49	2,522	3,250
Sweden	28	29	—
Switzerland (c)	53,196	41,604	37,758
Yugoslavia	49	975	29
Algeria	2,110	7,792	(a)
Tunis	4,345	8,539	2,399
United States	2,775,124	1,465,613	582,498
Chile	60	1	(a)
China	(a)	(a)	2,546
Japan (b)	1,942,488	1,525,400	1,458,994
Korea	27,140	3,266	29
Turkey	169	—	—

(a) Information not available.

(b) Total imports.

(c) Including chrome ore, pyrites, burnt pyrites, etc.

TOTAL IMPORTS OF IRON ORE INTO THE UNITED KINGDOM BY PORTS
(Long tons)

Port	1930	1931	1932
ENGLAND AND WALES			
North-East—			
Grimsby, including Im- mingham	286,970	107,000	73,832
Hartlepool	120	302	228
Middlesbrough	1,276,970	721,528	536,899
Newcastle, including			
Shields	466,206	207,974	155,477
Stockton	746	500	—
Sunderland	84,895	17,130	6,540
North-West—			
Barrow-in-Furness	120,019	84,695	53,781
Liverpool	106,781	59,421	65,267
Manchester	103,110	50,698	15,089
South-West—			
Cardiff	469,595	254,625	114,087
Newport	3,079	1,069	462
Port Talbot	340,450	275,460	377,479
Swansea	—	4,850	1
SCOTLAND			
Ardrossan	70,872	—	22,853
Glasgow	400,819	87,902	83,049
Grangemouth	224,656	60,375	117,738

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	6,192,400	3,772,600	3,574,000
Union of South Africa ..	30,688	10,223	14,272
Canada	812,401	466,802	160,291
India	1,179,868	1,072,418	913,583
Australia	(c) 440,000	(d) 129,000	(d) 228,000
New Zealand	8,075	3,460	—
Total ..	8,700,000	5,500,000	4,900,000
FOREIGN COUNTRIES			
Austria	292,136	142,726	92,974
Belgium	3,312,091	3,147,285	2,739,500
Czechoslovakia	1,414,392	1,146,331	440,000
Finland	10,215	12,134	13,455
France—			
Saar	1,882,240	1,491,495	1,328,180
Other districts	9,912,907	8,069,357	5,449,954
Germany	9,545,248	5,965,342	4,043,825
Hungary	253,164	157,109	65,234
Italy	578,314	544,825	487,091
Luxemburg	2,433,852	2,020,672	1,929,232
Netherlands	268,411	252,662	232,692
Norway	142,549	116,960	96,156
Poland	470,399	341,632	195,536
Roumania	67,756	25,485	(a)
Spain	612,069	471,646	291,882
Sweden	488,570	410,912	277,707
U.S.S.R. (Russia)	4,921,500	4,778,800	6,150,000
Yugoslavia	34,458	37,166	9,815
Mexico	56,913	(a)	(a)
United States	31,752,169	18,426,354	8,781,453
Brazil	34,422	(a)	(a)
Japan (b)	1,316,887	1,385,959	1,517,700
Korea	148,987	143,000	(a)
Manchuria	343,892	(a)	(a)
Philippine Islands	170	160	(a)
Total ..	70,300,000	49,600,000	34,700,000
WORLD'S TOTAL	79,000,000	55,100,000	39,600,000

* For details see page 178.

(a) Information not available.

(b) Including pig-iron produced at government and other steel works for conversion into steel.

(c) Figure of *American Iron and Steel Institute*.

(d) Production of Broken Hill Proprietary Co. Ltd. only.

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

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom— ..			
Hematite	1,841,000	879,200	793,900
Basic	2,407,600	1,435,500	1,550,100
Foundry	1,433,700	1,153,600	1,016,500
Forge	282,500	174,600	133,500
Other kinds of pig-iron	94,400	61,400	32,600
Spiegeleisen	30,500	9,300	19,100
Ferro-manganese	99,300	57,400	25,600
Ferro-silicon	2,200	1,600	2,700
Ferro-silicon-manganese	1,200	—	—
Union of South Africa—			
Ingots	29,256	8,799	12,900
Castings	1,432	1,424	1,372
Canada—			
Basic	494,231	311,850	105,058
Foundry	193,074	80,892	25,246
Malleable	59,873	27,296	13,826
Ferro-alloys	65,223	46,764	16,161
India—			
Basic	301,625	519,530	629,556
Foundry and forge	873,238	538,522	283,661
Direct castings	429	—	—
Ferro-manganese	4,576	14,366	366
FOREIGN COUNTRIES			
Austria—			
Basic	280,877	142,431	85,432
Foundry	11,259	295	7,542
Belgium—			
Basic	3,015,539	2,997,086	} 2,149,000
Foundry, hematite	56,474	20,324	
phosphoric	124,837	110,201	
Forge	91,817	—	
Ferro-alloys	23,424	19,674	

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

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Open hearth	931,547	767,007	} (a)
Bessemer	283,110	233,485	
Foundry	185,960	121,193	
Spiegeleisen	3,929	6,328	
Ferro-manganese	9,846	18,318	
Finland—			
Open hearth	3,164	2,807	1,904
Foundry	225	2,121	4,743
Ferro-silicon	6,826	7,057	} 6,808
Ferro-tungsten	—	149	
France—			
Saar—			
Basic	1,662,847	1,330,075	} 1,328,180
Foundry and castings	219,393	161,420	
Other districts—			
Phosphoric (over 1%P)			
Basic	7,610,066	6,255,282	4,296,206
Foundry	1,216,233	924,912	605,741
Other kinds	3,215	5,079	1,260
Semi-phosphoric (over 0·12% to 1% P)—			
Foundry	104,131	108,797	56,395
Open hearth-basic	37,979	20,958	27,283
Hematite (0·12% or less P)—			
Foundry	355,914	288,071	177,789
Open hearth	350,484	275,804	143,666
Bessemer	16,482	18,574	8,418
Spiegeleisen	95,264	84,635	58,398
Ferro-manganese	74,130	53,194	47,854
Ferro-silicon	36,483	25,690	20,415
Other ferro-alloys	12,615	8,361	6,529
Germany—			
Hematite	724,249	426,494	239,671
Basic	6,092,278	4,010,835	2,522,148
Bessemer	1,467	1,855	—
Foundry	882,447	369,733	363,887
Forge, etc.	5,081	19,793	4,893
Special pig-irons and ferro-alloys	1,839,726	1,142,500	913,226

(a) Information not available.

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

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy—			
Coke iron	438,235	390,808	380,366
Electric	25,141	43,754	44,163
Other kinds	65,555	67,783	29,009
Spiegeleisen	13,871	9,639	11,137
Ferro-manganese	14,647	9,664	10,305
Ferro-silicon	15,427	16,290	9,717
Other ferro-alloys	5,438	6,887	2,394
Luxemburg—			
Basic	2,383,134	1,995,627	1,923,914
Foundry	50,339	25,045	5,318
Forge	379	—	—
Norway—			
Electric	21,801	12,659	13,501
Ferro-silicon	35,901	31,292	18,409
Other ferro-alloys	84,847	73,009	64,246
Poland—			
Foundry	90,713	35,533	27,560
Basic	1,037	—	—
Acid	352,750	282,419	160,234
Castings	418	234	—
Ferro-alloys	25,481	23,446	7,742
Spain—			
Pig-iron	605,861	465,200	287,924
Ferro-manganese	6,102	4,907	3,121
Ferro-silicon	106	1,539	837
Sweden—			
Open hearth, acid	150,689	124,609	85,303
basic	54,936	54,038	41,318
Bessemer, acid	20,987	14,250	12,619
basic	118,492	107,746	67,456
Foundry	65,380	60,603	41,512
Forge	32,924	16,132	8,188
Castings	9,110	5,710	4,198
Ferro-manganese and spiegeleisen	3,882	1,797	1,512
Ferro-silicon	17,325	16,035	6,150
Ferro-silico-manganese	5,072	2,291	1,247
Ferro-silico-aluminium	212	—	—
Ferro-silico-alumino- manganese	—	—	98
Ferro-chrome	9,561	7,622	7,850
Ferro-tungsten	—	79	216
Ferro-molybdenum	—	—	40

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

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Basic	18,393,384	10,174,447	5,074,427
Bessemer and low phos- phorus	7,314,749	4,635,648	2,220,468
Foundry.. .. .	3,622,779	2,133,939	811,484
Forge	50,696	36,482	1,558
Malleable	1,571,512	945,664	419,723
Other pig-iron	67,787	31,599	22,004
Ferro-manganese and spiegeleisen	362,386	234,808	} 231,789
Ferro-silicon	337,640	211,284	
Other ferro-alloys	31,236	22,483	
Japan—			
Pig-iron	1,634,860	(a)	(a)
Ferro-alloys	25,919	(a)	(a)

(a) Information not available.

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	7,325,700	5,202,600	5,261,400
Union of South Africa (b)	38,956	42,663	43,572
Canada	1,009,578	672,109	339,346
India	618,922	625,148	569,810
Australia	(c) 420,000	(d) 143,000	(d) 255,000
Total ..	9,400,000	6,700,000	6,500,000
FOREIGN COUNTRIES			
Austria	460,314	317,266	201,284
Belgium	3,301,196	3,056,049	2,764,626
Czechoslovakia	1,788,509	1,490,159	
France—			
Saar	1,904,237	1,514,050	1,440,316
Other districts	9,297,366	7,698,095	5,550,957
Germany	11,191,422	8,087,911	5,647,873
Hungary	363,554	311,297	177,000
Italy	1,715,817	1,387,090	1,374,129
Luxemburg	2,234,042	2,002,814	1,924,688
Norway	3,122	1,802	(a)
Poland	1,217,952	1,020,589	542,056
Roumania	159,245	111,469	(a)
Spain	909,932	635,174	479,370
Sweden	601,177	530,719	520,016
U.S.S.R. (Russia)	5,706,600	5,330,000	5,800,000
Mexico	111,929	(a)	(a)
United States	40,699,483	25,945,501	13,681,162
Brazil	20,366	(a)	(a)
Japan	2,289,483	1,834,660	2,323,200
China (estimated)	30,000	30,000	30,000
Total ..	84,000,000	61,400,000	43,300,000
WORLD'S TOTAL ..	93,400,000	68,100,000	49,800,000

* For details see page 183.

(a) Information not available.

(b) Including rails, fishplates, etc.

(c) Figure of *American Iron and Steel Institute*.

(d) Production of Broken Hill Proprietary Co., Ltd. only.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS IN
CERTAIN COUNTRIES

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ingots—			
Open hearth, acid ..	1,761,000	1,155,100	1,096,700
basic ..	5,091,100	3,777,400	3,905,200
Converter, acid ..	255,300	113,000	112,300
Electric ..	40,400	27,800	32,200
Castings, electric ..	35,600	25,500	23,000
other ..	142,300	103,800	92,000
Canada—			
Ingots, open hearth ..	925,427	612,437	308,700
electric ..	31,461	25,017	19,670
Castings—			
Open hearth, basic ..	24,772	14,741	} 2,616
acid ..	—	19	
Bessemer ..	2,314	590	846
Electric ..	25,604	19,305	7,514
India—			
Ingots—			
Open hearth, basic ..	234,279	216,246	185,290
Duplex steel (b) ..	381,571	405,307	380,471
Castings ..	3,072	3,595	4,049
FOREIGN COUNTRIES			
Austria—			
Open hearth ..	389,656	251,720	162,331
Electric ..	70,658	65,546	38,953
Belgium—			
Ingots, open hearth ..	362,198	300,606	} 2,714,717
Bessemer, basic	2,839,967	2,693,123	
electric ..	15,629	12,490	
Castings, open hearth ..	15,550	8,759	} 49,909
converter ..	66,208	41,071	
electric ..	1,644	—	
Czechoslovakia—			
Ingots—			
Open hearth, acid ..	24,662	16,979	} (a)
basic ..	1,476,036	1,235,102	
Bessemer, acid ..	322	132	
basic ..	211,314	174,673	
Electric ..	41,487	38,716	
Crucible ..	21	14	

(a) Information not available.

(b) Produced by preliminary refining in the Bessemer acid converter and completed in the basic open hearth furnace.

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

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—Cont.			
Castings—			
Open hearth, acid ..	7,392	4,907	} (a)
basic ..	18,635	12,051	
Bessemer, acid ..	483	203	
Electric	8,155	7,377	
Crucible	2	5	
France—			
Saar—			
Open hearth, basic (b)	448,575	401,097	370,000
Bessemer	1,432,492	1,098,646	1,061,000
Castings, acid ..	8,273	3,717	} 9,000
basic	14,897	10,590	
Other districts—			
Ingots—			
Open hearth, acid ..	28,232	25,555	9,558
basic	2,391,763	1,910,544	1,515,579
Bessemer, basic ..	6,463,446	5,398,104	3,724,696
Crucible	8,966	4,450	1,700
Electric	137,272	137,415	137,974
Castings—			
Open hearth	135,787	115,864	88,214
Bessemer	117,085	86,640	55,558
Crucible	826	394	257
Electric	13,989	19,129	17,421
Germany—			
Ingots—			
Open hearth, acid ..	107,160	76,786	44,543
basic	5,809,903	4,627,737	3,568,258
Bessemer, basic ..	5,051,100	3,169,078	1,788,365
Crucible	5,235	5,269	} 76,692
Electric	93,835	81,304	
Castings	124,189	86,956	170,015
Hungary—			
Open hearth	338,097	289,678	161,510
Electric	25,457	21,619	15,490
Italy—			
Ingots, open hearth ..	1,497,159	1,196,295	} 1,332,086
electric	169,074	146,738	
Castings, open hearth ..	11,408	6,463	} 42,043
Bessemer	462	381	
electric	37,714	37,213	

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

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Luxemburg—			
Ingots, open hearth ..	5,544	4,738	2,119
Bessemer, basic	2,224,578	1,995,288	1,919,377
Electric ..	3,920	2,788	3,192
Poland—			
Open hearth	1,181,599	989,256	} (a)
Electric	13,982	14,659	
Castings	22,371	16,674	
Spain—			
Open hearth	686,703	516,404	} 534,262
Bessemer	201,664	109,363	
Electric	21,565	9,406		7,794
Sweden—			
Open hearth	399,509	336,382	344,197
Bessemer	86,109	79,671	56,265
Crucible	1,001	265	221
Electric	114,558	114,401	119,333
United States—			
Ingots—			
Open hearth, acid ..	367,181	194,388	} (a)
basic (c)	33,898,518	21,986,933	
Bessemer	5,020,588	3,011,394	
Crucible	1,563	831	
Electric	307,418	235,376		141,328
Castings—			
Open hearth, acid ..	413,675	184,780	} (a)
basic (c)	369,798	143,465	
Bessemer	14,871	12,052	
Crucible	690	716	
Electric	305,181	175,566		99,783
Japan—			
Ingots—			
Open hearth	2,190,303	(a)	(a)
Bessemer	34	(a)	(a)
Crucible	1,684	(a)	(a)
Electric	61,159	(a)	(a)
Castings.. ..	36,303	(a)	(a)

(a) Information not available.

(b) Including electric.

(c) Included in above is duplex steel, as follows—

1930	2,045,277	long tons.
1931	945,844	„ „

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

*(Domestic Produce)**(Long tons)*

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge and foundry ..	143,484	81,644	73,847
Acid	126,923	108,583	45,662
Basic	780	42	1,544
Spiegeleisen and ferro-manganese	45,042	10,633	6,027
Ferro-silicon	152	216	60
Other ferro-alloys ..	808	1,298	610
Iron and steel ingots ..	1,096	1,302	1,313
Blooms, billets and slabs—			
Iron	706	112	34
Steel	6,833	6,029	7,695
Special steel	3,083	2,256	2,436
Old and scrap	179,036	171,469	106,999
Irish Free State—			
Old and scrap	24,037	20,203	15,353
Canada—			
Pig-iron	593	2,787	2,029
Ferro-silicon	14,577	3,191	1,248
Ferro-manganese, spiegeleisen and other ferro-alloys	24,277	15,504	14,400
Billets, ingots and blooms	1,923	—	—
Scrap	37,898	23,968	17,918
British India—			
Pig-iron	502,629	318,994	250,137
Old and scrap	63,063	87,240	74,909
British Malaya (including re-exports)—			
Pig-iron	50	11	1
Scrap	5,569	5,069	7,170
Hong-Kong (including re-exports)—			
Pig-iron	(b) 9	386	616
Iron and steel scrap ..	(b) 15,725	26,788	20,328

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Australia (including re-exports)—			
Pig-iron	5	1,173	1,090
Ingots, blooms, slabs, etc.	(c) 4	(c) 51	256
New Zealand—			
Pig-iron	4	—	—
FOREIGN COUNTRIES			
Austria—			
Pig iron	31,418	13,381	4,227
Ferro-silicon	5,073	2,338	900
Other ferro-alloys ..	138	111	33
Iron ingots, blooms and bars	5,222	3,534	1,840
Steel ingots, blooms and bars	2,461	1,939	2,159
Old and scrap	8,328	19,725	8,401
Belgium-Luxemburg E.U.—			
Pig-iron	113,587	69,031	35,697
Steel ingots	11,036	6,939	5,662
Blooms and billets ..	375,508	483,070	504,018
Old and scrap	376,947	189,873	119,574
Bulgaria—			
Old and scrap	1,506	3,645	(a)
Czechoslovakia—			
Pig-iron—			
Foundry	22,241	7,346	2,337
For refining or puddling	—	1,781	—
Spiegeleisen	873	415	247
Ferro-alloys	2,247	8,059	3,492
Steel ingots	66	38	—
Billets of cast iron ..	25,941	4,552	2,125
Billets, blooms and bars of puddled iron ..	8,574	10,816	837
Old and scrap	1,835	906	70

(a) Information not available.

(b) April-December only.

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

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Old and scrap	71,936	50,052	70,204
Estonia—			
Pig-iron	—	—	72
Old and scrap	5,181	3,066	2,482
Finland—			
Pig-iron and ferro-alloys	7,391	8,927	6,208
Old and scrap	2,401	7	1
France—			
Pig-iron—			
Forged or refined ..	517,747	410,279	192,584
Spiegeleisen	993	6,101	1,925
Ferro-manganese	3,465	2,262	603
Ferro-silicon	5,384	6,904	3,814
Ferro-chrome	140	375	671
Other ferro-alloys ..	697	1,429	493
Ingots	67,311	73,945	15,960
Blooms and billets, forged or rolled ..	558,782	382,331	233,406
Tool steel	1,187	1,354	747
Machine iron or steel ..	161,087	147,401	116,869
Other special steel ..	1,360	1,317	453
Old, filings and scrap ..	310,751	348,439	291,886
Germany—			
Pig-iron	198,734	175,233	68,837
Ferro-manganese	9,812	14,129	18,945
Ferro-silicon	25	811	503
Other ferro-alloys ..	28,877	12,655	9,922
Rough blooms, bars, in- gots, etc.	386,805	402,504	73,646
Old and scrap	249,633	304,046	288,907
Greece—			
Old and scrap	4,892	2,088	2,717
Hungary—			
Pig-iron	463	691	1,467
Ingots and blooms ..	35,504	33,436	8,547
Tool and special steel ..	5	43	—
Old and scrap	24	84	808

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy—			
Pig-iron	6	41	39
Ferro-manganese	1,348	559	403
Ferro-chrome	—	260	34
Ferro-silicon	808	910	2,658
Other ferro-alloys	845	961	2,586
Crude iron ingots	2	1	—
Steel ingots	—	5	9
Blooms and loops	—	33	—
Old and scrap	57	17	1
Netherlands—			
Pig-iron and ferro-alloys	206,414	219,338	208,885
Ingots, blooms and billets	7,842	6,853	1,191
Old iron and scrap	153,546	154,359	164,300
Norway—			
Pig-iron—electric	10,708	7,674	6,253
Ferro-chrome	4,076	4,779	4,182
Ferro-manganese	47,092	31,523	34,933
Ferro-silicon	27,262	26,634	11,104
Ferro-phosphorous	727	55	34
Other ferro-alloys	4,338	2,267	7,513
Steel	1,148	700	677
Old and scrap	26,269	18,604	33,046
Poland			
Pig-iron—Foundry	4	—	2
Refined	69	—	—
Other	90	2	—
Ferro-manganese	1,319	1,587	193
Other ferro-alloys	77	5	—
Blooms and billets	1,437	5,201	228
Old and scrap	2,254	2,075	559
Roumania—			
Pig-iron	2,470	522	792
Tool steel	14	—	6
Old and scrap	143	113	407
Ferro-alloys	—	53	—
Spain (including re-exports)—			
Pig-iron	10	—	1,176
Ferro-alloys	3	—	11
Fine carbon tool steel	3	—	—
Iron and steel scrap	64	24	2

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Pig-iron	46,398	39,836	31,047
Granular iron	42	6	22
Ferro-manganese and spiegeleisen	685	669	731
Ferro-silicon and ferro- manganese-silicon ..	13,823	10,616	8,803
Ferro-chrome	5,752	5,911	5,804
Other pig-iron and ferro- alloys	2,017	964	1,042
Steel ingots	3,168	1,759	1,794
Steel blooms	500	647	553
Tool steel	821	541	384
Other special steel ..	84	1,209	1,406
Old and scrap	4,361	2,331	747
Switzerland—			
Ferro-chrome and ferro- silicon	4,513	3,942	1,411
Old filings and scrap ..	64,227	69,271	61,924
U.S.S.R. (Russia)—			
Pig-iron	2,099	1,673	86
Steel	592	14	16
Yugoslavia—			
Ferro-silicon	1,826	2,122	601
Ferro-manganese	—	—	1,186
Crude iron in ingots ..	35	1,210	203
Crude steel	—	56	1
Special steel	270	260	271
Scrap and filings	9	15	335
Algeria—			
Tool steel	—	3	(a)
Old, filings and scrap ..	10,106	11,325	(a)
Egypt (total exports)—			
Scrap	8,062	14,311	14,107

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Old and scrap	3,442	1,570	(a)
United States—			
Pig-iron	13,671	6,719	2,324
Ferro-manganese and spiegeleisen	6,189	1,306	33
Ferro-tungsten, tungsten metal and wire .. .	13	472	63
Steelingots, slabs, blooms, billets and sheet bars	17,032	7,965	1,627
Old and scrap (including tin-plate scrap) .. .	358,649	136,125	227,522
Argentina—			
Old and scrap	47,914	—	—
Chile—			
Ingots	3	5	(a)
Old and scrap	188	1	(a)
Cuba—			
Old and scrap	9,902	16	(a)
China—			
Pig-iron	180,564	247,062	187,568
Old and scrap	(£29,500)	(£19,648)	(£9,620)
French Indo-China—			
Pig-iron and spiegeleisen	18	22	39
Steel ingots, billets and brass	37	8	77
Old and scrap	3,556	659	1,234
Japan—			
Ingots	166	342	562
Old and scrap	9,505	8,863	12,289
Korea—			
Pig-iron	109,898	94,925	204,294

(a) Information not available.

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

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands East Indies— Old and scrap	21,793	23,756	(a)
Persia (b)— Ingots, old and scrap ..	143	1,526	65
Philippine Islands— Old and scrap	1,497	847	425
Turkey— Old and scrap	3,152	2,786	423

(a) Information not available.

(b) Years ended March 21 of the year stated for 1930 and 1931,
and June 21 for 1932.

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

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge	1,142	498	142
Foundry	117,498	109,348	29,849
Acid	205	24,346	17,498
Basic	171,668	149,730	87,428
Spiegeleisen and ferro- manganese	5,516	7,600	2,871
Ferro-silicon	11,818	11,189	9,798
Other ferro-alloys	4,267	3,767	5,031
Iron and steel ingots	34,671	21,647	4,806
Blooms, billets, slabs—			
Iron	5,928	103	828
Steel	565,643	530,016	360,378
Special steel	1,851	1,619	997
Old and scrap	214,016	95,658	115,335
Irish Free State—			
Pig-iron	19,420	10,169	5,839
Anglo-Egyptian Sudan—			
Pig-iron	(£726)	(£149)	(£149)
Bars and billets	1,738	1,090	674
Mauritius—			
Pig-iron	46	51	7
Crude steel	10	13	5
Northern Rhodesia—			
Pig, ingots, blocks, slabs, etc.	45	45	30
South West Africa—			
Pig-iron	20	3	10
Union of South Africa—			
Pig-iron, including steel ingots	9,464	9,010	2,419
Ferro-silicon	251	164	152
Ferro-manganese	548	609	625
Other ferro-alloys	57	77	68

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Canada—			
Pig-iron	13,643	7,913	4,753
Ferro-silicon	205	83	1
Ferro-manganese, spie- geleisen and other ferro- alloys	3,700	2,708	284
Ingots, blooms and billets	8,722	9,645	2,964
Chrome steel	1,995	—	—
Scrap	106,316	67,931	54,212
Newfoundland (years ended June 30)—			
Pig-iron	(£2,634)	(£1,124)	(£379)
British India (total im- ports)—			
Pig-iron	3,106	1,283	497
Ferro-alloys	(c) 758	1,502	495
Old	3,089	2,303	1,132
British Malaya (total im- ports)—			
Pig-iron	3,977	1,686	1,129
Scrap	573	70	144
Ceylon—			
Pig-iron	648	402	519
Cyprus—			
Pig-iron	71	99	12
Hong Kong (total imports)—			
Pig-iron	(c) 1,699	1,834	7,474
Iron and steel scrap ..	(c) 8,873	20,935	20,658
Palestine (total imports)—			
Pig-iron	107	78	323
Australia—			
Pig-iron	2,276	1,053	1,989
Ferro-alloys	(b) 2,020	(b) 761	4,108
Ingots and billets of high grade carbon and alloy steels	(b) 23	(b) 21	—

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Australia—(cont.)			
Ingots, blooms, billets, etc.	(b) 3,678	(b) 1,481	1,562
Scrap	(b) 3,979	(b) 218	—
New Zealand—			
Pig-iron	4,320	5,158	2,249
FOREIGN COUNTRIES			
Austria—			
Pig-iron	21,951	17,906	12,433
Ferro-silicon	264	427	223
Other ferro-alloys	4,108	3,259	1,984
Iron ingots, blooms and bars	766	69	1
Steel ingots, blooms and bars	1,014	2,146	271
Old and scrap	4,581	7,117	29,038
Belgium-Luxemburg E.U.—			
Pig-iron	393,381	296,732	208,398
Steel ingots	8,330	801	422
Blooms and billets	112,634	73,357	19,177
Old and scrap	73,629	193,339	130,969
Bulgaria—			
Pig-iron	4,092	3,180	4,055
Old and scrap	87	39	87
Czechoslovakia—			
Pig-iron—			
Foundry	11,866	9,973	6,479
For refining or puddling	26,475	20,338	5,889
Spiegeleisen	—	—	300
Other ferro-alloys	12,534	5,798	2,912
Steel ingots	225	61	5
Billets of cast iron	295	139	198
Billets, blooms, bars of puddled iron	423	203	303
Old and scrap	64,974	28,988	20,738

(a) Information not available.

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

(c) April to December only.

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Pig-iron	50,661	31,363	23,001
Ingots	5	7	27
Ferro-alloys	471	268	213
Old and scrap	326	772	438
Estonia—			
Pig-iron	1,320	728	1,645
Crude iron and steel in ingots and bars	10	30	127
Ferro-alloys	98	34	42
Old and scrap	12	10	204
Finland—			
Pig-iron	12,456	13,496	12,064
Ferro-manganese and spiegeleisen	242	198	331
Other ferro-alloys	51	178	273
Old, filings and scrap	679	120	27,039
France—			
Pig-iron—ordinary	27,225	9,605	4,117
hematite	115,232	63,002	34,598
Spiegeleisen	25,515	14,131	2,991
Ferro-manganese	1,958	184	33
Ferro-silicon	2,293	1,416	311
Ferro-chrome	1,372	732	1,108
Other ferro-alloys	326	190	107
Ingots	6,253	1,625	1,436
Blooms and billets, rolled or forged	27,775	15,055	17,883
Tool steel	1,357	788	606
Machine iron or steel	2,104	1,408	4,527
Other special steel	5,292	4,166	2,122
Old, filings and scrap	71,633	58,329	45,958
Germany—			
Pig-iron	167,683	115,623	61,639
Ferro-manganese	2,180	2,328	2,497
Ferro-silicon	17,322	11,315	8,646
Other ferro-alloys	3,914	3,131	2,346
Rough blooms, ingots, bars, etc.	102,006	87,126	74,452
Old and scrap	158,952	88,290	97,569

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Greece—			
Pig-iron	3,258	3,749	1,840
Hungary—			
Pig-iron	16,723	3,846	} 3,429
Ferro-alloys	2,817	2,255	
Ingots and blooms ..	233	203	369
Tool and special steel ..	505	351	295
Old and scrap	1,884	22,213	24,729
Iceland—			
Pig-iron	33	(a)	(a)
Italy—			
Pig-iron	154,204	82,580	46,917
Spiegeleisen	—	251	19
Ferro-chrome	489	234	240
Ferro-manganese ..	23	217	217
Other ferro-alloys ..	425	353	308
Crude iron in ingots ..	3	—	1
Steel ingots	6,477	8,050	7,389
Steel blooms and loops	14,134	6,744	15,524
Old and scrap	841,873	603,313	466,697
Latvia—			
Pig-iron	5,908	4,659	1,950
Iron blooms and loops	1,831	4,208	—
Steel blooms and loops	294	1	18
Old, filings and scrap ..	2,225	1,203	892
Lithuania—			
Pig-iron	1,798	1,971	1,907
Steel blooms and billets	278	816	399
Netherlands—			
Pig-iron and ferro-alloys	32,321	15,971	10,335
Ingots, blooms, billets, etc.	1,780	741	671
Old and scrap	22,619	27,514	9,844
Norway—			
Pig-iron	13,518	9,193	9,745
Ferro-silicon	—	22	4
Ferro-wolfram and ferro- vanadium	83	25	7
Steel ingots	178	161	853
Alloyed steel	503	366	342
Old and scrap	4,788	6,357	13,089

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Poland—			
Pig-iron—Foundry ..	217	777	1,397
Refined ..	60	710	606
Other ..	2,237	1,172	231
Ferro-manganese ..	21	2,027	64
Ferro-silicon	522	409	51
Ferro-chrome	243	162	129
Other ferro-alloys ..	20	9	7
Blooms and billets ..	30,687	13,964	12,614
Old and scrap	328,492	360,941	121,037
Portugal—			
Iron and steel ingots ..	7,140	6,447	8,624
Old and scrap	1,024	435	312
Roumania—			
Pig-iron	9,501	3,777	3,222
Ferro-alloys	1,126	695	714
Ingots, slabs and blooms	6,450	6,371	9,337
Tool steel	234	220	131
Old and scrap	210	407	2,099
Spain (including re-exports)			
Pig-iron	4,722	1,362	989
Ferro-manganese ..	3,906	503	3
Ferro-silicon	2,620	613	8
Other ferro-alloys ..	733	469	299
Ingots and blooms ..	297	10	5
Tool steel	2,133	1,127	808
Special alloy-steel ..	496	349	218
Old and scrap	253,029	159,088	125,184
Sweden—			
Pig-iron	87,088	58,534	38,119
Spiegeleisen and ferro- manganese	1,703	2,791	3,282
Ferro-chrome	493	421	151
Ferro-silicon and man- ganese-silicon ..	208	85	47
Ferro-tungsten	223	98	87
Other ferro-alloys ..	116	88	132
Granulated iron ..	274	295	377
Steel ingots	14	2	1
Tool steel	31	34	42
Old and scrap	1,700	2,779	851

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

Importing Country and Description.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Pig-iron, billets, blooms, etc.	147,307	130,731	106,485
Ferro-chrome and ferro- silicon	1,657	1,595	1,195
Old, filings and scrap ..	2,767	3,313	8,776
U.S.S.R. (Russia)—			
Pig-iron	3	67,125	—
Spiegeleisen, silico- spiegel, etc... ..	81	317	—
Ferro-chrome	2,187	4,088	3,808
Ferro-molybdenum ..	302	650	582
Ferro-silicon	12,398	21,418	5,741
Ferro-tungsten	1,617	3,622	2,109
Ferro-vanadium	199	339	206
Other ferro-alloys ..	744	54	—
Old and scrap	6,028	18,247	2,062
Yugoslavia—			
Ferro-manganese	1,184	162	105
Ferro-silicon	86	2	1
Pig-iron and other ferro- alloys	12,813	4,431	3,867
Iron in ingots	374	309	99
Crude steel	5,366	3,668	1,697
Special steel	1,310	571	829
Old, filings and scrap ..	10,418	23,137	17,879
Algeria—			
Pig-iron	2,328	1,834	1,631
Spiegeleisen and ferro- alloys	8	83	(a)
Ingots, blooms and billets	22	134	94
Tool steel	64	166	(a)
Old, filings and scrap ..	435	425	(a)
Egypt—			
Pig-iron and spiegeleisen	3,615	2,277	2,287
Ferro-alloys	4	7	2
Special steel	534	659	363
Scrap (total imports) ..	740	194	174

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
French Equatorial Africa—			
Steel ingots and billets	209	143	(a)
Tool steel	3	1	(a)
French West Africa—			
Steel ingots and billets	1,511	868	(a)
Tool steel	102	19	(a)
Other special steel ..	8	11	(a)
Madagascar			
Pig-iron	33	28	(a)
Blooms and billets ..	4,229	4,260	(a)
Special steel	109	18	(a)
Morocco—			
Tool steel	48	35	77
Scrap	191	133	(a)
Tunis—			
Pig-iron	108	81	41
Iron ingots and rough bars	529	224	6
Steel bars, ingots and billets	11,210	18,867	17,854
Tool steel	276	33	32
Old and scrap	1,617	796	1,040
Cuba (total imports)—			
Iron ingots	385	272	(a)
Steel ingots	3	—	(a)
United States—			
Pig-iron	137,031	84,411	130,630
Spiegeleisen	13,406	9,482	8,364
Ferro-manganese and other manganese alloys (Mn content) (b) ..	38,452	17,764	14,586
Ferro-silicon (b)	5,188	738	168
Ferro-tungsten, tungsten and alloys (W content) (b)	1,613	46	1
Ferro-chromium and chromium (b)	162	95	230
Ferro-phosphorous ..	1,005	1,839	711
Granular iron	81	210	185
Iron bars, slabs, blooms, etc. (b)	1,376	854	505
Steel ingots, blooms, etc. (b)	22,150	19,868	2,396
Scrap	27,482	16,279	9,775

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Pig-iron	173	187	} (a)
Ingots	10,177	4,496	
Ferro-manganese	972	235	
Other ferro-alloys	275	221	
Argentina—			
Ingots	34,388	21,474	13,172
Old and scrap	645	25	—
Brazil—			
Pig-iron	1,853	632	666
Filings	81	49	22
Chile—			
Ingots	5,747	2,408	898
Ferro-alloys	214	54	(a)
Old iron.. .. .	4,555	30	(a)
Colombia—			
Ingots and filings	194	(a)	(a)
Peru—			
Pig-iron	953	373	309
China—			
Pig and kentledge	19,853	22,455	26,256
Ferro-manganese	(a)	(a)	44
Tool and spring steel	3,792	4,085	4,958
Old and scrap	17,216	19,340	16,784
Formosa—			
Ingots, blooms and billets	6,313	3,069	(a)
Old and scrap	394	70	(a)
French Indo-China—			
Pig-iron and ferro-alloys	2,050	1,275	745
Iron ingots	1	—	—
Steel ingots, bars and billets	20,654	8,616	9,787
Tool steel	105	60	14
Old, filings and scrap	550	282	236

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Japan (total imports)—			
Pig-iron	399,420	393,139	437,405
Ferro-manganese	2,097	904	197
Other ferro-alloys	609	365	375
Ingots, blooms, and billets	7,297	2,196	13,024
Old and scrap	481,199	290,931	550,251
Special steel	2,379	1,934	3,342
Korea—			
Pig-iron	6,164	4,085	7,224
Old and scrap	(a)	902	1,125
Netherlands East Indies—			
Iron ingots	2,623	713	(a)
Old and scrap	282	117	(a)
Persia (c)—			
Ingots, old and scrap	2,489	629	186
Philippine Islands—			
Pig-iron	1,299	775	675
Portuguese India—			
Crude iron and steel	2,704	2,765	(a)
Siam—			
Pig-iron	670	679	458
Syria and Lebanon—			
Pig-iron	916	30	58
Turkey—			
Iron ingots and blocks	275	174	3,281
Steel ingots and blocks	1,357	514	389
Old and scrap	99	17	1

(a) Information not available.

(c) Years ended March 21 for 1930 and 1931 and June 21 for 1932.

LEAD**PRODUCTION OF LEAD ORE***(In terms of metal)*

. (Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	20,304	23,602	32,913
Nigeria (estimated) ..	370	1,310	440
Southern Rhodesia ..	4	—	—
South West Africa (b) ..	28,500	14,100	5,000
Union of South Africa ..	6	39	68
Canada (c)	148,613	119,349	114,262
Newfoundland	17,928	27,971	35,601
India	114,400	89,000	78,800
Australia	197,595	150,764	210,566
Total ..	530,000	430,000	480,000
FOREIGN COUNTRIES			
Austria	8,754	1,646	4,735
Bulgaria (estimated) ..	1,200	—	—
Czechoslovakia	6,500	4,604	(a)
Finland	180	—	150
France	10,456	7,000	5,000
Germany	67,579	53,404	50,145
Greece	7,686	6,043	6,500
Hungary (estimated) ..	800	(a)	(a)
Italy	29,445	23,727	20,900
Norway	639	867	844
Poland	11,300	8,000	5,000
Portugal	—	40	—
Roumania (smelter) ..	969	1,293	(a)
Spain (smelter)	121,317	107,899	112,486
Spitzbergen	77	(a)	(a)
Sweden	5,835	8,237	6,700
U.S.S.R. (Russia) (smelter)	10,580	11,000	(a)
Yugoslavia.. .. .	22,000	44,500	50,318
Algeria	7,628	5,300	2,250
Egypt	70	—	—

(a) Information not available.

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

(c) Amount estimated as recoverable.

PRODUCTION OF LEAD ORE (*Cont.*)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Morocco (French zone) ..	4,169	718	1,750
Tunis	14,100	13,418	6,289
Mexico (<i>b</i>)	237,132	223,199	135,231
United States (<i>b</i>)	498,494	361,270	259,742
Argentina	2,908	3,738	2,959
Bolivia (exports)	11,826	6,564	5,402
Chile	664	(<i>a</i>)	(<i>a</i>)
Peru	19,462	3,427	3,800
China (estimated)	4,900	3,800	(<i>a</i>)
French Indo-China	20	6	—
Japan (smelter)	3,524	4,006	4,000
Turkey	4,590	2,161	(<i>a</i>)
Korea	12	—	(<i>a</i>)
New Caledonia	500	—	—
Total ..	1,110,000	910,000	700,000
WORLD'S TOTAL ..	1,640,000	1,340,000	1,180,000

(*a*) Information not available.

(*b*) Amount estimated as recoverable.

METAL PRODUCTION OF LEAD
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	10,219	10,554	7,000
South West Africa (d) ..	3,603	2,599	1,028
Canada	135,925	124,307	113,007
India	79,730	74,785	71,202
Australia (f)	168,543	150,436	186,356
Total ..	398,000	363,000	379,000
FOREIGN COUNTRIES			
Austria	6,825	6,020	1,955
Belgium (b)	84,022	69,731	69,000
Czechoslovakia	4,158	3,601	(a)
France	19,851	18,800	12,000
Germany (c)	133,620	118,420	110,000
Greece	7,213	6,601	7,000
Hungary	69	51	(a)
Italy	23,956	24,489	30,974
Norway	(e) 787	342	428
Poland	39,573	31,372	11,714
Portugal	—	106	107
Roumania	969	1,293	(a)
Spain	121,317	107,899	112,486
Sweden	7	24	(a)

(a) Information not available.

(b) Includes base bullion as follows :—

1930 . 22,184 long tons.

1931 13,582 " "

(c) Includes some secondary. Figures as published by *Metallgesellschaft*, which exclude secondary, are—

1930 109,100 long tons.

1931 99,700 " "

1932 93,700 " "

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

(e) Including tin.

(f) Includes base bullion as follows—

1930 252 long tons.

1931 17,130 " "

1932 51,857 " "

METAL PRODUCTION OF LEAD (*Cont.*)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
U.S.S.R. (Russia) (years ended Sept. 30) ..	10,580	11,000	(a)
Yugoslavia	9,889	7,806	8,190
Tunis	18,900	18,810	13,860
Mexico	211,167	204,000	128,000
United States	548,537	371,297	248,918
Argentina	8,863	7,493	8,800
Brazil (estimated) ..	500	700	(a)
Peru	16,630	3,800	3,600
French Indo-China ..	11	6	16
Japan	3,524	4,006	4,000
Korea	125	93	(a)
Turkey	4,590	1,204	(a)
Total ..	1,280,000	1,020,000	790,000
WORLD'S TOTAL	1,680,000	1,380,000	1,170,000

(a) Information not available.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	11,457	16,201	24,465
Pig-lead	3,773	3,097	2,950
Sheets and pipes	6,053	4,863	4,557
Foil	29	104	166
White lead	6,563	4,539	4,227
Litharge, red lead, etc. ..	10,143	7,369	6,335
Nigeria—			
Ore	353	1,700	1,331
South West Africa—			
Pig-lead	2,642	3,654	1,059
Copper-lead ore and matte	55,084	32,445	24,631
Union of South Africa—			
Pig, ingot and sheets ..	2	2	3
Canada—			
Ore (<i>Pb content</i>)	11,751	1,974	1,658
Pig-lead, etc.	91,711	96,619	95,532
White lead	129	169	4
Newfoundland (years ended June 30)—			
Concentrates	23,451	29,229	41,240
British India—			
Ores	600	30	(a)
Pig-lead, bars, etc. ..	75,267	69,621	63,090
British Malaya (including re- exports)—			
Pig-lead	184	154	120
Sheets and pipes	19	10	8
Hong Kong (including re- exports)—			
Pig-lead	(c) 182	157	388
Australia (including re-exports)			
Ores and concentrates (<i>Pb content</i>) (b)	19,471	24,121	4,083
Pig-lead	146,132	146,682	171,054
Sheets and pipes	526	109	197
White lead	296	368	327

(a) Information not available.

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

(c) April-December only.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
New Zealand—			
Pig and bar	—	4	1
FOREIGN COUNTRIES			
Austria—			
Ore	20	11	—
Pig-lead, scrap and alloys..	4,176	1,979	275
Bars, sheets, rods, etc. ..	221	222	97
Red and white lead, etc. ..	2,468	1,592	1,181
Belgium-Luxemburg E.U.—			
Ore	1,298	42	42
Pig-lead and scrap.. ..	20,618	38,747	39,762
Sheets, bars, pipes and wire	18,872	18,991	8,680
Red and white lead, etc. ..	5,411	4,981	3,999
Bulgaria—			
Ore (b)	2,108	—	1
Czechoslovakia—			
Ore	2,082	—	—
Pig-lead, ashes, scrap and alloys	721	173	188
Sheets, pipes, etc.	12	12	7
Red and white lead, etc. ..	2	2	2
Denmark—			
Pig-lead, scrap and alloys ..	398	364	324
Sheets and pipes	21	13	12
Red lead	17	17	1
France—			
Ore, matte and slag	21,290	10,695	5,370
Pig-lead, including argenti- ferous and antimonial ..	904	880	524
Scrap	1,315	675	745
Sheets, etc.	4,187	2,981	1,487
Red and white lead, etc. ..	2,673	1,623	1,521
Germany—			
Ore	25,462	21,923	4,757
Pig-lead, alloys and scrap..	31,157	29,504	22,731
Sheets, pipes, wire, etc. ..	8,262	9,593	6,122
Red and white lead	12,318	9,909	7,717
Greece—			
Argentiferous lead	6,993	4,908	—
Pig-lead	—	1	6,153

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Pig-lead and scrap ..	59	34	4
Bars, sheets, pipes and wire	118	28	5
Red and white lead, etc. ..	38	63	30
Italy—			
Ore	15,721	16,016	7,846
Pig-lead, scrap and alloys..	71	69	27
Sheets, pipes, wire and alloys	157	128	163
Red and white lead ..	1,069	2,025	1,999
Latvia—			
Red and white lead, etc. ..	876	1,224	859
Netherlands—			
Pig-lead and scrap	1,208	858	994
Sheets and wire	277	362	263
Red and white lead ..	1,311	960	555
Norway—			
Ore	813	1,143	1,543
Pig-lead, ashes and scrap	169	268	312
Sheets, tubes and wire ..	50	91	49
Poland—			
Ore and slag	372	36	20
Pig-lead, bars and scrap ..	14,991	20,306	5,849
Sheets, tubes and wire ..	131	69	84
Red and white lead, etc. ..	751	626	535
Portugal—			
Ore	65	—	2
Pig-lead	4	—	—
Roumania—			
Ore	5,216	2,868	1
Scrap	79	25	6
Spain (including re-exports)—			
Galena — non-argentiferous	4,066	1,167	32
do. argentiferous ..	835	1,207	—
Other ore	686	825	1,448
Pig-lead and scrap—			
Non-argentiferous ..	87,669	81,697	77,656
Argentiferous ..	—	10	—
Sheets, pipes and wire ..	2,500	2,488	858
Spitzbergen—			
Ore	110	—	(a)

(a) Information not available.

(b) Not including mixed ores.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ore	11,144	12,010	15,527
Pig-lead and scrap ..	1,436	2,119	1,380
Sheets, pipes and wire ..	5	1	6
Red and white lead and litharge	30	2	22
Switzerland—			
Ores, etc	700	293	780
Pig-lead, scrap, etc. ..	1,152	825	737
Sheets and pipes	41	68	96
Red and white lead, etc. ..	23	21	4
U.S.S.R. (Russia)—			
Concentrates	9,028	—	—
Yugoslavia—			
Ore	13,998	36,976	47,720
Pig-lead and scrap	15	464	997
Plates and sheets	6,675	6,137	5,071
Algeria—			
Ore	21,927	10,699	10,377
Pig-lead and scrap	230	674	399
Egypt—			
Pig-lead and scrap	(b) 671	48	—
Morocco—			
Ore	6,932	1,199	1,874
Scrap	90	1	41
Tunis (including re-exports)—			
Ore	214	181	1,418
Pig-lead and bars	13,363	21,077	11,760
Mexico—			
Ores, etc.	45,663	19,716	} (a)
Pig-lead, refined	168,031	190,466	
Base bullion	22,328	27,697	
Pig-lead, antimonial ..	2,017	2,171	
United States—			
Pig-lead, bars, etc.	42,831	19,208	20,882
Red and white lead, etc. ..	9,530	7,228	3,274
Argentina—			
Ore	942	—	—
Slag and ash	100	—	—
Bolivia—			
Ore (<i>Pb content</i>)	11,826	6,564	5,402

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Brazil—			
Ore	827	1,128	806
Chile—			
Ores and concentrates ..	1,204	23	10
Peru—			
Ore and concentrates (<i>Pb</i> <i>content</i>)	2,824	3,225	863
Pig-lead and scrap (<i>do.</i>) ..	15,779	212	296
China—			
Ore	2,377	1,044	194
Pig-lead	—	68	19
Red and white lead, etc. ..	(a)	(a)	11
Formosa—			
Tea-lead	5	5	(a)
French Indo-China—			
Ore, matte and slag ..	111	80	—
Iraq (years ended March 31 of year following)—			
Pig-lead, etc.	35	16	6
Japan—			
Tubes	608	489	510
Red lead	1,413	1,503	2,423
Korea—			
Pig-lead	3	95	442
Netherlands East Indies—			
Scrap	44	54	(a)
Turkey—			
Ore	7,715	5,462	24
Pig-lead, scrap and alloys..	4,445	38	—
Sheets, tubes, wire and alloys	837	—	2

(a) Information not available.

(b) March-December only.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	1,264	1,669	1,098
Pig-lead	286,151	283,189	247,732
Sheets and pipes	13,926	20,147	4,342
Foil	21	21	17
White lead	11,631	11,811	4,565
Litharge, red lead, etc. ..	4,493	4,005	2,361
Irish Free State—			
Pig-lead	1,228	1,536	1,459
Sheets and pipes	1,059	1,066	828
Red and white lead, etc. ..	807	730	756
Gold Coast—			
Bars and sheets	123	119	212
Kenya and Uganda—			
Bars and sheets	41	20	18
Mauritius (total imports)—			
Pig-lead, sheets and pipes..	57	14	33
Nigeria—			
Ore	79	57	60
Bars and sheets	93	54	71
Sierra Leone—			
Bars and sheets	7	6	10
Southern Rhodesia—			
Pig-lead, bars and sheets ..	38	34	} 6
Foil	2	3	
Red and white lead, acetate, etc.	99	71	88
South West Africa—			
Bars, sheets and pipes	19	11	4
Red and white lead, etc. ..	10	5	11
Tanganyika—			
Bars and sheets	13	3	3
Union of South Africa (total imports)—			
Pig-lead, bars, sheets and pipes	2,734	1,999	955
Foil	77	48	11
Red and white lead, acetate etc.	1,295	1,282	1,038

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Canada—			
Pig-lead and scrap	341	115	13
Bars, sheets, pipes, etc. ..	856	310	88
White lead, red lead, litharge, etc.	2,007	2,504	1,362
Newfoundland (years ended June 30)—			
Bars and sheets	(£1,488)	(£781)	(£103)
British India (total imports)—			
Ore	262	262	273
Pig-lead, bars, etc.	192	254	209
Sheets, pipes, etc.	1,704	1,584	1,029
Lead (Government stores) ..	15	31	3
Litharge, red and white lead, etc.	2,471	2,087	2,838
British Malaya (total imports)—			
Pig-lead	580	370	293
Pipes and sheets	105	77	53
Ceylon—			
Pig-lead	2,940	2,508	2,045
Sheets and pipes	40	37	25
Tea-lead	981	640	776
Cyprus—			
Sheets and pipes	6	31	21
Hong Kong (total imports)			
Pig-lead	(b) 512	1,501	1,468
Palestine (total imports)—			
Pig-lead, sheets, pipes, etc.	62	126	127
Australia—			
Pig-lead	23	—	—
Sheets and pipes	64	19	60
White lead and lead acetate	389	5	15
Fiji—			
Pig-lead and sheet	7	13	5
New Zealand—			
Pig-lead and bars	1,611	1,062	816
Sheets and pipes	566	76	84
White lead	2,117	1,166	1,016

(b) April–December only.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Austria—			
Ore	2,391	842	511
Pig-lead, scrap and alloys	7,606	6,077	3,025
Bars, sheets, rods, etc. ..	216	44	20
Red and white lead, etc. ..	78	80	40
Belgium-Luxemburg E.U.—			
Ore	39,526	55,146	41,083
Pig-lead and scrap	33,782	51,441	31,539
Sheets, bars, pipes and wire	1,246	366	74
Red and white lead, etc. ..	801	748	882
Bulgaria—			
Pig-lead, sheets, scrap, etc.	447	482	781
Tubes, wire, etc.	34	24	22
Red and white lead, etc.	(b) 477	(b) 554	127
Czechoslovakia—			
Ore	148	46	10
Pig-lead, ashes, scrap and alloys	10,663	8,897	7,940
Sheets and plates	4	4	2
Rods, pipes, wire, etc. ..	17	13	7
Red and white lead, etc. ..	1,059	849	489
Denmark—			
Pig-lead and scrap	7,537	7,965	5,212
Sheets and pipes	819	650	343
Red and white lead	763	756	659
Estonia—			
Pig-lead and bars	55	139	157
Sheets, pipes and wire ..	49	47	12
Red and white lead, etc. ..	127	118	145
Finland—			
Pig-lead and scrap	720	1,041	1,282
Sheets, pipes, wire, etc. ..	957	739	478
Red and white lead	551	423	371
France—			
Ore, matte and slag	32,726	26,803	12,914
Pig-lead, including argenti- ferous and antimonial ..	127,258	113,495	108,190
Scrap	7,343	3,153	1,761
Sheets, etc.	205	286	306
Red and white lead, etc. ..	1,428	1,746	1,608
Germany—			
Ore	81,595	48,513	66,125
Pig-lead, scrap and alloys..	84,751	63,550	49,857
Sheets, pipes, wire, etc. ..	176	165	180
Red and white lead	1,155	912	728

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Greece—			
Lead	1,657	1,234	1,033
Hungary—			
Pig-lead and scrap	4,494	4,592	4,535
Bars, sheets, pipes and wire ..	15	22	7
Red and white lead, etc. ..	121	80	26
Iceland—			
Pig-lead, etc.	28	(a)	(a)
Red and white lead	37	(a)	(a)
Italy—			
Ore	10,046	12,378	15,161
Pig-lead, scrap and alloys ..	17,723	15,395	8,815
Sheets, pipes, wire and alloys ..	21	15	18
Red and white lead	791	384	676
Latvia—			
Pig-lead and scrap	1,391	1,632	1,512
Sheets, tubes and wire	93	59	54
Red and white lead, etc.	7	8	—
Lithuania—			
Pig-lead, pipes and scrap	158	239	111
Red lead, etc.	64	18	55
Netherlands—			
Ore	256	244	222
Pig-lead and scrap	22,549	23,031	18,722
Sheets and wire	8,256	4,035	3,453
Red and white lead	5,546	4,611	4,125
Norway—			
Ore	—	88	—
Pig-lead	1,682	1,727	1,877
Bars, sheets and tubes	823	453	639
Red and white lead	837	612	583
Poland—			
Ore and slag	30,238	18,725	1,615
Pig-lead, bars and scrap	31	79	136
Sheets, tubes and wire	83	82	34
Red and white lead, etc.	783	678	405
Portugal—			
Lead and alloys	1,984	2,033	2,181
Red and white lead	469	428	336
Roumania—			
Ore	1	4	14
Pig-lead and scrap	2,397	1,043	1,568
Bars, sheets, pipes and wire ..	81	48	81
Red and white lead, etc.	400	368	345

(a) Information not available.

(b) Includes zinc white and lithopone.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Spain (total imports)—			
Galena—non-argentiferous	3,522	10,283	2,711
Other ores	—	7,598	4,873
Pig-lead and scrap	119	128	172
Sheets, pipes and wire	26	15	7
Sweden—			
Pig-lead and scrap	11,553	12,886	10,158
Sheets and pipes	2,123	2,061	1,579
Red and white lead and litharge	2,753	2,773	2,298
Switzerland—			
Ores, etc.	79	24	59
Pig-lead, scrap, etc.	12,650	14,243	14,237
Sheets, pipes, wire, etc.	554	679	557
Red and white lead, etc.	388	394	316
U.S.S.R. (Russia)—			
Pig-lead, sheets and scrap	49,390	41,284	32,245
Red lead	1,083	176	935
Yugoslavia—			
Pig-lead and scrap	82	50	13
Sheets, bars, rods and wire	147	24	7
Red and white lead, etc.	544	457	411
Algeria—			
Ore and matte	5,198	466	(a)
Pig-lead, bars, sheets, etc.	3,670	3,519	4,388
Belgian Congo—			
Pig-lead	36	1	4
Egypt—			
Pig-lead and scrap	364	381	(b) 425
Sheets and pipes	671	692	(b) 541
Red and white lead, etc.	333	373	331
French Togoland—			
Pig-lead and sheets	19	5	3
Morocco—			
Pig-lead, sheets and wire	185	263	196
Mozambique—			
Bars and sheets	16	15	12
Tunis—			
Ore	15,680	19,605	3,745
Pig-lead, bars and scrap	11	12	59
Sheets, pipes, etc.	137	55	137
Red and white lead, etc.	31	29	44
Cuba (total imports)—			
Pig-lead	92	74	(a)
Sheets, pipes and wire	101	44	(a)

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Pig-lead	121	294	(a)
Sheets and pipes	39	55	(a)
Panama—			
Pig-lead	7	11	(a)
Salvador	86	(a)	(a)
United States—			
Ore and matte (<i>Pb content</i>)	35,158	18,650	18,751
Bullion and base bullion (<i>Pb content</i>)	34,491	28,857	12,020
Red and white lead, etc. ..	86	72	37
Pig-lead, bars and scrap(b) (c)	187	9	39
Argentina—			
Ore	6,397	5,138	4,185
Pig-lead and sheets	6,563	5,544	678
Red and white lead	662	555	380
Bolivia—			
Bars and sheets	30	(a)	(a)
Brazil (total imports)—			
Pig-lead, sheets and pipes ..	3,640	4,141	5,441
Red and white lead	680	366	405
Chile—			
Pig-lead	914	394	654
Bars and sheets	350	243	48
Red and white lead	36	23	7
Colombia—			
Ingots, bars, tubes and alloys	150	(a)	(a)
Red and white lead	43	(a)	(a)
Ecuador—			
Pig-lead, sheets and wire ..	91	42	(a)
Peru—			
Pig-lead, sheets, etc.	134	69	31
Uruguay—			
Pig-lead	1,014	879	(a)
Red and white lead	122	11	(a)
Venezuela—			
Pig-lead	43	10	51
Red and white lead	81	20	21

(a) Information not available.

(b) Total imports.

(c) *Pb content*.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
China—			
Pig-lead	5,399	4,867	4,818
Tea- and sheet-lead	314	580	406
Pipes	453	397	240
Red and white lead, etc.	1,477	1,572	1,138
Formosa—			
Pig-lead	11	34	} (a)
Pipes, tubes, etc.	1,259	1,464	
Red lead, etc.	194	156	
French Indo-China—			
Pig-lead and scrap	176	151	134
Sheets, etc.	33	31	20
Red and white lead	344	228	178
Iraq (years ended March 31 of year following—			
Pig-lead, etc.	13	28	34
Japan (total imports)—			
Pig-lead	55,098	52,741	54,466
Tea-lead	133	129	59
Korea—			
Pipes	1,174	403	263
Netherlands East Indies—			
Pig-lead, scrap and alloys	579	504	} (a)
Sheets, etc. and alloys	628	286	
Tea-lead	438	353	
Red and white lead	1,709	873	
Philippine Islands—			
Pig-lead and sheets	564	586	485
Red and white lead	484	394	441
Siam (total imports)—			
Pig-lead	354	240	146
Syria and Lebanon—			
Ingots and sheets	38	56	71
Pipes	42	31	125
Red and white lead	10	77	166
Turkey—			
Ore	—	14	—
Pig-lead, scrap and alloys	342	561	982
Sheets, tubes, wire and alloys	149	103	76

(a) Information not available.

MAGNESITE**PRODUCTION OF MAGNESITE**

(Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
Southern Rhodesia—			
Crude	—	—	13
Union of South Africa—			
Crude	1,879	1,336	1,396
Canada—			
Crude	24,677	23,963	(a)
Caustic and dead-burnt (c)	11,907	10,188	7,939
India—			
Crude	16,523	5,333	13,864
Australia—			
Crude	8,754	3,475	(e) 5,362
FOREIGN COUNTRIES			
Austria—			
Crude	299,588	176,606	132,277
Caustic (c)	20,200	34,211	30,412
Dead-burnt (c)	122,264	38,186	28,298
Bricks (c)	40,434	23,441	15,283
Czechoslovakia—			
Crude	116,000	(a)	(a)
Calcined (b)	30,123	14,569	13,013
Greece—			
Crude	67,427	49,200	70,000
Caustic (c)	19,661	12,764	(a)
Dead-burnt (c)	889	1,886	(a)
Italy—			
Crude	4,057	3,415	(a)

(a) Information not available.

(b) Exports less imports.

(c) Derived from crude shown, and *not* additional.(e) Excluding production of Victoria, which is not available.
During 1931 this amounted to 50 long tons.

PRODUCTION OF MAGNESITE (Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude	2,171	1,555	1,290
Calcined (c)	783	450	512
Bricks (c)	326	290	537
U.S.S.R. (Russia) (years ended Sept. 30)—			
Crude	150,000	242,000	} (a)
Caustic (c)	6,129	13,665	
Dead-burnt (c)	62,566	51,700	
Bricks (c)	33,906	29,904	
Yugoslavia (Serbia only)—			
Crude	17,701	22,700	(a)
Calcined	6,585	8,436	(a)
United States—			
Crude	115,464	65,716	34,341
Caustic (sales) (c)	7,661	5,268	3,013
Dead-burnt (sales) (c)	44,161	25,206	13,246
China—			
Crude	29,016	30,000	(a)
Turkey—			
Crude	317	2,162	305

(a) Information not available.

(c) Derived from crude shown, and *not* additional.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Magnesium	14	46	5
Chloride, sulphate, etc. ..	3,655	3,782	4,626
Canada—			
Caustic and dead-burnt ..	1,653	1,438	1,066
FOREIGN COUNTRIES			
Austria—			
Crude	889	4,960	2,579
Caustic	26,458	18,110	15,368
Dead-burnt	57,144	27,057	14,694
Bricks	(b) 53,971	(b) 42,217	13,797
Carbonate	8	9	3
Chloride	48	15	52
Sulphate	3	1	—
Belgium-Luxemburg E.U.—			
Crude	37	5	—
Calcined	159	5	86
Magnesium	2	—	—
Carbonate	23	31	9
Chloride	93	123	18
Sulphate	21	109	78
Czechoslovakia—			
Crude	7,003	7,708	6,111
Calcined	31,269	15,264	13,651
Chloride and sulphate ..	18	4	12
Denmark—			
Chloride	1	1	—
France—			
Crude	1	27	10
Calcined	35	36	73
Magnesium	23	6	1
Carbonate	40	32	46
Chloride	932	617	733
Sulphate	42	39	122
Germany—			
Calcined	6,232	5,087	4,005
Carbonate	586	483	403
Chloride	39,595	34,624	20,863
Sulphate	75,778	60,426	36,293

(b) Including other fireproof bricks which amounted to 15,447 long tons in 1932.

EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Greece—			
Crude	3,209	1,203	12,797
Caustic	10,550	8,631	10,396
Hungary—			
Crude and calcined	2	1	—
Sulphate	6	6	2
Oxide	1	—	—
Italy—			
Caustic, impure	227	526	506
do. pure	164	176	117
Carbonate	146	131	184
Chloride and sulphate	13	9	10
Netherlands—			
Crude	6	5	140
Magnesia	15,378	12,189	8,458
Sulphate	32	7	36
Norway—			
Crude	5	—	—
Calcined	695	399	(a)
Bricks	311	380	(a)
Sweden—			
Crude and calcined	—	9	278
U.S.S.R. (Russia)—	18,522	14,945	1,745
Yugoslavia—			
Crude	5,998	610	719
Calcined	3,970	6,799	6,708
United States—			
Magnesia and manufactures	3,055	1,297	545
Turkey—			
Crude	69	1,684	103

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Crude	6,738	6,626	8,035
Caustic and dead-burnt ..	18,856	12,125	10,093
Magnesium	46	62	48
Chloride, sulphate, etc. ..	25,964	26,159	15,763
Union of South Africa—			
Carbonate and sulphate ..	395	492	510
Chloride	363	227	134
Canada—			
Crude and calcined	1,368	1,596	951
Oxide	1,212	474	65
Carbonate	(a)	(b)113	354
Sulphate	2,291	1,839	1,957
Bricks	(£55,195)	(£32,337)	(£17,809)
British India (total imports)—			
Chloride	1,779	1,827	1,134
Sulphate	2,987	1,289	580
Other salts	32	17	43
Australia—			
Oxide	137	43	66
Carbonate	153	94	90
Chloride	332	37	144
Sulphate	1,369	626	397
New Zealand—			
Sulphate	242	235	247
FOREIGN COUNTRIES			
Austria—			
Caustic	91	83	47
Dead-burnt	18	7	—
Bricks	(c) 752	(c) 711	2
Carbonate	151	153	115
Chloride	1,715	1,383	1,015
Sulphate	113	99	8
Belgium-Luxemburg E.U.—			
Crude	44	490	262
Calcined	621	599	882
Magnesium	3	1	3
Carbonate	49	61	31
Chloride	3,145	3,108	1,105
Sulphate	8,268	13,143	8,137

(a) Information not available.

(b) June-December only.

(c) Including other fireproof bricks which in 1932 amounted to 201 long tons.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Crude	(a)	118	132
Sulphate	32	56	97
Czechoslovakia—			
Crude	—	—	10
Calcined	1,146	695	638
Oxide, impure	4,694	3,778	3,125
Chloride	5,292	4,285	3,395
Sulphate	72	3	1
Denmark—			
Crude	487	510	312
Oxide	96	88	104
Chloride	526	609	359
Sulphate	216	146	182
Estonia—			
Ground	59	69	73
Chloride and sulphate ..	109	104	127
Finland—			
Magnesite and witherite ..	772	490	518
Calcined	20	15	7
Carbonate	37	64	59
Chloride	724	423	331
Sulphate	104	94	153
France—			
Crude	2,344	361	482
Calcined	4,964	4,716	13,982
Magnesium	44	61	28
Carbonate	1,145	1,295	1,242
Chloride	3,675	2,464	1,302
Sulphate	2,925	1,480	820
Germany—			
Crude	9,389	14,113	10,968
Caustic	29,195	19,871	13,793
Dead-burnt	20,137	15,226	9,272
Carbonate	82	31	83
Sulphate	32	5	—
Hungary—			
Crude and calcined ..	9,482	6,018	5,336
Oxide	31	37	22
Sulphate	897	899	59

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italy—			
Caustic, impure	2,449	2,164	2,341
do. pure	1	2	1
Carbonate	25	12	24
Chloride	1,352	840	716
Sulphate	636	441	26
Latvia—			
Crude and calcined	157	134	132
Chloride	139	105	120
Sulphate	55	10	35
Lithuania—			
Crude and calcined	132	163	104
Salts.. ..	146	201	126
Netherlands—			
Crude	451	879	517
Magnesia	17,345	12,744	8,906
Sulphate	19,005	9,533	5,440
Norway—			
Calcined	1,174	777	473
Bricks	109	62	100
Chloride	938	1,050	320
Poland—			
Crude	3,309	3,061	1,585
Chloride	1,506	1,237	720
Oxide	6	2	6
Sulphate	4,187	2,238	839
Portugal—			
Calcined, etc.	3	175	71
Carbonate	11	8	15
Sulphate	415	455	505
Chloride	106	138	47
Roumania—			
Calcined	29	15	21
Chloride	98	64	62
Sulphate	614	419	391

(a) Information not available.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Spain (total imports)—			
Carbonate	147	85	92
Chloride and sulphate ..	1,351	735	243
Oxide	29	24	18
Sweden—			
Crude and calcined	2,006	1,497	1,203
Switzerland—			
Calcined	2,481	2,578	1,806
Yugoslavia—			
Calcined	1,825	1,579	1,042
Chloride and sulphate ..	705	823	394
Oxide and carbonate ..	108	92	75
Algeria—			
Sulphate	13	12	(a)
Egypt—			
Sulphate	719	278	395
Mexico—			
Calcined	—	35	(a)
Panama—			
Sulphate	14	1	(a)
United States—			
Crude and calcined	3,802	2,651	1,694
Dead-burnt	41,907	18,693	6,270
Oxide	175	188	187
Carbonate, precipitated ..	200	255	353
Chloride	893	589	245
Sulphate	3,607	4,225	4,307
Argentina—			
Calcined	82	84	92
Carbonate	87	76	80
Chloride	178	160	115
Sulphate and chlorate ..	395	504	387
Brazil (total imports)—			
Sulphate	631	917	859

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Chile—			
Crude	213	58	(a)
Chloride	103	105	113
Carbonate, etc.	7	4	4
Oxide	7	3	4
Sulphate	282	131	19
Colombia—			
Salts	135	(a)	(a)
Peru—			
Crude	1,528	495	301
Salts	32	40	46
Venezuela—			
Sulphate	38	31	47
French Indo-China—			
Calcined	31	15	5
Carbonate	3	2	1
Chloride	38	16	14
Sulphate	5	—	—
Japan—			
Crude	(b) 4,830	(c) 7,752	(c) 14,931
Magnesia (d)	14	2,555	1,705
Turkey—			
Crude	—	14	—
Salts	210	143	62

(a) Information not available.

(b) Excluding imports into Kobe (which include some dolomite) amounting to 2,799 long tons.

(c) Excluding imports into Yokohama and Tokyo (which include some dolomite) amounting to 6,758 and 5,932 long tons during 1931 and 1932 respectively.

(d) Some magnesia is included with crude magnesite.

MANGANESE

PRODUCTION OF MANGANESE ORE

(Long tons)

Producing Country	1930	1931	1932	Estimated Manganese Content		
				1930	1931	1932
BRITISH EMPIRE						
Gold Coast (exports)	417,490	247,191	50,689	217,000	128,000	26,000
Northern Rhodesia	873	1,467	—	430	700	—
Union of South Africa	144,994	100,290	—	66,700	47,157	—
Canada	244	104	—	(a)	(a)	—
India	829,946	537,844	212,604	415,000	269,000	106,000
Unfederated Malay States	20,696	8,683	9,278	(a)	(a)	(a)
Australia	125	13	106	(a)	(a)	(a)
Total	1,410,000	900,000	270,000			
FOREIGN COUNTRIES						
Austria (b)	(a)	(a)	(a)	25,176	11,298	6,480
Czechoslovakia ..	83,874	82,558	60,778	14,845	14,629	10,758
France	2,018	325	(a)	561	90	(a)
Germany	2,312	—	12	(a)	—	(a)
Greece	645	301	(a)	316	145	(a)
Hungary	8,946	1,114	1,473	3,600	450	590
Italy	10,465	6,320	372	3,659	2,242	120
Portugal	—	266	—	—	(a)	—
Roumania	32,998	18,490	(a)	13,800	7,800	(a)
Spain	16,553	17,633	1,594	5,000	5,400	500
Sweden	8,542	8,232	4,655	2,911	2,633	1,600
U.S.S.R. (Russia) ..	1,543,362	(a)	(a)	(a)	(a)	(a)
Yugoslavia	1,515	2,414	(a)	(a)	(a)	(a)
Egypt	119,297	100,174	322	38,200	32,100	203
Morocco (French zone)	15,907	11,320	4,000	(a)	(a)	(a)
Cuba	977	6,491	2,113	390	2,600	850
Porto Rico (exports)	2,536	2,374	2,302	1,250	1,166	1,102

PRODUCTION OF MANGANESE ORE—(Cont.)

Producing Country	1930	1931	1932	Estimated Manganese Content		
				1930	1931	1932
FOREIGN COUNTRIES —(Cont.)						
Mexico	720	(a)	(a)	297	(a)	(a)
United States (c) ..	67,035	39,242	17,777	30,300	16,000	8,000
Argentina	236	218	(a)	100	100	(a)
Brazil	159,478	142,731	19,979	75,000	67,000	9,500
Chile	6,040	377	441	2,847	170	200
China	70,700	24,000	(a)	35,000	12,000	(a)
Japan	(a)	2,871	(a)	(a)	1,400	(a)
Netherlands East Indies	16,426	14,311	8,156	8,500	7,700	4,400
Turkey	900	1,000	2,800	400	450	1,300
Total	2,200,000	(a)	(a)			
WORLD'S TOTAL..	3,600,000	(a)	(a)			

(a) Information not available.

(b) Manganese content of manganese ore and manganiferous iron ore.

(c) Shipments. Excluding ore containing 10 to under 35 per cent. Mn, which is included with iron ore, as follows :—

1930	..	..	..	77,417	long tons.
1931	..	..	..	64,062	” ”
1932	..	..	..	15,635	” ”

EXPORTS OF MANGANESE ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ferro-manganese and spiegeleisen	45,042	10,633	6,027
Gold Coast—			
Ore	417,490	247,191	50,689
Union of South Africa—			
Ore	47,235	103,250	3,054
Canada—			
Ore	—	—	89
Ferro-manganese and other ferro-alloys (e)	24,277	15,504	14,400
British India—			
Ore (b)	602,449	246,547	192,744
Ferruginous manganese ore	5,750	6,700	—
British Malaya (c)—			
Ore	20,696	8,946	9,278
Hong Kong (including re- exports)—			
Ore	(d)6,382	14,511	8,414
Australia (including re- exports)—			
Ore	80	—	2
New Zealand—			
Ore	2	(10 cwt.)	—
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore	186	2,848	17,436
France—			
Ore	4,904	4,878	4,945
Ferro-manganese	3,465	2,262	603
Manganese dioxide	53	27	14
Germany—			
Ore	1,668	1,543	1,539
Ferro-manganese	9,812	14,129	18,945
Hungary—			
Ore	91	168	—
Italy—			
Ore, including manganiferous iron ore	—	4	13
Ferro-manganese	1,348	559	403
Ferro-silicon-manganese ..	814	618	1,015
Netherlands—			
Ore	955	969	548

EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Norway—			
Ferro-manganese	47,092	31,523	34,933
Ferro-silicon-manganese ..	4,289	2,234	(a)
Poland—			
Ferro-manganese	1,319	1,587	193
Spain (including re-exports)—			
Ore	34,465	6,070	5,060
Sweden—			
Ore	184	116	97
Ferro-manganese and spie- geleisen	685	669	731
Ferro-silicon-manganese and ferro-silicon	13,823	10,616	8,808
U.S.S.R. (Russia)—			
Ore	742,289	729,991	394,596
Yugoslavia—			
Ore	98	491	49
Ferro-manganese	—	1,210	1,186
Algeria—			
Ore	1,558	490	678
Morocco—			
Ore	150	165	2,642
Cuba—			
Ore	2,114	6,491	2,113
United States—			
Ferro-manganese and spiegeleisen	6,189	1,306	33
Brazil—			
Ore	189,088	94,041	20,555
Chile—			
Ore	6,040	377	442
China—			
Ore	53,988	21,702	20,406
Japan—			
Ore	1,535	3,147	3,390
Netherlands East Indies—			
Ore	17,359	13,084	7,978
Portuguese India—			
Ore	4,019	2,355	(a)
Turkey—			
Ore	900	1,000	2,800

(a) Information not available.

(b) Excluding manganese ore mined in British India, but exported via the Portuguese port of Mormugao—1930, 170,577 tons—1931, 171,410 tons.

(c) Including re-exports.

(d) April-December only.

(e) Excluding ferro-silicon.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	216,301	78,104	78,452
Ferro-manganese and spiegeleisen	5,516	7,600	2,871
Union of South Africa—			
Ferro-manganese	548	609	625
Manganese dioxide	33	24	30
Canada—			
Ferro-alloys	3,700	2,708	284
Ore (oxide)	88,194	23,708	1,350
British Malaya (total imports)—			
Ore	49	278	3
Hong Kong (total imports)—			
Ore	(c)7,708	17,122	8,565
Australia—			
Ore	477	486	506
New Zealand—			
Ore	2	—	—
FOREIGN COUNTRIES			
Austria—			
Ore	70	232	118
Belgium-Luxemburg E.U.—			
Ore	255,543	238,298	151,210
Czechoslovakia—			
Ore	43,358	71,469	248
Denmark—			
Ore	1,554	1,608	1,325
Estonia—			
Ore	17	20	8

IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Finland—			
Ore	123	59	69
Ferro-manganese and spiegeleisen	242	198	331
France—			
Ore	703,759	475,122	342,813
Ferro-manganese	1,958	184	3
Manganese dioxide	221	63	607
Germany—			
Ore	330,482	159,797	105,093
Ferro-manganese	2,180	2,328	2,497
Hungary—			
Ore	49	25	98
Italy—			
Ore, including manganiferous iron ore	70,489	51,393	28,443
Ferro-manganese	23	217	217
Ferro-silicon-manganese	94	47	193
Spiegeleisen	—	251	19
Netherlands—			
Ore	2,716	29,863	11,023
Norway—			
Ore	170,957	99,247	20,136
Poland—			
Ore	35,952	39,166	7,700
Ferro-manganese	21	2,027	64
Manganese dioxide	123	309	381
Roumania—			
Manganese dioxide	190	213	112
Spain (total imports)—			
Ore	10,167	10,318	99
Ferro-manganese	3,906	503	3

(c) April to December only.

IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ore	405	302	265
Ferro-manganese and spiegeleisen	1,703	2,791	3,282
Ferro-silicon-manganese and ferro-silicon	208	85	47
U.S.S.R. (Russia)—			
Spiegeleisen, silico-spiegel, etc.	81	317	—
Yugoslavia—			
Ore	4,989	5,194	81
Ferro-manganese	1,184	162	105
Algeria—			
Ore	142	560	(a)
Mexico—			
Ferro-manganese	972	235	(a)
United States—			
Ore (<i>Mn content</i>)	278,070	245,910	53,553
Spiegeleisen	13,406	9,482	8,364
Ferro-manganese and other Mn alloys (<i>Mn content</i>) (b)	38,452	17,764	14,586
Argentina—			
Dioxide and borate of manganese	76	240	330
China—			
Ore	(a)	(a)	210
Ferro-manganese	(a)	(a)	44
Japan (total imports)—			
Ore	82,316	8,839	42,141
Ferro-manganese	2,097	904	197

(a) Information not available.

(b) Total imports.

MICA

PRODUCTION OF MICA
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Nigeria	(8 cwt.)	(17 cwt.)	(17 cwt.)
Northern Rhodesia	4	1	—
Southern Rhodesia	162	66	13
Tanganyika Territory	21	9	12
Union of South Africa (b)	878	843	242
Canada—			
Rough cobbled	20	—	—
Thumb trimmed	4	22	1
Splittings	34	17	2
Scrap	987	1,156	274
Ceylon (exports)	—	2	2
India (exports)—			
Sheet	741	414	335
Splittings	3,404	2,235	2,016
Australia	26	29	30
FOREIGN COUNTRIES			
Norway	48	15	31
Sweden	72	64	(a)
Madagascar—			
Muscovite	20	14	(a)
Phlogopite, etc.	322	217	(a)
United States (sales)—			
Sheets (uncut)	654	430	151
Scrap	6,011	5,912	6,286
Argentina	98	51	(a)
Brazil (exports)	51	54	41
Korea	28	17	(a)
Guatemala (c)	(8 cwt.)	—	—

NOTE.—1,469 long tons of mica were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) Nearly all scrap.

(c) Imports into the United States from Guatemala.

The following amounts of lithia mica were produced :—

	1930	1931	1932	
South West Africa ..	250	100	—	long tons.
Czechoslovakia ..	30	7	(a)	„ „
Germany	773	404	(a)	„ „
Portugal	269	564	2,014	„ „

EXPORTS OF MICA
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Sheet and splittings	8	2	2
Kenya	—	(£5)	(£2)
Southern Rhodesia	207	75	10
Tanganyika Territory	21	9	12
Union of South Africa	—	517	237
Canada—			
Rough, cobbled and thumb- trimmed	1	21	1
Splittings	35	17	44
Scrap and waste	928	1,100	268
British India—			
Sheet	741	414	335
Splittings	3,404	2,235	2,016
Ceylon	—	2	2
FOREIGN COUNTRIES			
Austria	5	29	118
Belgium-Luxemburg E.U.—			
Sheet and plate	3	62	55
France—			
Unmanufactured	207	193	140
Sheet, plate and manufactures	71	24	22
Germany—			
Unmanufactured	75	56	40
Italy	5	1	1
Norway—			
Sheet	1	3	1
Scrap	51	45	100
Switzerland (including asbestos)	8	9	30
U.S.S.R. (Russia)	220	—	—
Madagascar—			
Muscovite	19	2	—
Phlogopite, etc. . . .	371	117	128
United States (including manu- factured)	2,113	2,339	1,383
Argentina	60	33	17
Brazil	51	54	41

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Sheet and splittings	998	704	905
Ground	963	625	325
Union of South Africa—			
Micanite sheets	(£1,038)	(£1,103)	(£520)
Newfoundland (years ended June 30)	(£28)	(£32)	(£2)
British India (total imports)—			
Sheet	31	21	7
Splittings	19	13	2
Australia	—	(8 cwt.)	(2 cwt.)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	65	11	14
Sheet	26	15	11
Belgium-Luxemburg E.U.—			
Crude sheet and plate	144	145	100
Cut sheet and plate	31	16	11
Denmark	130	107	84
France—			
Unmanufactured	1,127	466	176
Sheet, plate and manufactures	51	51	35
Germany—			
Unmanufactured	610	341	388
Italy—			
Unmanufactured and sheet ..	268	236	168
Netherlands	39	33	22
Poland	27	29	37
Roumania—			
Crude, sheet and manufactures	2	3	1
Spain (total imports)—			
Sheet	9	21	9
Switzerland (including asbestos)	800	1,135	584
U.S.S.R. (Russia)	32	30	37
United States (total imports)—(b)			
Unmanufactured	2,034	2,040	1,320
Cut, splittings and manufactures	1,246	545	461
Chile	3	1	—

(b) Re-exports of mica and manufactures were 39, 31 and 11 tons in 1930, 1931 and 1932 respectively.

MOLYBDENUM

PRODUCTION OF MOLYBDENUM ORE

(In cwt. of concentrates)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Canada (<i>MoS₂ content</i>) ..	—	11	—
Australia	105	11	102
FOREIGN COUNTRIES			
Austria	5	—	—
Norway (<i>MoS₂ content</i>) ..	4,193	4,390	5,181
French Morocco (ore) ..	200	—	—
Mexico	—	112	108
United States (<i>MoS₂ content</i>)	55,402	46,616	39,804
China	100	(a)	(a)
Korea	520	433	(a)

(a) Information not available.

EXPORTS OF MOLYBDENUM ORE, ETC.
(Domestic Produce)
(Cwt.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
Canada—			
Ore (<i>Mo content</i>)	180	—	11
Australia (including re-exports)—			
Ore	26	125	68
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	2	102	152
Norway—			
Ore	6,548	4,516	7,259
Morocco—			
Ore	16	91	(<i>a</i>)
Mexico—			
Concentrates	—	112	(<i>a</i>)
United States	(<i>b</i>)	(<i>b</i>)	(<i>b</i>)
Peru—			
Ores (<i>Mo content</i>)	—	105	(<i>a</i>)

(*a*) Information not available.

(*b*) Exports not separately recorded in the trade returns of the United States.

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

Importing Country and Description.	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	6,715	11,498	9,829
Canada—			
Calcium molybdate	—	306	127
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	55	43	37
Italy—			
Ferro-molybdenum	1,559	1,500	551
United States—			
<i>Mo content of—</i>			
Ferro-molybdenum, etc. ..	1,294	1,882	—
U.S.S.R. (Russia)—			
Ferro-molybdenum	6,040	13,000	11,640

MONAZITE**PRODUCTION OF MONAZITE**

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
India	14	90	654
FOREIGN COUNTRIES			
Brazil (exports)	15	—	295

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

Exporting Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom—				
Thorium nitrate	Cwt.	—	1	4
Gas mantles	Gross	20,359	16,144	21,010
British Malaya (including re- exports)—				
Gas mantles	Gross	113	130	58
FOREIGN COUNTRIES				
Austria—				
Gas mantles	Cwt.	55	32	24
Belgium-Luxemburg E.U.—				
Gas mantles	Cwt.	108	73	6
France—				
Thorium nitrate and other rare-earth salts	Cwt.	30	193	697
Gas mantles	Gross	1,951	2,014	1,688
Germany—				
Gas mantles	Gross	104,899	75,514	61,313
Italy—				
Gas mantles	Gross	2,500	2,165	—
Netherlands—				
Gas mantles	Gross	67	31	63
Sweden—				
Gas mantles	Cwt.	87	38	68
United States—				
Gas mantles	Gross	18,686	15,787	12,004
Brazil—				
Monazite sand	Long ton	15	—	295

NOTE.—Where the quantity of gas mantles is returned by weight, the figure given is intended to represent weight of gas mantles, exclusive of packing, etc.

IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom—				
Monazite sand	Long ton	(b) 1	148	202
Thorium nitrate	Cwt.	356	349	432
Gas mantles	Gross	7,854	13,874	1,538
Irish Free State—				
Gas mantles	Gross	3,311	3,285	3,615
Canada—				
Thorium nitrate, etc.	£	1,153	827	1,486
British India (total imports)—				
Gas mantles	£	43,378	37,000	61,453
British Malaya (total imports)—				
Gas mantles	Gross	3,286	2,667	4,040
Ceylon—				
Gas mantles	Gross	1,327	942	798
Australia—				
Gas mantles	Gross	7,271	5,623	5,491
FOREIGN COUNTRIES				
Austria—				
Gas mantles	Cwt.	14	4	—
Belgium-Luxemburg E.U.—				
Gas mantles	Cwt.	173	128	43
Estonia—				
Gas mantles	Gross	207	109	199
France—				
Thorium nitrate and other rare-earth salts	Cwt.	37	10	16
Gas mantles	Gross	736	1,007	993
Germany—				
Monazite sand	Long ton	123	97	2
Gas mantles	Gross	111	444	83
Hungary—				
Gas mantles	Cwt.	14	14	12
Italy—				
Gas mantles	Gross	63	92	83
Thorium and cerium salts	Cwt.	30	18	15
Netherlands—				
Gas mantles	Gross	8,740	7,654	6,513
Norway—				
Gas mantles	Cwt.	21	17	18

IMPORTS OF MONAZITE, ETC. (Cont.)

Importing Country and Description	Unit.	1930	1931	1932
FOREIGN COUNTRIES (Cont.)				
Poland—				
Gas mantles	Cwt.	24	18	26
Portugal—				
Gas mantles	Cwt.	25	29	11
Sweden—				
Gas mantles	do.	2	3	—
Switzerland—				
Gas mantles	Cwt.	7	9	6
Yugoslavia—				
Gas mantles	Cwt.	33	16	14
Egypt—				
Gas mantles	£	16,141	11,645	16,733
United States—				
Monazite sand and thorite ..	Long ton	(a)	1,516	1,401
Thorium nitrate	Cwt.	36	—	—
Gas mantles	Gross	4,087	1,513	—
Brazil (total imports)—				
Gas mantles	Cwt.	15	10	9
Turkey—				
Thorium salts	Cwt.	—	8	—
Gas mantles	Cwt.	2	2	1

NOTE.—Where the quantity of gas mantles is returned by weight, the figure given is intended to represent weight of gas mantles, exclusive of packing, etc.

(a) Information not available.

(b) Excess of re-exports.

NICKEL

PRODUCTION OF NICKEL ORE

(In terms of metal)

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Canada	46,325	29,315	13,539
India (b)	951	804	713
Australia	118	(1 cwt.)	(11 cwt.)
Total	47,400	30,100	14,300
FOREIGN COUNTRIES			
Greece	—	638	(a)
Norway	862	523	959
United States (d)	275	333	174
New Caledonia (c)	4,800	3,800	2,600
Total	5,900	5,300	4,300
WORLD'S TOTAL	53,300	35,400	18,600

(a) Information not available.

(b) Nickel content of speiss obtained as a by-product in smelting operations.

(c) Estimated content of matte and ferro-nickel obtained at smelters. Content of ores mined was as follows:—

1931 7,318 long tons.

1932 4,958 „ „

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

EXPORTS OF NICKEL
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc. ..	4,318	4,135	3,137
Plates, sheets and anodes..	201	154	101
Ingots, sheets, etc. (alloys)	772	393	430
Nickel oxide.. .. .	9	6	11
Canada—			
Ore, matte, etc. (<i>Ni content</i>)	20,040	14,861	6,772
Nickel, fine	19,251	12,113	6,770
Nickel oxide (<i>Ni content</i>) ..	1,667	1,388	776
Australia (years ended June 30)			
Ores and concentrates (<i>Ni content</i>)	377	3	—
Hong Kong (including re-exports)—			
Nickel	—	16	8
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys ..	309	422	198
Sheets, tubes, etc. and alloys	1,541	1,214	132
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc.	265	318	30
Sheets, wire, etc.	1,725	1,963	2,007
Bulgaria—			
Ore, including zinc ore ..	506	—	(a)
Czechoslovakia—			
Crude and scrap	8	5	4
Denmark—			
Sheets, rods, wire and alloys	6	4	3

(a) Information not available.

EXPORTS OF NICKEL (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
France—			
Ore	26	37	1
Matte and speiss	24	374	230
Ingots	378	341	271
do. (alloys)	11	37	33
Sheets and wire	19	11	15
do. (alloys)	120	97	90
Nickel sulphate and oxide..	46	38	87
Germany—			
Nickel and chrome ores ..	624	387	517
Crude, scrap and coin ..	1,835	2,329	2,843
Bars, sheets, wire, etc. ..	390	311	267
Hungary—			
Crude, scrap and alloys ..	2	6	13
Bars and wire	2	1	1
Italy—			
Sheets, tubes, wire and alloys	197	69	185
Scrap	272	155	205
Netherlands—			
Crude and scrap	64	52	79
Norway—			
Ingots	697	2,250	4,024
Sweden—			
Crude	—	4	1
Switzerland—			
Crude, scrap, and alloys ..	309	201	199
Bars, sheets, etc., and alloys	498	357	462
United States—			
Nickel and alloys.. .. .	1,268	793	919
Nickel-silver bars, etc. ..	501	183	106
French Indo-China—			
Nickel and alloys	99	—	—
New Caledonia—			
Ore	25	5	47
Matte, etc.	6,637	5,447	3,853

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore and matte (b)	18	—	—
Cubes, rondels, etc. ..	607	667	732
Plates, sheets and anodes	114	198	78
Ingots, sheets, etc. (alloys)	1,014	483	782
Nickel oxide	56	42	29
Irish Free State—			
Nickel, alloys and manu- factures	223	173	152
Union of South Africa—			
Sulphate	3	1	5
Canada—			
Ingots or blocks and alloys	17	16	3
Bars, rods, sheets, etc. ..	500	275	202
do. (alloys)	100	58	35
British India (total imports)—			
Nickel-silver	958	677	747
Hong Kong (total imports)—			
Nickel	(c)1	26	—
Australia—			
Ingots, sheets, scrap, etc.	24	10	50
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys ..	2,105	1,165	358
Sheets, tubes, etc., and alloys	45	24	7
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc.	2,383	7,707	6,682
Sheets, wire, etc.	288	114	87
Czechoslovakia—			
Crude and scrap	480	405	276
Plates and sheets	256	177	98
Denmark—			
Crude and scrap	19	19	20
Bars, sheets, wire and alloys	161	122	91

(b) Canada records exports to the United Kingdom of nickel contained in ore, matte or speiss as follows:—1930, 13,825 long tons; 1931, 10,327 long tons; 1932, 2,928 long tons.

(c) April–December only.

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Finland—			
Crude and scrap	3	3	1
France—			
Ore	3,041	2	19
Matte and speiss	2,597	2,722	1,945
Ingots	1,126	1,438	976
do. (alloys)	37	71	129
Sheets and wire	353	285	226
do. (alloys)	748	774	725
Nickel sulphate and oxide	841	926	687
Germany—			
Ore	11,624	19,280	17,419
Crude, scrap and coin ..	2,609	2,558	2,287
Bars, sheets, wire, etc. ..	295	201	120
Greece	3	2	2
Hungary—			
Crude, scrap and alloys ..	71	79	34
Bars and wire	34	41	47
Italy—			
Ingots, scrap and alloys ..	1,611	1,284	936
Sheets, tubes, wire, etc., and alloys	160	178	93
Netherlands—			
Crude and scrap	99	60	62
Norway—			
Ore	15	—	—
Matte (copper-nickel) ..	2,051	3,485	4,329
Poland—			
Ingots, sheets, scrap, etc. ..	274	103	161
Portugal	3	3	1
Roumania—			
Crude, sheets and wire ..	13	10	7
Spain (total imports)—			
Ingots and cubes	200	143	306
Sheets, tubes, wire and alloys	139	55	60
Sweden—			
Crude	491	605	439
Switzerland—			
Crude, scrap, and alloys ..	582	342	361
Bars, sheets, etc., and alloys	366	304	243

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
U.S.S.R. (Russia)—			
Ingots, sheets, etc.	2,861	3,780	3,896
Yugoslavia—			
Crude, scrap and coin	2	3	5
Bars, sheets, wire, etc.	9	19	7
Algeria—			
Sheets, wire and alloys	9	5	(a)
Egypt (total exports)—			
Crude, bars, sheet, etc	13	18	17
United States—			
Ore and matte	9,193	5,192	2,642
Crude, etc., and alloys	17,108	10,653	6,662
Nickel oxide	604	136	307
Argentina—			
Sheets	6	5	7
Brazil (total imports)—			
Cubes and sheets	51	4	33
Chile—			
Bars and plates	43	11	1
China	56	79	32
French Indo-China	2	6	2
Japan (total imports)—			
Ingots and grains	515	765	1,711
Other nickel	19	34	104
Netherlands East Indies—			
Crude, etc., and alloys	2	4	(a)
Philippine Islands	3	2	2
Siam	9	10	1
Turkey—			
Nickel and alloys	1	7	7

(a) Information not available.

NITROGEN COMPOUNDS

PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
India— Nitrate of potash (estimated)	4,600	7,000	9,000
FOREIGN COUNTRIES			
Spain— Nitrified earth	900	(a)	(a)
Egypt— Nitrate shale (5% nitrate) (b)	1,634	2,603	1,556
Chile— Nitrate of soda	2,407,205	1,107,900	682,700
China— Nitrified earth	5,300	5,350	5,100

(a) Information not available.

(b) One company only.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS.*

(Long tons)

Producing country and Description	1930	1931	1932
BRITISH EMPIRE			
Great Britain— Ammonium salts expressed as sulphate (25½% NH ₃) (b)	777,090	646,629	765,394
Irish Free State— Ammonium sulphate ..	5,500	1,962	2,000
Union of South Africa— Ammonium sulphate ..	215	583	228
Canada— Ammonium sulphate ..	21,333	25,316	52,345
Ammonium phosphate ..	—	3,462	(a)
Cyanamide	147,782	(a)	(a)
India— Ammonium sulphate ..	16,131	12,133	9,474
Australia (years ended June 30)— New South Wales— Ammonium sulphate ..	7,096	8,169	(a)
Victoria— Ammonium sulphate ..	965	1,875	(a)
South Australia— Ammonium sulphate ..	761	873	(a)
Tasmania— Ammonium sulphate ..	63	76	(a)

* Includes by-product ammonium sulphate which is separately recorded on pages 86-90 as far as available.

(a) Information not available.

(b) Actual ammonium sulphate production (basis 25½% NH₃) was:—

1930	671,000 long tons.
1931	514,000 " "
1932	612,000 " "

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS
(Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Austria—			
Ammonium sulphate ..	6,942	6,310	6,336
Ammonium carbonate ..	(a)	110	110
Aqueous ammonia	(a)	690	(a)
Ammonia liquor	(a)	180	219
Belgium—			
Ammonium sulphate ..	164,378	248,000	251,000
Czechoslovakia—			
Ammonium sulphate ..	(c) 78,587	44,125	(a)
Cyanamide	(c) 28,203	16,218	(a)
"Ostrava" nitrate	—	32,781	(a)
Denmark—			
Ammonium sulphate ..	2,900	2,900	(a)
Finland—			
Ammonium sulphate ..	144	137	(a)
France—			
Saar—			
Ammonium sulphate ..	28,705	21,014	(a)
Other districts—			
Ammonium sulphate ..	357,000	327,942	363,808
Cyanamide	68,600	41,000	46,113
Nitrate of soda	3,000	2,000	5,564
Nitrate of lime	59,000	51,694	63,772
Ammonium sulphate			
nitrate	4,500	(a)	(a)
Amonitre	1,940	4,865	17,338
Nitropotasse	980	8,711	6,138
Other nitrogen fertilizers	7,400	12,665	—
Germany—			
Ammonium sulphate (b) ..	1,900,000	(a)	(a)
Cyanamide	500,460	287,429	(a)
Ammonia products—			
Gas-works	31,300	(a)	} (a)
Coke-ovens	448,700	331,400	
Tar distillation	11,200	11,800	
Ammonium sulphate—			
By-product of brown coal, shale and peat carboni- zation	3,500	(a)	(a)

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS
(Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Ammonium sulphate ..	995	1,100	(a)
Ammonium chloride ..	350	(a)	(a)
Anhydrous ammonia ..	36	300	(a)
Aqueous ammonia	350	337	(a)
Italy—			
Ammonium sulphate ..	138,724	136,224	(a)
Cyanamide	100,673	86,657	(a)
Nitrate of lime	38,351	25,964	(a)
Nitrate of ammonia ..	10,807	6,834	(a)
Ammonium sulphate nitrate	580	573	(a)
Di-ammonium phosphate ..	4,211	5,625	(a)
Netherlands—			
Ammonium sulphate ..	148,000	378,817	416,000
Norway (years ended June 30)—			
Cyanamide	49,009	18,623	(a)
Nitrate of ammonia ..	7,215	3,001	(a)
Nitrate of lime	443,760	389,325	(a)
Nitrate of soda	36,892	26,361	(a)
Ammonia	(a)	93	(a)
Nitrate of lime and magnesia	—	209	(a)
Nitamonkalk	909	2,857	(a)
Nitammonfos	514	—	(a)
Poland—			
Ammonium sulphate ..	72,546	56,526	50,955
Ammonium chloride ..	—	170	(a)
Ammonium carbonate ..	—	100	(a)
“Wapnamon”	—	1,950	2,050
Cyanamide	82,786	35,200	8,479
Nitrate of soda	7,256	8,297	6,932
Saletrzak	9,457	40,093	36,669
Nitrophos	50,171	5,659	6,816
Nitrate of ammonia ..	8,232	4,648	2,310
Nitrate of lime	312	31,139	30,976
Roumania—			
Ammonium sulphate ..	6	20	(a)
Cyanamide	5,946	868	(a)

(a) Information not available.

(b) The production from ammonia and sulphuric acid is estimated as follows:—

1930	752,450 long tons
1931	535,000 „ „

Synthetic ammonium sulphate is also made from ammonium carbonate and gypsum.

(c) Year ended 31st January, 1931.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS
(Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Spain—			
Ammonium sulphate ..	17,908	(a)	(a)
Sweden—			
Ammonium sulphate ..	18,541	12,000	(a)
Cyanamide	20,523	16,042	(a)
Switzerland—			
Ammonium sulphate ..	300	200	(a)
Cyanamide	15,000	(a)	(a)
U.S.S.R. (Russia) (years ended Sept. 30)—			
Ammonium sulphate ..	9,731	(a)	(a)
Yugoslavia (exports)—			
Cyanamide	9,284	6,037	9,761
United States—			
Sulphate equivalent of ammonia produced (by- product)	712,500	499,000	318,600
do. (synthetic) ..	572,500	260,000	386,000
China (years ended March 30 following)—			
Ammonium sulphate ..	22,000	3,200	(a)
Japan—			
Ammonium sulphate ..	261,573	374,720	457,000
Cyanamide (c)	144,658	141,000	(a)
Aqueous ammonia (10%) ..	755	(a)	(a)
Do. do. (38%) ..	79	(a)	(a)
Korea—			
Ammonium sulphate ..	140,000	217,812	210,000

(a) Information not available.

(c) It is probable some of this is converted into ammonium sulphate, and is recorded as such.

ESTIMATED WORLD PRODUCTION AND CONSUMPTION OF NITROGEN.

*(In terms of pure Nitrogen)**(Long tons)*

Production	1930	1931	1932
By-product sulphate of ammonia	392,000	313,000	} (a)
Synthetic sulphate of ammonia	396,000	434,000	
Cyanamide	232,000	168,000	
Nitrate of lime	121,000	95,000	
Other forms of synthetic nitrogen (b)	410,000	373,000	
Other forms of by-product nitrogen (b)	41,000	31,000	
Chilean nitrate of soda	357,000	210,000	
Total production ..	1,949,000	1,624,000	(a)
Consumption.			
Manufactured nitrogen ..	1,482,000	1,399,000	(a)
Chilean nitrate of soda ..	304,000	191,000	(a)
Total consumption ..	1,786,000	1,590,000	(a)
Agricultural consumption about	1,603,000	1,432,000	(a)

Note.—Fertilizers are included in this table under the final form as sold.

(a) Information not available.

(b) Including nitrogen products used for industrial purposes, also ammonia in mixed fertilizers.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	580	717	994
Nitrate of soda	216	6,320	22,266
Nitrate of lime	24	22	6
Ammonium sulphate	557,930	401,897	419,871
Ammonium chloride	4,079	4,740	4,271
Canada—			
Ammonium sulphate	10,724	5,024	34,590
British India—			
Nitrate of potash	3,827	6,156	8,289
Ammonium sulphate	4,850	3,051	303
British Malaya (including re-exports)—			
Nitrate of potash	217	114	185
Hong Kong (including re-exports)—			
Nitrate of potash	(c)80	112	72
Ammonium sulphate	(c)84,508	89,586	72,868
Ammonium chloride	(c)2	21	52
Anhydrous ammonia	(c)—	2	6
Australia (including re-exports)—			
Nitrate of soda	2	4	—
Ammonium sulphate	67	210	1
New Zealand—			
Liquid ammonia (b)	(£317)	(£81)	(£127)
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash	226	246	305
Ammonium sulphate	1,412	1,049	44
Liquid ammonia	7	10	9

EXPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Belgium-Luxemburg E.U.—			
Nitrate of potash	117	15	264
Nitrate of soda	2,481	14,183	7,512
Nitrate of lime	60	272	2,221
Ammonium sulphate	79,267	173,131	159,241
Ammonium chloride	253	381	86
Ammonium nitrate	93	70	404
Cyanamide	650	1,972	177
Liquid ammonia	225	171	177
Czechoslovakia—			
Nitrate of potash	104	85	24
Nitrate of soda	13	2	36
Ammonium sulphate	16,100	3,810	1,778
Ammonium chloride	620	95	83
Liquid ammonia	—	14	2
Denmark—			
Ammonium sulphate	334	—	—
France—			
Nitrate of potash—			
Natural	113	333	485
Synthetic	3,988	3,215	1,732
Nitrate of soda	2,022	1,998	881
Nitrate of lime	2,295	1,084	2,987
Ammonium nitrate	39	103	280
Ammonium sulphate	8,122	15,177	14,695
Cyanamide	1,223	580	346
Liquid ammonia	86	114	241
Germany—			
Nitrate of potash	25,590	35,675	27,982
Nitrate of soda	64,167	51,075	155,330
Nitrate of lime, etc.	(a)	(a)	4,346
Ammonium sulphate	456,360	654,428	380,435
Ammonium chloride	21,291	22,439	11,274
Ammonium nitrate, etc.	9,559	7,148	1,978
Cyanamide	6,253	373	62
Liquid ammonia	5,371	2,059	1,114

(a) Information not available.

(b) £ New Zealand.

(c) April to December only.

EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Nitrates of lime and soda ..	—	33	23
Ammonium sulphate and nitrate	585	498	552
Liquid ammonia	21	16	13
Italy—			
Nitrate of potash	1	3	1
Nitrate of soda	44	21	11
Nitrate of lime	5	16	381
Ammonium nitrate	86	1,106	8
Ammonium sulphate	16,397	22,521	33,414
Cyanamide	10	48	17
Liquid ammonia	5	6	20
Netherlands—			
Nitrate of potash	976	295	115
Nitrate of soda	1,876	1,216	8,615
Nitrate of lime	158	52	167
Ammonium sulphate	90,342	250,663	353,850
Ammonium chloride	18	14	9
Ammonium nitrate	41	1	5
Cyanamide	927	133	169
Norway—			
Nitrate of soda	27,612	18,363	62,557
Nitrate of lime	360,848	287,095	307,088
Ammonium nitrate	4,549	2,294	1,895
Cyanamide	47,743	14,265	23,801
Poland—			
Nitrate of potash	—	1	—
Nitrate of soda	2	100	1
Nitrate of lime	20	1,768	6,224
Ammonium chloride	—	83	819
Ammonium sulphate	55,477	38,333	49,259
Cyanamide	4,935	2,640	1,434
Liquid ammonia	23	—	—
Roumania—			
Ammonium chloride	68	25	—
Cyanamide	(b)4,853	1,316	—
Sweden—			
Nitrates of potash, soda and lime	7	15	3
Ammonium sulphate	1,491	1,723	1,285
Liquid ammonia	37	25	42
Ammonium nitrate	—	40	3

EXPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland—			
Nitrate of potash (crude) ..	500	15,273	17,786
Nitrates of potash and soda (purified)	6,936	3,677	1,483
Ammonium sulphate, etc...	313	1,586	4
Yugoslavia—			
Nitrate of soda	54	58	—
Cyanamide	9,284	6,037	9,761
Algeria—			
Ammonium sulphate ..	40	16	(a)
United States—			
Ammonium sulphate ..	81,662	66,902	14,742
Other nitrogen fertilizers ..	25,552	71,712	175,908
Chile—			
Nitrate of soda	1,757,525	1,431,638	239,547
China—			
Ammonium sulphate ..	5,204	11,669	4,887

(a) Information not available.

(b) Including other nitrogen compounds.

IMPORTS OF NITROGEN COMPOUNDS

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	5,057	4,294	5,428
Nitrate of soda	44,512	76,823	9,062
Nitrate of lime	3,671	3,434	1,048
Ammonium sulphate	1,994	9,085	5,051
Ammonium chloride	2,714	3,796	710
Irish Free State—			
Nitrate of potash	149	165	183
Nitrate of soda	459	1,219	1,220
Ammonium sulphate	21,759	18,084	29,884
Mauritius—			
Nitrate of potash	4,918	2,484	2,897
Nitrate of soda	838	1,896	—
Ammonium sulphate	7,302	5,734	7,949
Northern Rhodesia—			
Nitrates	2	22	86
Nyasaland—			
Nitrates	46	163	(a)
Southern Rhodesia—			
Nitrate of potash	15	12	45
Union of South Africa—			
Nitrate of potash	125	137	168
Nitrate of soda	16,535	19,661	14,677
Ammonium sulphate	2,217	2,026	5,857
Ammonium chloride	34	20	25
Liquid ammonia (gallons) ..	13,635	9,967	5,634
Canada—			
Nitrate of potash	422	935	1
Nitrate of soda	28,401	13,616	16,548
Ammonium sulphate	3,056	11,455	12,331
Ammonium chloride	1,313	876	714
Barbados—			
Nitrate of soda	105	22	(a)
Ammonium sulphate	5,323	5,372	(a)

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
British India (total imports)—			
Nitrate of soda	4,237	1,238	1,767
Ammonium sulphate	21,859	14,996	32,640
British Malaya (total imports)—			
Nitrate of potash	290	139	224
Ceylon—			
Nitrate of potash refuse	2,820	2,942	1,974
Nitrate of soda	3,656	1,599	—
Ammonium sulphate	16,128	12,595	13,426
Cyprus—			
Ammonium chloride	3	7	—
Hong Kong (total imports)—			
Nitrate of potash	(b) 693	1,160	751
Ammonium sulphate	(b) 108,642	86,270	83,181
Ammonium chloride	(b) 5	56	147
Anhydrous ammonia	(b) 10	31	27
Australia—			
Nitrate of potash	1,042	480	411
Nitrate of soda	5,351	161	1,818
Ammonium chloride	12,695	3,179	779
Ammonium sulphate	786	393	15,168
New Zealand—			
Nitrate of potash	64	77	77
Nitrate of soda	1,854	670	1,720
Ammonium sulphate	8,244	4,845	6,234
Ammonium chloride	50	35	41
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash	10	26	1
Nitrate of soda	2,983	2,925	1,540
Nitrate of lime	5,429	5,922	9,391
Nitrophoska	3,402	4,097	2,792
Cyanamide	10,370	9,099	7,495
Ammonium nitrate	995	885	432
Ammonium sulphate	323	345	486
Ammonium chloride	198	176	143
Liquid ammonia	15	18	6
"Leuna" nitrate	1,471	1,039	664

(a) Information not available.

(b) April–December only.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Nitrate of potash	1,695	2,304	1,908
Nitrate of soda	140,378	171,871	14,921
Nitrate of lime	13,500	28,501	12,706
Cyanamide	31,355	20,105	16,772
Ammonium sulphate	36,040	69,549	10,745
Ammonium chloride	1,124	1,137	1,133
Liquid ammonia	32	10	1
Ammonium nitrate.. ..	2,398	962	576
Bulgaria—			
Nitrate of potash	153	108	93
Nitrate of soda	72	17	1
Ammonium nitrate	270	174	163
Ammonium chloride	61	88	112
Liquid ammonia	24	25	6
Czechoslovakia—			
Nitrate of potash	52	47	2
Nitrate of soda	18,631	5,777	7,360
Nitrate of lime	16,278	6,933	30
Ammonium sulphate	119	4	9
Ammonium chloride	54	11	12
Cyanamide, etc.	21	34	29
Liquid ammonia	1	—	2
Denmark—			
Nitrate of potash	1,491	1,678	1,674
Nitrate of soda	45,131	25,175	37,859
Nitrate of lime	129,650	58,312	76,293
Ammonium sulphate	37,038	44,490	52,520
Ammonium chloride	446	420	383
Cyanamide	1,409	812	939
Estonia—			
Nitrate of potash	16	21	21
Nitrate of soda	2,052	546	590
Nitrate of lime	—	516	702
Ammonium sulphate	199	217	424
Ammonium chloride	21	8	12
Cyanamide	149	—	—
Liquid ammonia	—	20	—
Nitrophoska.. ..	(a)	277	208

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Finland—			
Nitrate of potash	35	50	40
Nitrate of soda	339	974	209
Nitrate of lime	17,255	12,120	9,666
Ammonium nitrate	342	226	276
Ammonium sulphate	156	135	1,299
Ammonium chloride	20	16	21
Liquid ammonia	19	18	37
France—			
Nitrate of potash—			
Natural	16	3	—
Synthetic	194	176	9
Nitrate of soda	276,205	368,143	299,408
Nitrate of lime	27,887	31,363	7,680
Ammonium nitrate	717	1,223	429
Ammonium sulphate	81,984	20,152	4,931
Cyanamide	18,713	4,850	30
Liquid ammonia	51	29	22
Germany—			
Nitrate of potash	66	12	—
Nitrate of soda	78,484	70,953	54,342
Nitrate of lime, etc.	(a)	1,340	—
Ammonium sulphate	44,054	53,021	11,414
Ammonium chloride	108	81	4
Ammonium nitrate, etc.	413	285	9,362
Cyanamide	76	29	3
Liquid ammonia	501	603	151
Greece—			
Nitrate of potash	155	132	75
Nitrate of soda	3,399	5,562	678
Hungary—			
Nitrates of lime and soda	1,217	361	104
Ammonium sulphate and nitrate	1,389	736	45
Cyanamide	4,773	1,311	42
Liquid ammonia	60	70	84
Iceland—			
Nitrate of potash	8	} (a)	(a)
Nitrate of soda	12		
Nitrate of lime	1,831		
Nitrophoska	1,156		
Ammonium nitrate	12		
Cyanamide	15		

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Italy—			
Nitrate of potash	1,720	2,496	1,060
Nitrate of soda	78,700	55,481	29,262
Nitrate of lime	20,130	362	—
Ammonium sulphate	20,809	5,697	306
Ammonium chloride	582	481	353
Ammonium nitrate.. ..	119	53	—
Cyanamide	10,696	69	3,882
Liquid ammonia	59	1	1
Latvia—			
Nitrate of potash	26	37	41
Nitrate of soda	1,678	2,901	1,519
Nitrate of lime	1,471	2,216	1,683
Nitrophoska.	539	1,087	888
Ammonium sulphate	251	1,088	833
Ammonium chloride	25	20	16
Lithuania—			
Nitrate of potash	35	92	100
Nitrate of soda	2,036	1,485	732
Nitrate of lime	367	285	897
" Leuna " nitrate	955	220	24
Nitrophoska.	324	57	3
Ammonium sulphate	673	1,075	905
Netherlands—			
Nitrate of potash	1,503	1,435	1,363
Nitrate of soda	60,397	48,945	26,788
Nitrate of lime	71,969	71,344	13,744
Ammonium sulphate	30,235	169,888	137,696
Ammonium chloride	342	281	386
Ammonium nitrate	15,215	5,639	6,497
Cyanamide	8,789	7,948	11,284
Norway—			
Nitrate of potash	153	117	94
Nitrate of soda	79	111	38
Nitrophoska	2,363	2,616	873
Ammonium sulphate	279	229	204
Poland—			
Nitrate of potash	412	474	197
Nitrate of soda	29,077	658	88
Nitrate of lime	47,629	280	—
Ammonium sulphate	15	319	2,125
Ammonium chloride	146	84	19
Liquid ammonia	10	3	1

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Nitrate of potash	364	229	281
Nitrate of soda	4,716	3,695	2,550
Nitrate of lime	99	194	30
Ammonium sulphate	24,018	24,839	38,140
Ammonium chloride	11	16	28
Ammonium nitrate	—	49	—
Cyanamide	1,696	1,361	1,882
Roumania—			
Nitrate of potash	149	53	44
Nitrate of soda	796	135	235
Ammonium nitrate	168	208	161
Ammonium sulphate	151	100	253
Ammonium chloride	182	264	260
Liquid ammonia	94	70	100
Cyanamide, etc.	43	—	—
Spain (total imports)—			
Nitrate of soda (Chilean) ..	46,094	101,966	66,688
Nitrates of potash, soda and lime	20,551	36,388	56,141
Ammonium sulphate	237,692	260,667	433,399
Cyanamide	3,110	1,950	1,603
Sweden—			
Nitrate of potash	537	543	456
Nitrate of soda	36,927	26,354	18,565
Nitrate of lime	29,363	26,715	42,151
Ammonium nitrate	568	298	50
Ammonium sulphate	3,940	3,012	21,316
Ammonium chloride	312	387	374
Liquid ammonia	6	5	2
Switzerland—			
Nitrate of potash, crude ..	1,781	1,089	1,139
Nitrates of potash and soda, purified	429	376	287
Ammonium sulphate, etc. ..	3,096	2,808	1,311
Ammonium chloride	212	248	211
Liquid ammonia	52	52	58
U.S.S.R. (Russia)—			
Nitrate of potash	3,054	2,170	1,352
Nitrate of soda	39,893	123	779
Nitrate of lime, etc. ..	20	—	—

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Nitrate of potash	28	27	13
Nitrate of soda	2,438	1,609	985
Ammonium sulphate	428	262	203
Ammonium chloride	150	121	103
Ammonium nitrate.. ..	794	1,359	590
Liquid ammonia	180	135	169
Algeria—			
Nitrate of potash	97	32	(a)
Nitrate of soda	1,184	2,030	(a)
Nitrate of lime	348	663	(a)
Ammonium sulphate	5,536	5,427	6,953
Cyanamide	292	390	(a)
Cameroon (French)—			
Nitrogen fertilizers	13	27	33
Egypt—			
Nitrate of soda	171,143	133,363	75,349
Nitrate of lime	86,511	79,132	112,608
Ammonium sulphate	3,156	3,420	9,057
Ammonium chloride	331	357	338
Cyanamide	1,169	562	443
Sulphonitrate of ammonia..	4,642	7,898	8,072
Réunion—			
Ammonium sulphate	1,400	(a)	(a)
Tunis—			
Nitrate of potash	118	6	17
Nitrate of soda	192	262	227
Ammonium sulphate	(a)	266	271
Martinique—			
Nitrate of potash	69	(a)	(a)
Nitrate of soda	1,608	(a)	(a)
Nitrate of lime	5	(a)	(a)
Ammonium sulphate	3,280	2,257	1,480
Mexico—			
Nitrates of potash and soda	6,450	4,551	}
Ammonium sulphate	52	259	
Ammonium chloride	102	32	
Panama—			
Nitrate of soda	—	187	(a)
Liquid ammonia	9	13	(a)

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
United States—			
Nitrate of potash (b) ..	12,799	15,509	17,067
Nitrate of soda	558,648	548,459	49,324
Nitrate of lime (b)	43,871	28,761	6,860
Ammonium sulphate (b) ..	33,784	114,285	307,311
Ammonium chloride	2,959	2,532	1,978
Cyanamide (b)	144,522	51,314	62,543
Ammonium-sulphate-nitrate (b)	8,141	3,193	—
Ammonium nitrate.. ..	3,645	2,994	2,864
Argentina—			
Nitrate of potash	171	145	172
Nitrate of soda	1,536	995	1,066
Ammonium sulphate	81	2	2
Liquid ammonia	25	27	21
Brazil (total imports)—			
Nitrate of potash	1,362	1,851	2,966
Liquid ammonia	189	150	111
Chile—			
Nitrate and sulphide of potash	14	14	1
Liquid ammonia	47	36	17
Ammonium salts	1,058	337	(a)
Colombia—			
Nitrates of potash and soda	10	(a)	(a)
Peru—			
Liquid ammonia	92	46	28
Venezuela—			
Nitrate of potash	12	32	52
Liquid ammonia	10	2	—
China—			
Nitrate of potash	1,357	1,652	1,532
Nitrate of soda	4,916	3,298	428
Ammonium sulphate	186,514	137,504	111,008
Ammonium chloride	3,578	573	409
Liquid ammonia	(a)	(a)	41

(a) Information not available.

(b) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Formosa—			
Nitrate of soda	149	—	} (a)
Ammonium sulphate	115,784	107,534	
Cyanamide	492	—	
French Indo-China—			
Nitrate of potash	160	59	30
Nitrate of soda	—	—	1
Ammonium sulphate	589	246	392
Other nitrate fertilizers	655	240	242
Liquid ammonia, etc.	35	29	11
Japan (total imports)—			
Nitrate of soda	30,092	34,441	23,382
Ammonium sulphate	300,247	220,608	116,860
Ammonium chloride	2,145	2,191	1,780
Netherlands East Indies—			
Nitrate of potash	182	149	(a)
Nitrate of soda	599	145	(a)
Ammonium sulphate	113,018	115,466	74,528
Ammonium chloride	29	26	(a)
Liquid ammonia	305	267	(a)
Philippine Islands—			
Nitrate of soda	101	—	—
Ammonium sulphate	27,137	31,718	33,436
Anhydrous ammonia	(£4,036)	(£5,800)	(£4,000)
Syria and Lebanon—			
Nitrates	202	108	400
Turkey—			
Liquid ammonia and ammonium chloride.. ..	167	225	253
New Caledonia—			
Ammonium sulphate	5	—	—

(a) Information not available.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM (Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (c) (estimated)	164,000	143,000	119,000
Canada (b)	192,686	195,262	132,204
Barbados	1,717	1,131	596
Trinidad (b)	1,290,261	1,334,726	1,387,132
British Borneo (Sarawak)	688,424	527,020	345,000
India (b)	1,200,888	1,177,679	1,200,888
New Zealand	38	455	(a)
Total	3,540,000	3,380,000	3,200,000
FOREIGN COUNTRIES			
Austria	5	—	118
Czechoslovakia	22,436	19,424	(a)
Estonia (c)	9,847	15,316	36,017
France	79,977	78,038	83,612
Germany	171,575	225,315	226,107
Greece	443	500	(a)
Italy	7,668	15,932	26,619
Poland	652,296	620,526	547,700
Roumania	5,700,830	6,649,351	7,220,792
Spain (c)	5,715	5,608	5,846
U.S.S.R. (Russia)	18,327,700	22,578,700	22,180,000
Yugoslavia	273	207	(a)
Algeria	1,624	1,063	877
Egypt	280,585	284,848	266,515
Morocco (French zone) ..	20	60	266
Cuba	—	1,700	(a)
Mexico (b)	5,989,379	5,005,887	4,970,530
United States (b)	121,352,800	115,010,900	106,102,570

(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, Mexico 6·6, Trinidad 7·3, India 7·4, United States 7·4, Colombia 7·1, Formosa 7·0.

(c) Including shale-oil.

PRODUCTION OF CRUDE PETROLEUM—(Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES			
—(Cont.)			
Argentina (e)	1,265,620	1,646,167	1,822,000
Bolivia	8,000	3,600	6,300
Colombia (b)	2,865,600	2,497,151	2,275,288
Ecuador	212,031	246,937	280,058
Peru	1,750,058	1,412,871	1,386,000
Venezuela	19,835,609	16,920,356	16,815,380
China (c)	53,250	55,031	(a)
Iraq	119,567	118,374	113,000
Japan and Formosa ..	274,638	280,271	230,000
Netherlands East Indies..	5,444,118	4,623,853	5,012,725
Persia	5,940,979	6,338,444	6,446,000
Total ..	190,400,000	184,600,000	175,600,000
WORLD'S TOTAL	193,900,000	188,000,000	178,800,000

(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, Mexico 6·6, Trinidad 7·3, India 7·4, United States 7·4, Colombia 7·1

(c) Including shale oil.

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

PRODUCTION OF NATURAL GAS
(Thousand cubic feet)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (estimated)	7,000	7,000	7,000
Canada	29,376,919	25,874,723	23,420,174
FOREIGN COUNTRIES			
Austria.. ..	—	—	2,025
Czechoslovakia ..	109,149	34,830	(a)
France	10,846	10,787	(a)
Hungary	(a)	(a)	20,218
Italy	307,186	427,777	454,835
Poland	17,180,686	13,889,841	15,432,568
Roumania	42,594,019	48,842,910	63,000,000
Yugoslavia	188,765	225,182	(a)
United States	1,943,421,000	1,686,436,000	1,518,000,000
Venezuela (<i>long tons</i>) (c)—			
For producing gasoline	(a)	683,004	(a)
For fuel	(a)	223,042	(a)
For gas lift principle	(a)	255,466	(a)
Japan	(a)	2,705,675	(a)
Netherlands East Indies (<i>long tons</i>)	531,709	671,685	888,135

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural gas are collected by only a few countries. Large quantities of natural gas are produced in Russia and Mexico, while Argentina, Colombia, and the Philippine Islands are other producing countries. The figures represent only that part of the gas produced which is actually utilized.

(a) Information not available.

(c) Part of these gases may be used for more than one of the purposes shown.

PRODUCTION OF NATURAL ASPHALT
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Barbados (exports of manjak)	10	9	—
Trinidad	157,859	123,138	107,457
FOREIGN COUNTRIES			
Italy	286	738	(a)
Poland (ozokerite) ..	887	324	639
Switzerland (exports) ..	16,849	15,089	6,831
Egypt (exports)	53,813	34,676	42,638
Cuba	20,698	9,536	5,218
United States (sales)—			
Gilsonite	33,646	29,253	23,174
Wurtzilite	198	115	22
Venezuela	—	(a)	6,626

NOTE.—21,121 long tons of natural asphalt and 4,837 long tons of ozokerite were recorded as produced in U.S.S.R. (Russia) during the year ended September, 1928—later figures are not available.

(a) Information not available.

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES			
Czechoslovakia	658	995	(a)
France	69,160	56,822	47,018
Germany	115,311	68,270	32,800
Greece	1,524	—	(a)
Italy	220,496	186,786	126,278
Spain	9,330	5,054	(a)
Yugoslavia	237	(a)	(a)
United States (sales) ..	593,635	420,081	280,392
Netherlands East Indies ..	12,696	2,356	837

NOTE:—26,731 long tons of asphalt rock were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	2,020,510	1,732,746	1,368,596
Australia	5,774	3,533	1,097
FOREIGN COUNTRIES			
Austria	379	327	316
Estonia	490,090	393,185	493,880
France (including boghead coal)	81,197	73,364	(a)
Germany (Bavaria) ..	535	411	(a)
Italy	10,923	9,236	7,163
Spain	54,276	54,733	(a)

Oil-shale is also produced in Russia and China.

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Crude petroleum ..	60	90	—
Motor spirit, etc. ..	118,594	111,774	123,216
Kerosene	52,988	41,834	32,216
Gas oil	30,962	20,023	34,424
Fuel oil	145,245	38,444	29,518
do. (bunkers) (b) ..	1,033,248	771,369	723,949
Lubricating oil ..	28,419	24,113	28,409
Other refined oils ..	1,690	1,191	475
Mineral jelly	373	258	474
Paraffin wax	7,020	9,973	5,931
Malta—			
Fuel oil and motor spirit (bunkers) (b) ..	434	710	664
Kenya and Uganda—			
(Foreign produce, bunkers)			
Motor spirit	3	11	38
Kerosene	5	4	3
Fuel oil	21,048	23,707	29,357
Lubricating	33	15	11
Sierra Leone—			
Petroleum (bunkers) (b)	—	6	—
Union of South Africa—			
(Foreign produce, bunkers)			
Motor spirit	16	1	1
Kerosene	15	10	5
Lubricating oil ..	322	98	77
Fuel oil	40,590	35,126	39,048
Canada—			
Crude petroleum ..	69,655	58,869	26,391
Motor spirit	23,792	18,035	15,224
Kerosene, etc. .. .	5,312	1,834	3,217
Fuel oil (bunkers) ..	(c)	(c)	(c)
Mineral wax	757	423	1,065
Other mineral oils ..	1,215	3,404	30,472

* The following rates have been used for converting Imperial gallons to long tons:—Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
British West Indies—			
Barbados—			
Manjak	10	9	—
Trinidad and Tobago—			
Crude petroleum ..	146,544	363,879	374,628
Motor spirit.. ..	174,717	207,437	222,593
Kerosene	6,562	5,141	7,801
Fuel oil	732,758	648,557	729,963
Lubricating oil ..	19	44	49
Road oil	1,530	1,898	1,265
Asphalt—			
Crude	20,350	9,250	3,700
Dried	97,705	70,999	39,486
Cement (asphalt content)	—	14,335	9,493
Aden (including re- exports)—			
Motor spirit	142	70	95
Kerosene	456	264	236
Other mineral oils ..	100	85	125
British Borneo—			
Sarawak—			
Crude petroleum ..	124,364	94,849	127,763
Motor spirit	183,933	128,401	94,474
Kerosene	64,209	38,141	50,379
Fuel oil	235,118	202,939	196,422
Lubricating oil ..	—	—	40
Solar oil	37,775	46,549	50,967
Brunei—			
Crude petroleum ..	—	20	(a)
British India—			
Petroleum	16,125	15,925	13,310
Motor spirit, etc. ..	254	226	374
Kerosene	3,078	2,521	2,373
Fuel oil (bunkers) (b) ..	(a)	(d) 35,719	92,182
Paraffin wax	61,194	51,602	47,108

(a) Information not available.

(b) Foreign produce, *see* imports.(c) Figures of exports not shown. *See* imports.

(d) Six months only, July to December.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British Malaya (including re-exports)—			
Motor spirit	443,332	282,450	272,128
Kerosene	118,868	70,035	69,392
Fuel oil	97,533	103,675	89,358
do. (bunkers) ..	331,019	243,079	203,083
Lubricating oil ..	3,765	3,074	2,504
Other petroleum oils ..	91	99	131
Paraffin wax	118	98	115
Asphalt and bitumen ..	1,340	627	805
Ceylon (b)—			
Crude petroleum (bunkers)	181,869	184,473	206,657
Hong Kong (including re-exports)—			
Motor spirit	(e) 10,217	19,894	23,416
Kerosene	(e) 48,076	101,309	86,345
Fuel and diesel oil ..	(e) 28,503	55,946	67,440
Lubricating oil ..	(e) 4,773	5,755	6,883
Other petroleum oils ..	(e) 33	33	19
Greases	(e) 92	141	178
Petroleum jelly ..	(e) 55	355	76
Paraffin wax	(e) 4,930	9,585	9,398
Australia (including re-exports)—			
Crude petroleum ..	1,192	1,094	1,074
Motor spirit, etc. ..	224	303	1,450
Kerosene	282	2,707	1,496
Lubricating oil ..	1,325	777	1,502
Residual and solar oils	209	228	1,245
Greases	303	178	397
Paraffin wax, etc. ..	2	1	—
New Zealand—			
Fuel oil (bunkers) (b) ..	79,707	75,860	60,147
FOREIGN COUNTRIES			
Austria—			
Motor spirit	37	8	118
Kerosene	23	133	6
Petroleum jelly and paraffin wax ..	1	11	8
Ozokerite and ceresin	73	61	36
Asphalt products ..	1,225	486	434
Petroleum coke ..	103	—	—

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude petroleum ..	306	31,179	25,799
Motor spirit	537	327	219
Kerosene	60	} 116	} 75
do. (bunkers) ..	17		
Lubricating oil ..	6,325	78,832	} 25,691
do. (bunkers) ..	409	1,131	
Fuel oil, etc.	525	44,000	23,129
do. (bunkers) ..	202	11,831	22,085
Other heavy oils ..	529	138	59
Petroleum jelly ..	791	1,529	1,256
Paraffin wax	833	5,352	3,300
Ozokerite and ceresin..	95	145	123
Asphalt, bitumen, etc.	1,461	2,505	3,174
Residual asphalt ..	803	252	491
Bulgaria—			
Lubricating oil ..	5	10	2
Czechoslovakia—			
Crude oils	16	34	—
Refined oils	8,900	4,475	5,506
Residual oils	—	—	15
Paraffin wax	1,635	2,591	1,377
Ozokerite and ceresin..	285	400	320
Asphalt products ..	1,137	469	144
Denmark—			
Crude residual oils ..	381	102	100
Lubricating oil ..	322	290	387
Paraffin wax, etc. ..	35	32	48
Estonia—			
Shale oil	1,344	2,274	3,420
Motor spirit	224	510	741
Oil-shale	625	40	—
Bitumen and tar ..	576	114	344
France—			
Crude petroleum ..	97	38	43
Motor spirit	549	369	5,925
Kerosene	68	65	970
Kerosene and motor spirit—			
Bunkers (domestic produce)	630	567	(a)
Bunkers (foreign pro- duce)	12,092	15,992	(a)

(a) Information not available.

(b) Foreign produce, see Imports.

(c) April-December, only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France (Cont.)—			
Lubricating oil ..	4,346	2,935	(c) 3,573
Gas-oil	137	52	(c) 3,232
Fuel-oil	145	47	(c) 28,098
Other residual oils ..	2,457	3,009	(c) 25,050
Petroleum coke, etc. ..	839	467	1,499
Heavy and residual oils—			
Bunkers (domestic produce)	2,089	8,833	(a)
Bunkers (foreign pro- duce)	472,627	509,042	(a)
Petroleum jelly ..	103	98	71
Paraffin wax	27	19	13
Ozokerite and ceresin ..	89	219	131
Asphalt and bitumen..	30,583	25,922	14,774
Germany—			
Crude petroleum ..	116	203	—
Motor spirit	6,663	9,818	17,148
Kerosene	35	31	33
Gas oil	13,475	22,205	22,012
Fuel oil	9,941	8,185	3,280
Lubricating oil ..	98,919	97,627	80,865
Paraffin wax	316	264	286
Ozokerite, etc... ..	5,478	5,455	3,982
Asphalt	14,356	11,688	3,747
Hungary—			
Motor spirit	26	12	370
Gas oil	224	252	21
Lubricating oil ..	937	800	489
Paraffin wax	3	1	—
Asphalt, bitumen and tar	134	150	35
Petroleum coke ..	121	—	—
Italy—			
Crude petroleum(c) ..	18	77	365
Motor spirit(c)	1,682	1,967	1,957
Kerosene(c)	157	139	39
Lubricating oil(c) ..	5,040	3,613	8,154
Other oils and residues (c)	12,931	9,289	6,072
Paraffin wax	5	7	1
Ceresin	52	44	61
Asphalt and bitumen ..	53,679	44,513	33,658
Petroleum jelly ..	9	8	8

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Crude petroleum ..	70	12	—
Kerosene	23	23	—
Fuel oil	20	472	3
Lubricating oil ..	6,393	1,763	138
Netherlands—			
Crude petroleum ..	193	84	2
Motor spirit	87	109	33
Kerosene	250	20	29
Gas oil	14,153	5,281	3,085
do. (bunkers) ..	30,692	28,793	22,309
Fuel oil	23,618	6,806	7,787
do (bunkers) ..	69,664	50,126	70,522
Lubricating oil ..	750	567	770
Greases	222	274	345
Petroleum jelly ..	278	124	142
Paraffin wax	2,934	3,525	4,675
Ozokerite and ceresin..	7	25	9
Asphalt	115,606	86,246	46,112
Natural asphalt ..	10,500	1,087	212
Norway—			
Lubricating oils ..	1,398	4,831	2,270
Asphalt	2	108	250
Poland—			
Motor spirit	33,138	61,345	35,044
Kerosene	21,803	28,621	36,796
Fuel oil and gas oil ..	33,775	35,297	37,518
Lubricating oils ..	33,912	20,755	29,183
Greases.. ..	216	170	127
Paraffin wax	23,356	21,569	19,732
Ceresin and ozokerite..	852	445	576
Asphalt rock	27	—	—
Mastic asphalt	112	32	7
Other asphalt and tar	8,444	9,339	11,826
Portugal—			
Fuel oil (bunkers) ..	375	18	11
Roumania—			
Crude petroleum ..	68,268	82,967	154,094
Motor spirit	1,101,789	1,520,368	1,613,353
Kerosene	926,833	1,028,972	906,374
Fuel oil	1,625,195	1,891,932	2,319,379
Residual oil	70,216	59,683	57,909

(a) Information not available.

(c) Including bunkers for foreign ships.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Roumania (Cont.)—			
Paraffin wax	2,330	5,433	4,538
Tar and pitch	11,501	20,495	29,894
Greases.. .. .	11	24	12
Asphalt and bitumen..	105	311	1,317
Spain (including re- exports)—			
Motor spirit	2,451	1,307	496
Kerosene	262	220	73
Gas oil	1,556	371	57
Fuel oil	8,038	8,469	1,328
Lubricating oil ..	220	102	35
Residual pitch.. ..	249	148	45
Sweden—			
Motor spirit	3,190	560	221
Kerosene	5,472	5,073	5,359
Fuel oil	332	1,570	9,335
Lubricating oil ..	919	558	1,483
Paraffin wax	3	18	4
Asphalt.. .. .	696	472	279
Pitch	3,503	7,606	3,223
Other refined oils ..	10	6	5
Switzerland—			
Lubricating oil and grease	52	330	136
Asphalt and bitumen ..	16,849	15,089	6,831
Paraffin wax and ceresin	19	19	7
U.S.S.R. (Russia)—			
Crude petroleum	289,021	376,139	513,348
Motor spirit	1,391,192	1,580,110	1,909,429
Kerosene	768,821	689,785	791,450
Fuel oil	1,457,196	1,744,744	1,894,486
Gas oil	396,904	425,843	533,767
Solar oil	63,699	42,987	44,416
Ligroin (naphtha) ..	39,436	49,809	42,493
Lubricating oil	225,266	225,022	182,958
Ozokerite	462	404	390
Asphalt.. .. .	126	728	11,090
Yugoslavia—			
Motor spirit	34	66	3
Lubricating oil	55	328	49

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Algeria—			
Motor spirit	199	79	} (a)
Kerosene	84	91	
Gas oil	736	547	
Fuel oil	419	5	
Lubricating oils ..	456	322	
Asphalt and bitumen ..	6	39	
Belgian Congo—			
Motor spirit	907	714	411
Kerosene	187	116	98
Other oils and greases	3,270	139	213
Canary Islands			
Fuel oil (bunkers) (d) ..	252,131	351,149	(a)
Cape Verde Islands—			
Fuel oil (bunkers) (d) ..	(a)	131,392	(a)
Egypt—			
Motor spirit	53,759	51,944	61,606
Kerosene	3,503	1,076	568
Fuel oil	2,886	20,823	1,212
do. (bunkers)	30,647	65,795	92,361
Lubricating oil	193	71	23
Asphalt, etc.	53,813	34,676	42,638
French West Africa—			
Senegal (including re-exports)—			
Motor spirit (bunkers)	49	29	(a)
Fuel oil (bunkers) ..	92,422	117,415	300,815
Cuba (including re-exports)—			
Natural asphalt	9,136	13,429	9,711
Mexico (c)—			
Domestic exports—			
Crude petroleum—			
Light	2	—	} (a)
Heavy	1,926,330	1,554,111	
Motor spirit	279,567	215,420	
Kerosene	190,151	168,885	
Fuel oil	985,410	954,819	
Gas oil	232,004	149,446	
Lubricating oils	61,834	48,508	
Asphalt (b)	202,624	168,783	

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cu. metre = 1 long ton.

(c) Including bunkers.

(d) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Mexico (Cont.)—			
Refined from imported oil—			
Motor spirit.. ..	—	—	} (a)
Kerosene	—	—	
Fuel oil	—	—	
Gas oil	16,746	—	
Lubricating oil ..	890	53	
Netherlands West Indies—			
Crude petroleum	1,563,717	997,841	982,000
Motor spirit	2,024,067	2,029,172	} (a)
Kerosene	21,124	44,044	
Gas oil and fuel oil ..	10,535,658	9,731,041	
Diesel oil (c)	130,932	195,121	
Lubricating oil	145,679	134,273	
United States—			
Crude petroleum	3,203,265	3,450,697	3,701,477
Motor spirit	7,251,923	5,024,683	3,881,282
Natural gasolene	(a)	(a)	35,000
Kerosene	2,124,142	1,595,253	1,383,054
Gas oil and fuel oil ..	4,532,886	3,722,346	2,496,404
do. (bunkers)	7,107,049	6,119,939	5,341,336
Lubricating oils	1,378,902	1,126,891	977,547
Mineral spirits	6,700	6,100	5,408
Residual oils	3,207	2,884	—
Greases	44,318	33,072	28,914
Paraffin wax	130,773	129,681	105,028
Petroleum jelly	4,925	4,939	4,553
Asphalt, bitumen, etc..	387,098	274,175	194,974
Petroleum coke	88,098	49,979	79,777
Argentina—			
Fuel oil	7,815	1,559	63,933
Chile—			
Crude petroleum	2,696	1,617	} (a)
do. (bunkers) (d) ..	14,008	7,628	
Motor spirit (c)	210	12	
Kerosene (c)	185	129	
Fuel oil	196	1,651	
do. (bunkers) (d) ..	—	631	
Lubricating oils (c) ..	71	122	
Greases	2	3	
Tar and pitch	43	17	

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Colombia— Petroleum	2,614,242	2,338,082	2,176,414
Ecuador— Crude petroleum, etc..	158,855	189,877	192,554
Peru— Crude petroleum	1,009,637	796,624	605,896
Motor spirit	284,279	265,665	353,349
Kerosene	19,067	20,580	14,061
Fuel oil.. ..	76,706	56,822	94,237
do. (bunkers)	33,609	40,344	40,079
Lubricating oil	1,698	758	876
Venezuela— Crude petroleum	20,134,534	17,006,834	15,936,306
Motor spirit	16,503	41,101	41,182
Kerosene	142	65	29
Gas oil	30,932	39,829	37,678
Fuel oil	—	—	622,645
Asphalt	—	19,833	122
China— Shale oil	—	36,008	21,371
Formosa— Crude and heavy oils..	3	—	(a)
Motor spirit	1,803	12,021	(a)
Kerosene	1,949	1,032	(a)
Lubricating oil	30	144	(a)
Other light oils	400	1,200	(a)
French Indo-China— Motor spirit, etc.	10	7	6
Fuel oil	8	20	12
Heavy oils, etc.	190	167	101
Iraq (b)— Motor spirit	1	12	82
Kerosene	15	5	12
Fuel oil	17	33	37
Lubricating oil.. ..	27	209	81

(a) Information not available.

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

(c) Including bunkers.

(d) On national ships only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS—(Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
—(Cont.)			
Japan—			
Kerosene	3,808	3,225	11,544
Other oils	5,901	3,048	11,459
Netherlands East Indies—			
Crude petroleum ..	77,117	63,190	297,500
Motor spirit	1,298,936	1,144,571	1,131,300
Kerosene	507,329	412,280	449,300
Fuel and motor oils ..	1,836,319	1,364,632	942,300
do. (bunkers) ..	316,125	308,397	295,700
Batching oil	24,331	14,716	(a)
Lubricating oil ..	31,175	25,932	14,400
Greases	463	234	(a)
Paraffin wax	29,124	40,652	38,360
Asphalt	71	236	(a)
Turpene	7,528	6,829	(a)
Persia (including re-exports) (d)—			
Crude petroleum ..	1,637,840	1,557,049	820,674
Motor spirit	1,637,840	1,042,893	1,181,645
Kerosene	904,050	533,573	404,907
Fuel oil	1,494,577	2,199,908	2,789,692
Lubricating oil ..	2	45	6
Syria and Lebanon—			
Asphalt and bitumen ..	187	2,975	333
Turkey—			
Motor spirit	—	4	—
Kerosene	—	11	—
Fuel oil	—	15	3
Lubricating oil ..	22	48	31
Ozokerite	—	4	—

(a) Information not available.

(d) Years ended March 21 of the year stated for 1930 and 1931 and June 21 for 1932.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Crude petroleum ..	1,779,794	1,329,612	1,422,783
Oil shale	—	—	147
Motor spirit, etc ..	3,038,958	2,878,309	3,071,645
Kerosene	840,487	931,716	749,220
Fuel oil	2,022,356	2,003,465	2,055,811
Gas oil	492,900	315,282	365,596
Lubricating oil ..	395,926	380,413	332,097
Other petroleum oils	896	773	2,615
Mineral jelly	3,023	3,201	4,542
Paraffin wax	56,199	53,904	54,783
Ozokerite	806	847	575
Asphalt and bitumen..	180,752	161,230	114,106
Irish Free State—			
Motor spirit	105,720	130,791	98,924
Kerosene	53,315	54,039	58,019
Fuel oil and gas oil ..	18,662	14,352	21,945
Lubricating oil	9,563	9,865	10,061
Paraffin wax	3,763	5,132	4,531
Asphalt and bitumen..	19,374	18,852	19,425
Malta—			
Motor spirit	7,903	10,006	8,455
Petroleum	16,303	18,005	20,274
Fuel oil (b) (total im- ports)	10,895	37,828	17,545
Anglo-Egyptian Sudan—			
Petroleum	6,982	4,663	4,187
Motor spirit	8,051	6,511	5,908
Fuel oil	13,152	14,318	10,359
Lubricating oil, etc. ..	2,149	1,388	996
Gambia—			
Motor spirit	569	358	292
Kerosene	246	146	152
Fuel oil	194	194	171
Lubricating oil	63	60	47
Gold Coast—			
Motor spirit	23,857	14,179	12,054
Kerosene	12,208	8,425	7,470
Fuel oil	2,707	2,522	7,307
Lubricating oil	1,947	1,552	1,489
Asphalt tar	6,010	3,560	4,180
Pitch, etc.	1,056	397	430

* The following rates have been used for converting Imperial gallons to long tons:—Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
Kenya and Uganda—			
Motor spirit	21,251	16,964	15,077
Kerosene	18,852	7,695	8,138
Fuel oil	12,857	13,137	16,717
Lubricating oil	3,234	1,869	1,313
Greases	309	177	86
Mauritius—			
Motor spirit	3,802	4,411	4,011
Kerosene	2,331	4,110	3,157
Lubricating oils, etc. ..	546	6,013	450
Fuel oil	146	100	165
Refined motor grease ..	35	49	37
Natural asphalt, etc. . .	1,054	283	562
Nigeria—			
Motor spirit	20,134	11,271	12,113
Kerosene	16,004	10,507	7,105
Fuel oil	696	769	855
Lubricating oil	2,569	1,446	1,166
Asphalt tar	739	852	1,049
Pitch, etc.	375	161	78
Nyasaland—			
Motor spirit	1,486	1,477	1,749
Kerosene	286	273	213
Fuel oil	37	73	46
Lubricating oil	142	114	104
Northern Rhodesia—			
Motor spirit	4,146	4,171	2,902
Kerosene	626	496	426
Lubricating oil	656	517	338
Seychelles—			
Motor spirit	66	66	48
Kerosene	197	29	65
Fuel oil	142	124	30
Lubricating oil	20	18	8
Sierra Leone—			
Motor spirit	1,213	1,010	1,277
Kerosene	1,691	991	1,347
Fuel oil	447	421	438
Lubricating oil	190	138	197
Asphalt tar	541	236	142
Pitch	98	10	7

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Somaliland Protectorate—			
Motor spirit	201	166	303
Kerosene	242	169	270
Southern Rhodesia—			
Motor spirit	11,627	11,102	10,996
Kerosene	2,530	2,072	1,423
Lubricating oil	1,743	1,329	1,238
Other oils	370	667	2,288
Asphalt and bitumen..	603	518	883
Paraffin wax	534	409	365
South West Africa—			
Motor spirit	5,107	2,871	2,853
Kerosene	1,841	1,462	795
Lubricating oil	870	411	156
Other oils	4,981	1,054	1,247
Tanganyika Territory—			
Motor spirit	5,711	4,666	4,447
Kerosene	5,559	3,603	3,635
Fuel oil	3,220	3,575	3,772
Lubricating oil	801	753	684
Union of South Africa—			
Motor spirit	205,545	210,822	216,143
Kerosene	61,347	43,639	51,940
Fuel oil	70,552	61,695	51,016
Lubricating oil	22,971	19,159	18,131
Other oils	5,467	2,083	6,091
Paraffin wax	9,786	10,635	8,793
Asphalt and bitumen..	26,047	26,712	18,114
Petroleum jelly	119	203	109
Zanzibar—			
Motor spirit	1,135	965	994
Kerosene, etc.	2,782	1,336	1,646
Fuel oil	547	769	679
Lubricating oil, etc. ..	54	96	73
Canada—			
Crude petroleum	4,196,533	4,148,417	3,499,518
Motor spirit	535,890	382,664	332,963
Kerosene, etc.	18,135	13,454	6,313
Lubricating oils	65,239	55,115	46,412
Fuel oil (bunkers)	131,502	149,587	133,371
Other petroleum oils ..	1,232	2,314	918
Petroleum jelly, etc. ..	(£47,382)	(£50,868)	(£50,133)
Grease	2,384	1,852	1,406

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Canada (Cont.)—			
Paraffin wax, etc. ..	1,717	1,296	723
Asphaltum oil, etc. ..	(£34,604)	(£17,132)	(£4,910)
Asphalt	38,207	32,947	11,190
Other products	6,062	12,522	6,852
Newfoundland (years ended June 30)—			
Crude petroleum	789	660	724
Motor spirit	8,676	8,997	9,866
Kerosene	5,823	4,044	2,725
Lubricating oil	1,210	1,009	901
Fuel oil	111	296	218
British Guiana—			
Crude petroleum	2,600	3,338	1,834
Motor spirit	2,394	2,491	2,475
Kerosene	1,783	1,893	1,521
Fuel oil	1,327	1,740	1,878
Tar and pitch	177	316	474
British West Indies—			
Bahamas—			
Crude petroleum	2,090	2,200	2,220
Motor spirit	2,820	2,470	2,150
Kerosene	1,220	1,200	710
Lubricating oil	130	110	100
Barbados—			
Motor spirit	2,746	2,780	2,869
Kerosene	1,325	1,391	1,123
Lubricating oil	(£5,132)	(£5,059)	48
Residual oil	4,582	3,255	3,266
Bermuda—			
Motor spirit	1,093	884	1,166
Kerosene	1,839	2,397	1,250
Fuel oil	2,197	9,276	8,295
Grenada—			
Motor spirit	435	407	} (a)
Kerosene	382	368	
Fuel oil	85	88	
Lubricating oil	35	25	
Road oil	444	373	
Jamaica—			
Motor spirit	14,600	16,190	16,697
Kerosene	5,108	6,350	4,692
Gas oil and fuel oil ..	2,531	8,672	17,212
Lubricating oil	774	908	936
Other fuel oils	79,692	85,915	82,663

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British West Indies			
(Cont.)—			
Leeward Islands (d)—			
Motor spirit.. ..	855	641	773
Kerosene	628	574	599
Gas oil	21	22	11
Fuel oil	340	289	399
Road oil	126	203	11
Lubricating oil	155	83	70
St. Lucia—			
Motor spirit.. ..	127	154	171
Kerosene	178	168	190
Fuel oil	64	73	82
Lubricating oil	14	14	18
Road oil	36	52	180
St. Vincent—			
Motor spirit.. ..	248	286	243
Kerosene	191	205	181
Fuel oil	216	242	150
Lubricating oil	7	17	23
Asphalt tar	4	5	4
Pitch.. ..	—	2	1
Trinidad and Tobago—			
Crude petroleum	25,843	10,200	9,166
Motor spirit.. ..	28	23	6
Refined petroleum, etc.	344	181	109
Lubricating oil	1,082	717	801
Fuel oil	—	9,955	32,252
British Honduras—			
Motor spirit	1,166	800	536
Kerosene	804	764	919
Fuel oil.. ..	139	251	1,342
Lubricating oil	188	110	59
Aden (total imports)—			
Motor spirit	1,180	1,055	1,110
Kerosene	1,551	1,444	1,300
Fuel oil	404,428	347,707	541,836
Lubricating oil	329	388	452
British Borneo—			
Brunei—			
Kerosene	456	452	(a)
Fuel oil	448	—	(a)

(a) Information not available.

(d) Including inter-presidency trade.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British Borneo (Cont.)—			
Sarawak—			
Motor spirit.. ..	675	426	407
Kerosene	2,698	1,904	1,710
Fuel oil	241	216	202
Lubricating oil ..	466	504	343
State of North Borneo—			
Motor spirit.. ..	589	307	336
Kerosene	1,310	1,115	998
British India (total imports)—			
Motor spirit	32,045	44,419	22,596
Kerosene	394,507	265,444	283,969
Fuel oil	448,259	434,640	438,553
White oil	4,604	3,432	4,080
Lubricating oil ..	100,486	77,009	57,357
Other oils	6,049	2,615	2,163
Paraffin wax	1,645	847	187
Asphalt	33,027	29,208	29,237
British Malaya (total imports)—			
Motor spirit	546,774	354,982	319,311
Kerosene	158,409	103,047	93,398
Fuel oil	633,745	507,159	387,026
Lubricating oil ..	16,346	11,879	9,240
Other oils	325	99	7
Paraffin wax	1,096	871	1,012
Asphalt and bitumen..	17,223	21,055	9,391
Ceylon—			
Crude petroleum (total imports) (c).. ..	221,847	200,796	238,501
Motor spirit	37,528	29,000	26,855
Kerosene	31,675	28,799	22,840
Lubricating oil ..	3,668	2,844	3,345
Asphalt	15,306	9,500	10,480
Cyprus—			
Crude petroleum ..	2,740	2,807	2,376
Motor spirit, etc. ..	3,356	4,120	2,854
Kerosene, etc. ..	3,413	3,640	3,035
Lubricating oil ..	487	424	308
Paraffin wax	52	41	41

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
Hong Kong (total imports)			
Motor spirit	(b)16,324	28,119	28,456
Kerosene	(b)59,861	91,752	99,722
Fuel and diesel oil ..	(b)122,740	183,398	168,925
Lubricating oil	(b)3,290	6,327	5,516
Other oils	(b)52	119	211
Greases	(b)575	200	300
Petroleum jelly	(b)19	38	46
Paraffin wax	(b)5,970	12,678	9,850
Palestine (total imports)—			
Crude petroleum, etc. . .	24,970	17,894	15,808
Motor spirit	11,780	11,275	14,597
Kerosene	30,150	33,156	21,995
Lubricating oils	1,570	1,886	2,071
Other oils	43	3	13
Paraffin wax	104	85	128
Asphalt and bitumen ..	1,530	1,959	2,530
Australia—			
Crude petroleum	474,168	234,711	179,391
Motor spirit	673,459	508,839	583,907
Kerosene	141,424	94,747	120,096
Lubricating oil	44,078	31,657	39,021
Residual and solar oils	6,508	170,536	306,816
Petroleum jelly	434	492	1,081
Greases	1,163	885	1,437
Paraffin wax, etc. ..	2,239	2,207	2,251
Mastic asphalt	268	25	22
Fiji—			
Motor spirit	3,151	2,209	2,053
Kerosene	1,353	974	771
Lubricating oil	346	260	307
New Zealand—			
Crude petroleum, fuel oil, etc.	169,243	141,879	129,810
Motor spirit	223,915	202,715	191,514
Kerosene	22,655	13,333	20,171
Lubricating oil	13,487	6,893	8,581
Other refined oils	1,711	1,463	1,370
Paraffin wax	1,415	1,226	1,445
Asphalt	21,145	18,013	11,253

(b) April-December only.

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

(d) Including inter-presidency trade.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)—			
Solomon Islands—			
Motor spirit	219	298	} (a)
Kerosene	268	318	
Lubricating oil ..	46	57	
Western Samoa—			
Motor spirit	(£9,035)	(£3,658)	(£139,054)
Kerosene	(£3,173)	(£1,966)	(£73,796)
Lubricating oil ..	(£2,181)	(£752)	(£1,080)
Fuel oil	(£173)	(£66)	(£131)
FOREIGN COUNTRIES			
Austria—			
Crude petroleum ..	110,847	145,142	126,519
Motor spirit	108,278	83,147	59,646
Kerosene	27,357	21,041	10,866
Gas oil	19,742	19,241	23,823
Petroleum jelly ..	145	165	108
Paraffin wax	2,969	2,971	2,546
Asphalt products ..	2,286	1,035	784
Petroleum coke ..	2,541	1,718	180
Ozokerite and ceresin	207	186	170
Asphalt	1,830	1,048	558
Belgium-Luxemburg E.U.—			
Crude petroleum ..	477	39,322	24,163
Motor spirit	216,890	243,207	316,000
Kerosene	75,145	95,655	84,568
Lubricating oil ..	98,899	168,114	62,073
Fuel oil, etc.	114,820	195,243	107,720
Other heavy oils ..	2,147	126	454
Petroleum jelly ..	572	1,122	1,028
Paraffin wax	5,153	7,066	7,272
Ozokerite and ceresin..	333	391	286
Asphalt, bitumen, etc.	15,510	15,865	8,532
Residual asphalt ..	8,866	11,062	5,503
Bulgaria—			
Motor spirit	10,270	8,733	16,166
Kerosene	29,664	29,060	23,309
Gas oil	24,268	23,529	23,822
Fuel oil	6,872	5,162	4,188
Lubricating oil, etc. ..	6,790	7,443	4,207
Paraffin wax, ceresin, etc.	174	283	248
Tar	47	137	117
Petroleum jelly, etc. ..	17	57	28
Asphalt and bitumen..	248	2,588	291

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Czechoslovakia—			
Crude oils	144,026	129,399	93,356
Refined light oils	224,575	223,504	261,870
Refined heavy oils	27,961	23,913	20,066
Residual oils	31	10	—
Paraffin wax	693	270	306
Ozokerite and ceresin	157	149	134
Petroleum jelly	198	187	202
Asphalt products	8,860	8,735	3,567
Denmark—			
Motor spirit	203,868	238,583	231,305
Kerosene	81,842	84,151	83,781
Fuel oil	193,646	190,072	225,165
Crude residual oil	4,261	752	—
Lubricating oil	23,202	26,893	24,146
Petroleum jelly	117	109	77
Ozokerite, etc.	65	70	53
Paraffin wax	730	702	757
Asphalt rock	9,315	12,169	2,882
Estonia—			
Crude petroleum	2,992	1,968	733
Motor spirit	8,956	7,080	1,547
Kerosene	17,205	18,109	12,914
Fuel oil	710	806	778
Gas oil	(a)	863	1,353
Lubricating oil	2,318	1,935	1,812
Petroleum jelly	6	14	36
Paraffin wax, etc.	206	141	144
Asphalt and tar	304	274	17
Finland—			
Crude petroleum	16,348	12,567	10,701
Motor spirit	92,251	55,795	28,048
Kerosene	37,118	31,797	43,695
Lubricating oil	9,207	7,415	8,784
Petroleum jelly	400	372	307
Paraffin wax, etc.	631	456	450
Asphalt and tar	7,796	6,624	6,177
France—			
Crude petroleum	444,765	510,369	1,018,476
Motor spirit	1,865,284	2,130,797	1,978,651
Kerosene	188,065	190,359	151,015

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France (Cont.)—			
Lubricating oils ..	273,250	231,364	194,222
Fuel oil	531,254	581,609	658,278
Gas oil	152,676	250,179	349,886
Other residual oils ..	78,747	71,489	83,545
Petroleum coke, etc. ..	24,415	13,781	8,520
Paraffin wax	7,688	6,332	5,125
Ozokerite and ceresin..	527	625	599
Asphalt and bitumen..	22,290	29,477	18,313
Petroleum jelly ..	40	26	23
Germany—			
Crude petroleum ..	328,223	237,137	265,845
Motor spirit	1,412,011	1,325,389	1,070,500
Kerosene	204,307	128,278	102,308
Gas oil	454,855	402,886	386,525
Fuel oil	325,852	280,554	194,990
Lubricating oil ..	362,018	358,508	308,213
Paraffin wax	12,282	12,661	14,698
Ozokerite, etc. . . .	1,645	1,626	1,266
Asphalt	25,406	18,439	12,065
Greece—			
Motor spirit	46,791	48,978	46,488
Kerosene	24,748	20,821	21,150
Fuel oils	78,405	84,971	102,065
Other oils and greases	8,748	7,169	9,488
Paraffin wax	3	1	(a)
Petroleum jelly ..	65	64	(a)
Asphalt and bitumen ..	5,571	5,102	5,782
Hungary—			
Crude petroleum ..	212,672	151,089	139,138
Motor spirit	9,835	3,484	1,400
Kerosene	9,430	1,417	336
Gas oil	4,445	2,051	1,498
Lubricating oil ..	8,301	4,107	2,119
Paraffin wax	1,002	801	1,066
Petroleum jelly ..	167	201	107
Ozokerite and ceresin..	28	21	18
Asphalt, bitumen and tar	12,091	9,263	2,299
Petroleum coke ..	397	293	152

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Iceland—			
Motor spirit	4,233	(a)	(a)
Kerosene	4,839	(a)	(a)
Lubricating oil	743	(a)	(a)
Solar and gas oils	8,922	(a)	(a)
Paraffin wax	15	(a)	(a)
Asphalt	112	(a)	(a)
Italy—			
Crude petroleum	94,915	99,915	125,157
Motor spirit	383,615	361,336	319,809
Kerosene	154,020	145,213	143,127
Lubricating oil	83,605	71,872	65,429
Other oils and residues	762,080	793,966	823,621
Petroleum jelly	324	284	222
Paraffin wax	26,664	24,754	23,506
Ceresin	105	76	104
Bitumen	78,272	72,032	81,356
Petroleum coke	2,044	2,536	4,140
Latvia—			
Crude petroleum	22,091	3,719	6,230
Motor spirit	10,774	12,413	5,562
Kerosene	16,805	21,040	21,981
Fuel oil	698	820	1,051
Lubricating oil	2,496	1,945	2,823
Shale oil	5	33	451
Petroleum jelly	16	15	30
Paraffin wax	302	266	241
Ozokerite and ceresin	17	12	15
Asphalt	158	70	26
Asphalt rock	2,116	1,449	880
Lithuania—			
Motor spirit	6,315	6,430	5,660
Kerosene	18,527	18,461	18,114
Gas oil and fuel oil	10,632	10,846	10,530
Lubricating oil	2,793	2,976	2,930
Paraffin wax, etc.	492	254	329
Netherlands—			
Crude petroleum	223,289	156,880	95,512
Motor spirit	258,728	378,917	320,874
Kerosene	176,130	209,408	165,848
Gas oil	154,335	182,812	189,908
Fuel oil	110,331	98,474	96,042
Lubricating oil	52,727	52,564	50,051
Greases	2,093	1,753	1,663

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Netherlands (Cont.)—			
Petroleum jelly ..	860	620	608
Paraffin wax	6,679	6,353	8,270
Ozokerite and ceresin	208	163	172
Asphalt	8,203	7,653	9,062
Natural asphalt ..	14,195	5,687	2,450
Norway—			
Crude petroleum ..	31,740	37,099	27,018
Motor spirit	85,066	86,189	115,534
Kerosene	33,789	38,686	35,173
Fuel oil	114,147	136,094	188,687
Residual oils, etc. ..	10,702	10,500	9,708
Vaseline and greases ..	633	479	495
Asphalt, bitumen, etc..	8,629	6,641	8,193
Poland—			
Crude petroleum ..	939	—	—
Motor spirit	554	7	12
Kerosene	320	4	—
Fuel oil and gas oil ..	1,368	1,278	250
Lubricating oils ..	2,679	2,354	1,895
Greases	59	107	75
Petroleum jelly ..	229	201	156
Paraffin wax, etc. ..	318	294	88
Asphalt rock	979	243	262
Mastic asphalt ..	922	622	665
Other asphalt and tar..	3,153	2,670	1,672
Portugal—			
Motor spirit	45,709	46,633	45,435
Kerosene	40,998	40,272	40,087
Petroleum jelly ..	73	74	78
Paraffin wax	900	1,004	826
Roumania—			
Motor spirit	10	57	—
Kerosene	1	29	1
Fuel oil	—	39	4
Residual oils	3,194	2,477	1,243
Petroleum jelly ..	81	91	61
Paraffin wax	7	5	5
Ozokerite and ceresin..	128	82	86
Greases.. ..	164	77	38
Asphalt and bitumen..	86	115	116
Tar and pitch ..	742	3,718	1,260

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Spain (total imports)—			
Crude petroleum	33,930	20,586	22,093
Motor spirit	341,304	386,126	379,133
Kerosene	19,018	18,913	20,979
Gas oil	124,129	94,102	76,139
Fuel oil	53,072	161,756	184,767
Lubricating oils	28,581	32,331	32,176
Residual pitch	36,192	51,890	46,141
Petroleum jelly and its oils	1,179	1,409	1,870
Paraffin wax	8,574	7,907	4,653
Asphalt and bitumen..	323	500	473
Sweden—			
Crude	38,721	30,024	32,687
Motor spirit	297,077	311,007	327,557
Kerosene	77,812	75,038	76,815
Fuel oil and gas oil ..	114,208	167,232	220,197
Lubricating oil	39,343	44,862	43,359
Petroleum jelly	268	244	267
Other refined oils	2,112	2,808	3,714
Paraffin wax	4,391	3,454	2,729
Ozokerite and ceresin..	163	146	133
Asphalt	15,168	9,443	5,988
Pitch	13,911	18,020	11,704
Switzerland—			
Motor spirit	156,378	179,021	201,029
Kerosene	24,109	24,097	23,662
Petroleum distillates, etc.	1,781	1,705	1,666
Fuel oil	77,896	95,950	129,603
Lubricating oil and grease	21,431	20,942	21,399
Petroleum jelly	281	327	320
Paraffin wax and ceresin	1,387	1,629	1,572
Asphalt and bitumen..	1,736	1,662	1,392
U.S.S.R. (Russia)—			
Crude petroleum	11,092	—	—
Petroleum jelly	185	3	—
Paraffin wax	47	—	—
Ozokerite and ceresin	143	25	2
Asphalt and tar	714	387	406

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude petroleum ..	145,328	53,331	71,818
Motor spirit	4,511	3,856	13,086
Kerosene	23,674	13,738	26,823
Gas oil, etc.	1,594	2,836	13,429
Lubricating oil, etc. ..	5,795	4,521	5,145
Paraffin wax	2,611	1,974	1,714
Ozokerite and ceresin..	78	74	59
Asphalt and bitumen..	10,546	12,685	7,053
Abyssinia—			
Motor spirit	618	579	(a)
Kerosene	2,187	1,471	(a)
Algeria—			
Motor spirit	111,429	116,802	119,646
Kerosene	44,234	46,769	45,656
Gas oil	10,602	} 21,430	74,003
Fuel oil	9,219		
Lubricating oil	13,485	13,569	20,353
Paraffin wax, etc. ..	115	222	170
Petroleum jelly	29	34	26
Residual asphalt	33,568	27,289	(e)
Asphalt and bitumen	1,299	1,606	1,279
Angola—			
Motor spirit	7,322	4,243	3,161
Kerosene	1,195	766	1,047
Fuel oil	—	1,846	1,596
Lubricating oil	—	339	482
Grease	50	36	25
Belgian Congo—			
Motor spirit	20,938	11,905	8,617
Kerosene	1,789	1,401	1,382
Fuel oil, etc.	10,283	18,340	5,442
Lubricating oils and greases	3,680	2,858	1,546
Cameroon (French)—			
Motor spirit	2,904	2,081	2,535
Kerosene	1,795	808	801
Lubricating oils	333	580	258

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Canary Islands—			
Fuel oil	(f) 252,131	(d) 351,149	(a)
Cape Verde Islands—			
Motor spirit	133	65	} (a)
Kerosene	439	397	
Fuel oil (d)	138,995	136,400	
Egypt—			
Crude petroleum	19	1	99,739
Motor spirit	70,011	58,068	37,771
Kerosene	279,464	310,404	263,443
Fuel oil, etc.	124,933	144,555	131,121
Lubricating oil	17,354	15,397	14,435
Petroleum jelly	119	116	119
Paraffin wax	272	285	288
Asphalt and bitumen ..	12,038	6,461	4,884
Ozokerite and ceresin ..	6	6	6
French Equatorial			
Africa—			
Motor spirit	6,937	} 7,059	{ 6,793
Heavy oils	1,772			1,745
French Somaliland—			
Motor spirit and			
kerosene	376	7,995	} (a)
Lubricating oil	501	346	
French Togoland—			
Motor spirit	1,130	933	673
Kerosene	1,379	1,041	973
Heavy oils	259	270	200
Fuel oil	511	238	474
French West Africa—			
Dahomey—			
Motor spirit	1,109	1,205	1,028
Kerosene	3,090	1,844	1,022
Lubricating oils	353	168	(a)
Fuel oils	—	48	84
French Guinea—			
Motor spirit	748	721	1,014
Kerosene	476	298	392
Lubricating oils	248	226	(a)
Fuel oil	—	—	22
French Sudan—			
Motor spirit	755	613	217
Kerosene	83	122	46
Lubricating oils	151	128	(a)

(a) Information not available.

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

(e) Included with gas oil and fuel oil.

(f) Bunkers. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
French West Africa (Cont.)-			
Ivory Coast—			
Motor spirit	5,094	3,470	3,580
Kerosene	1,531	1,116	763
Lubricating oils	973	862	(a)
Fuel oil	170	38	107
Mauritania—			
Motor spirit	—	63	51
Kerosene	6	—	(a)
Fuel oil	—	1	(a)
Lubricating oil, etc.	4	4	(a)
Senegal—			
Motor spirit	11,055	8,476	7,030
Kerosene	1,734	1,003	1,108
Lubricating oils	2,604	1,561	(a)
Fuel oil (b)	107,606	130,772	304,415
Bitumen	544	781	(a)
Madagascar (total im- ports)—			
Motor spirit	4,507	4,550	4,591
Kerosene	2,795	2,683	2,528
Heavy oils	1,795	3,557	3,769
Petroleum jelly	6	8	9
Morocco—			
Motor spirit	63,303	82,612	98,594
Kerosene	19,720	22,853	16,607
Fuel oil	8,449	11,723	13,328
Lubricating oil	7,910	8,000	6,393
Paraffin wax	821	864	1,742
Mozambique—			
Motor spirit	6,292	6,547	6,516
Kerosene	2,570	2,395	2,254
Fuel oil	889	935	1,254
Lubricating oil	1,599	1,663	1,362
Asphalt and bitumen	95	224	363
Portuguese Guinea—			
Motor spirit	648	} (a)	} (a)
Kerosene	177		
Fuel oil	72		
Lubricating oil	119		

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Réunion—			
Motor spirit	1,586	} 1,931	} (a)
Kerosene	(a)		
Heavy oils, etc. ..	1,279		
Tunis—			
Motor spirit	33,968	37,312	42,373
Kerosene	27,999	27,689	30,877
Fuel oil and gas oil ..	21,893	13,751	15,454
Road oil	(a)	7,457	6,970
Lubricating oils	5,533	5,417	4,803
Petroleum jelly	8	8	8
Paraffin wax	43	582	24
Bitumen	893	706	2,414
Cuba (total imports)—			
Crude petroleum	196,503	87,663	} (a)
Motor spirit	148,079	77,163	
Kerosene	1,643	1,007	
Fuel oil	623,792	397,040	
Gas oil	7,156	5,108	
Lubricating oil	11,649	8,400	
Petroleum jelly	149	141	
Greases	300	250	
Paraffin wax	1,153	1,020	
Asphalt rock	1,870	47	
Other asphalt	26,731	5,888	
Dominican Republic (c)—			
Motor spirit	10,348	7,839	7,839
Kerosene	3,569	3,900	3,281
Fuel oil	21,045	29,601	14,654
Lubricating oil	1,337	1,267	1,120
French West Indies—			
Guadeloupe—			
Motor spirit	2,822	2,584	(a)
Fuel oil	530	870	(a)

(a) Information not available.

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

(c) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
French West Indies			
(Cont.)—			
Martinique—			
Motor spirit	3,082	126	1,003
Kerosene	43	—	—
Lubricating oil	2,783	377	373
Fuel oil	568	445	373
Mexico—			
Crude petroleum	235,482	89,192	} (a)
Motor spirit	64,985	64,574	
Kerosene	8,872	8,337	
Fuel oil and gas oil	184,650	135,804	
Paraffin wax	5,176	4,238	
Lubricating oil, etc.	11,000	8,467	
Petroleum jelly	170	146	
Natural gas	—	(c)50	
Netherlands West Indies—			
Crude petroleum	15,793,490	13,118,764	13,509,000
Motor spirit	5,537	1,671	(a)
Kerosene	623	671	(a)
Fuel oil and gas oil	464,164	418,429	(a)
Lubricating oil	8,525	527	(a)
Nicaragua (total imports)—			
Crude petroleum	20,448	18,837	12,363
Motor spirit	2,885	2,625	830
Kerosene	2,278	2,301	1,869
Lubricating oil	520	340	292
Panama—			
Motor spirit	1,442	1,698	} (a)
Kerosene	2,743	9,853	
Fuel oil	693	245	
Lubricating oil	1,256	807	
Mineral grease	76	39	
Asphalt	179	169	
Tar and pitch	46	30	
Paraffin wax	21	42	
Petroleum jelly	7	8	
Salvador—			
Crude petroleum	18,572	} (a)	(a)
Motor spirit	6,449		
Kerosene	2,214		
Paraffin wax	551		
Asphalt	4		

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
United States—			
Crude petroleum ..	8,988,683	6,843,458	6,040,485
Motor spirit, etc. (b) ..	1,942,420	1,563,106	963,273
Kerosene (b)	25,465	1,461	9,960
Topped oils, including fuel oil (b)	3,651,254	3,499,722	3,041,399
Tops and other un- finished distillates (b)	20,859	5,598	1,670
Lubricating oil (b) ..	3,462	4,424	2,641
Paraffin wax, etc. ..	13,572	16,891	14,846
Mineral wax	4,471	2,169	578
Asphalt and bitumen ..	47,498	65,779	18,280
Argentina—			
Crude petroleum ..	539,240	353,076	220,798
Motor spirit	251,498	196,184	52,800
Kerosene	57,874	42,792	9,042
Fuel oil and gas oil ..	856,323	766,981	719,489
Lubricating oil ..	46,813	27,728	20,377
Petroleum jelly ..	252	284	159
Grease	3,349	1,663	769
Paraffin wax	7,845	6,826	5,448
Asphalt rock	16,550	14,553	7,408
Trinidad asphalt ..	14,399	17,220	4,898
Asphalt for roofing ..	1,891	1,335	963
Pitch	189	105	275
Bolivia—			
Motor spirit	5,715	}	(a)
Kerosene, etc.	1,445		
Fuel oil	24,993		
Lubricating oil ..	1,738		
Paraffin wax, etc. ..	1,262		
Asphalt and bitumen ..	72		
Brazil (total imports)—			
Motor spirit	275,081	210,917	141,440
Kerosene	89,037	96,981	46,326
Fuel oil	368,543	385,986	396,467
Lubricating oil ..	24,173	22,540	20,973
Petroleum jelly ..	152	273	158
Greases	916	519	382
Paraffin wax	889	575	907
Asphalt	8,543	2,406	1,581

(a) Information not available.

(b) Total imports. Re-exports of refined petroleum were 1,300, 1,000 and 2,800 long tons during 1930, 1931 and 1932 respectively.

(c) In addition 2,741,710,000 cu. ft. were exported in 1931.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Chile—			
Crude petroleum ..	579,546	198,515	105,240
Motor spirit	101,190	92,959	43,579
Kerosene	15,579	7,828	8,272
Fuel oil	271,759	246,702	81,865
Lubricating oil ..	15,326	6,792	4,437
Petroleum jelly ..	95	45	44
Greases.. .. .	1,241	503	305
Ozokerite	24	4	7
Crude asphalt ..	2,013	395	26
Paraffin wax ..	6,793	8,930	3,303
Tar and pitch ..	8,664	4,139	252
Colombia—			
Crude petroleum ..	882	}	(a)
Refined petroleum ..	369		
Motor spirit	13,033		
Fuel oil	19,442		
Lubricating oil ..	3,495		
Petroleum jelly ..	62		
Paraffin wax	5,709		
Asphalt, etc.	586		
Dutch Guiana—			
Motor spirit	402	432	}
Kerosene	1,109	1,102	
Gas oil	364	187	
Fuel oil	4,814	3,027	
Lubricating oil ..	157	155	
Ecuador—			
Petroleum, crude ..	17,105	18,359	}
do. refined	15	1	
Motor spirit	1,642	658	
Kerosene	756	327	
Lubricating oils and greases	921	711	
Paraffin wax, etc. ..	1,182	1,155	
Petroleum jelly ..	19	13	
Asphalt and bitumen..	509	264	
French Guiana—			
Motor spirit	323	497	607
Fuel oil	166	32	—
Lubricating oil ..	—	—	70

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
Peru—			
Crude petroleum ..	111	108	54
Motor spirit, etc. ..	598	550	346
Lubricating oil ..	2,218	979	810
Petroleum jelly ..	37	48	49
Paraffin wax	2,691	3,533	2,354
Asphalt and bitumen	940	307	193
Greases	253	79	48
Uruguay—			
Motor spirit, etc. ..	81,891	89,303	} (a)
Kerosene	35,309	37,165	
Gas oil	5,060	6,691	
Fuel oil	308,786	245,412	
Lubricating oil and greases	5,087	4,830	
Paraffin wax	164	169	
Petroleum jelly ..	18	40	
Venezuela—			
Motor spirit	3,551	2,860	1,425
Kerosene	675	316	87
Fuel oil	1,470	4,110	1,421
Petroleum jelly ..	15	—	—
Asphalt and bitumen..	1,578	388	354
Paraffin wax	2,067	1,762	1,708
Tar and pitch.. ..	856	522	511
China—			
Motor spirit	81,216	81,297	65,887
Kerosene	562,450	518,668	442,178
Fuel oil	202,868	227,336	234,660
Lubricating oil ..	43,114	34,074	27,351
Paraffin wax	24,368	35,710	23,441
Asphalt	12,075	13,328	9,059
Greases	1,446	1,338	868
Formosa—			
Crude and heavy oils	28,506	22,102	} (a)
Motor spirit	4,169	4,913	
Kerosene	14,711	12,892	
Other light oils ..	1,500	4,100	
Lubricating oil ..	6,746	4,265	
Grease	255	193	
Paraffin wax	203	341	

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont.)			
French Indo-China—			
Motor spirit	33,981	28,903	30,747
Kerosene	57,165	44,461	43,988
Fuel oil	11,522	10,263	14,843
Heavy oils, etc. ..	13,582	9,667	6,790
Petroleum jelly ..	25	6	15
Ozokerite	12	7	5
Paraffin wax, etc. ..	1,481	1,181	1,253
Asphalt and bitumen..	3,797	8,474	10,207
Iraq (b)—			
Motor spirit	281	2,067	3,092
Kerosene	5,888	4,867	4,399
Fuel oil	34,885	34,493	45,041
Lubricating oil ..	2,484	2,820	3,064
Japan (c) (d)—			
Crude oils	1,740,305	1,851,462	2,321,082
Motor spirit	9,476	7,504	4,670
Kerosene	403,015	436,872	485,031
Lubricating oil ..	20,524	19,804	19,345
Other oils	19,909	16,990	15,682
Petroleum jelly ..	356	242	272
Paraffin wax	18,834	22,395	23,063
Pitch and asphalt ..	12,313	10,795	8,764
Korea (c)—			
Crude and heavy oils..	34,152	40,279	50,321
Motor spirit	19,382	27,240	31,426
Kerosene	34,960	39,891	58,732
Lubricating oil ..	9,792	10,262	12,102
Paraffin wax	277	178	127
Netherlands East Indies—			
Crude petroleum ..	2	2	(a)
Motor spirit	4,425	3,828	8,138
Kerosene	51,387	50,702	16,701
Fuel and motor oils ..	51,168	9,764	(a)
Lubricating oil ..	14,016	9,982	7,377
Petroleum jelly ..	58	67	
Greases.. ..	626	517	
Paraffin wax	499	583	
Ceresin	43	30	(a)
Pitch	—	2	
Asphalt	30,754	26,060	

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(Cont).			
Persia (c) (e)—			
Crude petroleum	240	286	121
Motor spirit	14,250	13,960	18,139
Kerosene	30,317	34,322	43,417
Fuel oil	3,210	2,656	3,023
Lubricating oil	1,920	2,885	2,936
Greases.. ..	710	699	389
Philippine Islands—			
Motor spirit	67,324	104,598	86,951
Kerosene	55,009	75,659	45,091
Fuel oil	210,856	270,789	265,949
Other light oils	130	130	80
Lubricating oil	12,604	10,708	14,887
Residual oils	911	2,170	517
Mineral wax	2,745	2,076	2,037
Asphalt	7,280	6,897	8,081
Portuguese India—			
Motor Spirit	902	850	(a)
Kerosene	2,899	3,121	(a)
Siam (total imports)—			
Motor spirit	17,507	13,770	12,484
Kerosene	36,272	30,754	27,187
Fuel oil	42,243	36,422	30,980
Lubricating oil	5,202	4,453	4,701
Asphalt	2,394	1,221	377
Syria and Lebanon—			
Motor spirit	26,885	28,949	31,734
Kerosene	27,468	34,828	35,287
Fuel oil	8,379	5,645	9,686
Lubricating oils	3,222	2,952	2,255
Paraffin wax	56	85	66
Asphalt and bitumen..	5,109	8,792	3,741
Petroleum jelly	16	16	30

(a) Information not available.

(b) Years ended March 31 of the year following.

(c) Total imports.

(d) Excluding fuel oil imported on government account.

(e) Years ended March 21 of the year stated for 1930 and 1931 and June 21 for 1932.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES(<i>Cont.</i>)			
Turkey—			
Crude petroleum ..	135	414	5,597
Motor spirit	23,418	24,273	21,712
Kerosene	31,754	34,974	32,199
Fuel oil	31,580	21,841	23,762
Lubricating oil ..	4,904	4,417	4,761
Paraffin wax and vaseline	351	433	452
Ozokerite	101	34	32
Other heavy oil ..	197	2,035	11
New Caledonia—			
Motor spirit	2,519	1,569	1,248
Lubricating oil ..	844	793	381

PHOSPHATES

PRODUCTION OF PHOSPHATE-ROCK

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Seychelles (exports) ..	15,725	4,655	13,989
Union of South Africa ..	—	1,876	1,164
Canada	36	—	1,175
India	303	109	121
Christmas Island	119,933	65,849	84,197
Australia	26	609	869
Nauru Island	271,255	245,160	418,185
Ocean Island	172,050	130,450	196,875
Total ..	579,000	449,000	717,000
FOREIGN COUNTRIES			
Belgium (c)	39,742	48,325	36,000
Estonia	4,774	4,508	1,115
France	157,300	106,000	(a)
Poland	11,561	(a)	(a)
Spain	5,300	7,612	8,000
U.S.S.R. (Russia) (estimated)	220,300	325,000	450,000
Algeria	833,314	555,976	560,288
Egypt	308,527	252,952	344,256
Madagascar	11,000	8,000	(a)
Morocco (French zone) ..	2,065,534	925,769	988,162
Tunis	3,273,000	2,114,000	1,651,000
Netherlands West Indies (exports)	86,115	79,650	63,390
United States	3,951,353	2,577,535	1,711,050
French Indo-China	29,800	12,668	(a)
China	8,000	8,000	8,000
Formosa	56	(a)	(a)
Japan	27,275	20,814	(a)
Netherlands East Indies ..	1,238	108	2,681
Philippine Islands	1,467	256	(a)
Angaur Island (exports) ..	61,105	44,683	54,347
Makatea	226,000	137,000	118,745
New Caledonia	—	—	1,000
Total ..	11,300,000	7,200,000	6,100,000
WORLD'S TOTAL	11,900,000	7,700,000	6,800,000

Roumania produced 900 cu. metres of phosphatic guano during 1930.

(a) Information not available.

(c) In addition Phosphatic chalk was produced as follows:—

1930—98,200 long tons.

1931—36,425 long tons.

PRODUCTION OF SUPERPHOSPHATES
(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (c) ..	559,789	460,812	523,726
Union of South Africa ..	86,596	68,327	(a)
Canada (e)	(a)	(a)	45,921
Australia (e)	932,209	660,131	(d) 560,732
New Zealand (b)	219,413	216,049	(a)
FOREIGN COUNTRIES			
Austria	39,228	30,721	31,052
Belgium	362,000	251,000	252,000
Czechoslovakia	(f) 169,514	124,157	108,268
Denmark	317,000	233,355	171,700
Finland	32,310	14,892	12,351
France	2,095,400	1,493,000	1,542,459
Germany	851,000	501,000	556,000
Greece	63,944	35,656	32,667
Hungary	80,000	—	—
Italy	1,366,153	789,392	656,079
Latvia	46,680	36,809	43,524
Lithuania	44,700	42,700	39,000
Netherlands	649,111	495,000	467,000
Norway	23,810	9,645	20,500
Poland	271,157	40,169	23,434
Portugal	230,000	177,000	200,000
Roumania	13,051	—	304
Spain	983,879	873,828	1,039,099
Sweden	254,125	215,382	190,216
Switzerland	28,133	19,237	18,446
U.S.S.R. (Russia)	349,138	466,797	900,000
Yugoslavia	41,949	31,750	8,171
Algeria	71,700	30,500	63,561
Tunis	44,772	42,000	39,801
Morocco	28,000	25,000	24,162
United States	4,110,061	2,450,471	1,578,268
Japan	942,042	848,781	787,501

(a) Information not available.

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

(c) Including Irish Free State.

(d) Production of Victoria, South Australia and Western Australia only.

(e) Years ended June 30.

(f) Year ended January, 1931, and includes a small quantity of bone superphosphates.

PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (b) ..	240,000	165,000	160,000
FOREIGN COUNTRIES			
Belgium	976,000	(a)	(a)
Czechoslovakia	(c) 122,596	110,426	(a)
France—			
Saar	305,000	(a)	(a)
Other districts	1,339,500	1,228,286	818,741
Germany	1,292,247	885,485	(a)
Luxemburg	523,003	423,881	394,683
Sweden	14,291	10,010	(a)

(a) Information not available.

(b) Estimated amount ground and used as fertilizers.

(c) Year ended January 31st, 1931.

EXPORTS OF PHOSPHATES, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (<i>b</i>)—			
Superphosphates	17,762	10,500	13,037
Basic slag	11,571	13,455	25,700
Seychelles—			
Phosphatic guano	15,725	4,655	13,989
Christmas Island—			
Phosphate-rock	119,933	65,849	84,197
Australia (including re- exports)—			
Superphosphates	2	5	4
New Zealand—			
Superphosphates	1,000	864	968
Nauru and Ocean Islands—			
Phosphate-rock	443,305	375,610	615,060
FOREIGN COUNTRIES			
Austria—			
Superphosphates	241	—	—
Basic slag	25	8	4
Belgium-Luxemburg E.U.—			
Phosphate-rock	69,190	76,803	49,150
Superphosphates	150,744	230,556	214,546
Basic slag	1,026,682	990,167	927,532
Czechoslovakia—			
Superphosphates	2,569	315	142
Basic slag	17,830	13,945	1,848
Denmark—			
Superphosphates	16,560	9,005	5,008
Estonia—			
Phosphate-rock	4	—	—

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
France—			
Phosphate-rock	9,712	1,580	551
Superphosphates	196,803	83,399	35,743
Basic slag	976,879	995,569	536,817
Germany—			
Phosphate-rock, etc. ..	4,344	3,195	1,665
Superphosphates	73,788	50,530	29,142
Basic slag	290,437	170,348	49,612
Hungary—			
Superphosphates	24	12,803	6,883
Italy—			
Phosphate-rock	24	413	—
Superphosphates, including bone superphosphates ..	20,698	15,987	2,614
Basic slag	2	4	—
Latvia—			
Superphosphates	4,978	1,218	706
Basic slag	159	3	9
Netherlands—			
Phosphate-rock	295	244	—
Superphosphates	427,782	393,147	403,422
Basic slag	349	849	312
Norway—			
Superphosphates	357	—	107
Poland—			
Superphosphates	48,424	22,313	15,971
Basic slag	1	153	—
Portugal—			
Superphosphates	2,773	10	16
Roumania—			
Phosphate-rock	118	—	—
Superphosphates	80	100	15
Spain—			
Superphosphates	2,370	4,016	2,301
Basic slag	199	4,345	—
Sweden—			
Phosphate-rock	15	—	—
Superphosphates	27,590	16,239	30,971
Basic slag	—	984	—

(b) Including exports to Irish Free State. See also note (c) p. 310.

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Basic slag	—	29	11
Yugoslavia—			
Superphosphates	4,519	2,334	1
Algeria—			
Phosphate-rock	753,256	451,827	557,439
Superphosphates	14,594	12,906	28,306
Egypt—			
Phosphate-rock	309,208	190,644	410,492
Madagascar—			
Phosphate-rock	10,826	8,000	7,000
Morocco—			
Phosphate-rock	1,774,212	950,196	1,004,335
Superphosphates	13,201	9,694	7,605
Tunis (including re-exports)—			
Phosphate-rock	2,610,920	1,756,284	1,597,459
Superphosphates	5	5	—
Netherlands West Indies—			
Phosphate-rock	86,115	79,650	63,390
United States—			
Phosphate-rock	1,225,722	951,305	613,035
Superphosphates	111,659	81,587	23,883
Angaur Island—			
Phosphate-rock	61,105	44,683	54,347
French Indo-China—			
Phosphate-rock	12	—	—
Makatea—			
Phosphate-rock	169,342	109,672	118,745
New Caledonia—			
Phosphate-rock	—	2,500	—

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Phosphate-rock	454,999	257,222	352,702
Superphosphates	101,053	108,791	57,613
Basic slag	22,282	38,662	4,951
Irish Free State—			
Phosphate-rock	94,912	63,625	60,016
Superphosphates	42,496	31,863	37,072
Basic slag	38,771	28,555	10,130
Mauritius—			
Superphosphates	460	341	529
Phosphatic guano	1,578	872	1,557
Nyasaland—			
Phosphates	129	247	(a)
Southern Rhodesia—			
Superphosphates	3,568	2,410	3,784
Union of South Africa—			
Phosphate-rock	52,078	56,767	43,605
Superphosphates	95,119	49,813	68,149
Basic slag	10,886	8,695	5,812
Canada—			
Phosphate-rock	42,148	126,538	58,511
Superphosphates	114,188	87,543	54,195
Basic slag	8,532	11,554	6,844
British India (total imports)—			
Superphosphates	—	2,910	3,781
British Malaya—			
Phosphate-rock	—	30	90
Ceylon—			
Phosphate-rock	12,234	4,849	941
Superphosphates	5,430	4,267	4,294
Basic slag	1,920	1,480	801
Australia—			
Phosphate-rock	512,556	284,713	441,925
Superphosphates	26	—	—
New Zealand—			
Phosphate-rock	119,293	149,837	198,552
Superphosphates	21	299	—
Basic slag	61,795	70,322	46,303

(a) Information not available.

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock	30,667	15,256	8,442
Superphosphates	6,587	1,692	1,357
Basic slag	47,177	41,885	27,871
Belgium-Luxemburg E. U.—			
Phosphate-rock	358,177	238,087	247,425
Superphosphates	19,018	15,629	17,155
Basic slag	105,567	144,591	72,692
Czechoslovakia—			
Phosphate-rock	123,464	67,165	46,863
Superphosphates	4,814	3,431	788
Basic slag	19,324	34,871	28,669
Denmark—			
Phosphate-rock	187,526	124,322	89,219
Superphosphates	180,561	109,934	85,586
Basic slag	11,647	5,398	2,352
Estonia—			
Phosphate-rock	—	231	—
Superphosphates	21,248	20,542	18,394
Basic slag	1,533	492	—
Finland—			
Phosphate-rock	17,048	13,286	23,290
Superphosphates	9,483	10,123	3,923
Basic slag	30,993	30,876	16,556
France—			
Phosphate-rock	1,530,842	945,857	848,661
Superphosphates	20,329	61,646	126,987
Basic slag	6,449	34,605	63,487
Germany—			
Phosphate-rock, etc. ..	821,234	606,674	401,474
Superphosphates	107,709	(b) 114,534	(b) 119,950
Basic slag	1,140,326	1,086,789	783,189
Hungary—			
Phosphate-rock	32,638	909	(a)
Superphosphates	9,572	2,398	84
Basic slag	3,968	1,142	—
Iceland—			
Superphosphates	197	(a)	(a)
Italy—			
Phosphate-rock	855,460	442,343	389,146
Superphosphates, including bone superphosphates ..	28,672	32,999	20,762
Basic slag	55,826	38,271	37,336

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Phosphate-rock	33,863	17,853	26,537
Superphosphates	31,379	13,064	347
Basic slag	21,566	22,988	4,159
Lithuania—			
Phosphate-rock	27,938	20,831	24,709
Superphosphates	57,186	47,229	28,043
Basic slag	16,631	11,870	5,370
Netherlands—			
Phosphate-rock	445,969	291,488	305,886
Superphosphates	44,892	41,128	52,657
Basic slag	377,919	279,935	257,170
Norway—			
Phosphate-rock	13,430	5,230	11,553
Superphosphates	29,965	30,931	28,193
Basic slag	14,972	9,859	7,935
Poland—			
Phosphate-rock	150,496	55,728	14,485
Superphosphates	2,255	368	156
Basic slag	131,500	103,482	50,804
Portugal—			
Phosphate-rock	99,581	106,298	108,606
Superphosphates	4,236	531	631
Roumania—			
Phosphate-rock	7,058	244	2
Superphosphates	411	47	7
Spain (total imports)—			
Phosphate-rock	573,500	439,281	554,477
Superphosphates	27,089	3,512	133
Basic slag	7,010	2,935	4,475
Sweden—			
Phosphate-rock	135,333	120,044	81,225
Superphosphates	14,281	19,946	7,345
Basic slag	377	445	340
Switzerland—			
Superphosphates	17,276	15,096	10,350
Basic slag	98,560	125,363	70,869
U.S.S.R. (Russia)—			
Phosphate-rock	47,021	—	—
Superphosphate	62,364	42,872	1

(a) Information not available.

(b) Figures supplied by the International Superphosphates Manufacturers' Association.

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Phosphate-rock (estimated)	47,800	25,545	3,100
Superphosphates	98	1	—
Basic slag	2,732	1,217	354
Algeria—			
Superphosphates	30,923	25,051	25,781
Double superphosphates, etc.	304	257	128
Basic slag	3,573	9,554	4,773
Egypt—			
Superphosphates	44,629	31,431	22,181
Basic slag	—	7	7
Tunis—			
Phosphate-rock	—	12,967	19,213
Superphosphates	6,745	10,739	4,480
Cuba—			
Superphosphates, etc. ..	16,437	7,917	(a)
French West Indies—			
Martinique—			
Superphosphates	1,215	(a)	(a)
Basic slag	232	(a)	(a)
United States—			
Phosphate-rock	32,658	13,496	6,375
Other crude phosphates ..	60	1,249	89
Superphosphates	(a)	5,337	21,881
Basic slag	3,913	1,464	2,189
Chile—			
Superphosphates	3	—	(a)
Basic slag	23,103	6,344	2,657
China—			
Superphosphates	(a)	(a)	1,310
Formosa—			
Phosphate-rock	4,500	2,000	(a)
Superphosphates	34,541	31,607	(a)
French Indo-China—			
Superphosphates	11,169	3,741	1,207
Japan (total imports)—			
Phosphate-rock	561,290	405,509	550,583
Netherlands East Indies—			
Superphosphates	8,499	5,580	5,002
Philippine Islands—			
Superphosphates	743	1,503	1,165
Syria and Lebanon—			
Phosphates	1,072	113	307

(a) Information not available.

PLATINUM**PRODUCTION OF PLATINUM METALS**

(Troy ounces)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Sierra Leone—			
Crude	542	594	527
Union of South Africa—			
Crude (<i>content</i>)	49,375	41,220	7,766
Concentrates (<i>content</i>)	5,967	5,943	1,480
Osmiridium	5,732	6,306	6,523
Canada—			
Platinum from placers (<i>content</i>)	17	50	55
Recovered from Ontario nickel-copper matte:			
Platinum	34,007	44,725	27,288
Palladium	29,959	39,313	} 37,613
Other metals	4,133	7,605	
New South Wales—			
Platinum from placers	155	283	336
Tasmania—			
Osmiridium from placers	953	1,280	785
New Zealand—			
Platinum from placers..	3	1	—
Papua (years ended June 30)			
Platinum from placers..	—	—	2
Osmiridium from placers	11	20	1
FOREIGN COUNTRIES			
U.S.S.R. (Russia)—			
Crude platinum from placers (estimated) ..	100,000	100,000	100,000
Abyssinia—			
Platinum (unrefined) ..	3,805	(b) 6,000	8,217

(a) Information not available.

(b) Estimated.

PRODUCTION OF PLATINUM METALS (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
United States ^(b) —			
Platinum from placers..	527	885	1,074
New platinum metals recovered by refineries from domestic produce—			
Platinum	5,348	5,595	1,912
Palladium	3,656	2,597	1,148
Iridium	128	78	78
Osmiridium	57	35	46
Others	119	88	8
Colombia—			
Platinum from placers..	40,803	35,793	40,477
Japan—			
Platinum from placers..	128	275	(a)

(a) Information not available.

(b) Secondary metals were recovered as follows (troy ounces)—

	1930	1931	1932
Platinum	33,787	33,837	21,635
Palladium	7,426	6,331	5,783
Iridium	4,354	1,823	3,726
Others	1,749	1,743	1,444

EXPORTS OF PLATINUM.*

*(Domestic Produce)**(Troy ounces)*

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	50	47	—
Refined platinum	16,064	14,847	6,889
Alloys	44	425	247
Sierra Leone—			
Unrefined platinum ..	488	590	494
Union of South Africa—			
Osmiridium	5,484	5,773	5,384
Platinum	41,132	38,021	7,800
Canada—			
Concentrates, etc. (<i>content</i>)	19,835	14,202	14,570
Scrap	285	81	50
Australia (including re-exports)—			
Bars, blocks, rods, plates, etc.	693	1,652	1,103
Osmiridium	290	1,335	1,067
New Zealand—			
Refined platinum	2	14	22
Papua (years ended June 30)—			
Osmiridium	29	47	1
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire ..	30	30	30
Belgium-Luxemburg E.U.—			
Unwrought platinum ..	(£2,700)	(£50,100)	(£115,700)
France—			
Unwrought platinum and scrap	2,797	4,373	14,564
Drawn or rolled platinum ..	16,429	16,847	7,170
Germany—			
Platinum metals and alloys	58,762	84,765	22,342
Italy—			
Sheets, bars, dust, scrap, etc.	836	1,132	1,262
Netherlands—			
Unwrought platinum ..	64	418	1,190
Poland—			
Ingots, sheets, wire, etc. ..	34	31	48

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

EXPORTS OF PLATINUM (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Sweden—			
Unwrought platinum ..	44	71	99
Switzerland—			
Unwrought platinum ..	96	225	1,061
U.S.S.R. (Russia)	(<i>b</i>)	(<i>b</i>)	(<i>b</i>)
United States—			
Platinum	1,037	1,209	20,106
Colombia—			
Crude platinum }	46,230	(<i>a</i>)	16,055
Other platinum }			

(*a*) Information not available.

(*b*) Exports of platinum from U.S.S.R. (Russia) are not published.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	7,973	16,897	2,196
Refined platinum	8,609	43,171	(b) 39,345
Alloys	9	62	207
Canada—			
Bars, sheets, wire, etc. ..	(£17,957)	(£9,686)	(£7,459)
Crucibles	(£2,515)	(£1,522)	(£2,164)
Newfoundland (year ended June 30)—			
Platinum	(£6)	(£74)	—
Australia—			
Bars, rods, plates, etc. ..	533	186	380
New Zealand—			
Bars, blocks and rods, etc.	103	51	49
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire ..	3,000	3,000	800
Belgium-Luxemburg E.U.—			
Unwrought platinum ..	(£25,500)	(£20,200)	(£18,200)
Bulgaria—			
Ingots, bars, sheet and wire	42	2	28
Denmark—			
Rods, sheets and wire ..	64	32	96
Finland—			
Unwrought platinum ..	37	32	21
France—			
Unwrought platinum and scrap	35,302	38,902	32,504
Drawn or rolled platinum..	7,652	8,231	3,987
Germany—			
Platinum metals and alloys	109,525	110,422	107,605
Italy—			
Bars, dust and scrap ..	1,543	2,268	3,579
Sheets and foil	3,504	1,915	37
Wire	707	255	38
Latvia—			
Ingots, sheets and wire ..	6	—	9

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

(b) Excess of re-exports.

IMPORTS OF PLATINUM (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Netherlands—			
Unwrought platinum ..	2,604	3,279	2,797
Norway—			
Unwrought platinum ..	(£110)	—	—
Sheets, rolled and wire ..	106	120	30
Poland—			
Ingots, sheets, wire, etc. ..	134	588	274
Roumania—			
Ingots, sheets and wire ..	72	103	318
Spain (total imports)—			
Unwrought platinum ..	267	945	1,926
Sweden—			
Unwrought platinum ..	64	262	3
Switzerland—			
Unwrought platinum ..	643	1,125	1,254
Egypt—			
Ingots, bars, sheets, etc. ..	714	331	339
Cuba (total imports)—			
Bars	627	3	(a)
United States—			
Platinum content of ore ..	—	1,097	160
Platinum	106,155	90,631	33,058
Iridium, palladium, etc. ..	33,066	37,904	22,829
Brazil (total imports)—			
Ingots, sheets and wire ..	298	322	204
Venezuela—			
Unwrought platinum ..	—	586	16
Japan (total imports)—			
Platinum	15,528	32,229	11,075
Turkey—			
Plates, sheets and wire ..	257	32	(a)

(a) Information not available.

POTASH MINERALS

PRODUCTION OF POTASH
(Long tons)

Producing Country and Description	1930	1931	1932	K ₂ O Content or Equivalent		
				1930	1931	1932
BRITISH EMPIRE						
Palestine— Carnallite ..	—	40,000	100,000	—	(a)	(a)
India— Nitrate (estimated)	4,600	7,000	9,000	2,200	3,400	4,300
Total (estimated)				2,200	(a)	(a)
FOREIGN COUNTRIES						
France(c)— K ₂ O equivalent— Sylvinite, etc. :						
12-16 % ..	214,301	114,872	102,213	} 498,373	363,544	316,155
18-22 % ..	649,360	447,697	388,361			
30-40% ..	207,776	146,165	94,849			
50 % and over	464,496	363,544	337,324			
Germany— Kainite, sylvinite, etc.	9,935,271	6,881,691	5,688,310	1,406,851	961,232	797,314
Carnallite, etc. ..	1,838,053	1,042,548	625,896	176,259	99,390	60,278
Italy— Leucite	40,500	16,000	43,000	(a)	(a)	(a)
Alunite	812	974	700	80	100	70
Poland— Kainite	99,191	58,186	44,108	9,919	5,819	4,411
Sylvite	201,591	199,006	249,996	(a)	(a)	(a)
Spain(b)— Crude salts ..	281,912	84,470	403,414	28,192	27,672	53,945
Nitrified earth ..	900	1,100	(a)	(a)	(a)	(a)
Egypt— Crude salts ..	—	1	8	—	—	(a)
United States— Crude salts ..	94,473	119,571	127,786	54,705	57,036	55,348
Korea— Alunite (impure)	11,523	13,600	(a)	(a)	(a)	(a)
Total ..				2,220,000	1,560,000	1,310,000
WORLD'S TOTAL				2,220,000	1,560,000	1,320,000

(a) Information not available.

(b) In addition, 600 cubic metres of alunite were produced in 1930.

(c) Crude salts mined were as follows—

1930—3,085,654 long tons.

1931—2,162,000 " "

EXPORTS OF POTASH SALTS
(*Domestic Produce*)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts	531	204	367
Chromate and bichromate	796	886	737
Nitrate	580	717	994
Other compounds	1,563	2,085	1,571
Canada—			
Fertilizer salts	5	7	—
Aden (including re-exports)—			
Compounds	249	267	268
British India—			
Nitrate	3,827	6,156	8,289
Other compounds	50	—	—
British Malaya (including re-exports)—			
Nitrate	217	114	185
Hong Kong (including re- exports)—			
Nitrate	(b) 80	112	72
Chlorate	(b) 3,064	1,178	1,046
FOREIGN COUNTRIES			
Austria—			
Fertilizer salts	3	—	5
Carbonate	24	14	37
Caustic potash	3	3	4
Chloride	17	—	—
Nitrate	226	246	305
Belgium-Luxemburg E.U.—			
Fertilizer salts	30,782	217,409	100,729
Carbonate	2,005	2,553	2,305
Caustic potash and lyes ..	1,963	1,811	1,762
Chloride	11,570	135,456	66,959
Chlorate	7	26	118
Chromate and bichromate including those of sodium	864	208	536
Nitrate	117	15	264
Sulphate	3,641	3,879	2,982
Bulgaria—			
Carbonate	149	25	—
Czechoslovakia—			
Fertilizer salts	4	1	1
Carbonate	3,140	2,945	1,423
Chloride	1,186	1,109	646

EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia (Cont.)—			
Manganate and permanganate, including those of			
sodium	1,138	1,032	679
Nitrate	104	85	24
Sulphate	804	718	635
Sulphide, including sodium			
sulphide	322	83	41
Finland—			
Chlorate	2,571	2,652	975
France—			
Kainite	50	7	39
Carbonate	357	482	766
Caustic potash	4,697	4,361	6,004
Chlorate	2,474	2,033	2,699
Chloride	768,625	465,339	316,662
Chromates	10	2	5
Nitrate—			
Natural	113	333	485
Synthetic	3,988	3,215	1,732
Sulphate	2,699	1,775	2,957
Germany—			
Fertilizer salts (9–12% K ₂ O)	202	} 532,336	453,724
do. (12–17·9% K ₂ O)	175,095		
do. (18–42% K ₂ O) ..	800,725		
do. (other) ..	3,418		
Carbonate and wool grease ash	13,388	12,225	12,031
Caustic potash	31,394	31,240	30,203
Chlorate	11,999	12,248	10,631
Chloride	225,011	(c)	(c)
Magnesium potassium sulphate	55,551	(c)	(c)
Manganate and permanganate			
.. .. .	611	931	570
Nitrate	25,590	35,675	27,982
Sulphate	194,215	349,666	219,237
Hungary—			
Fertilizer salts	233	85	84
Carbonate	824	1,014	761
Italy—			
Fertilizer salts	17	215	36
Carbonate	7	4	4
Caustic potash	4	1	8
Chloride	34	41	15

(b) April–December only.

(c) Included with sulphate.

EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Fertilizer salts	299	141	125
Caustic potash	632	627	964
Chloride	428	319	394
Nitrate	976	295	115
Sulphate	60	194	439
Poland—			
Fertilizer salts	15,136	67,791	59,047
Carbonate	23	—	—
Caustic potash	221	116	15
Chlorate	108	184	214
Nitrate	—	1	—
Roumania—			
Chlorate	41	23	2
Spain (including re-exports)—			
Fertilizer salts	22,180	25,244	64,947
Caustic potash and soda ..	7	154	261
Sweden—			
Carbonate	1	4	11
Chlorate	3,479	4,138	4,553
Caustic potash	584	521	369
Switzerland—			
Caustic potash and soda ..	64	3	4
Nitrate (crude)	500	15,273	17,786
Nitrate, including nitrate of soda (pure)	6,936	3,677	1,483
U.S.S.R. (Russia)—			
Potash	5,007	509	—
Yugoslavia—			
Carbonate	29	45	—
United States—			
Fertilizer salts	15,216	28,982	1,816
Compounds	1,121	1,035	792
Chile—			
Potassium compounds ..	15	2	(a)
China—			
Carbonate	(a)	(a)	15
Japan—			
Chlorate	3	11	274
Iodide	15	51	61

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts	112,780	101,166	68,092
Carbonate	2,745	2,993	2,846
Caustic potash and lyes	6,146	6,025	5,346
Chlorate	1,116	1,224	1,015
Chloride	27,388	37,155	37,017
Nitrate	5,057	4,294	5,428
Sulphate	14,617	24,722	23,025
Other compounds	1,678	1,433	673
Irish Free State—			
Kainite	13,031	12,219	6,506
Other compounds	214	245	88
Mauritius—			
Nitrate	4,918	2,484	2,897
Sulphate	76	46	30
Northern Rhodesia—			
Compounds	11	63	45
Nyasaland—			
Potash minerals	172	175	(a)
Southern Rhodesia—			
Compounds	75	18	21
Union of South Africa—			
Fertilizer salts	4,969	2,756	2,458
Nitrate	125	137	168
Other compounds	853	756	620
Canada—			
Fertilizer salts	32,991	27,792	16,977
Nitrate	422	935	331
Crude sulphate	1,847	3,565	1,201
Other compounds	1,798	1,953	1,360
Aden (total imports)—			
Compounds	252	209	302
British India (total imports)—			
Bichromate	198	276	300
Chlorate	2,124	1,465	2,203
Chloride	5,270	4,550	4,192
Other compounds	569	293	276
British Malaya (total im- ports)—			
Nitrate	290	139	224
Ceylon—			
Kainite	3,587	1,334	99
Chloride	5,066	4,894	5,269
Nitrate refuse	2,820	2,942	1,974
Sulphate	860	734	504

(a) Information not available.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Hong Kong (total imports)—			
Nitrate	(b) 693	1,160	751
Chlorate	(b) 1,113	1,475	1,128
Australia—			
Cyanides, including sodium cyanide	612	840	948
Nitrate	1,042	480	411
Other compounds	1,353	1,198	1,897
New Zealand—			
Kainite	1,059	397	710
Other fertilizer salts	6,280	3,506	2,607
Chlorate	81	50	28
Nitrate	64	77	77
Sulphate	1,296	772	564
Other compounds (£ New Zealand)	(£12,574)	(£7,525)	(£8,930)
FOREIGN COUNTRIES			
Austria—			
Fertilizer salts	14,628	15,151	13,351
Carbonate	576	691	699
Caustic potash	481	530	417
Chloride	619	778	931
Nitrate	10	26	1
Sulphate	136	114	132
Belgium-Luxemburg E.U.—			
Fertilizer salts	135,695	306,645	193,527
Carbonate	976	1,633	1,365
Caustic potash and lyes	8,743	10,566	11,275
Chlorate	911	799	698
Chloride	36,933	156,569	91,200
Chromate and bichromate, including those of sodium	184	450	471
Manganate and permanganate	242	190	100
Nitrate	1,695	2,304	1,908
Sulphate	2,447	1,983	6,746
Bulgaria—			
Carbonate	4	2	15
Caustic potash	22	15	13
Chromates	24	29	29
Nitrate	153	108	93
Sulphate and chloride	30	37	6

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Kainite	32,160	26,004	23,609
Fertilizer salts (18-24% K ₂ O)	1,417	1,515	1,629
do. do. (38-44% K ₂ O)	51,342	39,465	34,984
do. do. (other) ..	123	44	40
Chloride	5,821	4,594	2,085
Nitrate	52	47	2
Sulphate	17	20	29
Denmark—			
Kainite	3,123	347	—
Fertilizer salts			
(20% K ₂ O or less)	515	68	305
do. (37%—40% K ₂ O)	74,490	42,944	38,906
do. (other)	—	509	225
Carbonate	690	796	734
Caustic potash	3,230	4,118	4,128
Chlorate	124	137	128
Chromate	28	16	24
Nitrate	1,491	1,678	1,674
Estonia—			
Fertilizer salts	5,027	3,259	2,242
Carbonate	33	12	16
Chlorate	87	57	47
Nitrate	16	21	21
Finland—			
Fertilizer salts	19,595	16,643	11,325
Carbonate	281	56	193
Caustic potash	26	39	25
Chlorate	11	1	3
Chloride	2,343	874	1
Chromates	69	75	100
Nitrate	35	50	40
France—			
Alunite	15	64	2
Carbonate	1,607	1,036	887
Caustic potash	391	250	218
Chlorate	36	15	20
Chromate and bichromate..	565	545	513
Chloride	1,367	4,552	7,766
Nitrate	210	179	9
Sulphate	2,325	3,907	620

(b) April to December only.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Germany—			
Fertilizer salts	39	19	15
Carbonate and wool grease ash	938	942	195
Caustic potash	423	126	116
Chlorate	15	15	9
Nitrate	66	12	—
Sulphate	210	7	20
Greece—			
Carbonate	348	359	166
Caustic potash	32	11	8
Nitrate	155	132	75
Hungary—			
Fertilizer salts	2,323	424	496
Carbonate	31	16	1
Caustic potash	150	154	157
Chlorate	236	240	253
Iceland—			
Fertilizer salts	6	(a)	(a)
Carbonate	11	(a)	(a)
Caustic potash	11	(a)	(a)
Nitrate	8	(a)	(a)
Italy—			
Fertilizer salts	39,355	16,517	28,598
Carbonate	1,272	948	1,115
Caustic potash	3,196	2,533	2,819
Chlorate	123	89	74
Nitrate	1,720	2,496	1,060
Latvia—			
Fertilizer salts	15,641	11,649	10,037
Carbonate	256	77	96
Caustic potash	57	78	101
Chlorate	102	90	81
Nitrate	26	37	41
Sulphate	9	3	745
Lithuania—			
Kainite, etc.	901	725	441
Fertilizer salts (20-40% K ₂ O)	5,623	3,322	1,306
do. other	435	332	512
Nitrate	35	92	100

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Kainite	33,199	19,219	10,964
Fertilizer salts (20% K ₂ O)	236,086	91,524	96,742
do. do. (40% K ₂ O)	79,347	25,542	52,284
Caustic potash	670	570	810
Chloride	6,212	2,799	2,527
Nitrate	1,503	1,435	1,363
Sulphate	2,700	314	333
Norway—			
Fertilizer salts	24,647	19,132	19,318
Carbonate	531	460	413
Caustic potash and lyes ..	1,706	1,464	1,323
Chloride	141	199	112
Nitrate	153	117	94
Poland—			
Fertilizer salts	21,893	3,745	47
Carbonate	585	171	218
Caustic potash	146	109	179
Chlorate	59	114	19
Nitrate	412	474	197
Portugal—			
Carbonate	183	182	30
Caustic potash	8	10	10
Chlorate	141	145	124
Chloride	1,314	803	689
Nitrate	364	229	281
Sulphate	1,255	935	739
Roumania—			
Fertilizer salts	432	185	69
Carbonate and bicarbonate	119	90	88
Caustic potash	52	73	60
Chlorate	13	10	10
Nitrate	149	53	44
Spain (total imports)—			
Fertilizer salts	13,537	8,180	7,532
Carbonate	341	341	176
Caustic potash and soda ..	431	359	327
Chlorate	2	2	20
Permanganate	15	24	12

(a) Information not available.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Fertilizer salts (20% K ₂ O)	20,744	22,921	17,889
do. (40% K ₂ O)	64,760	42,758	45,415
do. (other) ..	3,534	6,291	893
Carbonate	1,508	1,738	1,253
Caustic potash	2,359	3,259	2,705
Chlorate	21	10	4
Chloride	6,678	7,923	4,072
Nitrate	537	543	456
Switzerland—			
Fertilizer salts	26,557	22,159	22,028
Carbonate	446	501	369
Caustic potash—			
Liquid, including caustic soda.. ..	286	197	130
Solid	1,253	1,275	1,254
Chloride	2,947	1,628	968
Nitrate, crude	1,781	1,089	1,139
Nitrate purified, including sodium nitrate	429	376	287
U.S.S.R. (Russia)—			
Fertilizer salts	494	13	—
Carbonate	105	—	—
Nitrate	3,054	2,170	1,352
Yugoslavia—			
Fertilizer salts	2,531	1,537	558
Carbonate	114	55	37
Caustic potash	78	27	52
Chromates	20	30	74
Nitrate	28	27	13
Algeria—			
Fertilizer salts	7,521	9,794	} (a)
Carbonate	18	9	
Caustic potash	25	44	
Chlorate	45	104	
Nitrate	97	32	
Sulphate	1,771	2,275	
Cameroon (French)—			
Potash salts	15	5	1

IMPORTS OF POTASH-SALTS (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Fertilizer salts	813	1,192	2,500
Carbonate	3	1	1
Caustic potash	3	23	5
Chlorate	2	9	6
Chromates, including those of sodium	283	307	286
Manganates	9	35	28
French Togoland—			
Carbonate	13	4	5
Morocco—			
Fertilizer salts	2,855	3,402	2,293
Carbonate	369	203	258
Tunis—			
Carbonate	14	9	209
Chlorate	5	3	7
Chloride	—	1,245	1,542
Nitrate	118	6	17
Sulphate	30	756	167
French West Indies—			
Martinique—			
Nitrate	69	(a)	(a)
Mexico—			
Nitrate, including nitrate of soda	6,450	4,551	
United States—			
Kainite (total imports) ..	112,013	55,329	49,374
Carbonate	8,134	6,071	4,666
Caustic potash (total im- ports)	4,162	3,852	2,223
Chlorates (total imports) ..	6,744	5,543	5,095
Chloride	269,005	179,675	78,284
Cyanide (total imports) ..	41	42	24
Nitrate (total imports) ..	12,799	15,509	17,067
Sulphate (total imports) ..	86,254	56,842	28,071
Argentina—			
Bichromate	172	98	66
Carbonate	31	53	25
Caustic potash	26	67	105
Chlorate	32	135	42
Cyanide	44	37	25
Nitrate	171	145	172
Sulphate	10	1	1

(a) Information not available.

IMPORTS OF POTASH (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Brazil (total imports)—			
Caustic potash	39	16	18
Nitrate	1,362	1,851	2,966
Potash and soda ash ..	9,556	7,973	8,453
Chile—			
Fertilizer salts	(a)	746	20
Bichromate	47	36	60
Carbonate	29	8	19
Caustic potash	50	14	20
Chlorate, etc.	119	96	(a)
Nitrate, etc.	14	14	1
Sulphate	—	10	1
Colombia—			
Bichromate	1	} (a)	} (a)
Caustic potash	13		
Chlorate	69		
Nitrates of potash and soda	10		
Ecuador—			
Bichromate	1	2	} (a)
Caustic potash	18	6	
Chlorate	10	11	
Peru—			
Fertilizer salts	401	558	120
Caustic potash	84	71	15
Venezuela—			
Carbonate	22	3	9
Caustic potash	7	8	2
Nitrate	12	32	52
China—			
Chromates	(a)	(a)	186
Chlorate	(a)	(a)	4,006
Nitrate	1,357	1,652	1,532
Formosa—			
Chloride	486	271	(a)
Sulphate	2,403	1,064	(a)
French Indo-China—			
Carbonate	243	150	91
Chlorate	395	341	59
Chloride	1,039	120	—
Nitrate	160	59	30
Sulphate	397	173	5

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan (total imports)—			
Bichromate	329	160	104
Chlorate	2,145	2,278	1,003
Chloride	23,534	28,020	13,957
Cyanide, including sodium cyanide	644	583	448
Sulphate	66,745	37,902	18,402
Netherlands East Indies—			
Fertilizer salts	2,459	856	} (a)
Caustic potash	89	75	
Nitrate	182	149	
Philippine Islands—			
Chlorate	11	26	6
Sulphate	302	345	428
Syria and Lebanon—			
Caustic potash	45	3	1
Chloride	10	—	—
Turkey—			
Carbonate	113	649	495
Caustic potash	497	5	33

(a) Information not available.

PYRITES

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

Producing Country	1930	1931	1932	Estimated Sulphur Content		
				1930	1931	1932
BRITISH EMPIRE						
United Kingdom	5,497	1,979	992	(a)	(a)	(a)
Southern Rhodesia	—	—	268	—	—	107
Union of South Africa	3,547	3,708	3,382	(a)	(a)	(a)
Canada (c)	47,852	56,512	46,464	24,766	28,367	23,175
Cyprus	257,028	193,845	159,858	128,514	96,923	80,636
India	23	—	—	(a)	—	—
Australia	—	507	274	—	(a)	(a)
Total ..	314,000	257,000	211,000			
FOREIGN COUNTRIES						
Czechoslovakia ..	23,253	20,367	15,393	9,185	8,045	6,154
France	193,219	189,686	187,743	88,244	87,200	86,400
Germany	285,165	220,459	172,449	122,163	95,025	74,154
Greece	175,000	139,208	(a)	84,054	66,292	(a)
Hungary	1,052	(a)	(a)	(a)	(a)	(a)
Italy	705,942	635,560	508,796	309,838	295,662	234,000
Norway	719,407	354,266	715,538	318,965	157,544	313,951
Poland	10,872	3,534	—	4,700	1,500	—
Portugal	393,902	282,671	234,116	190,000	130,000	110,000
Roumania	23,881	24,393	(a)	10,000	10,000	(a)
Spain	3,362,507	2,552,965	(a)	1,450,000	1,240,000	(a)
Sweden	59,486	56,699	70,404	27,295	35,423	44,700
U.S.S.R. (Russia)						
(years ended						
Sept. 30) ..	237,900	(a)	(a)	(a)	(a)	(a)
Yugoslavia ..	49,550	29,064	15,481	(a)	(a)	(a)
Algeria	16,367	21,467	21,318	7,362	9,600	9,600
United States (b) ..	347,512	330,848	186,485	124,226	121,503	64,897
Japan	552,532	551,522	(a)	(a)	(a)	(a)
Total ..	7,200,000	(d) 5,400,000	(a)			
WORLD'S TOTAL	7,500,000	(d) 5,700,000	(a)			

(a) Information not available.

(b) Includes by-product pyrite from zinc operations in Wisconsin and New York, and pyrite and pyrrhotite concentrates from copper operations in Tennessee.

(c) Includes pyrite ore also concentrates made from copper ores.

(d) Excluding U.S.S.R. (Russia).

EXPORTS OF PYRITES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom— Iron-pyrites and cupreous pyrites	28,533	18,365	7,811
Canada— Pyrites (<i>S content</i>)	23,743	23,762	15,585
Cyprus— Cupreous pyrites	238,488	199,786	177,630
FOREIGN COUNTRIES			
Czechoslovakia— Pyrites	159	15	—
Denmark— Pyrites	—	369	—
France— Iron-pyrites.. .. .	462	2,996	17,970
Germany— Pyrites, etc... .. .	42,218	42,044	31,329
Greece— Iron-pyrites	109,222	128,808	88,431
Italy— Iron-pyrites	241,596	245,392	256,683
Netherlands— Iron-pyrites	3,900	5,955	5,459
Norway— Iron-pyrites.. .. . Cupreous pyrites	208,722 420,718	168,469 217,099	192,841 274,363
Poland— Iron-pyrites.. .. .	4,133	59	20

EXPORTS OF PYRITES (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Portugal—			
Copper ore and cupreous pyrites	352,687	235,104	199,211
Roumania	908	318	266
Spain (including re-exports)—			
Iron-pyrites.. .. .	1,949,050	1,374,735	1,303,044
Cupreous pyrites, containing not more than 2½ % Cu ..	755,358	502,912	346,611
Copper ore and cupreous pyrites, containing more than 2½ % Cu	2,700	—	14
Sweden	—	2,520	1,476
Yugoslavia	30,380	19,847	10,165
United States	15,391	26,604	—

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Iron and cupreous pyrites	330,662	268,280	300,640
Irish Free State	32,903	32,113	21,223
Union of South Africa—			
Iron-pyrites.. ..	6,322	7,341	7,000
British India (total imports)—			
Cupreous pyrites	2	—	—
FOREIGN COUNTRIES			
Austria—			
Iron-pyrites.. ..	60,381	48,657	47,465
Czechoslovakia	205,875	125,987	93,182
Denmark	105,995	56,337	52,596
France—			
Iron-pyrites.. ..	833,265	575,199	546,473
Germany—			
Pyrites, etc.	944,434	694,883	640,510
Hungary	33,252	6,603	152
Italy—			
Iron-pyrites.. ..	206,545	102,793	98,160
Cupreous pyrites	—	—	9,753
Latvia	14,925	10,408	5,569
Netherlands—			
Iron-pyrites.. ..	263,945	317,215	348,278
Norway	30	—	—
Poland—			
Iron-pyrites.. ..	56,630	16,988	28,372
Roumania	2,995	1	—
Sweden—			
Pyrites	183,785	133,907	119,691
Yugoslavia	15,903	7,285	—
Morocco (French zone)—			
Iron pyrites	6,259	6,075	3,479
United States	368,114	352,066	253,248

QUICKSILVER

PRODUCTION OF QUICKSILVER

(Lb.)

Producing Country	1930	1931	1932
BRITISH EMPIRE.			
New Zealand	4,040	34,200	—
FOREIGN COUNTRIES			
Austria	6,217	998	2,200
Czechoslovakia	156,570	168,927	99,180
Italy	4,261,281	2,861,679	2,240,000
Roumania	—	551	(a)
Spain	1,460,803	1,503,843	(a)
U.S.S.R. (Russia) (years ended Sept. 30)	250,000	(a)	(a)
Algeria	48,500	82,000	90,041
Mexico	375,941	554,183	557,176
United States	1,638,028	1,895,972	959,272
Bolivia (exports)	74,834	77,596	(a)
Chile	152	(a)	(a)
China	56,000	49,000	(a)
Japan	9,208	7,725	(a)
Korea	1,946	3,085	(a)
Turkey	40,875	17,925	(a)
WORLD'S TOTAL	8,400,000	(b)7,300,000	(a)

(a) Information not available.

(b) Excluding U.S.S.R. (Russia).

EXPORTS OF QUICKSILVER, ETC.
(Domestic Produce)
(Lb.)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	10,027	2,508	947
British Malaya (including re- exports)—			
Quicksilver	291	243	213
Hong Kong (including re- exports)—			
Cinnabar	(b) 7,281	30,800	5,067
Quicksilver	(b) 19,467	12,667	60,800
Australia (including re-exports)			
Quicksilver	300	100	560
New Zealand—			
Quicksilver	4,050	33,916	—
FOREIGN COUNTRIES			
Austria—			
Quicksilver	6,200	5,100	2,900
Belgium-Luxemburg E. U.—			
Quicksilver	3,700	29,800	31,700
Sulphide of mercury ..	900	—	—
Czechoslovakia—			
Quicksilver	57,100	83,800	57,300
France—			
Quicksilver	6,200	5,100	9,300
Mercury salts	9,000	5,700	7,900
Germany—			
Cinnabar	80,200	57,100	21,200
Quicksilver and amalgam ..	94,500	45,900	65,000
Mercury salts	151,700	112,000	151,700
Italy—			
Quicksilver	1,532,200	1,081,800	1,829,600
Chloride of mercury	259,500	145,700	125,900
Sulphide of mercury	20,100	28,200	20,100
Other mercury salts	28,000	14,100	25,400

(b) April–December only.

EXPORTS OF QUICKSILVER, ETC. (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands— Quicksilver and amalgam ..	11,292	12,044	2,205
Poland— Quicksilver	700	—	—
Mercury salts	400	40	—
Roumania— Quicksilver	20	—	—
Mercury salts	33	—	—
Spain (including re-exports)— Quicksilver	1,339,100	1,033,300	1,835,800
Mercury salts	29,443	5,710	2,238
Sweden— Quicksilver	—	461	134
Switzerland— Quicksilver	633	32,218	7,524
Algeria— Quicksilver	23,400	94,600	(a)
United States— Quicksilver	77,596	378,784	16,264
Bolivia— Quicksilver	74,834	77,596	(a)
Chile— Quicksilver	359	1,673	(a)
Mexico— Quicksilver	361,840	551,843	547,026
China— Quicksilver	—	250,500	7,600
Vermilion	(a)	(a)	2,000
Turkey— Quicksilver	40,669	19,004	—

(a) Information not available.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	944,194	836,423	931,458
Southern Rhodesia—			
Quicksilver	11,826	17,182	24,521
Union of South Africa—			
Quicksilver	55,100	56,706	55,257
Canada—			
Cinnabar	33	10	7
Quicksilver	105,755	21,159	43,230
Mercury salts	(£2,417)	(£2,593)	(£931)
British India (total imports)—			
Quicksilver	186,642	185,667	332,749
British Malaya (total imports)—			
Quicksilver	5,839	3,685	4,797
Hong Kong (total imports)—			
Cinnabar	(b) 836	5,200	2,133
Quicksilver	(b) 178,800	167,333	251,200
Australia—			
Quicksilver	20,400	20,800	29,000
Mercury salts	1,200	100	14,400
New Zealand—			
Quicksilver	2,965	1,722	3,897
FOREIGN COUNTRIES			
Austria—			
Quicksilver	29,800	25,100	20,700
Belgium-Luxemburg E.U.—			
Quicksilver	149,500	160,500	153,700
Sulphide of mercury	4,400	7,500	3,500
Mercury salts	4,900	4,900	4,900
Bulgaria—			
Quicksilver	3,197	1,984	1,664
Czechoslovakia—			
Quicksilver	22,300	13,900	59,500
Denmark—			
Quicksilver	2,866	3,300	5,100
Estonia—			
Quicksilver	1,041	655	518
Mercury salts	1,036	1,162	1,027

(b) April-December only.

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Finland—			
Cinnabar	3,977	4,467	4,643
Quicksilver and amalgam ..	3,926	3,754	3,020
France—			
Quicksilver	387,400	397,300	334,200
Mercury salts	89,500	64,600	71,400
Germany—			
Cinnabar	1,300	900	700
Quicksilver and amalgam ..	769,400	744,900	787,500
Mercury salts	192,500	183,600	98,300
Greece—			
Quicksilver	5,818	3,080	2,866
Hungary—			
Quicksilver	13,700	11,200	(a)
Mercury sulphide	1,100	900	900
Italy—			
Quicksilver	200	1,100	400
Mercury salts	5,100	1,500	26,500
Latvia—			
Quicksilver	1,650	873	1,567
Mercury salts	2,750	1,929	3,660
Lithuania—			
Quicksilver	1,100	—	1,100
Netherlands—			
Quicksilver and amalgam ..	30,128	28,376	15,748
Poland—			
Cinnabar	5,500	1,500	1,800
Quicksilver	48,300	37,900	26,900
Mercury salts	17,400	19,000	14,800
Portugal—			
Quicksilver	13,900	9,072	62,600
Mercury salts	4,623	11,045	18,983
Roumania—			
Quicksilver	15,492	16,114	15,818
Mercury salts	17,871	10,018	8,602
Spain (total imports)—			
Quicksilver	220	220	220
Mercury salts	2,873	1,870	1,609
Sweden—			
Quicksilver	43,848	19,870	49,115
Switzerland—			
Quicksilver	90,226	18,279	27,489
U.S.S.R. (Russia)—			
Quicksilver	55,000	77,000	2,000

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Quicksilver and amalgam..	15,783	5,919	9,209
Mercury salts	10,064	9,899	8,741
Algeria—			
Quicksilver	700	200	(a)
Egypt—			
Quicksilver	2,599	2,725	5,697
Morocco—			
Quicksilver	110	2,809	3,891
Tunis—			
Quicksilver	—	—	700
Cuba (total imports)—			
Quicksilver	2,707	1,737	(a)
Panama—			
Quicksilver	231	2	(a)
United States—			
Quicksilver	223,686	27,054	616,649
Mercury salts	3,179	3,593	2,179
Argentina—			
Quicksilver	12,985	14,099	16,557
Mercury salts	9,806	10,734	13,397
Brazil (total imports)—			
Quicksilver	9,385	6,684	16,837
Chile—			
Quicksilver	4,447	2,000	2,066
Mercury salts	3,968	1,431	697
Colombia—			
Quicksilver	4,911	(a)	(a)
Mercury salts	8,617	(a)	(a)
Ecuador—			
Quicksilver	374	465	(a)
Mercury salts	1,729	787	(a)
Peru—			
Quicksilver	3,285	5,220	1,283
Mercury salts	1,138	787	937
Venezuela—			
Quicksilver	5,692	2,361	4,661
Mercury salts	732	472	379
China—			
Vermilion (b)	1,083,400	1,629,700	921,600
Quicksilver	(a)	(a)	49,600

(a) Information not available.

(b) Chiefly artificial but including small quantities of cinnabar and vermilion.

IMPORTS OF QUICKSILVER, ETC. (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
French Indo-China—			
Cinnabar	13,200	6,600	6,600
Quicksilver	4,400	2,200	3,100
Vermilion	6,600	5,000	6,600
Formosa—			
Vermilion and cinnabar ..	9,676	11,348	(a)
Quicksilver (c)	4,222	149	(a)
Japan (total imports)—			
Quicksilver	544,900	580,800	751,300
Korea—			
Quicksilver	29,812	34,635	53,175
Netherlands East Indies—			
Quicksilver	12,829	12,946	(a)
Syria and Lebanon—			
Quicksilver	381	2,150	611
Turkey—			
Quicksilver	712	2,083	4,453
Mercury salts	14,290	2,610	7,225

(a) Information not available.

(c) Including a small quantity of bismuth.

SALT

 PRODUCTION OF SALT
 (Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Rock-salt	25,023	21,553	19,567
Brine-salt	2,042,541	1,876,011	2,196,632
Malta	1,200	1,170	1,200
Mauritius (estimated)—			
Sea-salt	1,500	1,500	1,500
Nigeria (estimated)	400	400	400
Somaliland (exports)—			
Sea-salt	1,032	115	2,003
South West Africa	503	1,076	2,069
Anglo-Egyptian Sudan	14,082	11,256	(a)
Tanganyika Territory—			
Brine salt	5,774	4,378	} 6,607
Sea salt	785	2,359	
Uganda	1,751	1,878	(a)
Union of South Africa (years ended June 30)	87,928	(a)	(a)
Canada	241,493	228,224	233,283
British West Indies (exports)—			
Sea-salt—			
Bahamas	3,143	12,250	250
Grenada	153	129	(a)
Leeward Islands	1,517	2,316	759
Turks and Caicos Islands	41,541	26,929	20,625
Ceylon	9,533	44,819	17,703
Cyprus (estimated)	3,000	3,000	3,000
India (including Aden)—			
Rock-salt	175,467	161,893	} 1,610,861
Salt	1,535,881	1,677,507	
Palestine—			
Rock-salt	1,373	1,239	964
Sea-salt	6,006	(a)	(a)
Australia—			
Victoria (estimated)	50,000	50,000	50,000
Western Australia	(b) 8,000	3,938	2,771
South Australia	58,766	68,666	60,063
Total	4,300,000	4,300,000	4,300,000

(a) Information not available.

(b) Estimated.

PRODUCTION OF SALT (Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Austria—			
Rock-salt	1,046	848	799
Brine-salt	154,086	120,675	167,876
Bulgaria—			
Rock-salt	1,677	3,800	(a)
Sea-salt, etc.	31,142	(a)	(a)
Czechoslovakia—			
Rock-salt	169,548	182,023	(a)
Brine-salt	5,339	5,152	(a)
France—			
Rock-salt and brine-salt ..	1,723,227	1,381,279	1,407,071
Sea-salt	244,241	359,000	168,000
Germany—			
Rock-salt	2,416,822	2,053,925	2,082,274
Brine-salt	493,341	483,221	477,713
Greece—			
Sea-salt (estimated) ..	100,000	100,000	100,000
Italy—			
Rock-salt	71,939	63,373	} 327,066
Brine-salt	254,819	258,634	
Sea-salt	509,578	746,101	
Netherlands (sales)	49,020	55,254	59,805
Poland	525,833	552,000	380,648
Portugal—			
Rock-salt	—	24	21,000
Roumania—			
Rock-salt	299,963	250,784	(a)
Sea-salt	2,121	—	(a)
Spain—			
Rock-salt	161,933	152,993	(a)
Brine-salt and sea-salt ..	859,178	722,270	(a)
Switzerland	79,554	83,674	(a)
U.S.S.R. (Russia)	3,154,300	2,804,200	(a)
Yugoslavia (f)	53,773	51,850	52,119
Algeria—			
Rock-salt and sea-salt ..	57,527	58,622	(a)
Abyssinia (estimated) ..	10,000	10,000	10,000
Angola (estimated)	10,000	10,000	10,000
Belgian Congo (estimated) ..	80	80	80
Canary Islands (estimated) ..	2,000	2,000	2,000
Cape Verde Islands	12,200	10,900	(a)
Egypt (exports)	152,406	101,248	132,906
French Morocco	8,000	8,000	8,000
French Somaliland	25,000	14,000	(a)
French West Africa	2,155	6,000	(a)

PRODUCTION OF SALT (Cont.)

Producing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Italian East Africa (estimated)	100,000	100,000	100,000
Tripoli (estimated)	20,000	20,000	20,000
Tunis	118,400	(a)	(a)
Mexico (estimated)	80,000	80,000	80,000
Netherlands West Indies	7,353	9,272	(a)
Panama (estimated)			
Crude salt	50,000	50,000	50,000
United States—			
Rock-salt	1,765,509	1,655,509	1,443,138
Brine-salt	3,320,054	2,946,616	2,473,054
Evaporated salt	2,105,902	1,967,580	1,840,371
Argentina	142,309	156,855	(a)
Chile	38,997	(a)	(a)
Colombia (estimated)	29,000	29,000	29,000
Ecuador—			
Rock-salt	124	144	(a)
Other salt	24,047	12,929	(a)
Peru	30,000	28,000	(a)
Venezuela	20,395	(a)	(a)
China, including Kwantung			
Peninsula	2,562,500	2,235,000	(a)
Formosa	160,639	195,905	(a)
French Indo-China (estimated)	160,000	160,000	160,000
Iraq (d)	8,801	7,430	(a)
Japan (c)	618,753	513,029	(a)
Korea	136,000	136,000	(a)
Netherlands East Indies—			
Government production ..	308,626	209,019	204,340
Native production	30,786	31,206	(a)
Philippine Islands—			
Brine-salt and sea-salt ..	39,931	41,898	(a)
Portuguese India (estimated)	12,000	12,000	12,000
Siam (d)—			
Brine-salt	22,601	} 193,298	(a)
Sea-salt	155,543		
Turkey (Anatolia) (estimated)	100,000	100,000	100,000
Total	24,000,000	22,000,000	21,000,000
WORLD'S TOTAL	28,000,000	26,000,000	25,000,000

Salt is also produced in many countries for which statistics are not available—e.g. Gold Coast, Kenya, Brazil, Bolivia.

(a) Information not available.

(c) Excluding production from salt beds, which, although on government beach lands, have no fixed areas. Figures refer to years ended March 31 following that stated.

(d) Years ended March 31 following that stated.

(f) Excluding sea-salt.

EXPORTS OF SALT

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Refined salt	5,186	5,095	4,287
Other salt	303,079	257,426	294,893
Anglo-Egyptian Sudan	3,043	663	1,153
Gold Coast	114	—	—
Northern Rhodesia—			
Common salt and refined salt	9	—	11
Southern Rhodesia—			
Common salt and refined salt	1,077	569	280
Somaliland—			
Sea-salt	1,032	115	2,003
Tanganyika Territory	3,046	2,963	2,428
Union of South Africa	7,148	8,096	6,123
Canada	7,820	5,470	5,024
British West Indies—			
Bahamas (c)	3,143	12,250	250
Grenada	153	129	(a)
Leeward Islands (b)	1,517	2,316	759
Turks and Caicos Islands (c)	41,541	26,929	20,625
Aden (including re-exports)	206,215	272,990	308,470
British India (including re-exports)	70,454	68,148	71,141
British Malaya (including re-exports)	15,333	11,951	10,555
Cyprus	—	—	100
Hong Kong (including re-exports)	(d) 855	2,590	2,819
Australia (including re-exports)—			
Rock-salt	46	18	19
Refined salt (£ Australian)	(£564)	(£470)	(£885)
Other salt	6,139	5,703	10,221
FOREIGN COUNTRIES			
Austria	159	622	1,902
Belgium-Luxemburg E.U.—			
Common salt	340	2,400	725
Refined salt	410	388	955
Czechoslovakia—			
Refined salt, etc.	18	15	12

EXPORTS OF SALT (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Refined salt, etc.	15	19	14
France	146,097	128,501	125,400
Germany—			
Rock-salt, sea-salt, etc. ..	973,800	807,094	705,231
Italy—			
Rock-salt and sea-salt ..	85,980	51,337	56,611
Latvia—			
Rock-salt	108	224	—
Common salt	464	136	177
Netherlands—			
Rock-salt	—	2	8
Sea-salt	24	4	11
Refined salt and waste ..	20,224	21,164	21,456
Norway	16	3	2
Poland—			
Refined salt	26,084	59,605	22,126
Other salt	6,432	6,079	7,108
Portugal	26,806	16,741	54,179
Roumania	39,203	19,726	32,538
Spain (including re-exports)—			
Common salt	588,719	449,884	463,398
Sweden	1,931	1,494	792
U.S.S.R. (Russia)	73,735	63,284	99,365
Algeria	8,401	38,437	38,246
Belgian Congo	448	73	88
Cape Verde Islands	12,286	10,920	(a)
French West Africa—			
Dahomey—			
Rock-salt	40	—	—
French Guinea	36	8	4
Senegal—			
Rock-salt	267	3	1
Egypt—			
Common salt	152,406	101,248	132,906
French Somaliland	24,968	13,582	30,306

(a) Information not available.

(b) Including inter-presidency trade.

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

(d) April-December only.

EXPORTS OF SALT (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Madagascar—			
Sea-salt	1,186	494	113
Morocco	962	454	6
Mozambique	1,251	1,853	2,538
Tunis (including re-exports)—			
Rock-salt and sea-salt ..	72,451	75,287	68,572
Mexico	298	76	(a)
United States	62,927	88,134	56,769
Netherlands West Indies ..	4,744	6,252	(a)
Argentina—			
Common salt	160	178	297
Refined salt	115	—	1
Brazil	15	—	12
Chile—			
Common salt	47	45	(a)
Refined salt	53	4	(a)
Ecuador	630	—	(a)
Venezuela—			
Sea-salt	265	2	—
China—			
Common salt	290,248	332,690	274,464
Refined salt	46,252	55,917	11,972
Formosa	73,500	115,922	(a)
French Indo-China—			
Rock-salt and sea-salt ..	41,814	32,361	28,230
Japan	46	448	3
Persia (including re-exports)			
(a)—			
Common salt	846	645	258
Refined salt	14	18	—
Philippine Islands	29	45	36
Portuguese India	9,808	8,139	(a)
Siam (including re-exports) ..	49,547	69,385	83,898
Turkey	22,151	10,349	14,763

(a) Information not available.

(d) Years ended March 21 of the year stated for 1930 and 1931 and June 21 for 1932.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Refined salt.. ..	1,398	1,208	816
Other salt	92,211	68,888	50,918
Irish Free State—			
Refined salt.. ..	2,249	2,507	2,071
Other salt	26,561	27,545	30,359
Anglo-Egyptian Sudan ..	261	318	187
Gambia.. ..	1,158	1,704	1,317
Gold Coast—			
Refined salt.. ..	18	17	12
Other salt	7,319	6,475	7,612
Kenya and Uganda	8,670	9,509	7,995
Mauritius	485	1,394	494
Nigeria	58,447	48,466	53,181
Nyasaland	2,764	2,925	2,438
Northern Rhodesia—			
Common salt and refined salt	1,394	1,815	1,306
Southern Rhodesia—			
Common salt and refined salt	3,982	5,120	4,906
Seychelles	69	143	162
Sierra Leone—			
Refined salt.. ..	1	1	2
Other salt	4,949	4,725	4,855
South West Africa	1,617	1,367	508
Tanganyika Territory ..	1,762	992	624
Union of South Africa—			
Rock-salt	2,289	1,872	1,378
Common salt and refined salt	2,961	1,876	1,381
Zanzibar	753	905	772

IMPORTS OF SALT (*Cont.*)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
Canada (total imports)—			
Salt for use of fisheries ..	50,120	50,148	24,819
Refined salt	305	263	161
Other salt	64,449	66,460	66,121
Newfoundland (total imports, year ended June 30)—			
Salt in bulk	42,719	38,019	37,591
Refined salt	(£2,561)	(£2,754)	(£3,058)
British Honduras	413	388	541
British West Indies—			
Barbados	2,050	2,033	2,275
Bermuda	3,627	(£1,396)	(£3,535)
Grenada	471	554	(a)
Jamaica—			
Rock-salt	206	3,572	196
Other salt	5,119	7,144	6,436
Leeward Islands (b) ..	(£3,339)	(£403)	(£265)
St. Lucia—			
Common salt	621	407	333
Refined salt	—	7	9
St. Vincent—			
Rock-salt	426	211	263
Refined salt	10	46	14
Trinidad and Tobago (total imports)—			
Rock-salt	453	505	300
Refined salt, etc. . .	2,405	2,931	2,415
British Guiana—			
Rock-salt	198	803	604
Refined salt, etc. .. .	1,577	1,209	790
Aden (total imports) .. .	3	6	3
British Borneo—			
Brunei	148	143	(a)
Sarawak	3,049	2,621	2,754
State of North Borneo ..	2,106	2,331	1,850
British India (total imports) ..	688,513	532,753	552,741

IMPORTS OF SALT (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
British Malaya (total imports)	75,664	60,863	53,918
Ceylon—			
Refined salt.. .. .	43	64	27
Other salt	25	13	26
Cyprus—			
Refined salt.. .. .	6	6	4
Hong Kong (total imports) ..	(c) 40,676	42,736	40,230
Palestine (total imports) ..	41	114	144
Australia—			
Rock-salt	418	1,722	4,740
Refined salt.. .. .	1,078	(£20,510)	(£16,094)
Other salt	4,661	2,899	2,701
Fiji	544	624	769
New Zealand (total imports)—			
Refined salt	714	751	906
Other salt	35,452	29,511	33,296
Solomon Islands	11	9	(a)
Western Samoa	(£534)	(£309)	(£396)
FOREIGN COUNTRIES			
Austria.. .. .	6,370	6,691	6,054
Belgium-Luxemburg E.U.—			
Common salt	217,743	192,148	200,119
Refined salt	65,977	65,293	68,519
Bulgaria—			
Rock-salt	17,854	20,371	23,257
Czechoslovakia—			
Common salt	164,920	151,109	124,773
Refined salt.. .. .	108	186	51
Denmark—			
Rock-salt	7,738	7,188	5,962
Refined salt, etc.	83,744	89,303	92,574

(a) Information not available.

(b) Including inter-presidency trade.

(c) April–December only.

IMPORTS OF SALT (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Estonia	21,896	22,445	23,982
Finland—			
Common salt	71,471	71,796	75,623
France	77,300	75,201	82,172
Germany—			
Rock-salt, sea-salt, etc. ..	28,125	28,590	25,482
Hungary	86,944	77,078	75,522
Iceland—			
Common salt	85,596	(a)	(a)
Refined salt.. .. .	91	(a)	(a)
Italy—			
Rock-salt and sea-salt ..	37,176	43,850	43,121
Latvia—			
Rock-salt	13,085	18,130	19,510
Common salt	11,639	11,589	9,457
Sea-salt	1,037	1,905	935
Refined salt.. .. .	—	10	—
Lithuania—			
Crude salt	336	3,101	6,181
Refined salt.. .. .	29,989	30,393	27,358
Netherlands—			
Rock-salt	92,750	88,114	80,380
Sea-salt, etc.	30,198	27,247	25,899
Refined salt and waste ..	3,972	845	913
Norway—			
Rock-salt	61,396	38,446	35,275
Common salt	185,592	125,386	124,291
Poland—			
Refined salt.. .. .	1,928	1,930	1,021
Other salt	15	25	409
Portugal	46	39	42
Roumania	—	16	—
Spain (total imports)—			
Common salt	4	5	4
Sweden—			
Common salt	144,399	139,620	125,633

IMPORTS OF SALT (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Rock-salt	1,510	280	1
Other salt	2,881	723	665
Yugoslavia—			
Rock-salt	30,092	13,898	9,517
Sea-salt	28,904	40,991	22,538
Abyssinia	19,009	8,026	(a)
Algeria	19,497	15,545	9,507
Belgian Congo	12,933	11,311	11,908
Cameroon (French)	5,031	5,252	5,291
Egypt—			
Common salt	101	77	60
French Equatorial Africa—			
Rock salt	259	1,718	4
Refined salt	2,688		
French Somaliland	487	12	2,233
French Togoland	3,023	2,885	3,094
French West Africa—			
Dahomey	3,009	3,679	4,352
French Guinea	2,831	2,294	1,745
French Niger	463	133	280
French Sudan	846	1,267	324
Ivory Coast	6,593	5,968	5,028
Mauritania	1,181	444	—
Senegal	2,117	3,472	2,522
Madagascar	12	1,627	6,342
Morocco	5,975	8,174	7,261
Mozambique	1,185	815	474
Portuguese Guinea	1,781	(a)	(a)
Réunion	933	758	(a)
Cuba (total imports)	7,795	16,111	(a)
French West Indies—			
Guadeloupe	777	1,047	(a)
Martinique	1,230	1,655	1,297
Mexico	5,734	3,361	(a)
Nicaragua (total imports)	333	279	273

(a) Information not available.

IMPORTS OF SALT (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Panama	383	170	(a)
St. Pierre and Miquelon ..	4,000	400	(a)
Salvador	58	(a)	(a)
United States	48,451	29,923	30,227
Argentina—			
Rock-salt	1,470	1,158	983
Sea-salt	24,500	22,100	13,400
Refined salt	8,276	2,866	450
Bolivia—			
Common salt	403	(a)	(a)
Refined salt	4	(a)	(a)
Brazil (total imports)	47,843	20,620	23,768
Chile—			
Common salt	28	30	54
Refined salt	99	76	8
Colombia	327	(a)	(a)
Dutch Guiana	677	503	(a)
French Guiana	307	394	390
Peru	563	255	—
Uruguay—			
Sea-salt	24,482	47,603	(a)
French Indo-China	120	61	270
Iraq (b)	17	26	20
Japan (total imports)	302,279	364,693	453,167
Korea	131,375	167,407	217,262
Netherlands East Indies—			
Refined salt	542	382	(a)
Other salt	12,499	8,777	(a)
Persia (total imports) (d)—			
Common salt	5,504	4,770	3,942
Refined salt	6	128	20
Philippine Islands	232	218	198
Syria and Lebanon—			
Refined salt	2,674	26	836
Other salt	1,700	12,038	4,250
New Caledonia	689	461	189

(a) Information not available.

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

(d) Years ended March 21 of year stated for 1930 and 1931 and June 21 for 1932.

SILVER

PRODUCTION OF SILVER ORE
(In terms of metal)
(Fine troy ounces)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	40,955	33,989	16,043
Bechuanaland Protectorate	375	662	1,676
Gold Coast (estimated) ..	8,200	8,900	9,000
Kenya	155	288	—
Nigeria	50,500	251,855	85,368
Northern Rhodesia	637	589	339
Southern Rhodesia	72,720	75,960	114,555
South West Africa (d) ..	1,003,000	639,000	165,000
Tanganyika Territory	1,278	1,691	3,313
Union of South Africa	1,050,038	1,063,050	1,120,668
Canada	26,443,823	20,562,247	18,349,450
British Guiana (estimated)	780	1,340	1,830
India	7,072,050	5,923,005	6,026,737
Federated Malay States (estimated)	2,600	2,600	2,400
Australia	10,075,002	6,730,227	9,460,369
New Zealand	(b) 565,860	434,822	562,792
Total	46,400,000	35,700,000	35,900,000
FOREIGN COUNTRIES			
Austria	30,446	82,626	18,785
Czechoslovakia	1,469,004	1,231,778	(a)
France	652,002	517,600	(a)
Germany	5,485,433	5,784,589	5,992,760
Greece	264,607	132,081	170,200
Hungary	(a)	(a)	12,819
Italy	506,301	438,117	375,000
Norway	401,334	312,104	314,781
Poland	561,191	365,104	(a)
Roumania	142,039	114,261	(a)

NOTE:—623,389 fine ounces of silver were recorded as produced in U.S.S.R. (Russia) during year ended September, 1928—later figures are not available.

(a) Information not available.

(b) Silver content of exports, excluding jewellers' sweepings.

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

PRODUCTION OF SILVER ORE (*Cont.*)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Spain	2,819,169	3,098,713	901,004
Sweden	191,260	362,491	(a)
Yugoslavia	559,000	1,643,800	2,018,100
Algeria	171,199	258,000	50,000
Morocco (French zone) ..	64,000	11,000	(a)
Mozambique	38	60	257
Tunis	105,000	60,764	5,859
Mexico	105,204,059	86,064,457	53,228,119
United States	47,724,903	29,856,628	22,651,822
Costa Rica (c)	—	300	—
Guatemala (c)	—	—	143,500
Honduras	2,957,120	3,689,791	(c) 3,158,683
Nicaragua (c)	38,103	36,485	55,375
Panama	(c)—	2,800	(a)
Salvador (c)	—	580	4,822
Argentina (b)	15,000	15,000	15,000
Bolivia (exports)	7,091,000	5,772,307	4,115,232
Brazil (b)	20,000	10,000	(a)
Chile	760,465	372,361	73,422
Colombia (estimated)	54,000	66,000	84,000
Ecuador (b)	106,127	104,762	(a)
Guiana (French and Dutch) (b)	7,500	6,000	(a)
Peru	14,372,593	11,048,000	6,317,000
Venezuela (b)	4,000	4,000	4,000
China	145,000	186,000	(a)
Formosa	200,500	(a)	132,900
French Indo-China	3,900	4,500	(a)
Japan	5,628,306	5,586,551	5,241,587
Korea	75,431	367,872	(a)
Netherlands East Indies ..	2,094,261	1,472,993	842,365
Turkey	(b) 220,000	155,457	(a)
Philippine Islands	110,278	110,008	149,131
Total	200,000,000	160,000,000	110,000,000
WORLD'S TOTAL	247,000,000	196,000,000	146,000,000

(a) Information not available.

(b) Estimates of *United States Mint*.

(c) Import into the United States from the country indicated.

EXPORTS OF SILVER*

(In terms of metal)

(Fine troy ounces)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion ..	7,000,000	8,000,000	5,000,000
Refined bullion ..	77,262,000	74,000,000	53,000,000
Southern Rhodesia—			
Bullion	52,400	61,500	75,800
Union of South Africa—			
Concentrates	42,000	19,000	—
Silver in pig-lead ..	600	—	—
Bullion	915,000	1,016,000	1,086,000
Zanzibar—			
Bullion	—	100	—
Canada—			
Ore, concentrates, etc.	8,473,000	3,765,000	3,226,000
Bullion	15,800,000	14,100,000	12,500,000
British India—			
Bullion—by sea ..	25,700,000	32,500,000	31,200,000
do. —by land ..	8,000,000	16,000,000	3,000,000
British Malaya—			
Bullion	796,000	2,077,000	1,095,000
Hong Kong—			
Bullion	(a)	30,000,000	12,000,000
Australia (years ended June 30)—			
Ores, concentrates and matte	1,522,000	1,096,000	273,000
Bullion	8,900,000	8,400,000	5,800,000
New Zealand—			
Concentrates, sweepings, etc.	7,200	5,400	6,200
Bullion	516,000	505,000	476,000
FOREIGN COUNTRIES			
Austria—			
Bullion	479,000	460,000	63,000
Belgium-Luxemburg E.U.			
Bullion and scrap ..	2,200,000	4,000,000	4,800,000
Beaten, rolled or drawn	137,000	6,000	22,000

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

(a) Information not available.

EXPORTS OF SILVER (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Bullion	56,000	160,000	420,000
Denmark—			
Bullion	94,000	37,000	12,000
France—			
Bullion	16,740,000	3,340,000	4,200,000
Beaten, rolled or drawn	485,000	205,000	66,000
Germany—			
Bullion	12,000,000	10,000,000	14,000,000
Hungary—			
Bullion.. .. .	700	2,200	8,000
Italy—			
Bullion, etc.	223,000	406,000	138,000
Netherlands—			
Bullion and scrap ..	513,000	490,000	500,000
Norway—			
Bullion	—	150,000	—
Scrap	85,000	66,000	74,000
Poland—			
Bullion	600,000	317,000	76,000
Roumania—			
Bullion	84,000	64,000	84,000
Spain—			
Bullion	1,276,000	1,540,000	2,240,000
Sweden—			
Bullion	101,000	119,000	90,000
Switzerland—			
Bullion	381,000	554,000	955,000
U.S.S.R. (Russia) ..	(d)	(d)	(d)
Yugoslavia—			
Bullion	25,000	2,000	1,000
Egypt—			
Bullion	13,000	33,000	265,000
Honduras—			
Bullion	2,957,000	(a)	(a)
Mexico—			
Bullion	104,800,000	80,200,000	40,600,000
Nicaragua—			
Concentrates	40,000	10,000	28,000
United States—			
Ore and base bullion	4,000	8,000	19,000
Refined bullion ..	131,520,000	82,905,000	42,287,000
Argentina—			
Bullion	—	—	26,000

EXPORTS OF SILVER (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Bolivia—			
Ores	7,091,000	5,772,000	4,115,000
Chile—			
Ore (excluding mixed ore)	15,000	6,000	12,000
Bullion	38,000	500	(a)
Colombia—			
Bullion	17,000	(a)	(a)
Peru—			
Ores, concentrates, etc.	2,453,000	1,394,000	1,468,000
Bullion	13,455,000	7,519,000	2,035,000
Scrap	100	2,000	16,000
China—			
Bullion	13,600,000	13,200,000	9,900,000
Iraq (c)—			
Bullion, etc.	2,500	8,000	29,000
Japan—			
Bullion	2,883,000	2,583,000	7,728,000
Korea—			
Bullion	4,000	69,000	86,000
Netherlands East Indies—			
Bullion and scrap ..	1,794,000	1,163,000	994,000
Persia (b)—			
Bullion	—	1,790,000	253,000

(a) Information not available.

(b) Years ended March 21 of the year stated for 1930 and 1931 and June 21 for 1932.

(c) Years ended March 31 of the year following.

(d) Statistics of the exports of silver from the U.S.S.R. (Russia) are not published.

IMPORTS OF SILVER*

(In terms of metal)

(Fine troy ounces)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore	900,000	1,000,000	1,760,000
Unrefined bullion ..	14,000,000	23,000,000	26,000,000
Refined bullion	71,355,000	71,272,000	48,000,000
Gold Coast—			
Bullion	400	138,000	12,000
Kenya and Uganda—			
Bullion	500	3,400	200
Nigeria—			
Bullion	4,200	41,000	70
Sierra Leone—			
Bullion	1,400	800	400
Union of South Africa—			
Bullion	300	800	300
Zanzibar—			
Bullion	—	50	—
Canada—			
Bullion	1,500,000	1,500,000	1,800,000
British Guiana—			
Bullion	1,000	1,700	60
Trinidad and Tobago—			
Bullion	—	13,000	39,000
Ceylon—			
Bullion	246,000	436,000	135,000
Cyprus—			
Bullion	9,000	16,000	5,200
British India—			
Bullion—by sea	95,700,000	69,800,000	4,935,000
do. —by land	4,000,000	4,000,000	12,000,000
British Malaya—			
Bullion	1,600,000	2,180,000	1,156,000
Hong Kong—			
Bullion	(a)	28,000,000	28,000,000
Australia (years ended June 30)—			
Matte	—	1,000	3,000
Bullion	66,000	23,000	26,000

IMPORTS OF SILVER (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE (Cont.)			
Fiji—			
Bullion	2,000	—	—
New Zealand—			
Bullion	6,000	5,300	3,500
FOREIGN COUNTRIES			
Austria—			
Bullion	2,004,000	1,570,000	535,000
Belgium-Luxemburg E.U.—			
Bullion and scrap ..	45,000	28,000	43,000
Beaten, rolled or drawn	27,000	16,000	38,000
Bulgaria—			
Bullion, etc.	12,400	12,000	(a)
Czechoslovakia—			
Bullion	230,000	1,000,000	2,997,000
Denmark—			
Bullion, etc.	1,819,000	1,880,000	1,336,000
Finland—			
Bullion, etc.	371,000	384,000	230,000
France—			
Bullion	3,724,000	3,726,000	5,313,000
Beaten, rolled or drawn..	300,000	216,000	74,000
Germany—			
Ore (c)	(£2,200)	(£1,400)	(£70)
Bullion	7,000,000	30,000,000	32,000,000
Scrap (d)	(£300,000)	(£164,000)	(£186,000)
Greece—			
Bullion	1,400	400	100
Hungary—			
Bullion	299,000	308,000	94,000
Italy—			
Bullion, etc.	3,617,000	4,812,000	4,064,000
Latvia—			
Bullion and wire.. ..	159,000	176,000	104,000
Lithuania—			
Bullion, etc.	10,000	50,000	18,000

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

(a) Information not available.

(c) Value of ores; Silver content not known.

(d) Silver content not known.

IMPORTS OF SILVER (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Bullion and scrap ..	3,570,000	1,630,000	1,300,000
Norway—			
Bullion	354,000	351,000	265,000
Sheets and wire	451,000	527,000	295,000
Poland—			
Bullion	3,395,000	523,000	191,000
Portugal—			
Bullion	230,000	250,000	1,518,000
Roumania—			
Bullion, etc.	500	13,000	1,000
Spain—			
Bullion	105,000	200,000	121,000
Sweden—			
Bullion	1,371,000	1,496,000	934,000
Switzerland—			
Bullion	1,403,000	2,377,000	1,434,000
Yugoslavia—			
Bullion	3,000	5,000	6,000
Egypt—			
Bullion	1,580,000	450,000	11,000
Morocco—			
Bullion, etc.	900	11,000	(a)
Beaten, rolled or drawn	5,200	1,300	(a)
Tunis—			
Beaten, rolled or drawn	92,000	82,000	54,000
United States—			
Ore and base bullion ..	53,896,000	41,858,000	24,426,000
Refined bullion	46,308,000	39,692,000	34,877,000
Argentina—			
Bullion	54,000	140,000	15,000
Brazil—			
Bullion	27,000	13,000	9,000
Chile—			
Bullion	2,000	6,000	(a)
Colombia—			
Bullion	15,000	(a)	(a)
Dutch Guiana—			
Bullion	7,100	6,400	(a)
China—			
Bullion	94,870,000	77,700,000	67,100,000
French Indo-China—			
Bullion, etc.	121,000	208,000	125,000
Beaten, rolled or drawn	600	200	50
Iraq (b)—			
Bullion, etc.	14,800	20,000	21,000

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan— Bullion	804,000	3,889,000	128,000
Korea— Bullion	85,600	93,000	98,000
Netherlands East Indies— Bullion and scrap ..	452,000	527,000	291,000
Persia (<i>c</i>)— Bullion	290,000	—	—
Siam— Bullion	—	—	125,000
Syria and Lebanon— Bullion	96,000	150,000	56,000
Turkey— Bullion, etc.	2,300	2,400	1,900

(*a*) Information not available.

(*b*) Years ended March 31 of the year following.

(*c*) Years ended March 21 of the year stated for 1930 and 1931 and June 21 for 1932.

STRONTIUM MINERALS

PRODUCTION OF STRONTIUM MINERALS (Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Celestite	5,141	4,052	6,852
FOREIGN COUNTRIES			
Germany (Prussia)—			
Strontianite.. .. .	359	128	64
Tunis—			
Strontium minerals ..	500	(a)	(a)

(a) Information not available.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Celestite	3,211	1,206	2,830
FOREIGN COUNTRIES			
France—			
Strontium compounds ..	11	20	3
Germany (e)—			
Strontianite and witherite	215	378	156
Strontium compounds ..	447	39	19
Tunis—			
Strontium minerals ..	200	—	—

(e) Celestite recorded with barytes.

IMPORTS OF STRONTIUM MINERALS, ETC.

*(Less Re-exports)**(Long tons)*

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Czechoslovakia—			
Strontium nitrate	2	2	1
France—			
Strontium compounds ..	16	12	7
Germany (c)—			
Strontianite and witherite ..	1,092	660	999
Italy—			
Strontium compounds(b) ..	4	6	7
Poland—			
Strontianite and celestite ..	8 <i>cwt.</i>	2	10 <i>cwt.</i>
United States—			
Strontianite and celestite ..	(d) 197	2 <i>cwt.</i>	5
Strontium compounds ..	796	778	210
Chile—			
Strontium compounds ..	4 <i>cwt.</i>	3 <i>cwt.</i>	(a)
Colombia—			
Strontium compounds ..	3 <i>cwt.</i>	(a)	(a)
Turkey—			
Strontium compounds ..	4 <i>cwt.</i>	6 <i>cwt.</i>	8 <i>cwt.</i>

(a) Information not available.*(b)* Excluding nitrate of strontium.*(c)* Celestite recorded with barytes.*(d)* January 1 to June 17 only.

SULPHUR

PRODUCTION OF SULPHUR

(Long tons)

Producing Country and Description.	1930	1931	1932	Estimated Sulphur Content.		
				1930	1931	1932
BRITISH EMPIRE						
United Kingdom and Irish Free State—						
Spent oxide(b) ..	155,432	124,200	129,000	75,540	60,400	62,300
Southern Rhodesia Sulphur ..	—	100	—	—	(a)	—
New Zealand—						
Crude Sulphur ..	3,031	—	—	} 849	—	—
Retorted sulphur	25	—	—		—	—
Canada—						
Smelter gas (e) ..				8,921	16,371	(a)
FOREIGN COUNTRIES						
Germany				(h)	(h)	(h)
Greece—						
Sulphur rock ..	3,588	5,312	(a)	825	1,222	(a)
Refined sulphur(c)	313	368	300	310	364	(a)
Italy—						
Sulphur ore ..	2,198,565	2,145,119	2,127,000	(a)	(a)	(a)
Crude sulphur (c)						
Fused ..	345,024	347,372	344,449	(a)	(a)	(a)
Ground ..	19,409	19,502	25,119	(a)	(a)	(a)
Norway—						
Sulphur recovered from pyrites ..				3,193	8,403	60,000
Spain—						
Sulphur rock ..	99,295	64,284	(a)	17,677	12,443	(a)
Refined sulphur(d)	21,577	21,155	(a)			(a)
Sulphur recovered from pyrites ..				—	—	4,500
United States—						
Crude sulphur ..	2,558,981	2,128,930	890,440	(a)	(a)	(a)
Sulphur ore ..	120	(a)	100	60	(a)	45
Slurry (f) ..				2,500	2,500	2,500
Smelter gas (g) ..				220,000	220,000	220,000
Chile—						
Sulphur ..	8,184	5,018	10,096	(a)	(a)	(a)

PRODUCTION OF SULPHUR (*Cont.*)

Producing Country and Description	1930	1931	1932	Estimated Sulphur Content		
				1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)						
Ecuador—						
Sulphur rock ..	100	150	—	(a)	(a)	—
China—						
Sulphur.. ..	10,600	9,900	(a)	(a)	(a)	(a)
Formosa—						
Sulphur.. ..	489	(a)	(a)	(a)	(a)	(a)
Japan—						
Sulphur rock ..	14,392	2,195	(a)	(a)	(a)	(a)
Refined sulphur	61,375	60,528	75,868	(a)	(a)	(a)
Netherlands East Indies—						
Sulphur.. ..	5,516	1,690	7,517	5,510	1,688	7,509
Turkey—						
Sulphur.. ..	—	73	25	—	(a)	(a)

(a) Information not available.

(b) Consumed by the sulphur acid industry.

(c) Derived from sulphur rock above.

(d) Derived partly from sulphur rock above and partly from crude sulphur imported from America and Italy as follows:—

1930	.. ..	12,106 tons
1931	.. ..	8,121 „
1932	.. ..	9,721 „

(e) Estimated sulphur content of gas used in acid making.

(f) The result of the purification of manufactured fuel gases.

(g) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, chiefly used in acid making.

(h) A large quantity of refined sulphur is produced in Germany from the desulphurisation of gases.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	537	2,968	558
Union of South Africa ..	1	9	4
British Malaya (including re- exports)	21	26	23
Hong Kong (including re- exports)	(b) 217	568	741
FOREIGN COUNTRIES			
Austria.. .. .	52	27	12
Belgium-Luxemburg E.U. ..	2,640	2,385	1,877
Bulgaria	1	1	(a)
Czechoslovakia	7	5	9
France—			
Crude	2,469	3,455	3,101
Refined lump	7,471	5,472	5,671
Flowers of sulphur.. .. .	8,091	14,871	13,566
Precipitated sulphur	324	1,075	851
Germany—			
Sulphur, etc.	55,530	56,766	21,207
Hungary	12	1	(a)
Italy—			
Ore	22	4	—
Crude lump	186,968	177,616	220,760
Crude ground	7,232	2,147	3,654
Refined lump	27,158	22,541	12,297
Refined ground	11,893	30,888	39,076
Flowers of sulphur	4,722	3,524	4,776
Latvia	—	565	—
Netherlands	38	16	61

EXPORTS OF SULPHUR (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Norway	1,339	6,393	46,116
Spain (including re-exports)..	25	309	70
Sweden	5	3	3
Algeria—			
Refined	88	68	23
Flowers of sulphur.. ..	248	80	27
United States—			
Crude	593,312	407,586	352,610
Refined and flowers of sulphur.. .. .	16,014	12,142	7,270
Chile—			
Refined and flowers of sulphur.. .. .	910	4,091	9,407
Formosa	362	501	(a)
Japan	5,823	13,960	25,587
Netherlands East Indies ..	19	90	(a)

(a) Information not available.

(b) April-December only.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	84,618	60,172	70,130
Malta—			
Flowers of sulphur	45	82	45
Mauritius	471	458	586
Northern Rhodesia	750	146	1
Southern Rhodesia—			
Flowers of sulphur	3	2	1
South West Africa	2	12	12
Union of South Africa (total imports)—			
Rock-sulphur	11,758	6,650	7,760
Flowers of sulphur	16,897	5,068	5,237
British Guiana.. .. .	—	421	39
Canada.. .. .	160,471	110,886	93,745
Newfoundland (years ended June 30)	10,437	6,787	7,007
British India (total imports)..	18,674	15,728	16,192
British Malaya (total imports)	87	190	180
Ceylon	136	96	123
Cyprus	123	114	154
Hong Kong (total imports) ..	(b) 792	951	678
Palestine (total imports) ..	32	102	101
Australia	89,211	29,008	77,921
Fiji	4	3	1
New Zealand	24,581	17,130	43,382
FOREIGN COUNTRIES			
Austria	9,492	9,517	6,904
Belgium-Luxemburg E.U.	13,865	9,001	8,762
Bulgaria	103	238	286
Czechoslovakia—			
Sulphur	6,718	7,122	7,713
Flowers of sulphur	122	111	53
Denmark	374	429	499
Estonia—			
Crude	3,970	7,065	6,907
Refined	17	9	16
Finland.. .. .	66,487	59,800	77,890
France—			
Crude	225,428	183,586	147,373
Refined lump	2,307	4,367	241
Flowers of sulphur.. ..	136	139	1
Precipitated	38	93	64

IMPORTS OF SULPHUR (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Germany—			
Sulphur, etc.	81,054	76,920	48,211
Greece	8,546	13,612	11,309
Hungary	922	436	(a)
Italy	6	—	5
Latvia—			
Crude	2,060	400	1,810
Refined	13	12	26
Flowers of sulphur ..	45	12	30
Lithuania—			
Crude	24,790	17,162	18,351
Refined	69	30	27
Netherlands	1,641	1,341	1,897
Norway	16,281	6,347	11,137
Poland—			
Crude	75	220	26
Refined	1,517	1,472	1,506
Flowers of sulphur ..	35	183	46
Portugal—			
Crude	5,028	7,058	6,392
Flowers of sulphur ..	1,543	3,030	1,681
Other sulphur	2	1	—
Roumania—			
Crude	2,132	629	949
Refined and flowers of sulphur	988	432	657
Spain (total imports)—			
Crude, unground	14,352	9,653	10,097
Refined, unground	145	5	75
do. ground, and flowers of sulphur	1,799	1,103	179
Sweden	72,618	59,371	59,119
Switzerland—			
Crude and ground	2,495	3,724	2,308
Flowers of sulphur ..	222	420	288
U.S.S.R. (Russia)—			
Crude	11,898	15,442	856
Refined	5,651	6,447	2,084
Flowers of sulphur ..	2,761	104	25
Yugoslavia—			
Crude	1,114	812	897
Refined	974	1,376	784

(a) Information not available.

(b) April-December only.

IMPORTS OF SULPHUR (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Crude	12,123	5,988	9,576
Refined	4,837	458	732
Flowers of sulphur	4,644	8,643	13,828
Angola	69	23	129
Belgian Congo	7,488	4,042	17
Egypt	2,150	1,675	1,143
Madagascar	16	26	47
Morocco	480	668	663
Mozambique	172	222	296
Tunis—			
Crude	7,418	4,270	10,229
Refined	965	2,246	1,838
Cuba (total imports)	3,086	2	(a)
Mexico	(a)	8,389	(a)
Panama	8	13	(a)
Salvador	27	(a)	(a)
United States—			
Sulphur ore and sulphur	161	189	177
Argentina—			
Crude	12,040	12,234	14,919
Refined	177	205	144
Bolivia	4	(a)	(a)
Brazil (total imports)	4,134	3,702	7,581
Chile—			
Crude	—	8	(a)
Refined	10	28	—
Colombia—			
Flowers of sulphur	68	(a)	(a)
Ecuador	132	113	(a)
Peru	208	208	206
Uruguay	2,368	2,406	(a)
Venezuela	31	29	38
China	5,290	3,896	2,114
French Indo-China	31	127	100
Netherlands East Indies	18,202	14,482	(a)
Syria and Lebanon	37	136	100
Turkey	1,283	3,070	4,537

(a) Information not available.

TALC

PRODUCTION OF TALC

(Long tons).

Producing Country.	1930	1931	1932
BRITISH EMPIRE.			
United Kingdom	185	160	258
Union of South Africa ..	349	210	248
Canada (sales) (g)	10,572	10,568	10,806
India	6,857	5,135	6,512
Australia	681	846	1,347
FOREIGN COUNTRIES.			
Austria (estimated) ..	25,000	25,000	25,000
Finland	2,803	3,000	(a)
France	84,500	(a)	(a)
Germany (Bavaria) ..	5,702	4,142	(a)
Greece	252	476	(a)
Italy	37,491	37,800	31,859
Norway	14,759	11,212	13,783
Roumania (d)	3,300	3,020	(a)
Spain (b)	3,621	4,488	(a)
Sweden	5,036	5,351	(a)
Egypt	—	—	228
Morocco (French) (exports)	552	682	824
United States (sales) (c) ..	160,165	146,207	110,019
Uruguay (exports) ..	1,440	1,761	2,584
China	26,000	22,000	(a)

NOTE :—5,480 long tons of talc were recorded as produced in Russia during year ended September 1928—later figures are not available.

(a) Information not available.

(b) In addition the following were quarried : 1,770 and 2,038 cubic yards in 1930 and 1931 respectively.

(c) Excluding steatite, figures of which are not available for publication.

(d) Converted from cubic metres at rate of 1 cu. metre = 2 long tons.

(g) Excluding soapstone, which is only recorded by value and was as follows :—

1930.. .. .	£10,300
1931.. .. .	£8,600
1932.. .. .	£11,700

EXPORTS OF TALC

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	248	116	68
Canada	7,733	7,010	6,970
British India	5	—	(a)
FOREIGN COUNTRIES			
Austria	18,237	16,733	17,003
Belgium-Luxemburg E.U. ..	57	89	81
Czechoslovakia	190	124	58
Finland	496	233	55
France	27,478	23,358	19,975
Germany	1,684	1,482	592
Greece	13	34	(a)
Italy	21,250	19,328	17,066
Norway	11,574	8,540	9,530
Roumania	310	105	452
Morocco	552	682	824
Uruguay	1,440	1,761	2,584

(a) Information not available.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	14,848	13,558	14,824
Canada	4,285	2,384	1,697
Australia	271	360	332
FOREIGN COUNTRIES			
Austria	164	100	88
Belgium-Luxemburg E.U. ..	3,701	3,322	3,010
Czechoslovakia	2,416	2,137	2,138
Denmark	1,457	1,253	1,088
Estonia	115	28	120
Finland	1,248	917	1,226
France	6,638	4,771	3,640
Germany	21,350	20,364	17,760
Latvia	70	42	87
Lithuania	38	33	28
Poland	2,220	1,653	1,628
Roumania	364	324	221
Yugoslavia	695	638	524
Algeria	194	75	(a)
Egypt	1,614	1,387	1,661
Tunis	529	522	660
Mexico	336	191	(a)
Panama	33	23	(a)
United States (including manufactures)	22,511	21,025	17,837
Argentina	1,254	2,059	1,481
Chile	136	128	—
Colombia	127	(a)	(a)
Peru	61	80	67
Venezuela	15	23	20
Formosa	24	11	(a)
French Indo-China	13	8	28
Japan (total imports)	36,485	40,750	34,921
Syria and Lebanon	23	38	37
Turkey	18	13	24

(a) Information not available.

TIN

PRODUCTION OF TIN ORE

*(In terms of metal)**(Long tons)*

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	2,488	598	1,337
Nigeria	8,570	7,056	4,320
Southern Rhodesia	9	7	4
South West Africa	130	82	65
Swaziland	113	54	59
Tanganyika Territory	7	14	50
Uganda	266	108	261
Union of South Africa	930	408	540
India	2,990	2,979	3,168
Federated Malay States (shipments)	62,065	51,250	27,091
Unfederated Malay States	1,910	1,377	1,286
Straits Settlements	5	15	36
Australia	1,451	1,750	2,138
Total	80,900	65,700	40,400
FOREIGN COUNTRIES			
Czechoslovakia	25	7	(a)
France	4	—	(a)
Portugal	650	390	550
Spain	141	143	(a)
Belgian Congo	905	195	689
Mexico	363	761	740
United States	15	4	(8 cwt.)
Bolivia	(b) 38,160	(b) 31,138	21,100
China	5,196	6,191	7,000
French Indo-China	993	878	1,001
Japan	1,496	1,577	(a)
Netherlands East Indies ..	34,586	27,374	16,789
Siam	11,526	12,495	9,276
Total	94,000	81,000	59,000
WORLD'S TOTAL	175,000	147,000	99,000

NOTE.—The metal content of the ores has been calculated on the following percentages—Nigeria 72, South-West Africa 70, Swaziland 70, Uganda 70, India 70, Malay States 72, Belgian Congo 70, Japan 70, Siam 72.

(a) Information not available.

(b) Exports.

SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (estimated)	47,300	35,600	28,500
British Malaya (c)	96,972	87,514	49,945
Australia	1,544	1,690	1,958
Total	146,000	125,000	80,000
FOREIGN COUNTRIES			
Belgium (estimated)	700	200	800
France	547	700	250
Germany	2,805	3,689	1,500
Italy	87	8	7
Netherlands (estimated)	2,000	3,000	3,500
Mexico	—	12	(a)
Portugal	—	61	74
Norway	(a)	196	242
China	6,256	5,891	7,000
French Indo-China	283	67	—
Japan	773	999	986
Netherlands East Indies (exports)	14,359	12,788	8,091
Total	28,000	28,000	22,000
WORLD'S TOTAL	174,000	153,000	102,000

Secondary tin recovered in the United States (as metal, in alloys, and in chemical compounds) was as follows—

1930 .. 23,393 long tons.

1931 .. 17,679 " "

1932 .. 13,170 " "

(a) Information not available.

(c) Exports plus difference between "carry-over" at end and beginning of the year.

EXPORTS OF TIN
(Domestic Produce)
(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates ..	118	79	182
Blocks, ingots, bars and slabs	22,913	12,087	12,839
Soft solder	2,775	2,690	2,449
Tin-foil	302	185	164
Nigeria—			
Ore	12,067	10,794	5,967
Southern Rhodesia—			
Ore	72	8	5
South West Africa—			
Ore	296	121	112
Tanganyika—			
Ore and concentrates ..	10	21	94
Uganda—			
Ore	351	170	335
Union of South Africa—			
Ore and concentrates ..	1,240	641	943
British India—			
Ore (d)	2,774	2,376	2,420
Blocks, ingots, bars and slabs	716	779	7,184
British Malaya (including re-exports)—			
Ingots	97,213	83,704	47,908
Hong Kong (including re-exports)—			
Slab and ingot	(c) 5,229	6,927	7,487
Australia—			
Ore, dross etc. (<i>Sn content</i>)(b)	3	1	62
Ingots	584	888	756
FOREIGN COUNTRIES			
Austria—			
Ingots, alloys and scrap ..	124	107	101
Belgium-Luxemburg E.U.—			
Ore	42	58	66
Ingots, pigs, scrap, etc. ..	394	2,615	3,546
Sheets, wire, etc.	271	184	132
Czechoslovakia—			
Ingots, scrap and alloys ..	122	93	122
Denmark—			
Crude and scrap	55	37	35

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
France—			
Ore	191	455	330
Scrap	987	617	396
Pigs, bars, etc.	956	852	374
do. (alloys)	284	383	275
Sheets and wire	75	57	52
Germany—			
Crude, scrap and alloys	4,918	4,923	3,023
Sheets and wire	24	70	45
Tin-foil	275	218	121
Hungary—			
Crude tin	18	18	
Italy—			
Ingots, bars, scrap and alloys	272	96	92
Sheets, wire, etc. and alloys	15	2	1
Netherlands—			
Blocks	1,659	2,799	3,038
Sheets, wire, etc.	71	96	71
Norway—			
Ingots and bars	124	93	112
Poland	—	2	1
Portugal—			
Ore	913	576	503
Spain (including re-exports)—			
Ore	—	33	106
Ingots and bars	85	53	71
Sweden—			
Crude and scrap	48	47	86
Switzerland—			
Pigs, bars and slabs	17	209	111
Sheets, wire, etc., and alloys	65	75	—
Tin-foil	567	271	147
Scrap	105	19	45
Belgian Congo—			
Ore	1,240	127	1,088
Mexico—			
Concentrates (<i>Sn content</i>)	266	751	(a)
United States—			
Blocks, pigs and bars	84	(a)	(a)

(a) Information not available.

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

(c) April-December, only.

(d) Excluding tin-tungsten ore.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Argentina—			
Ore	—	—	10
Bolivia—			
Ores, concentrates, etc. (<i>Sn content</i>)	38,160	31,138	20,588
China—			
Ingots and slabs	6,483	3,478	2,009
Tin-foil	18	13	19
French Indo-China—			
Ore	1,142	—	—
Tin-tungsten ore	777	1,767	2,007
Ingots and scrap	293	79	3
Japan—			
Tin-foil	69	74	69
Netherlands East Indies—			
Ore	26,838	21,146	10,297
Ingots	14,359	12,788	8,091
Siam (including re-exports)—			
Ore	15,885	17,219	12,756

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates ..	75,601	59,868	47,269
Blocks, ingots, bars and slabs	4,312	6,978	2,212
Soft solder	36	23	16
Tin-foil	276	204	86
Irish Free State—			
Ingots, bars, slabs, etc. ..	26	12	17
Soft solder	125	112	125
Kenya and Uganda—			
Ore	30	(b) 2	(b) 3
Bar, plate, or sheet ..	1,756	325	889
Mauritius—			
Slabs, plates and sheets ..	12	15	52
Southern Rhodesia (total imports)—			
Blocks, ingots and bars ..	28	18	29
South West Africa—			
Bar, sheet, etc.	2	2	2
Union of South Africa (total imports)—			
Blocks, ingots, bars, plates and sheets	750	279	123
Tin-foil	16	12	13
Canada—			
Blocks, pigs and bars ..	2,354	1,842	1,406
Tin-foil	33	12	3
British India (total imports)—			
Blocks, ingots, bars and slabs	2,837	2,098	2,464
Wrought tin	22	5	29
Tin (government stores) ..	196	188	77
British Malaya (total imports)—			
Ore	47,165	31,369	28,454
Ceylon—			
Ingots, slabs, etc.	50	34	43
Plates and sheets	(a)	(a)	1,091
Tin solder	44	53	28

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF TIN (Cont.)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE—Cont.			
Cyprus—			
Ingots and bars	7	10	3
Hong Kong (total imports)—			
Slabs and ingots	(b) 4,268	7,969	7,308
Australia—			
Ingots	159	59	383
New Zealand—			
Ingots, etc.	251	152	140
Tin-foil	13	(a)	(a)
FOREIGN COUNTRIES			
Austria—			
Crude, alloys and scrap ..	908	940	633
Belgium-Luxemburg E.U.—			
Ore	984	297	1,161
Ingots, pigs, scrap, etc. ..	1,298	3,309	3,607
Sheets, wire, etc.	65	71	33
Bulgaria—			
Crude, bars, sheets, scrap, etc.	191	174	176
Czechoslovakia—			
Crude, scrap, and alloys ..	1,766	1,495	1,481
Tin-foil	13	9	9
Denmark—			
Crude and scrap	651	539	370
Sheets, wire, etc.	15	23	7
Tin-foil	60	50	54
Estonia—			
Crude and scrap	17	33	24
Finland—			
Ingots, sheets and scrap ..	198	170	167
Tin solder	15	13	10
France—			
Ore	897	914	355
Scrap	101	127	109
Pigs, bars, etc.	11,970	10,685	8,829
do. (alloyed with antimony)	338	357	157
Sheets and wire	333	161	110
Germany—			
Ore	10,060	6,354	1,829
Crude, scrap and alloys ..	14,409	13,300	11,919
Sheets and wire	63	85	5
Tin-foil	106	25	9
Greece	187	171	185

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
Hungary—			
Crude	490	409	275
Foil	33	20	14
Italy—			
Ingots, bars, scrap and alloys	4,632	3,540	3,734
Tubes, wire and alloys ..	12	10	10
Latvia—			
Ingots and scrap	49	53	44
Lithuania—			
Ingots and scrap	17	8	17
Netherlands—			
Ore	3,789	4,868	6,709
Blocks	1,192	920	780
Sheets, wire, etc.	120	77	148
Norway—			
Crude	324	249	310
Bars, sheets, filings, etc. ..	219	199	109
Poland—			
Ingots, bars and sheets ..	757	596	571
Portugal—			
Sheets, wire, etc.	349	336	222
Roumania—			
Ingots, bars and scrap ..	309	239	305
Sheets, plates, tubes and wire	2	3	2
Tin-foil	1	1	1
Spain (total imports)—			
Ingots and bars	1,907	1,707	1,726
Sheets and tubes	17	11	12
Foil	56	29	12
Sweden—			
Crude and scrap	1,674	1,346	1,195
Switzerland—			
Pigs, bars and slabs	2,260	1,589	1,122
Sheets, wire, etc. and alloys	12	11	10
Foil	12	18	6
Scrap	158	82	8
U.S.S.R. (Russia)—			
Blocks, pigs and scrap ..	4,830	4,415	3,848

(a) Information not available.

(b) April-December, only.

IMPORTS OF TIN (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude	593	694	297
Bars, sheets, wire, etc. ..	12	4	1
Tin-foil	11	9	5
Algeria—			
Crude, sheets and alloys, etc.	293	232	313
Belgian Congo	35	19	8
Egypt (total imports)—			
Crude and scrap	474	453	374
Morocco—			
Ingots, sheets and wire ..	30	57	64
Tunis—			
Pigs, bars, and sheets ..	61	59	65
Cuba (total imports)—			
Ingots	29	19	(a)
Bars, sheets, etc.	111	90	(a)
Mexico—			
Ingots	(a)	94	(a)
Salvador	26	(a)	(a)
United States—			
Ore (<i>Sn content</i>)	289	30	17
Blocks, pigs, bars, etc. ..	78,585	64,404	33,702
Argentina—			
Ingots and sheets	1,242	950	896
Brazil (total imports)—			
Bars, rods, sheets and plates	579	392	543
Chile—			
Ingots	115	106	46
Bars and sheets	13	2	—
Ecuador—			
Ingots, sheets, etc.	7	5	(a)
Peru—			
Bars and sheets	46	15	30
Tin-foil	1	1	1
Solder	18	10	9
Uruguay—			
Ingots	260	245	(a)
Venezuela—			
Crude	32	12	17
China—			
Ingots and slabs	3,128	1,087	176
Tin and lead foils	399	89	31

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (<i>Cont.</i>)			
French Indo-China—			
Tin-tungsten ore	21	13	2
Ingots and alloys	159	94	85
Sheets	74	69	34
Formosa—			
Ingots, slabs, etc.	139	141	(a)
Tin-foil	5	2	(a)
Iraq (b)—			
Crude, etc.	138	55	41
Japan (total imports)—			
Ingots and slabs	3,165	3,152	3,382
Tin-foil	5	2	—
Netherlands East Indies—			
Tin and tin-foil	230	130	(a)
Philippine Islands—			
Ingots	81	43	54
Tin-foil	42	—	6
Siam (total imports)—			
Crude	34	12	22
Syria and Lebanon—			
Ingots and sheets	28	82	61
Turkey—			
Ingots, etc.	414	317	336

(a) Information not available.

(b) Years ended March 31 of the year following.

TITANIUM MINERALS**PRODUCTION OF TITANIUM MINERALS**

(Long tons)

Producing Country and Description	1930	1931	1932
BRITISH EMPIRE			
Sierra Leone—			
Ilmenite	—	10	—
Canada (shipments)—			
Titaniferous iron ore ..	368	1,347	—
India—			
Ilmenite	28,776	36,166	50,053
FOREIGN COUNTRIES			
Norway—			
Ilmenite	7,509	5,000	13,268
Rutile	45	21	30
Portugal—			
Ilmenite	820	150	—
Egypt	—	—	479
Senegal—			
Ilmenite	1,203	1,100	—
Brazil (exports)—			
Ilmenite	79	—	34

NOTE.—Titanium minerals are also produced in the United States, but figures are not available for publication.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE.			
Canada— Titaniferous iron ore ..	498	1,388	643
India (Travancore) (b)— Ilmenite	15,410	33,783	45,850
FOREIGN COUNTRIES			
France— Titanium oxide	3	42	135
Italy— Ferro-titanium	18	73	4
Titanium oxide	(a)	485	432
Norway— Ilmenite	6,484	7,989	10,657
Rutile	28	26	30
Titanium oxide	273	216	314
Senegal— Ilmenite	5,237	394	—
Brazil— Ilmenite	79	—	34

(b) Years ended July 31 of the year stated.

IMPORTS OF TITANIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom— Titanium and zirconium minerals	29	80	19
FOREIGN COUNTRIES			
France— Titanium oxide	883	950	985
Italy— Ferro-titanium	7	5	24
United States— Ilmenite	22,298	29,857	33,491
Titanium and ferro-titanium	1	1	2
Titanium compounds ..	37	21	28
Rutile	(c) 3	1	79

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

(c) January 1 to June 17 only.

TUNGSTEN

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Long tons)

Producing Country	1930	1931	1932	Estimated WO ₃ Content.		
				1930	1931	1932
BRITISH EMPIRE						
United Kingdom— Concentrates ..	128	100	2	90	71	1
Southern Rhodesia Concentrates ..	35	21	13	23	14	8
Union of South Africa— Concentrates ..	—	2	—	—	1	—
India— Concentrates ..	2,452	2,248	2,023	1,594	1,461	1,315
Federated Malay States—						
Wolfram ..	65	—	—	42	—	—
Scheelite ..	784	368	302	580	272	223
Unfederated Malay States—						
Wolfram ..	195	193	129	127	125	100
Australia—						
Wolfram ..	201	80	44	131	52	29
Scheelite ..	6	4	(12 cwt.)	4	3	(8 cwt.)
New Zealand— Scheelite ..	24	—	—	15	—	—
FOREIGN COUNTRIES						
Czechoslovakia— Concentrates ..	54	12	(a)	39	9	(a)
Tin-tungsten con- centrates ..	38	10	(a)	5	1	(a)
Portugal— Concentrates ..	464	257	257	302	167	158

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country	1930	1931	1932	Estimated WO ₃ Content.		
				1930	1931	1932
FOREIGN						
COUNTRIES (Cont.)						
Spain—						
Concentrates ..	231	129	(a)	150	80	(a)
Mexico—						
Concentrates ..	25	—	—	16	—	—
United States—						
Concentrates ..	627	1,254	354	376	752	212
Argentina—						
Concentrates ..	90	19	(a)	58	12	(a)
Bolivia—						
Concentrates ..	838	402	671	524	242	405
China—						
Ore	6,736	2,970	(a)	4,378	1,931	(a)
French Indo-China						
Tin-tungsten con-						
centrates ..	198	244	(a)	130	154	148
Japan—						
Concentrates ..	73	51	(a)	47	33	(a)
Korea—						
Concentrates ..	11	(a)	(a)	7	(a)	(a)
Netherlands East						
Indies—						
Ore	30	1	—	21	1	—
Siam (exports)—						
Ore	6	10	—	4	6	—

(a) Information not available.

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

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	109	140	607
Ferro-tungsten	509	1,009	228
Tungsten powder, wire, etc.	103	63	13
British India—			
Tungsten and tin-tungsten ores	3,268	4,468	3,397
British Malaya (including re-exports)—			
Wolfram	247	181	122
Scheelite	793	368	302
Hong Kong (including re- exports)—			
Tungsten ore	(b) 3,366	1,974	1,049
Australia (including re-exports)—			
Wolfram	182	62	57
New Zealand—			
Scheelite	17	5	8
FOREIGN COUNTRIES			
Czechoslovakia—			
Tungsten ore	60	10	—
Italy—			
Ferro-tungsten	9	207	1,467
Portugal—			
Tungsten ore	467	278	269
Spain (including re-exports)—			
Wolfram and wulfenite ..	848	192	91
Sweden—			
Ferro-tungsten	—	24	91
Mexico—			
Tungsten ore	42	—	—
United States—			
Tungsten and ferro-tungsten	13	472	63
Argentina—			
Tungsten ore	93	23	6

(b) April–December only.

EXPORTS OF TUNGSTEN, ETC.—(Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Bolivia—			
Tungsten ore (WO_3 content)	524	242	405
China—			
Tungsten ore	8,589	6,807	2,044
French Indo-China—			
Tin-tungsten ore	777	1,767	2,007
Tungsten ore	117	206	134
Korea—			
Tungsten ore	9	1	19
Siam (including re-exports)—			
Tungsten ore	6	10	—

IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	3,190	3,229	3,331
Tungsten powder, wire, etc.	1	(1 cwt.)	2
British Malaya (total imports)—			
Tungsten ore	5	—	—
Hong Kong (total imports)—			
Tungsten ore	(b)1,944	3,889	612
FOREIGN COUNTRIES			
Czechoslovakia—			
Tungsten ore	—	2	—
Germany—			
Tungsten ore	3,950	4,746	1,687
Italy—			
Ferro-tungsten	47	57	2
Norway—			
Ferro-tungsten, etc. ..	83	25	7
Spain (total imports)—			
Wolfram and wulfenite ..	11,734	—	—
Sweden—			
Ferro-tungsten	223	98	87
U.S.S.R. (Russia)—			
Ferro-tungsten	1,617	3,622	2,109
Yugoslavia—			
Tungsten ore	10	—	—
United States (total imports)—			
Tungsten ore (<i>W content</i>) ..	—	486	48
Ferro-tungsten and tungsten alloys (<i>W content</i>) (c) ..	1,613	46	1
French Indo-China—			
Tin-tungsten ore	21	13	2

(b) April–December only.

(c) Total exports.

URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS
(Cwt.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES			
Czechoslovakia (U_3O_8) ..	259	309	(a)
Portugal	—	—	645
Belgian Congo	(i)	8,149	(i)
Madagascar	—	8	(a)
United States (U_3O_8) ..	(a)	11	(a)

Uranium minerals are also produced in Russia. The production as recorded in 1927 was about 50 tons; later information is not available.

(a) Information not available.

(i) The output of uranium minerals is not available for these years but it is reported that the radium produced from these ores amounted to 60, 40 and 6 grams in 1930, 1931 and 1932 respectively. This production of radium represents the greater part of the world's supplies.

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description	Unit	1930	1931	1932
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Uranium oxide	Cwt.	795	1,701	551
France— Uranium salts	Cwt.	6	2	—
Portugal— Uranium minerals	Cwt.	20	—	—
Belgian Congo— Uranium minerals	Cwt.	25,518	7,531	2,567

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

Importing Country and Description	Unit	1930	1931	1932
BRITISH EMPIRE				
United Kingdom— Uranium minerals	Cwt.	318	165	242
Canada— Radium	£	9,446	44,147	11,302
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Uranium oxide	Cwt.	2	4	2
France— Uranium oxide	Cwt.	114	69	55
Other uranium salts	do.	10	16	2
Radium and radium products	Lb.	527	198	82
United States— Uranium oxide and salts ..	Cwt.	2,064	1,608	1,091
Radium salts	£	190,220	167,914	136,631
Turkey— Uranium salts	Cwt.	—	34	—

VANADIUM

PRODUCTION OF VANADIUM ORES

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Northern Rhodesia—			
Oxide	98	268	363
Concentrates	—	705	1,204
South West Africa	4,461	4,602	2,973
FOREIGN COUNTRIES			
France	70	84	(a)
Peru (<i>V content</i>)	440	—	—

Vanadium ores are also produced in the United States.

(a) Information not available.

EXPORTS OF VANADIUM

(*Domestic Produce*)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
Northern Rhodesia—			
Concentrates	768	504	897
Oxide	—	190	421
South West Africa—			
Concentrates	3,835	3,940	1,333
FOREIGN COUNTRIES			
France—			
Oxide	—	1	—
Peru—			
Concentrates	5,005	—	—
<i>V content</i>	447	—	—

IMPORTS OF VANADIUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Italy— Ferro-vanadium	31	31	28
Norway— Ferro-vanadium, etc. ..	83	25	7
U.S.S.R. (Russia)— Ferro-vanadium	199	339	206
United States— Ore	5,168	—	—
Turkey— Vanadium oxide	—	10	—

Imports of vanadium ore, etc., into the United Kingdom are not separately recorded.

ZINC

PRODUCTION OF ZINC ORE

(In terms of metal)

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom	647	196	4
Nigeria	12	—	—
Northern Rhodesia	19,477	6,927	—
Canada (shipments) (b)	117,726	192,302	96,014
Newfoundland	29,608	49,105	65,403
India	60,700	45,300	41,400
Australia	119,613	74,212	115,672
Total ..	348,000	368,000	318,000
FOREIGN COUNTRIES			
Austria	3,501	686	1,585
Belgium (c)	4,000	4,000	3,000
Czechoslovakia	632	1,362	(a)
Finland	443	(a)	740
France	8,015	4,231	(a)
Germany	136,463	103,358	74,086
Greece	3,637	5,631	7,100
Hungary	480	(a)	(a)
Italy	78,309	46,348	39,200
Norway	7,509	7,310	8,734
Poland	118,000	62,000	25,000
Spain	48,200	38,000	34,000
Sweden	29,500	28,700	22,800
U.S.S.R. (Russia)	17,700	20,000	(a)
Yugoslavia	13,300	26,900	46,061
Algeria	7,244	3,137	1,700
Egypt	300	—	—
French Morocco	405	—	—

PRODUCTION OF ZINC ORE (Cont.)

Producing Country	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Tunis	700	248	—
Mexico	140,644	118,360	56,308
United States	531,629	366,355	254,466
Bolivia (exports)	5,933	14,438	12,763
Chile	1	(a)	(a)
Peru	11,095	(a)	(a)
China	6,000	5,800	(a)
French Indo-China	15,600	7,900	5,000
Korea (estimated)	50	—	(a)
Japan (c)	10,000	10,000	10,000
New Caledonia	1,000	—	(a)
Turkey (estimated)	2,900	1,000	1,600
Total ..	1,200,000	880,000	640,000
WORLD'S TOTAL	1,550,000	1,250,000	960,000

(a) Information not available.

(b) The amount estimated as recoverable was—

1930 ..	119,484 long tons.
1931 ..	105,913 "
1932 ..	76,912 "

(c) Metallgesellschaft estimate.

METAL PRODUCTION OF ZINC

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
United Kingdom (b) ..	48,598	21,241	26,875
Northern Rhodesia ..	17,907	6,927	—
Canada	108,479	105,913	76,912
Australia	54,901	53,832	53,200
Total ..	230,000	188,000	157,000
FOREIGN COUNTRIES			
Belgium	173,447	132,592	97,416
Czechoslovakia	13,259	7,792	(a)
France	85,557	56,200	48,000
Germany (b) (d)	99,784	47,853	45,000
Italy	18,960	16,646	17,700
Netherlands	22,888	19,018	15,377
Norway	34,064	38,849	38,751
Poland	171,608	128,691	83,611
Spain	10,528	9,935	9,751
Sweden	4,139	92	(a)
U.S.S.R. (Russia) (years ended Sept. 30)	4,577	9,364	(a)
Yugoslavia	5,418	4,393	2,313
Mexico	18,450	34,388	29,800
United States (c)	444,683	260,711	184,954
French Indo-China	3,795	2,836	2,244
Japan	24,280	25,006	25,000
Total ..	1,140,000	790,000	620,000
WORLD'S TOTAL ..	1,370,000	980,000	780,000

(a) Information not available.

(b) Includes some secondary metal.

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

	1930	1931	1932
A—High grade ..	139,727	74,504	39,460
B—Intermediate grade	23,285	21,361	11,871
C & D—Select and brass special	83,277	65,423	59,682
E—Prime western ..	229,510	118,730	87,082
Total secondary zinc re- covered	113,800	91,100	(a)

(d) The figures published by *Metallgesellschaft* (which exclude secondary) are (long tons)—

	1930	1931	1932
	95,800	44,600	41,300

PRODUCTION OF ZINC SHEETS

(Long tons)

Producing Country	1930	1931	1932
United Kingdom	3,500	3,200	9,400
Austria (estimated) ..	1,000	1,000	1,000
Belgium	73,707	63,511	(a)
Czechoslovakia	1,535	1,456	(a)
France	78,200	70,400	65,000
Germany	65,706	51,114	43,486
Poland	21,653	18,114	(a)
Spain	4,218	4,000	(a)
Yugoslavia	1,221	800	(a)
United States	(b) 45,879	44,021	35,474

(a) Information not available.

(b) Includes some duplication.

PRODUCTION OF ZINC DUST

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Canada (estimated) ..	100	100	100
FOREIGN COUNTRIES			
Belgium	2,520	3,868	(a)
Poland	7,700	8,700	3,911
United States—			
Prepared blue powder (sales)	8,247	9,474	7,184
Primary zinc recovered as dust	2,285	2,518	1,876

(a) Information not available.

PRODUCTION OF ELECTROLYTIC ZINC

(Long tons)

Producing Country	1930	1931	1932
BRITISH EMPIRE			
Northern Rhodesia ..	17,907	6,871	—
Canada	108,479	105,913	76,912
Australia (Tasmania) ..	54,901	53,832	53,200
FOREIGN COUNTRIES			
France	20,500	23,100	18,800
Italy	12,979	11,581	11,064
Norway	34,064	38,849	38,751
Poland	20,252	9,584	11,000
United States	117,113	73,123	20,721
Japan	(c) 1,000	1,205	(c) 1,000

(c) Estimated.

EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Ore (including ashes) ..	3,265	12,518	5,570
Spelter	3,856	4,978	4,913
Sheets, plates and discs ..	1,413	1,176	1,303
Oxide	2,797	4,419	10,584
Lithopone	1,222	1,674	2,273
Nigeria—			
Ore	10	—	—
Northern Rhodesia—			
Ingots	15,208	11,719	65
Canada—			
Ore (<i>Zn content</i>)	20,966	—	—
Spelter	67,395	106,258	78,269
Dross, scrap and ashes ..	2,147	488	370
Newfoundland (years ended June 30)—			
Concentrates	55,213	45,783	88,847
British Borneo (Sarawak)—			
Zinc	(£1,504)	(£136)	(£1,504)
British India—			
Concentrates, etc.	64,800	54,818	49,950
British Malaya (including re-exports)—			
Sheets	87	88	93
Hong Kong (including re- exports)—			
Sheets	(c) 239	1,894	1,889
Australia (including re-exports)—			
Ores and concentrates (<i>Zn content</i>) (b)	106,554	80,660	30,631
Dust (<i>£ Australian</i>)	(£95)	(£100)	(£20)
Bars, rods, sheets, etc. ..	33,387	56,396	37,487

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

(c) April–December only.

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES			
Austria—			
Ores	1,778	2,512	2,252
Spelter, scrap and alloys ..	1,487	1,338	921
Sheets, bars, etc.	161	131	156
Zinc-white and zinc-grey ..	(d) 160	(d) 56	35
Lithopone, etc.	39	191	25
Belgium-Luxemburg E.U.—			
Ore	53,877	33,943	25,294
Spelter and scrap	59,344	55,720	63,059
Sheets and wire	55,157	46,763	39,612
Dust	2,758	3,015	3,071
Oxide	11,159	10,334	6,713
Lithopone	10,006	13,222	9,556
Bulgaria—			
Ore, including nickel ore ..	506	—	—
Czechoslovakia—			
Ore	—	192	—
Spelter, scrap and alloys ..	1,595	697	856
Sheets and plates	1,163	918	714
Zinc-white and zinc-grey ..	2,949	1,640	790
Lithopone	1,165	1,034	822
Denmark—			
Spelter, sheets and scrap ..	161	356	254
France—			
Ore	33,516	29,103	26,986
Spelter, bars and scrap ..	10,510	5,710	1,769
Sheets	7,385	4,778	4,025
Oxide	2,997	3,186	2,664
Lithopone	1,504	376	711
Germany—			
Ore	187,585	124,896	93,647
Spelter, dust, scrap and alloys	26,318	14,833	13,132
Sheets and wire	5,427	6,779	5,398
Zinc-white and zinc-grey ..	24,695	29,298	19,653
Lithopone	18,567	17,816	11,702
Greece—			
Calamine	596	—	—
Oxide	(a)	1,734	—

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Spelter and scrap	119	75	13
Sheets	331	322	96
Zinc-white and zinc-grey ..	79	81	19
Italy—			
Ore	142,296	67,419	31,370
Ashes	424	173	112
Spelter, scrap and alloys ..	174	414	—
Sheets, wire and alloys, etc.	20	25	18
Oxide	23	31	16
Lithopone	356	423	324
Netherlands—			
Ore	30	20	8,731
Spelter and scrap	21,184	15,242	14,495
Sheets	2,423	4,739	4,092
Oxide	45	90	47
Norway—			
Ore	11,131	11,706	18,468
Spelter	26,669	44,681	37,214
Zinc-white	37	17	—
Ashes and scrap	442	643	224
Poland—			
Ores and slag	1,044	821	1
Spelter, dust and scrap ..	130,042	107,113	67,786
Refined zinc	7,763	6,962	9,458
Sheets, tubes and wire ..	12,423	9,513	4,522
Zinc-white and lithopone ..	1,983	3,025	2,145
Roumania—			
Ore	11	4,723	8,343
Scrap	72	41	10
Zinc-white and zinc-grey ..	13	5	—
Spain (including re-exports)—			
Blende	81,639	60,583	64,880
Calamine	41,802	31,117	3,514
Spelter and scrap	2,876	2,109	358
Plates, nails and wire ..	31	44	38
Sweden—			
Ore	71,301	63,921	46,200
Spelter and scrap	4,469	1,805	1,358
Sheets	9	2	7
Zinc-white	1,329	15	39

(a) Information not available.

(d) Including titanium white.

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Spelter and scrap	3,488	4,059	3,769
Zinc-white, etc.	1	4	4
U.S.S.R. (Russia)—			
Calamine	23,250	46,021	6,243
Yugoslavia—			
Ore	4,836	43,751	75,884
Spelter, scrap and dust ..	2,679	2,015	970
Plates and sheets	759	10	20
Zinc-white	8	57	35
Algeria—			
Ore	16,453	7,467	3,856
Spelter, plates and scrap ..	477	278	153
Egypt—			
Spelter and scrap	(b) 2,428	75	83
Morocco—			
Ore and scrap	409	573	16
Tunis (including re-exports)—			
Ore	4,559	1,138	—
Mexico—			
Ores and concentrates ..	202,265	146,611	} (a)
Spelter	16,764	39,500	
United States—			
Ore	—	12	—
Dross	1,037	341	159
Spelter	4,136	574	5,778
Dust	1,051	1,250	1,230
Sheets, strips, etc.	3,453	2,464	2,687
Oxide	9,601	4,581	1,126
Lithopone	3,273	3,411	2,868
Argentina—			
Slag and ash	604	1,084	839
Bolivia—			
Ores (Zn content)	5,933	14,438	12,763

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Chile—			
Ore	4	5	(a)
Spelter and sheets	75	101	(a)
Peru—			
Ores, etc. (<i>Zn content</i>) ..	8,820	96	76
China—			
Ore	7,470	8,015	10,455
Spelter	(a)	(a)	19
French Indo-China—			
Ore	27,557	14,459	2,953
Spelter and scrap	3,920	2,568	638
Sheets	2	2	2
Korea—			
Ore	2,765	2	3
Turkey—			
Ore	3,561	1,526	—
Spelter, scrap and alloys ..	156	137	65
Sheets, dust and alloys ..	4,290	—	—

(a) Information not available.

(b) March-December only.

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

Importing Country and Description	1930	1931	1932
BRITISH EMPIRE			
United Kingdom—			
Calamine	4,674	1,026	—
Sulphides	149,050	73,083	112,487
Ashes, etc.	3,031	2,864	1,217
Spelter	130,593	139,047	86,246
Sheets, plates and discs ..	21,501	22,341	13,141
Oxide	10,474	7,784	765
Lithopone	20,605	21,803	6,030
Kenya and Uganda—			
Bars, plates and sheets ..	3	8	4
Northern Rhodesia—			
Spelter	—	11	(a)
Southern Rhodesia—			
Spelter	139	209	262
South West Africa—			
Spelter	7	2	1
Union of South Africa (total imports)—			
Spelter and dust	342	412	414
Sheets	2,072	2,448	1,514
Canada—			
Spelter	830	10	30
Dust	227	180	237
Sheets, plates, bars, etc. ..	3,845	2,028	1,872
Zinc-white	6,507	5,126	4,514
Lithopone	7,166	6,189	7,192
British Borneo (Sarawak)—			
Sheets	(£1,500)	(£516)	(£694)
British India (total imports)—			
Spelter	7,780	8,713	15,308
Sheets, etc.	2,138	1,268	1,429
Zinc-white	2,710	2,462	2,469
Lithopone	(b) 366	631	699
British Malaya (total imports)			
.. .. .	352	231	199
Ceylon—			
Sheets and plates	60	33	42
Hong Kong (total imports)—			
Sheets	(b) 127	1,259	756
Palestine (total imports)—			
Spelter and sheets	254	100	138

IMPORTS OF ZINC (*Cont.*)

Importing Country and Description.	1930	1931	1932
BRITISH EMPIRE (<i>Cont.</i>)			
Australia—			
Dust	(£1,457)	(£177)	(£33)
Blocks, sheets, scrap, etc. ..	652	557	727
Oxides	76	89	31
Lithopone	1,105	850	1,141
New Zealand—			
Spelter, bars and sheets ..	229	144	145
FOREIGN COUNTRIES			
Austria—			
Spelter, scrap and alloys ..	7,861	6,690	5,057
Sheets, bars, etc.	98	53	15
Zinc-white and zinc-grey ..	(<i>d</i>) 1,421	(<i>d</i>) 1,272	188
Lithopone, etc.	1,975	2,444	1,789
Belgium-Luxemburg E.U.—			
Ore	421,468	376,845	251,729
Spelter and scrap	7,002	34,832	26,778
Sheets and wire	571	851	1,300
Dust	2,727	100	95
Lithopone	1,446	1,439	765
Oxide	2,349	1,995	2,109
Bulgaria—			
Spelter, bars, sheets and scrap	745	808	1,072
Zinc-white	(<i>c</i>) 477	(<i>c</i>) 554	336
Lithopone			197
Czechoslovakia—			
Ore	20,084	13,402	10,513
Spelter, scrap and alloys ..	12,807	11,415	8,536
Sheets and plates	162	131	61
Zinc-white, zinc-grey, etc.	203	175	66
Denmark—			
Spelter and scrap	2,899	2,274	2,373
Plates and sheets	4,824	4,601	2,879
Zinc-white	2,086	2,065	1,811
Lithopone	1,167	1,293	1,128
Estonia—			
Spelter, plates, dust and scrap	61	75	45
Zinc-white	197	193	222
Lithopone	—	5	23

(a) Information not available.

(b) April-December, only.

(c) Including red and white lead.

(d) Including titanium white.

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Finland—			
Spelter, sheets and scrap ..	427	440	446
Zinc-white	1,322	1,394	1,222
Lithopone, etc.	254	258	246
France—			
Ore	282,292	184,491	116,765
Spelter, bars and scrap ..	47,080	58,698	51,046
Sheets	1,776	2,576	2,216
Oxide	1,446	855	474
Lithopone	152	124	210
Germany—			
Ores	132,051	83,078	58,552
Spelter, dust, scrap and alloys	108,962	117,112	100,182
Sheets and wire	6,925	6,966	5,921
Zinc-white and zinc-grey ..	1,774	654	336
Lithopone	3,416	3,570	3,592
Greece—			
Spelter	513	476	359
Hungary—			
Spelter and scrap	4,152	4,095	3,108
Sheets	33	25	11
Zinc-white and zinc-grey ..	459	149	51
Lithopone	1,227	544	541
Iceland—			
Zinc-white	48	(a)	(a)
Italy—			
Ore and ashes	26	1	3,404
Spelter, scrap and alloys ..	5,966	1,893	2,506
Sheets, wire, etc., and alloys	3,993	1,826	1,264
Oxide	610	1,390	924
Lithopone	2,107	1,109	1,603
Latvia—			
Spelter, sheets and scrap ..	423	469	698
Zinc-white	355	255	26
Lithopone	90	43	40
Lithuania—			
Spelter, sheets and scrap ..	133	197	181
Zinc-white	} 211	87	163
Lithopone		98	81
Netherlands—			
Ore	83,845	53,238	35,883
Spelter and scrap	6,928	8,838	5,094
Sheets	9,099	9,267	7,009

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Netherlands (Cont.)			
Zinc-white	4,358	3,821	3,573
Lithopone	1,919	1,487	1,389
Oxide	13,598	14,408	7,883
Norway—			
Ore	61,000	73,066	75,960
Ashes	206	158	279
Spelter	1,103	1,473	337
Bars and sheets	1,746	1,491	1,429
Zinc-white	2,123	2,117	1,809
Poland—			
Ores and slag	204,404	147,413	99,154
Spelter, dust and scrap	24	3	166
Refined zinc, sheets, etc.	5	5	9
Zinc-white and lithopone	198	100	76
Portugal—			
Sheets, etc.	637	529	593
Oxide	76	123	185
Lithopone	1,696	447	478
Roumania—			
Spelter	2,271	2,475	3,901
Sheets, plates and wire	887	682	848
Zinc-white and zinc-grey	1,117	995	1,024
Lithopone	499	361	324
Spain (total imports)—			
Blende	8,331	89	600
Calamine	62	583	—
Spelter and scrap	993	1,285	1,109
Plates, nails and wire	77	51	38
Sweden—			
Ore	2,768	—	—
Spelter and scrap	8,184	8,420	8,255
Sheets	2,809	2,295	1,536
Zinc-white	5,318	5,938	4,544
Lithopone	2,184	1,917	1,895
Switzerland—			
Spelter and scrap	6,467	7,161	4,109
Bars, sheets, pipes and wire	1,692	1,639	1,440
Zinc-white, lithopone, etc.	4,323	4,628	4,447
U.S.S.R. (Russia)—			
Spelter, sheets, dust, etc.	39,397	23,285	10,432

(a) Information not available.

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Ore	11,980	4,285	3,643
Spelter and scrap	335	400	336
Bars, sheets, wire, etc. ..	58	42	18
Zinc-white, lithopone, etc.	1,281	406	179
Algeria—			
Ore	127	—	(a)
Spelter, bars, sheets and scrap	1,496	1,389	1,121
Belgian Congo—			
Spelter, etc... .. .	10	3	—
Egypt—			
Spelter, sheets and scrap ..	557	348	(b) 387
Zinc-white	1,285	978	1,607
Morocco—			
Spelter, sheets and wire ..	322	302	(a)
Lithopone	150	144	173
Mozambique—			
Spelter, bars and sheets ..	520	274	266
Tunis—			
Sheets	174	251	198
Oxide	132	132	160
Cuba (total imports)—			
Spelter and sheets	80	54	(a)
Mexico—			
Spelter, sheets and scrap ..	1,131	1,277	(a)
Panama—			
Sheets	17	7	(a)
Zinc-white	69	61	(a)
United States—			
Ore (<i>Zn content</i>)	23,114	697	1,700
Spelter and scrap	378	245	278
Pigments (total imports) ..	7,272	6,369	6,604
Argentina—			
Spelter and bars	8,382	5,459	3,710
Sheets and plates	3,312	2,629	1,936
Zinc-white	981	1,186	1,257
Lithopone	801	1,009	981
Brazil (total imports)—			
Bars, sheets and plates ..	952	613	1,040
Zinc-white	3,651	3,006	3,674
Chile—			
Spelter	2,254	656	183
Sheets	457	503	49
Zinc-white, etc.	368	233	41

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1930	1931	1932
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Ingots, bars, tubes and alloys	150	(a)	(a)
Zinc-white	164	(a)	(a)
Ecuador—			
Spelter, sheets and pipes ..	46	25	(a)
Peru—			
Spelter, bars, sheets, etc.	69	40	47
Uruguay—			
Sheets	121	144	(a)
Venezuela—			
Spelter	27	18	25
Oxide	326	321	211
China—			
Spelter and dust	1,528	1,143	630
Sheets and plates	1,385	1,973	1,541
Zinc-white	1,025	2,011	2,117
Formosa—			
Zinc	60	—	(a)
French Indo-China—			
Spelter	18	12	9
Sheets	1,596	394	972
Oxide	53	30	52
Japan (total imports)—			
Ore	18,716	24,507	34,983
Spelter	22,118	20,170	20,574
Sheets and plates	2,760	2,355	2,925
Netherlands East Indies—			
Spelter and alloys	672	441	(a)
Zinc-white	1,668	1,163	(a)
Philippine Islands—			
Spelter, bars and sheets ..	251	91	107
Oxide	775	596	736
Siam (total imports)—			
Spelter	607	441	400
Syria and Lebanon—			
Spelter and sheets ..	243	162	237
Turkey—			
Ore	3	10	2
Spelter, scrap and alloys ..	49	40	539
Bars, tubes, wire and alloys	925	1,089	1,217

(a) Information not available.

(b) Total imports.

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