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1936-1938



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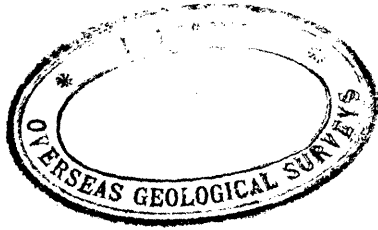
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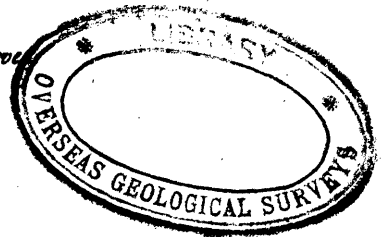
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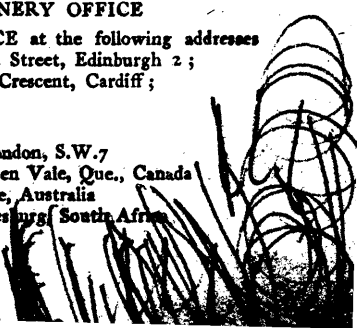
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# IMPERIAL INSTITUTE

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THE Imperial Institute was established to promote the industrial utilization of the raw materials of the Empire.

The technical work of the Institute is carried out by two principal Departments, viz., a Plant and Animal Products Department and a Mineral Resources Department.

*Intelligence.*—Special sections deal with enquiries relating to the sources, production, uses and marketing of raw materials, and with the collection and dissemination of general and statistical information concerning them.

*Investigations.*—The laboratories of the Institute are specially equipped for the chemical and technical examination of raw materials of all kinds with a view to determining their possible uses and value. Full reports are furnished on the composition, commercial utilization and value of materials submitted.

*Advisory Councils and Consultative Committees.*—A number of technical committees, consisting of authorities on the various groups of raw materials and acting under an Advisory Council for each department, co-operate in the work of the Imperial Institute, and close touch is also maintained with producers, brokers, merchants and users. Valuable help can thus be given to persons interested in the development of Empire raw materials.

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*Publications.*—Numerous publications of an authoritative character are issued containing information dealing with the various raw materials and the related industries. Details of the principal publications are given at the end of this volume.

## CONTENTS

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	PAGE		PAGE
Introductory Note .. .. .	4	Mercury ( <i>see</i> Quicksilver).	
Abrasives .. .. .	5	Mica .. .. .	241
Aluminium .. .. .	16	Molybdenum .. .. .	244
Antimony .. .. .	27	Monazite .. .. .	247
Arsenic .. .. .	33	Nickel .. .. .	251
Asbestos .. .. .	40	Nitrogen Compounds .. .. .	257
Barium Minerals .. .. .	49	Petroleum and Allied Products	276
Bauxite ( <i>see</i> Aluminium).		Phosphates .. .. .	327
Bismuth .. .. .	56	Platinum .. .. .	338
Borates .. .. .	60	Potash Minerals .. .. .	344
Bromine .. .. .	67	Pyrites ( <i>see also</i> Sulphur) ..	358
Cadmium .. .. .	70	Quicksilver .. .. .	362
China Clay .. .. .	72	Radium ( <i>see</i> Uranium Minerals).	
Chrome Ore and Chromium ..	76	Salt .. .. .	369
Coal, Coke and By-Products ..	82	Selenium .. .. .	441
Cobalt .. .. .	119	Silver .. .. .	381
Columbite .. .. .	441	Strontium Minerals .. .. .	391
Copper .. .. .	123	Sulphur ( <i>see also</i> Pyrites) ..	393
Diamonds .. .. .	138	Talc .. .. .	400
Diatomaceous Earth .. .. .	144	Tantalite .. .. .	441
Felspar .. .. .	147	Tellurium .. .. .	442
Ferro-alloys .. .. .	184	Tin .. .. .	403
Fluorspar .. .. .	149	Titanium Minerals .. .. .	413
Fuller's Earth .. .. .	151	Tungsten .. .. .	416
Gold .. .. .	152	Uranium Minerals .. .. .	421
Graphite .. .. .	165	Vanadium .. .. .	423
Gypsum .. .. .	169	Zinc .. .. .	425
Iron and Steel .. .. .	176	Zirconium Minerals .. .. .	442
Lead .. .. .	208	Miscellaneous Minerals .. .. .	441
Lithia Mica .. .. .	241	List of Statistical Publications	443
Magnesite .. .. .	224		
Manganese .. .. .	233		

## INTRODUCTORY NOTE

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Materials imported or exported on government account have been included as far as possible.

As from April 1, 1937, the statistics for India include the trade with Burma, and exclude the direct foreign trade of Burma, which is given separately.

The statistics for Germany and Austria do not include the trade between these two countries during 1938.

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.

Except where otherwise stated the trade figures are intended to represent imports for home consumption and exports of domestic produce. In the case of foreign countries, however, many countries include a certain amount of "nationalised" goods, *i.e.* goods originally imported, but which, if dutiable, have been charged with duty and subsequently re-exported. Goods imported for "improvement" and re-exported after "improvement" are also generally included.

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 monographs published by the Mineral Resources Department of the Imperial Institute (see lists at the end of this volume). These monographs contain much information which has a bearing on the statistical data recorded in this volume.

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## ABRASIVES

### PRODUCTION OF NATURAL ABRASIVES (Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE.			
Southern Rhodesia—			
Corundum .. .. .	—	18	100
Union of South Africa—			
Corundum .. .. .	4,332	2,247	1,383
Canada—			
Grindstones .. .. .	321	224	} 273
Pulpstones .. .. .	78	78	
Sharpening stones .. .. .	109	66	
Cyprus—			
Pumice .. .. .	313	2	74
India—			
Corundum .. .. .	2	—	3
Garnet sand .. .. .	5	330	120
Australia—			
Emery .. .. .	—	10	(a)
New Zealand—			
Pumice (b) .. .. .	3,242	2,931	3,046
FOREIGN COUNTRIES.			
Belgium—			
Grindstones ( <i>number</i> ) .. .. .	79,530	63,760	(a)
France—			
Tripoli .. .. .	50	(a)	(a)
Millstones .. .. .	12,550	11,100	(a)
Sharpening stones .. .. .	100	50	(a)
Germany—			
Emery (Bavaria) .. .. .	220	255	(a)
Whetstone (Thuringia) .. .. .	—	101	(a)
Greece—			
Emery .. .. .	15,000	7,340	(a)
Pumice ( <i>number</i> ) .. .. .	52,703	29,070	(a)
Italy—			
Pumice .. .. .	96,269	121,746	124,443
Millstones .. .. .	632	527	274
Sharpening stones .. .. .	1,496	6,112	8,036
Whetstones .. .. .	509	489	609
Norway (exports)—			
Millstones, grindstones, etc. .. .. .	650	782	697

(a) Information not available.

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

## PRODUCTION OF NATURAL ABRASIVES (Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Millstones ( <i>number</i> ) .. ..	12	10	(a)
Sweden—			
Millstones, etc. .. ..	113	46	49
Yugoslavia—			
Millstones ( <i>number</i> ) .. ..	604	(a)	(a)
Egypt—			
Pumice .. ..	2,061	2,767	1,944
Madagascar—			
Corundum .. ..	83	27	34
United States(Sales)—			
Emery .. ..	290	286	—
Garnet .. ..	3,411	4,342	2,383
Pumice .. ..	65,103	63,399	58,698
Tripoli .. ..	25,435	31,193	19,811
Grindstones .. ..	9,556	10,372	4,154
Pulpstones .. ..	2,207	2,611	1,387
Oilstones, whetstones, etc. ..	671	723	456
Turkey—			
Emery .. ..	11,348	11,924	(a)
Millstones ( <i>number</i> ) .. ..	5,757	4,065	(a)

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

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

	1936	1937	1938
Silicon carbide (crude) .. ..	21,254	22,896	(a)
Fused alumina .. ..	53,154	77,325	(a)

Artificial abrasives sold, shipped, or used, from plants in United States and Canada during 1936, and produced in 1937 and 1938 were (long tons):—

	1936	1937	1938
Silicon carbide, etc. .. ..	26,198	27,112	22,630
Aluminium oxide .. ..	62,344	77,144	47,518
Metallic abrasives .. ..	22,024	25,028	23,010

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Abrasives, natural and artificial	822	812	543
Grinding wheels of—			
Artificial corundum, etc. ..	251	240	196
Carborundum .. .. .	462	554	488
Emery .. .. .	155	203	224
Other hard abrasives .. ..	152	263	344
Grindstones and whetstones ..	5,427	6,097	5,059
Union of South Africa—			
Corundum .. .. .	4,320	2,229	1,380
Canada—			
Natural abrasives, including			
diatomaceous earth .. ..	431	376	286
Artificial abrasives .. .. .	76,059	100,823	53,670
Artificial abrasive wheels, etc. ..	(£26,028)	(£28,586)	(£16,218)
Grindstones .. .. .	(£339)	(£27)	(£1,104)
Cyprus—			
Pumice .. .. .	312	2	74
Hong Kong (including re-exports)—			
Emery, etc. .. .. .	(£4,024)	(£4,711)	(£5,050)
India—			
Garnet .. .. .	—	1	—
Australia—			
Corundum, emery, etc.			
(£ Australian) .. .. .	(£369)	(£410)	(£813)
New Zealand—			
Pumice .. .. .	3,242	2,931	3,046
FOREIGN COUNTRIES			
Austria—			
Emery, etc. .. .. .	101	72	135
Pumice .. .. .	24	15	7
Millstones .. .. .	435	325	101
Grindstones, natural .. ..	182	140	82
do. artificial .. .. .	165	162	92
Belgium-Luxemburg E.U.—			
Millstones and grindstones, natural	320	333	236
do. do. artificial	238	324	280
Other abrasives .. .. .	45	94	543
Bulgaria—			
Millstones, grindstones, etc. ..	103	68	52

## EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Emery and pumice .. ..	100	90	58
Carborundum .. ..	56	59	89
Grindstones, etc., natural .. ..	98	117	59
do. carborundum .. ..	657	591	521
do. emery, etc. .. ..	1,009	1,051	1,031
Other abrasives .. ..	3	3	3
Finland—			
Grindstones, etc. .. ..	497	467	361
France—			
Corundum and emery .. ..	718	620	552
Millstones and grindstones .. ..	2,360	3,451	2,728
Whetstones .. ..	169	153	122
Artificial abrasives .. ..	4,202	5,151	4,096
Germany—			
Emery .. ..	705	835	502
Carborundum, etc. .. ..	6,015	6,050	4,047
Millstones, grindstones, etc. .. ..	9,562	10,945	6,745
Other abrasives .. ..	7,968	10,215	8,494
Greece—			
Emery .. ..	10,711	13,991	7,089
Pumice .. ..	(a)	23,361	9,154
Hungary—			
Millstones and grindstones .. ..	12	28	22
Italy—			
Emery and corundum .. ..	5	8	61
Pumice .. ..	34,436	43,384	44,687
Whetstones, natural .. ..	254	412	374
Grindstones, natural .. ..	13	51	19
Millstones, natural .. ..	23	72	143
Artificial abrasives .. ..	2	5	6
Netherlands—			
Emery .. ..	2,101	2,815	1,854
Norway—			
Millstones, grindstones, etc. .. ..	650	782	697
Poland—			
Millstones, grindstones, etc. .. ..	46	178	67
Sweden—			
Emery .. ..	7	7	2
Other natural abrasives .. ..	5	2	4
Carborundum, etc. .. ..	673	819	535
Millstones, grindstones, etc. .. ..	1,240	1,406	1,087

(a) Information not available.

## EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Carborundum, emery, etc., crude	—	100	46
do. do. ground	568	831	841
Grindstones .. .. .	—	22	14
U.S.S.R.—			
Abrasives .. .. .	56	31	(b) 6
Yugoslavia—			
Millstones .. .. .	121	111	107
Grindstones, natural .. ..	735	753	616
do. artificial .. .. .	5	21	5
Egypt—			
Emery, pumice, etc. .. ..	1,135	284	24
Madagascar—			
Corundum .. .. .	66	48	10
United States—			
Wheels of emery and corundum ..	142	167	126
Grindstones .. .. .	2,214	2,759	1,629
Other natural abrasives .. ..	4,081	16,576	17,384
Crude artificial abrasives .. ..	12,768	18,812	11,025
Artificial abrasive wheels .. ..	2,284	2,680	1,846
Japan—			
Grindstones, whetstones including artificial .. .. .	(a)	1,009	1,073
Syria and Lebanon—			
Emery, pumice, etc. .. ..	260	312	25
Turkey—			
Emery and carborundum .. ..	13,156	11,820	8,238
Millstones and grindstones .. ..	93	57	48

(a) Information not available.

(b) January to September only.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Emery .. .. .	7,367	8,052	5,457
Artificial corundum .. ..	9,358	12,481	8,244
Carborundum, unground .. ..	419	570	625
do. ground .. ..	4,182	4,017	4,021
Other hard abrasives .. ..	19,873	36,801	24,836
Grinding wheels of—			
Artificial corundum, etc. ..	104	205	212
Carborundum .. ..	193	105	59
Emery .. ..	73	83	50
Other hard abrasives .. ..	111	137	119
Grindstones and whetstones ..	74	140	103
Eire—			
Grindstones, oilstones, etc. ..	175	172	138
Kenya and Uganda—			
Grindstones .. ..	22	6	8
Mauritius—			
Grindstones and wheels .. ..	(£586)	(£397)	(a)
Seychelles—			
Grindstones ( <i>number</i> ) .. ..	140	53	119
Union of South Africa—			
Emery .. ..	11	17	17
Pumice .. ..	403	310	272
Other abrasives .. ..	(£3,818)	(£3,002)	(£3,070)
Emery and other wheels .. ..	(£25,036)	(£37,337)	(£33,061)
Grindstones, millstones, etc. ..	(£2,738)	(£4,560)	(£4,062)
Canada—			
Pumice, etc. .. ..	(£4,278)	(£5,311)	(£5,010)
Emery, ground .. ..	(£8,754)	(£12,152)	(£7,862)
Artificial abrasives, ground .. ..	(£104,696)	(£141,502)	(£84,915)
Garnet ( <i>estimated</i> ) .. ..	125	155	(a)
Buhrstones .. ..	(£115)	(£249)	(£43)
Emery and artificial abrasives manufactures .. ..	(£11,121)	(£12,726)	(£8,593)
Grindstones and wheels .. ..	(£44,617)	(£59,026)	(£42,101)
Newfoundland (years ended June 30)			
Grindstones .. ..	(£913)	(£744)	(£1,126)
British West Indies—			
Jamaica—			
Grindstones and millstones ..	(£275)	(£412)	(£218)
Trinidad and Tobago—			
Grindstones and wheels .. ..	32	35	15
Ceylon—			
Grindstones .. ..	(£1,697)	(£1,991)	(£1,581)

(a) Information not available.

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Cyprus—			
Grindstones and millstones ..	(a)	(£918)	(£200)
Hong Kong (total imports)—			
Emery, etc. .. .. .	(£6,737)	(£9,121)	(£7,511)
Palestine—			
Millstones .. .. .	(£889)	(£898)	(£901)
Australia—			
Corundum, emery, etc. .. ..	(£9,054)	(£22,891)	(£14,985)
Pumice .. .. .	(£8,210)	(£8,411)	(£8,590)
New Zealand—			
Pumice .. .. .	11	22	7
Grindstones, etc. (£ New Zealand)	(£8,338)	(£8,064)	(£7,819)
FOREIGN COUNTRIES			
Austria—			
Emery, etc... .. .	736	766	226
Pumice .. .. .	102	164	152
Millstones .. .. .	273	395	64
Grindstones, natural .. ..	1,177	1,479	412
do. artificial .. ..	236	342	123
Belgium-Luxemburg E.U.—			
Millstones and grindstones, natural	1,202	1,432	975
do. do. artificial	447	558	478
Other abrasives .. .. .	5,980	3,762	3,583
Bulgaria—			
Millstones, grindstones, etc. ..	299	357	256
Czecho-Slovakia—			
Emery .. .. .	765	469	181
Pumice .. .. .	25	28	20
Carborundum .. .. .	1,310	1,632	596
Grindstones, etc.—natural ..	589	790	633
do. carborundum .. ..	14	23	13
do. emery, etc. .. ..	108	179	133
Other abrasives .. .. .	2	3	3
Denmark—			
Emery, etc. .. .. .	260	325	(a)
Pumice .. .. .	263	370	(a)
Millstones and grindstones ..	622	597	469
Estonia—			
Pumice .. .. .	63	242	72
Grindstones—natural .. ..	354	466	289
do. artificial .. ..	26	23	28
Millstones .. .. .	38	24	36
Other abrasives .. .. .	116	139	127

(a) Information not available.

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Emery .. .. .	234	269	273
Pumice .. .. .	99	196	142
Other natural abrasives .. .. .	28	43	42
Carborundum, etc. .. .. .	164	124	229
Millstones, etc. .. .. .	244	313	135
Whetstones, grindstones, etc.—			
Natural .. .. .	710	1,090	959
Artificial .. .. .	1,228	1,274	995
France—			
Corundum and emery .. .. .	2,215	1,958	2,396
Pumice .. .. .	28,211	16,497	13,586
Millstones and grindstones .. .. .	690	887	720
Whetstones .. .. .	647	440	172
Carborundum .. .. .	598	833	717
Other artificial abrasives .. .. .	815	1,360	328
Germany—			
Emery .. .. .	3,289	4,612	3,422
Carborundum, etc. .. .. .	646	572	598
Millstones, grindstones, etc. .. .. .	822	692	534
Other abrasives .. .. .	153	415	289
Hungary—			
Emery .. .. .	118	126	158
Millstones .. .. .	137	143	64
Grindstones .. .. .	1,046	1,185	848
Iceland—			
Millstones, etc. .. .. .	26	36	(a)
Italy—			
Emery and corundum .. .. .	2	1,740	1,042
Pumice .. .. .	5	—	—
Artificial abrasives .. .. .	1,146	1,845	900
Whetstones, natural .. .. .	65	27	84
Grindstones, natural .. .. .	98	228	210
Millstones, natural .. .. .	117	44	31
do. artificial .. .. .	257	181	142
Latvia—			
Emery .. .. .	44	49	43
Pumice .. .. .	26	51	63
Grindstones, etc. .. .. .	414	532	147
Lithuania—			
Millstones and grindstones .. .. .	133	193	224
Netherlands—			
Emery .. .. .	2,574	3,113	1,983

(a) Information not available.



## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Norway—			
Emery grains .. .. .	554	622	466
Millstones, grindstones, etc. ..	1,457	1,434	889
Poland—			
Millstones .. .. .	74	82	148
Other abrasives .. .. .	1,223	2,090	1,846
Portugal—			
Emery, etc. .. .. .	109	124	(a)
Roumania—			
Emery, etc. .. .. .	253	217	217
Millstones .. .. .	181	399	259
Grindstones .. .. .	119	294	200
Sweden—			
Emery .. .. .	926	1,028	881
Other natural abrasives .. .. .	1,999	2,214	2,353
Carborundum, etc. .. .. .	546	470	482
Grindstones, etc. .. .. .	1,810	2,062	1,609
Millstones .. .. .	782	1,123	788
Switzerland—			
Emery, crude .. .. .	404	406	478
Carborundum, emery, etc., ground	435	757	496
Millstones .. .. .	78	100	84
Grindstones .. .. .	601	609	418
Whetstones .. .. .	37	47	41
U.S.S.R.—			
Abrasives .. .. .	1,787	1,177	(b) 1,282
Yugoslavia—			
Millstones .. .. .	52	40	39
Grindstones, natural .. .. .	87	132	146
do. artificial .. .. .	115	110	114
Other abrasives .. .. .	754	2,445	1,064
Algeria—			
Emery, corundum, etc. .. .. .	7	10	4
Pumice .. .. .	222	308	578
Millstones and grindstones ..	165	174	211
Egypt—			
Emery, pumice, etc. .. .. .	45	106	4,001
Millstones .. .. .	109	161	182
Grindstones .. .. .	245	156	196
Whetstones .. .. .	33	21	39

(a) Information not available.

(b) January to November only.

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Morocco (French)—			
Millstones and grindstones ..	43	46	(a)
Tunis—			
Emery and pumice .. ..	196	119	96
Millstones and grindstones ..	27	62	29
Cuba (total imports)—			
Grindstones .. ..	938	1,148	(a)
Mexico—			
Emery and carborundum .. ..	935	1,694	1,448
Millstones and grindstones ..	216	206	146
United States—			
Corundum, crude .. ..	4,277	1,862	1,873
Emery, crude .. ..	5,551	4,783	426
Corundum and emery, ground ..	174	147	29
Pumice, crude .. ..	6,287	7,832	5,306
do., manufactured .. ..	2,621	4,166	(£4,200)
Tripoli, etc. .. ..	466	778	445
Grindstones .. ..	728	860	587
Buhrstones, hones, etc. .. ..	100	87	114
Crude artificial abrasives .. ..	68,983	90,556	45,695
Argentina—			
Emery .. ..	382	534	461
Pumice .. ..	63	83	61
Grindstones .. ..	546	843	449
Oil stones .. ..	12	16	9
Brazil—			
Millstones, grindstones, etc. ..	419	614	427
Other abrasives .. ..	96	98	105
Chile—			
Emery, pumice, etc. .. ..	42	37	(a)
Colombia—			
Emery and pumice .. ..	26	21	24
Millstones and grindstones ..	10	12	16
Peru—			
Emery and pumice .. ..	16	30	19
Grindstones .. ..	10	34	39
Venezuela—			
Emery and pumice .. ..	6	48	(a)
China—			
Corundum .. ..	2	5	7
French Indo-China—			
Emery and corundum, ground ..	143	227	202
Pumice .. ..	1	4	6
Grindstones and millstones ..	50	57	248

(a) Information not available.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Japan (total imports)—			
Abrasives .. .. .	3,989	6,020	2,921
Grindstones, artificial .. ..	38	55	64
Manchuria—			
Abrasives .. .. .	(a)	(a)	2,499
Netherlands East Indies—			
Emery .. .. .	67	104	(a)
Philippine Islands—			
Emery sand or powder .. ..	(a)	(a)	41
Emery wheels and corundum ..	(a)	(a)	(£4,113)
Syria and Lebanon—			
Emery .. .. .	2	9	33
Millstones and grindstones ..	38	108	116
Turkey—			
Emery and carborundum, crude	7	19	13
Millstones and grindstones ..	120	188	129
Whetstones, pumice, etc. . .	41	34	50

(a) Information not available.

**ALUMINIUM**  
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE  
(Long tons)

Producing Country	1936	1937	1938
<b>BRITISH EMPIRE</b>			
British Guiana—(c)			
60% or more alumina ..	157,945	288,701	447,370
50-60% alumina ..	11,525	7,817	—
30-50% alumina (b) ..	39,851	64,413	115,646
Unfederated Malay States ..	36	19,000	55,081
India .. .. .	3,644	15,150	14,768
Australia .. .. .	740	7,766	1,320
Total .. .. .	214,000	403,000	634,000
<b>FOREIGN COUNTRIES</b>			
Austria ( <i>estimated</i> ) .. ..	3,000	3,000	5,000
Czecho-Slovakia .. .. .	—	833	(a)
France .. .. .	639,250	677,300	671,662
Germany .. .. .	12,229	18,000	19,100
Greece .. .. .	127,846	135,242	(a)
Hungary .. .. .	323,893	524,243	532,177
Italy .. .. .	258,104	380,391	355,138
Roumania .. .. .	10,658	10,531	11,620
U.S.S.R. ( <i>estimated</i> ) .. ..	200,000	250,000	250,000
Yugoslavia .. .. .	287,560	352,167	398,180
Mozambique .. .. .	29	(a)	(a)
United States .. .. .	372,005	420,232	311,354
Brazil (exports) .. .. .	6,889	8,631	12,724
Dutch Guiana .. .. .	231,136	386,249	371,633
French Indo-China .. .. .	30	7,000	160
Netherland East Indies ..	131,619	195,828	241,479
Total .. .. .	2,600,000	3,370,000	3,320,000
<b>WORLD'S TOTAL .. .. .</b>	<b>2,820,000</b>	<b>3,770,000</b>	<b>3,950,000</b>

(a) Information not available.

(b) Ore remains at the mines.

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

	1936	1937	1938
Metallurgical .. .. .	116,645	241,932	321,912
Chemical .. .. .	44,430	48,950	46,275
Refractory .. .. .	6,021	7,295	1,814
Abrasive .. .. .	—	—	2,596

## PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1936 .. .. .	17,135
1937 .. .. .	50,822
1938 .. .. .	49,463

## ESTIMATED PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	16,000	19,000	23,000
Canada .. .. .	25,800	41,000	65,000
Total ..	41,800	60,000	88,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	3,200	4,300	4,000
France .. .. .	29,251	33,932	44,600
Germany (c) .. .. .	95,648	125,208	159,000
Hungary .. .. .	900	1,000	1,500
Italy (c) .. .. .	15,623	22,585	25,360
Norway (c) .. .. .	15,162	23,043	26,000
Spain .. .. .	600	—	600
Sweden (c) .. .. .	1,790	2,248	2,380
Switzerland .. .. .	15,600	23,500	28,000
U.S.S.R. .. .. .	29,500	45,000	50,000
Yugoslavia .. .. .	—	200	(c)1,191
United States (c) (b) .. .. .	100,415	130,661	128,072
Japan .. .. .	4,000	10,500	20,000
Total ..	312,000	422,000	491,000
WORLD'S TOTAL .. .. .	354,000	482,000	579,000

(b) Secondary metal was recovered as follows :—

1936 .. .. .	46,000 long tons
1937 .. .. .	55,860 " "
1938 .. .. .	34,640 " "

(c) Official figures.

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

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Alumina .. .. .	17,695	15,835	9,871
Ingots, etc., including alloyed ..	2,016	3,619	1,508
Sheets, tubes, etc., including alloyed .. .. .	2,930	4,506	2,923
Foil and alloyed .. .. .	529	763	981
Scrap, including alloyed .. .. .	(a)	3,441	4,210
Aluminium sulphates .. .. .	17,425	19,613	18,202
Canada—			
Blocks, bars, scrap, etc. .. ..	26,632	44,519	58,688
British Guiana—			
Bauxite .. .. .	170,153	300,707	376,368
British India—			
Bauxite .. .. .	8,600	27,252	3,318
British Malaya (including re-exports)—			
Bauxite .. .. .	36	12,628	55,752
Aluminium sulphates .. .. .	1,188	3,150	1,442
Hong Kong (including re-exports)—			
Aluminium sulphates .. .. .	406	1,542	1,031
<b>FOREIGN COUNTRIES</b>			
Austria—			
Cryolite .. .. .	8	15	6
Crude, scrap and alloys .. .. .	2,720	3,133	779
Sheets, rods, wire, etc. .. .. .	7	26	25
Foil .. .. .	94	130	70
Aluminium sulphates .. .. .	3	22	6
Belgium-Luxemburg E.U.—			
Bauxite, etc. .. .. .	—	57	1
Aluminium hydrates .. .. .	21	16	64
Crude and scrap .. .. .	625	2,011	2,068
Sheets, wire, etc. .. .. .	459	1,038	899
Aluminium sulphates .. .. .	25,884	29,290	23,108
Czecho-Slovakia—			
Crude and scrap .. .. .	422	929	463
Bars, sheets, rods and wire .. ..	157	311	212
Aluminium sulphates .. .. .	290	270	339
Denmark—			
Refined cryolite .. .. .	13,116	20,912	26,773

(a) Information not available.

## EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite .. .. .	299,266	296,893	287,604
Alumina .. .. .	24,232	26,730	21,431
Aluminium hydrates .. .. .	7,544	8,607	7,749
Cryolite, artificial .. .. .	331	632	543
Ingots and scrap .. .. .	1,447	6,868	13,810
Sheets, wire, etc. .. .. .	1,103	2,508	1,877
Aluminium sulphates .. .. .	2,500	2,949	2,323
Germany—			
Bauxite and cryolite .. .. .	31	—	—
Crude, scrap and alloys .. .. .	240	1,313	2,787
Sheets, wire, castings, etc. .. .. .	7,820	7,519	7,381
Foil .. .. .	3,863	4,656	5,558
Aluminium sulphates, etc., including refined bauxite .. .. .	42,207	60,123	46,896
Greece—			
Bauxite .. .. .	84,657	120,349	137,046
Hungary—			
Bauxite .. .. .	336,254	472,145	355,948
Alumina and aluminium hydrates .. .. .	2,581	3,093	2,648
Crude, scrap and alloys .. .. .	16	29	53
Bars, sheets and wire .. .. .	49	43	47
Aluminium sulphates .. .. .	—	27	—
Italy—			
Bauxite .. .. .	163,309	128,325	74,195
Alumina .. .. .	—	18,068	38,991
Crude, scrap and alloyed .. .. .	70	4	511
Sheets, tubes, etc. and alloyed .. .. .	5	44	18
Aluminium sulphates .. .. .	76	342	447
Netherlands—			
Crude, scrap and alloys .. .. .	763	925	556
Foil .. .. .	30	139	188
Norway—			
Alumina .. .. .	3,969	1,349	1,408
Ingots and scrap .. .. .	15,244	21,515	28,310
Bars, sheets, tubes and wire .. .. .	730	1,840	311
Poland—			
Crude and sheets .. .. .	39	32	19
Sweden—			
Crude, sheets and strips .. .. .	127	54	113
Aluminium sulphates .. .. .	21,615	20,510	11,650

## EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Blocks, ingots, etc., and scrap ..	13,218	13,358	21,470
do. (alloys) .. ..	2,647	4,352	3,457
Bars, sheets, tubes and wire ..	2,625	3,263	1,842
do. (alloys) .. ..	851	1,622	1,904
U.S.S.R.—			
Aluminium sulphates .. ..	153	(a)	(a)
Yugoslavia—			
Bauxite .. ..	249,088	382,254	373,744
Crude .. ..	—	208	1,191
Aluminium hydrates .. ..	3,878	4,281	3,387
Algeria—			
Ingots and scrap .. ..	214	318	276
Morocco (French)—			
Scrap .. ..	104	246	(a)
Greenland—			
Cryolite .. ..	17,135	50,822	49,463
United States—			
Bauxite, etc. .. ..	84,471	123,191	57,726
Ingots, scrap and alloys .. ..	426	2,107	4,317
Plates, sheets, etc. .. ..	291	297	1,638
Foil .. ..	—	189	65
Aluminium sulphates .. ..	25,703	28,399	24,746
Brazil—			
Bauxite .. ..	6,889	8,631	12,724
Dutch Guiana—			
Bauxite .. ..	230,215	386,133	(a)
China—			
Aluminium sulphates .. ..	1,097	7,401	2,336
French Indo-China—			
Bauxite .. ..	10	207	(a)
Aluminium .. ..	4	5	—
Japan—			
Crude .. ..	(a)	192	182
Plates and sheets .. ..	858	1,132	389
Aluminium sulphates .. ..	5,257	6,696	4,977
Netherlands East Indies—			
Bauxite .. ..	112,283	200,000	(a)

(a) Information not available.



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

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
Bauxite .. .. .	231,444	219,432	249,072
Cryolite .. .. .	2,650	2,425	5,290
Alumina .. .. .	7	18	32
Ingots, etc., including alloyed ..	21,719	31,232	41,031
Sheets, tubes, etc., including alloyed .. .. .	5,384	3,080	} 5,518
Foil and alloyed .. .. .	1,074	1,507	
Aluminium sulphates .. .. .	6,614	7,005	6,371
Scrap, including alloyed .. .. .	(a)	5,100	5,078
<b>Eire—</b>			
Ingots, sheets and foil .. .. .	144	215	177
<b>Kenya and Uganda—</b>			
Sheets and wire .. .. .	180	31	17
<b>Southern Rhodesia—</b>			
Ingots, bars and sheets .. .. .	1	3	3
Aluminium sulphates .. .. .	3	3	4
<b>Tanganyika Territory—</b>			
Sheets, strips and wire .. .. .	29	8	6
<b>Union of South Africa—</b>			
Ingots, bars, sheets, wire and foil	330	381	481
Aluminium sulphates .. .. .	(a)	(a)	3,435
<b>Canada—</b>			
Bauxite .. .. .	153,051	271,360	328,803
Cryolite .. .. .	2,655	6,167	5,714
Alumina .. .. .	69	112	65
Ingots, rods, sheets, scrap, etc. ..	1,227	1,790	1,584
Leaf and foil .. .. .	(£19,299)	(£29,458)	(£23,304)
Aluminium sulphates .. .. .	31,659	34,152	27,046
<b>Newfoundland (years ended June 30)—</b>			
Ingots, etc... .. .	(£553)	(£1,067)	(£1,057)
<b>Aden—</b>			
Aluminium sulphates .. .. .	(a)	18	—
<b>British India—</b>			
Ingots, blocks, bars, etc. .. .. .	5	4	3
Sheets and circles .. .. .	2,479	2,644	2,200
Aluminium sulphates .. .. .	1,617	2,768	2,166
<b>British Malaya (total imports)—</b>			
Aluminium sulphates .. .. .	2,044	5,815	1,709
<b>Burma—</b>			
Sheets and circles .. .. .	(b)	(b)232	371
Aluminium sulphates .. .. .	(b)	(b)100	83

(a) Information not available.

(b) Included with India prior to April 1, 1937.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Ceylon—			
Foil .. .. .	240	334	347
Cyprus—			
Aluminium sulphates .. ..	3	7	2
Hong Kong (total imports)—			
Aluminium sulphates .. ..	496	2,250	845
Palestine—			
Sheets .. .. .	313	188	102
Foil .. .. .	21	16	15
Australia—			
Cryolite .. .. .	114	120	174
Pigs, ingots, blocks and scrap ..	591	400	273
Sheets, wire, rods, etc. .. ..	1,443	1,257	1,039
Aluminium sulphates .. ..	265	397	68
New Zealand—			
Bars, sheets, tubes, wire, etc. ..	48	76	58
FOREIGN COUNTRIES			
Austria—			
Bauxite .. .. .	823	584	1,107
Cryolite .. .. .	360	266	510
do. artificial.. .. .	69	134	—
Alumina .. .. .	6,747	7,372	11,065
Aluminium hydrates .. .. .	603	1,010	410
Crude, scrap and alloys .. .. .	31	22	25
Sheets, rods, wire, etc. .. ..	431	545	80
Foil .. .. .	42	57	5
Aluminium sulphates .. .. .	4	5	—
Belgium-Luxemburg E.U.—			
Bauxite, etc. .. .. .	809	1,053	501
Alumina .. .. .	333	421	1,103
Aluminium hydrates .. .. .	10,076	10,961	6,997
Crude and scrap .. .. .	2,722	5,346	4,551
Sheets, wire, etc. .. .. .	697	853	547
Aluminium sulphates .. .. .	1,897	2,273	1,503
Bulgaria—			
Crude, bars and sheets .. .. .	152	92	120
Aluminium sulphates .. .. .	604	753	546
Czecho-Slovakia—			
Cryolite .. .. .	286	577	334
Crude and scrap .. .. .	4,003	5,642	3,625
Bars, sheets, rods and wire .. ..	80	234	107
Foil .. .. .	100	114	16
Aluminium sulphates .. .. .	45	25	38

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Crude cryolite .. .. .	5,276	33,427	29,985
Crude and scrap .. .. .	783	928	1,222
Bars, sheets and plates .. .. .	273	218	197
Leaf .. .. .	353	308	283
Aluminium sulphates .. .. .	1,557	1,718	(a)
Estonia—			
Crude, sheets, etc. .. .. .	125	166	130
Aluminium sulphates .. .. .	962	869	567
Finland (total imports)—			
Crude and scrap .. .. .	41	59	61
Bars and sheets .. .. .	302	352	316
Aluminium sulphates .. .. .	7,859	10,044	8,869
France—			
Bauxite .. .. .	—	21	2,751
Alumina .. .. .	13	13	9
Aluminium hydrates .. .. .	10	14	12
Cryolite, artificial .. .. .	6	1	—
Ingots and scrap .. .. .	1,194	244	100
Sheets, wire, etc. .. .. .	734	731	514
Aluminium sulphates .. .. .	631	295	264
Germany—			
Bauxite and cryolite .. .. .	965,665	1,292,413	1,165,938
Crude, scrap and alloys .. .. .	6,070	7,037	18,476
Sheets, wire, castings, etc. .. .. .	64	117	58
Aluminium sulphates, etc., including refined bauxite .. .. .	59	131	72
Greece—			
Aluminium .. .. .	223	245	197
Foil .. .. .	(a)	97	105
Aluminium sulphates .. .. .	854	299	72
Hungary—			
Alumina and aluminium hydrates	262	937	384
Crude, scrap and alloys .. .. .	179	358	1,087
Bars, sheets and wire .. .. .	16	17	260
Aluminium sulphates .. .. .	101	83	101
Iceland—			
Aluminium sulphates .. .. .	2	2	(a)
Italy—			
Bauxite .. .. .	—	461	351
Alumina .. .. .	7,388	1,405	3
Cryolite, artificial .. .. .	274	246	89
Aluminium hydrates .. .. .	308	7	7
Crude, scrap and alloys .. .. .	391	3,481	502
Sheets, tubes, powder and alloys .. .. .	424	65	57
Aluminium sulphates .. .. .	440	429	637

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Bauxite .. .. .	—	5	—
Ingots, sheets, scrap, etc. ..	150	227	272
Aluminium sulphates .. ..	1,126	1,358	694
Lithuania—			
Aluminium .. .. .	93	154	177
Netherlands—			
Crude, scrap and alloys .. ..	1,560	2,696	2,373
Foil .. .. .	656	867	858
Aluminium sulphates .. ..	6,410	7,887	7,187
Norway—			
Bauxite .. .. .	23,666	39,835	25,532
Cryolite .. .. .	706	3,066	1,999
Alumina .. .. .	22,657	37,415	43,046
Crude aluminium .. .. .	(b) 530	56	11
Bars, sheets, etc. .. .. .	120	248	142
Aluminium sulphates .. ..	4,354	5,504	3,681
Poland—			
Bauxite .. .. .	3,512	4,212	2,114
Cryolite .. .. .	113	122	105
Crude and scrap .. .. .	1,021	1,214	2,465
Sheets and wire .. .. .	177	259	357
Aluminium sulphates .. ..	32	83	65
Portugal—			
Aluminium and alloys .. ..	180	207	145
Aluminium sulphates .. ..	506	794	(a)
Roumania—			
Crude .. .. .	90	177	239
Sheets and wire .. .. .	145	400	146
Aluminium sulphates .. ..	303	158	(a)
Sweden—			
Crude .. .. .	666	2,859	4,629
Sheets and strips .. .. .	517	647	493
Aluminium sulphates .. ..	592	776	662
Switzerland—			
Alumina, etc. .. .. .	24,945	59,056	52,271
Blocks, ingots, etc., and scrap ..	3,376	2,913	3,771
do. (alloyed) .. .. .	3	103	45
Bars, sheets, tubes and wire ..	5	6	3
do. (alloyed) .. .. .	8	27	28
Aluminium sulphates .. ..	220	207	166
U.S.S.R.—			
Alumina .. .. .	744	(a)	(a)
Crude .. .. .	17	} 2,507	(c) 6,273
Sheets, etc... .. .	84		

(a) Information not available.

(b) Excess of re-exports.

(c) January to September only.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Bauxite .. .. .	—	10	—
Aluminium hydrates .. .. .	5	8	48
Crude and scrap .. .. .	29	73	42
Sheets, pipes and wire .. .. .	126	228	272
Aluminium sulphates .. .. .	24	190	161
Algeria—			
Bauxite .. .. .	—	49	201
Ingots, sheets, wire, etc. .. .. .	18	35	65
Aluminium sulphates .. .. .	198	352	183
Belgian Congo—			
Aluminium sulphates .. .. .	(a)	22	218
Egypt—			
Bars, sheets, tubes and wire .. .. .	47	51	42
Foil .. .. .	37	53	52
Aluminium sulphates .. .. .	664	403	409
Madagascar—			
Aluminium sulphates .. .. .	36	54	54
Morocco (French)—			
Bars, sheets and wire .. .. .	22	36	(a)
Aluminium sulphates .. .. .	176	200	(a)
Tunis—			
Aluminium sulphates .. .. .	105	101	119
Guatemala—			
Aluminium sulphates .. .. .	226	132	266
Mexico—			
Ingots, bars and sheets .. .. .	269	340	217
United States—			
Bauxite .. .. .	322,790	507,423	455,693
Refined bauxite .. .. .	117	182	64
Cryolite .. .. .	12,616	16,690	12,115
Crude, scrap, etc. .. .. .	11,231	19,956	7,818
Sheets, bars, etc. .. .. .	180	213	102
Foil .. .. .	839	1,216	818
Aluminium sulphates .. .. .	1,837	2,548	1,662
Argentina—			
Ingots, sheets and wire .. .. .	753	960	965
Aluminium sulphates .. .. .	11,173	14,676	4,702
Brazil (total imports)—			
Bars, sheets and wire .. .. .	1,172	1,544	1,433
Aluminium sulphates .. .. .	3,753	4,205	4,105

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Chile—			
Bars and sheets .. .. .	61	110	(a)
Aluminium sulphates .. ..	17	26	(a)
Colombia—			
Ingots, bars, sheets, etc. .. ..	230	239	323
Aluminium sulphates .. .. .	114	628	1,248
Peru—			
Aluminium sulphates .. .. .	359	531	642
Uruguay—			
Ingots, sheets, etc. .. .. .	255	234	175
Aluminium sulphates .. .. .	607	773	713
Venezuela—			
Crude .. .. .	—	2	(a)
Aluminium sulphates .. .. .	14	77	(a)
China—			
Crude .. .. .	1,228	1,370	1,274
Sheets and wire .. .. .	498	377	137
Formosa—			
Aluminium sulphates .. .. .	98	96	(a)
French Indo-China—			
Ingots and scrap .. .. .	21	7	2
Sheets .. .. .	122	152	63
Aluminium sulphates .. .. .	878	1,052	1,031
Iran (b)—			
Ingots, sheets, scrap, etc. .. ..	2	56	8
Iraq—			
Bars, sheets, wire, etc. .. .. .	63	79	64
Aluminium sulphates .. .. .	198	473	275
Japan (total imports)—			
Cryolite .. .. .	966	1,126	1,228
Ingots, blocks, etc. .. .. .	8,869	(a)	(a)
Manchuria—			
Foil .. .. .	330	484	(a)
Aluminium sulphates .. .. .	(a)	(a)	838
Netherlands East Indies—			
Ingots, sheets, wire and alloys .. ..	605	1,095	(a)
Aluminium sulphates .. .. .	3,125	7,847	(a)
Syria and Lebanon—			
Aluminium sulphates .. .. .	73	98	89
Turkey—			
Bars, sheets, wire and alloys .. ..	51	74	119
Aluminium sulphates .. .. .	333	502	691

(a) Information not available.

(b) Total imports for years ended June 21.

## ANTIMONY

### PRODUCTION OF ANTIMONY ORE

(In terms of metal)

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Southern Rhodesia .. ..	84	78	77
Union of South Africa .. ..	17	—	12
Canada .. ..	—	—	11
Burma ( <i>estimated</i> ) .. ..	100	30	90
India .. ..	—	(c)	13
Sarawak .. ..	30	5	—
Australia .. ..	150	567	(a)
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	123	248	(a)
Czecho-Slovakia .. ..	1,020	1,226	(a)
Greece .. ..	196	—	(a)
Italy .. ..	485	600	910
Portugal .. ..	23	61	161
Yugoslavia .. ..	1,600	1,780	3,370
Algeria .. ..	1,375	958	1,010
Morocco (French) .. ..	35	26	155
do. (Spanish) .. ..	15	206	80
Mexico .. ..	7,188	10,471	7,907
United States (b) .. ..	674	1,130	580
Argentina .. ..	—	10	(a)
Bolivia (exports) .. ..	6,421	7,014	9,287
Honduras .. ..	1	(a)	(a)
Peru .. ..	1,224	1,396	662
China .. ..	17,000	15,000	8,000
French Indo-China .. ..	46	6	102
Japan ( <i>estimated</i> ) .. ..	150	(a)	(a)
Korea .. ..	17	10	(a)
Turkey .. ..	562	659	490

(a) Information not available.

(b) Secondary metal was recovered as follows:—

1936 .. ..	8,800 long tons.
1937 .. ..	11,018 " "
1938 .. ..	7,590 " "

(c) Included with 1938.

## EXPORTS OF ANTIMONY, ETC.

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

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Regulus, etc. .. .. .	169	190	212
Southern Rhodesia—			
Antimony .. .. .	129	142	102
Burma—			
Ore .. .. .	(a)	(a)	(c)226
Sarawak—			
Ore .. .. .	60	9	—
Hong Kong (including re-exports)—			
Ore .. .. .	1,045	2,813	537
Crude and regulus .. .. .	32	1,000	2,946
India—			
Antimony ore .. .. .	—	1	1
Australia—			
Ore ( <i>Sb. content</i> ) (b) .. .. .	95	—	610
Lead residues ( <i>Sb. content</i> ) (b) .. .. .	2	—	87
Regulus and alloys ( <i>£ Australian</i> )	(£2,772)	(£3,153)	(£3,200)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Ore .. .. .	119	248	51
Regulus .. .. .	—	8	—
Belgium-Luxemburg E.U.—			
Ore .. .. .	184	196	43
Regulus .. .. .	1,687	2,065	2,689
Czecho-Slovakia—			
Regulus .. .. .	1,072	1,148	1,070
France—			
Crude and regulus .. .. .	210	643	1,091
Oxide, sulphide, etc. .. .. .	307	295	116
Germany—			
Ore, including arsenical ores .. .. .	39	34	14
Regulus and scrap .. .. .	11	8	3
Oxide, etc. .. .. .	749	785	457
Netherlands—			
Regulus and scrap .. .. .	24	3	6
Portugal—			
Ore .. .. .	37	132	(a)
Sweden—			
Ore .. .. .	140	157	148

(a) Information not available.

(b) Years ended June 30.

(c) April-December only.



## EXPORTS OF ANTIMONY, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Ore .. .. .	60	10	21
Regulus .. .. .	484	426	761
Algeria—			
Ore .. .. .	445	2,264	—
Morocco (French)—			
Ore .. .. .	193	108	(a)
Morocco (Spanish)—			
Ore .. .. .	29	394	163
Mexico—			
Ore ( <i>Sb content</i> ) .. .. .	6,577	9,748	6,367
Regulus .. .. .	354	246	210
Bolivia—			
Ore ( <i>Sb content</i> ) .. .. .	6,421	7,014	9,287
Peru—			
Ore and metal ( <i>Sb content</i> ) ..	1,224	1,464	662
China—			
Crude .. .. .	2,662	2,221	535
Regulus .. .. .	12,960	12,322	7,069
Oxide .. .. .	1,416	602	253
French Indo-China—			
Ore .. .. .	1,053	948	462
Japan—			
Regulus .. .. .	80	53	12
Turkey—			
Ore .. .. .	1,001	1,377	1,130
Regulus .. .. .	75	—	—

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude .. ..	6,781	13,164	10,469
Regulus, etc. .. ..	3,646	2,357	438
Southern Rhodesia—			
Crude and Regulus .. ..	5	3	4
Union of South Africa—			
Crude and regulus .. ..	81	72	74
Canada—			
Regulus .. ..	571	525	383
Hong Kong (including re-exports)—			
Ore .. ..	1,176	3,192	623
Crude and regulus .. ..	24	735	559
Australia—			
Ore .. ..	166	40	16
Crude and regulus .. ..	84	38	36
Sulphide .. ..	21	15	50
New Zealand—			
Antimony .. ..	21	18	30
FOREIGN COUNTRIES			
Austria—			
Ore .. ..	20	10	12
Regulus .. ..	93	137	197
Belgium-Luxemburg E.U.—			
Ore .. ..	6,695	4,702	4,702
Regulus .. ..	318	669	222
Czecho-Slovakia—			
Regulus .. ..	16	6	7
Denmark—			
Regulus and scrap .. ..	132	189	(a)
Estonia—			
Crude and regulus .. ..	8	4	9
Finland (total imports)—			
Antimony .. ..	6	25	14
France—			
Ore .. ..	3,098	3,586	2,957
Crude and regulus .. ..	697	308	395
Oxide and sulphide .. ..	86	81	261

(a) Information not available.

## IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore and matte .. .. .	851	896	769
Regulus and scrap .. .. .	2,072	2,630	3,585
Oxide, etc. . . . .	1,314	1,407	993
Italy—			
Regulus .. .. .	769	667	619
Oxide .. .. .	17	52	107
Latvia—			
Regulus .. .. .	10	9	(a)
Sulphide .. .. .	3	3	4
Lithuania—			
Antimony .. .. .	2	4	2
Netherlands—			
Regulus and scrap .. .. .	97	139	221
Norway—			
Regulus .. .. .	36	19	62
Poland—			
Regulus .. .. .	438	250	420
Oxide and sulphide .. .. .	115	206	153
Portugal—			
Crude and alloys .. .. .	8	15	(a)
Sulphide .. .. .	20	13	(a)
Roumania—			
Regulus .. .. .	44	45	(a)
Oxide and sulphide .. .. .	7	11	(a)
Sweden—			
Crude .. .. .	126	235	222
Switzerland—			
Regulus .. .. .	132	145	201
U.S.S.R.—			
Regulus .. .. .	2,337	(a)	(a)
Yugoslavia—			
Regulus .. .. .	1	—	—
Algeria—			
Regulus .. .. .	11	19	8
Morocco (French)—			
Regulus .. .. .	4	1	(a)
Tunis—			
Regulus and sulphide .. .. .	6	7	24
United States—			
Ore ( <i>Sb content</i> ) .. .. .	9,415	12,338	7,430
Regulus and crude .. .. .	1,753	1,231	179
Oxide and sulphide .. .. .	1,084	1,011	374

(a) Information not available.

## IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Regulus and crude .. ..	143	70	90
Chile—			
Regulus .. .. .	17	383	6
Sulphide .. .. .	5	12	(a)
Peru—			
Regulus .. .. .	5	7	4
Uruguay—			
Regulus .. .. .	10	5	10
China—			
Regulus .. .. .	2	—	205
Sulphide .. .. .	21	21	13
French Indo-China—			
Ore .. .. .	827	670	88
Regulus .. .. .	3	4	4
Sulphide .. .. .	3	11	8
Japan (total imports)—			
Antimony and sulphide .. ..	3,547	(a)	(a)
Netherlands East Indies—			
Antimony .. .. .	21	25	(a)
Philippine Islands—			
Regulus, etc. .. .. .	12	15	18
Turkey—			
Regulus .. .. .	38	7	41

(a) Information not available.

## ARSENIC

### PRODUCTION OF ARSENIC (Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
White arsenic and arsenic soot ..	153	95	65
Southern Rhodesia—			
White arsenic .. ..	—	—	19
Canada (sales)—			
White arsenic .. ..	610	620	971
Australia—			
White arsenic .. ..	3,691	3,387	3,999
FOREIGN COUNTRIES			
Belgium (exports)—			
White arsenic .. ..	2,688	2,991	2,664
Czecho-Slovakia—			
Antimony ore ( <i>As content</i> ) ..	53	30	(a)
France—			
Ore ( <i>As content</i> ) .. ..	9,490	3,909	(a)
White arsenic ( <i>As content</i> ) ..	7,104	(a)	(a)
Germany—			
Ore ( <i>As content</i> ) .. ..	1,843	(a)	(a)
Greece—			
White arsenic .. ..	84	230	(a)
Pyrites ( <i>As content</i> ) .. ..	770	750	(a)
Italy—			
Ore .. ..	148	15,826	17,976
White arsenic .. ..	—	—	797
Portugal—			
Pyrites ( <i>As content</i> ) .. ..	74	—	—
White arsenic .. ..	148	21	1
Roumania—			
Pyrites ( <i>As content</i> ) .. ..	30	32	33
Sweden—			
Ore ( <i>As content</i> ) .. ..	22,944	20,623	21,141
White arsenic .. ..	8,510	(a)	(a)
Mexico—			
White arsenic .. ..	8,392	10,592	8,754

(a) Information not available.

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>cont.</i> )			
United States—			
White arsenic .. .. .	13,731	15,013	14,897
Brazil—			
White arsenic .. .. .	720	705	512
Japan—			
White arsenic .. .. .	2,587	(a)	(a)
Korea—			
White arsenic .. .. .	226	(a)	(a)
Turkey—			
Ore .. .. .	16	27	25

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

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
White arsenic .. .. .	17	71	34
Other compounds of arsenic ..	237	345	129
Southern Rhodesia—			
White arsenic .. .. .	—	9	12
Canada—			
White arsenic, etc. .. .. .	307	328	615
Hong Kong (including re-exports)—			
Arsenic .. .. .	11	5	25
Australia (years ended June 30)—			
Ore, etc. ( <i>As content</i> ) .. .. .	11	13	—
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore .. .. .	16	—	—
Sulphide .. .. .	49	35	19
Metallic arsenic .. .. .	14	27	1
White arsenic .. .. .	2,688	2,991	2,664
Czecho-Slovakia—			
White arsenic .. .. .	—	1	—
France—			
White arsenic .. .. .	2,818	4,181	2,866
Arsenate of lead .. .. .	433	356	303
Arsenate of soda .. .. .	189	277	250
Germany—			
Ore, including antimony ore ..	39	34	14
White arsenic, etc. .. .. .	2,695	2,807	2,800
Greece—			
White arsenic .. .. .	14	17	(a)
Italy—			
White arsenic .. .. .	5	1	14
U.S.S.R.—			
Arsenate of lime .. .. .	35	(a)	(a)

(a) Information not available.

## EXPORTS OF ARSENIC, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Mexico—			
White arsenic ( <i>As content</i> ) ..	8,270	13,199	8,714
United States—			
White arsenic (estimated) ..	1,000	2,000	2,050
Arsenate of lead .. .. .	369	466	456
Arsenate of lime .. .. .	2,810	2,403	2,341
Peru—			
Bars of lead, etc. ( <i>As content</i> ) ..	5	4	—
China—			
Ore .. .. .	81	104	41
Arsenic .. .. .	60	30	68
Japan—			
White arsenic .. .. .	1,166	1,083	775
Arsenate of lead .. .. .	1,067	1,389	344
Arsenate of lime .. .. .	(a)	1,413	218
Turkey—			
Ore .. .. .	21	14	20

(a) Information not available.



## IMPORTS OF ARSENIC, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
White arsenic .. .. .	5,278	4,329	3,833
Other compounds .. .. .	137	135	127
Union of South Africa—			
Arsenate of soda .. .. .	405	636	255
Canada—			
Sulphide .. .. .	8	11	3
White arsenic .. .. .	—	3	90
Arsenate of lead .. .. .	100	106	222
Other arsenates .. .. .	123	32	17
British India—			
Arsenic and its oxides .. .. .	164	290	235
Orpiment (b) .. .. .	157	149	(a)
Hong Kong (total imports)—			
Arsenic .. .. .	14	7	33
Australia—			
White arsenic .. .. .	81	331	537
Other compounds .. .. .	1,095	405	337
New Zealand—			
White arsenic, etc. .. .. .	58	37	46
FOREIGN COUNTRIES			
Austria—			
Sulphide .. .. .	4	6	—
Belgium-Luxemburg E.U.—			
Ore .. .. .	1,922	1,789	1,123
Sulphide .. .. .	—	—	4
Metallic arsenic .. .. .	41	78	121
White arsenic .. .. .	113	60	1
Bulgaria—			
White arsenic .. .. .	1	3	2
Czecho-Slovakia—			
Sulphide .. .. .	99	59	54
Metallic arsenic .. .. .	11	13	3
White arsenic .. .. .	99	168	68

(a) Information not available.

(b) Includes trade by land as recorded.

## IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—			
Ore .. .. .	25	—	—
Sulphide .. .. .	68	44	22
Metallic arsenic .. .. .	25	21	18
White arsenic .. .. .	74	30	22
Arsenate of lead .. .. .	2	2	2
Germany—			
Ore .. .. .	113	—	—
White arsenic, etc. .. .. .	334	549	607
Italy—			
Metallic arsenic .. .. .	4	4	3
White arsenic .. .. .	1,152	956	206
Latvia—			
White arsenic .. .. .	8	10	12
Poland—			
Metallic arsenic .. .. .	1	2	6
White arsenic .. .. .	31	54	62
Sulphides .. .. .	9	15	24
Portugal—			
White arsenic .. .. .	10	16	(a)
Arsenate of soda .. .. .	2	2	(a)
Roumania—			
White arsenic .. .. .	15	30	(a)
U.S.S.R.—			
Arsenate of lime .. .. .	643	(a)	(a)
Yugoslavia—			
Metallic and white arsenic .. .. .	19	12	9
Sulphide .. .. .	5	3	3
Algeria—			
White arsenic .. .. .	—	2	—
Sulphide .. .. .	4	16	2
Arsenates .. .. .	513	914	357
Belgian Congo—			
White arsenic .. .. .	—	—	14
Madagascar—			
Arsenates .. .. .	11	18	12
Mozambique—			
Arsenate of soda .. .. .	16	2	(a)
Tunis—			
Sulphide .. .. .	10	—	8
Arsenates .. .. .	1	1	1

(a) Information not available.

## IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—			
Metallic arsenic .. .. .	36	67	8
White arsenic .. .. .	15,702	17,193	12,712
Sulphide .. .. .	159	224	108
Arsenates of lime and soda ..	367	361	184
Argentina—			
Sulphide .. .. .	27	27	16
White arsenic .. .. .	884	1,013	993
Compounds.. .. .	—	1	1
Brazil—			
White arsenic .. .. .	551	1,514	379
Chile—			
White arsenic .. .. .	8	16	(a)
Arsenate of lead .. .. .	72	72	(a)
Other arsenic compounds.. ..	1	9	(a)
Colombia—			
White arsenic, etc... .. .	29	21	27
Uruguay—			
White arsenic .. .. .	678	613	436
French Indo-China—			
Arsenic compounds .. .. .	10	4	7
Netherlands East Indies—			
Arsenate of lead .. .. .	455	645	(a)
Turkey—			
Arsenic compounds .. .. .	19	23	28

(a) Information not available.

## ASBESTOS

PRODUCTION OF ASBESTOS  
(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Southern Rhodesia .. .. .	50,309	50,905	52,509
Uganda .. .. .	—	—	52
Union of South Africa—			
Amosite .. .. .	5,323	5,808	7,850
Blue .. .. .	2,955	4,686	7,841
Chrysotile .. .. .	13,469	15,049	4,977
Anthophyllite .. .. .	65	22	—
Canada—			
Chrysotile (b) .. .. .	271,777	369,648	261,746
<i>Crude</i> .. .. .	3,071	3,434	2,598
<i>Fibre</i> .. .. .	119,007	178,792	145,698
<i>Shorts</i> .. .. .	146,928	183,869	110,522
<i>Sand and gravel (waste rock only)</i>	2,771	3,553	2,928
Cyprus .. .. .	9,202	11,173	9,082
India .. .. .	57	100	89
Australia .. .. .	239	298	173
Total .. .. .	353,000	458,000	344,000
FOREIGN COUNTRIES			
Czecho-Slovakia .. .. .	2,700	(a)	(a)
Finland .. .. .	7,000	7,500	(a)
France .. .. .	400	200	(a)
Greece .. .. .	—	2	(a)
Italy .. .. .	6,016	6,292	6,752
U.S.S.R. .. .. .	123,141	(a)	(a)
United States (sales)—			
Chrysotile .. .. .	9,393	11,861	} 11,519
Amphibole .. .. .	361	546	
Bolivia .. .. .	—	21	21
Venezuela .. .. .	70	(a)	(a)
French Indo-China .. .. .	5	—	—
Japan (estimated) .. .. .	1,000	1,000	1,000
Korea .. .. .	68	69	(a)
Turkey .. .. .	117	155	657
Total .. .. .	150,000	(a)	(a)
WORLD'S TOTAL .. .. .	503,000	(a)	(a)

Asbestos is also produced in China.

(a) Information not available.

(b) Sales and shipments.

EXPORTS OF ASBESTOS  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. .. .	299	404	338
Waste, including asbestic .. .. .	137	251	311
Packing, etc. .. .. .	4,061	4,748	4,837
Cement products .. .. .	16,121	22,397	26,411
Yarn and cloth .. .. .	812	1,063	845
Other manufactures .. .. .	3,465	3,923	3,629
Southern Rhodesia—			
Unmanufactured .. .. .	45,738	57,547	52,330
Manufactured .. .. .	(£50)	—	(£5)
Union of South Africa—			
Unmanufactured .. .. .	22,061	24,845	19,625
Manufactured .. .. .	(£644)	(£422)	(£980)
Canada—			
Unmanufactured .. .. .	121,917	175,456	147,986
Sand and waste .. .. .	140,784	173,687	109,949
Manufactured .. .. .	(£35,198)	(£66,814)	(£41,877)
British Malaya (including re-exports)—			
Manufactured .. .. .	110	140	201
Cyprus—			
Unmanufactured .. .. .	9,506	11,709	5,578
Hong Kong (including re-exports)—			
Packing .. .. .	(£900)	(£828)	(£605)
Other manufactures .. .. .	(£902)	(£1,642)	(£2,159)
Australia—			
Packing (£ Australian) .. .. .	(£1,677)	(£2,115)	(£1,898)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured .. .. .	57	69	44
Spun and woven .. .. .	56	56	45
Paper and board .. .. .	73	85	83
Cement sheets .. .. .	4	35	4
Other manufactures .. .. .	31	55	34
Belgium-Luxemburg E.U.—			
Unmanufactured .. .. .	575	1,951	664
Spun and woven .. .. .	109	117	166
Paper and board .. .. .	802	714	850
Cement sheets and tiles .. .. .	62,247	95,647	89,256
Other manufactures .. .. .	2	4	12

## EXPORTS OF ASBESTOS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Unmanufactured .. .. .	501	895	788
Spun and woven .. .. .	75	126	101
Paper and board .. .. .	502	683	1,117
Other manufactures .. .. .	47	98	18
Finland—			
Unmanufactured .. .. .	2,142	2,638	2,277
France—			
Spun and woven .. .. .	188	324	540
Paper and board .. .. .	88	122	135
Germany—			
Unmanufactured .. .. .	170	254	149
Spun and woven .. .. .	566	577	657
Paper and board .. .. .	3,387	7,537	9,823
Other manufactures .. .. .	998	1,794	2,126
Hungary—			
Manufactured .. .. .	92	202	101
Italy—			
Unmanufactured .. .. .	1,858	1,475	1,763
Spun and woven .. .. .	36	38	57
Paper and board .. .. .	25	46	31
Cement products .. .. .	10,739	11,573	18,409
Other manufactures .. .. .	74	20	29
Netherlands			
Unmanufactured .. .. .	110	12	38
Cement sheets, tiles, etc. .. .. .	74	143	518
Poland.. .. .	24	36	16
Sweden—			
Unmanufactured .. .. .	39	37	29
Manufactured .. .. .	16	11	8
Switzerland (including mica)—			
Unmanufactured .. .. .	13	5	10
Manufactured .. .. .	149	242	258
U.S.S.R.—			
Unmanufactured .. .. .	25,734	26,868	(b) 13,429
Manufactured .. .. .	8	78	(b) 21
Yugoslavia—			
Unmanufactured .. .. .	10	28	—
United States—			
Unmanufactured .. .. .	3,343	2,682	2,482
Spun, woven and packing .. .. .	594	680	505
Paper and board .. .. .	563	776	647

(b) January to November only.

EXPORTS OF ASBESTOS (*Cont.*)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
United States—( <i>Cont.</i> )			
Brake linings .. .. .	(£190,800)	(£197,000)	(£160,300)
Clutch facings .. .. .	(£15,500)	(£28,500)	(£27,400)
Pipe covering and cement .. .. .	1,487	2,128	1,021
Roofing squares .. .. .	(£28,700)	(£33,700)	(£149,600)
Other manufactures .. .. .	1,209	1,686	1,422
Bolivia—			
Unmanufactured .. .. .	(a)	20	21
Venezuela—			
Unmanufactured .. .. .	92	8	(a)
Japan—			
Unmanufactured .. .. .	177	380	164
Manufactured .. .. .	4,007	5,887	3,148
Manchuria—			
Asbestos .. .. .	77	153	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. ..	39,446	49,417	50,334
Waste, including asbestic .. ..	2,598	5,589	2,913
Packing, etc. .. .. .	38	38	47
Cement products .. .. .	16,752	26,333	23,336
Yarn and cloth .. .. .	13	32	39
Other manufactures .. .. .	1,622	2,034	1,736
Eire—			
Manufactured .. .. .	1,610	2,126	2,557
Kenya and Uganda—			
Manufactured .. .. .	201	508	426
Mauritius—			
Manufactured .. .. .	(£383)	(£1,194)	(a)
Seychelles—			
Cement sheets .. .. .	70	3	14
Southern Rhodesia (total imports)—			
Packing .. .. .	(£511)	(£1,386)	(£1,531)
Cement sheets .. .. .	(£766)	(£416)	(£758)
Other manufactures .. .. .	(£602)	(£30)	(£849)
South West Africa—			
Cement sheets .. .. .	—	(£20)	(£355)
Other manufactures .. .. .	(£1)	(£90)	(£433)
Tanganyika Territory—			
Manufactured .. .. .	220	313	346
Union of South Africa—			
Packing .. .. .	(£53,716)	(£75,218)	(£62,023)
Cement products .. .. .	(£12,708)	(£12,813)	(£17,910)
Other manufactures .. .. .	(£13,194)	(£11,264)	(£41,028)
Canada—			
Packing .. .. .	75	68	42
Other manufactures .. .. .	(£166,461)	(£219,250)	(£176,275)
Newfoundland (years ended June 30)—			
Asbestos .. .. .	(£1,561)	(£1,569)	(£2,959)
British West Indies—			
St. Vincent—			
Manufactured .. .. .	(£17)	(£51)	(£11)
Trinidad and Tobago—			
Cement products .. .. .	523	1,755	1,849
Other manufactures .. .. .	158	300	183

(a) Information not available.



## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Aden—			
Cement sheets .. .. .	(c)127	41	140
Other manufactures .. .. .	(c)(£295)	(£222)	(£262)
British India—			
Unmanufactured .. .. .	1,246	2,348	3,576
Cement products .. .. .	2,568	3,018	3,651
Packing .. .. .	(£15,032)	(£16,181)	(£9,467)
Other manufactures .. .. .	(£58,885)	(£62,777)	(£54,930)
Burma—			
Cement products .. .. .	(b)	(b)809	958
British Malaya—			
Manufactured .. .. .	5,731	7,539	6,238
Cyprus—			
Sheets .. .. .	(a)	127	9
Hong Kong (total imports)—			
Packing .. .. .	(£3,389)	(£3,674)	(£4,803)
Other manufactures .. .. .	(£3,144)	(£7,377)	(£7,318)
Palestine—			
Manufactured .. .. .	(£4,838)	(£11,054)	(£7,576)
Australia—			
Crude .. .. .	7,817	6,199	11,179
Packing .. .. .	(£74,052)	(£84,976)	(£92,840)
New Zealand—			
Sheets, slates, tiles, etc. (£ N.Z.)..	(£22,645)	(£35,223)	(£39,880)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured .. .. .	2,360	2,062	4,579
Spun and woven .. .. .	35	49	19
Paper and board .. .. .	11	30	1
Cement sheets .. .. .	40	43	37
Other manufactures .. .. .	35	33	3
Belgium-Luxemburg E.U.—			
Unmanufactured .. .. .	17,356	24,083	15,668
Spun and woven .. .. .	123	193	78
Paper and board .. .. .	185	255	216
Other manufactures .. .. .	7	5	11
Bulgaria—			
Unmanufactured .. .. .	4	5	6
Manufactured .. .. .	54	66	69
Czecho-Slovakia—			
Unmanufactured .. .. .	8,948	6,063	5,508
Spun and woven .. .. .	10	15	10
Paper and board .. .. .	22	74	713
Other manufactures .. .. .	32	43	46

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Year ended March 31, 1937.

## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Unmanufactured .. .. .	2,368	2,642	1,924
Spun and woven .. .. .	37	59	} 202
Paper and board .. .. .	366	441	
Estonia—			
Unmanufactured .. .. .	63	100	120
Manufactured .. .. .	53	106	93
Finland (including mica) (b)—			
Unmanufactured .. .. .	143	255	291
Manufactured .. .. .	211	353	383
France—			
Unmanufactured .. .. .	15,100	17,803	17,026
Spun and woven .. .. .	36	41	35
Paper and board .. .. .	70	52	61
Brake linings, etc .. .. .	126	108	76
Germany—			
Unmanufactured .. .. .	16,280	23,645	28,341
Spun and woven .. .. .	17	19	59
Paper and board .. .. .	14	96	211
Other manufactures .. .. .	15	14	49
Greece .. .. .	70	126	89
Hungary—			
Unmanufactured .. .. .	754	1,659	(a)
Manufactured .. .. .	157	256	210
Iceland—			
Manufactured .. .. .	26	39	(a)
Italy—			
Unmanufactured .. .. .	4,485	8,473	7,660
Spun and woven .. .. .	77	213	156
Paper and board .. .. .	148	212	167
Cement products .. .. .	38	48	22
Other manufactures .. .. .	13	12	25
Latvia—			
Unmanufactured .. .. .	371	648	1,400
Manufactured .. .. .	52	64	72
Lithuania—			
Unmanufactured .. .. .	44	80	123
Manufactured .. .. .	120	68	122
Netherlands—			
Unmanufactured .. .. .	593	1,926	2,157
Cement sheets, tiles, etc. .. .. .	13,430	16,751	17,617
Norway .. .. .	1,509	1,146	1,000
Poland—			
Unmanufactured .. .. .	1,108	1,838	2,364
Manufactured .. .. .	85	120	155

(a) Information not available.

(b) Total imports.

## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Unmanufactured .. .. .	486	648	(a)
Manufactured .. .. .	57	65	(a)
Roumania—			
Unmanufactured .. .. .	135	106	143
Manufactured .. .. .	214	206	175
Sweden—			
Unmanufactured .. .. .	2,665	4,709	4,935
Manufactured .. .. .	1,294	1,628	1,459
Switzerland (including mica)—			
Unmanufactured .. .. .	1,020	1,151	820
Manufactured .. .. .	567	708	690
U.S.S.R.—			
Unmanufactured .. .. .	1	32	(b —
Manufactured .. .. .	29	64	(b) 13
Yugoslavia—			
Unmanufactured .. .. .	386	1,661	931
Spun and woven .. .. .	48	66	74
Paper and board .. .. .	125	136	125
Other manufactures .. .. .	19	28	24
Algeria—			
Unmanufactured .. .. .	48	36	6
Manufactured .. .. .	69	75	74
Belgian Congo—			
Cement sheets, etc. .. .. .	(a)	378	211
Other manufactures .. .. .	(a)	367	180
Egypt—			
Unmanufactured .. .. .	108	80	172
Paper and board .. .. .	84	153	98
Other manufactures .. .. .	(£13,618)	(£16,234)	(£14,405)
Costa Rica .. .. .	(a)	(a)	25
Netherlands West Indies—			
Crude .. .. .	—	195	(a)
Cement sheets, etc. .. .. .	—	772	(a)
Mexico—			
Unmanufactured .. .. .	541	737	530
Manufactured .. .. .	369	361	286
United States—			
Unmanufactured—			
Crude .. .. .	7,064	12,791	7,004
Mill fibre .. .. .	71,128	92,648	50,305
Other .. .. .	139,310	168,836	102,950
Manufactured .. .. .	367	789	784

(a) Information not available.

(b) January to November only.

IMPORTS OF ASBESTOS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Argentina—			
Spun and woven .. .. .	362	691	390
Paper and board .. .. .	844	991	1,084
Bolivia—			
Unmanufactured .. .. .	(a)	21	(a)
Brazil (total imports)—			
Unmanufactured .. .. .	38	40	66
Manufactured .. .. .	1,346	1,980	2,713
Chile—			
Unmanufactured .. .. .	11	2	4
Manufactured .. .. .	562	1,195	(a)
Colombia—			
Unmanufactured .. .. .	64	104	51
Manufactured .. .. .	113	418	917
Uruguay—			
Unmanufactured .. .. .	111	386	202
Manufactured .. .. .	61	23	81
Venezuela—			
Unmanufactured .. .. .	7	7	(a)
Manufactured .. .. .	1	5	(a)
China .. .. .	672	640	407
French Indo-China—			
Manufactured .. .. .	34	58	65
Japan (total imports)—			
Unmanufactured .. .. .	25,761	43,105	27,780
Manufactured .. .. .	404	411	162
Korea .. .. .	5,199	14,104	9,867
Manchuria—			
Asbestos .. .. .	1,221	2,217	1,689
Netherlands East Indies—			
Unmanufactured .. .. .	60	95	(a)
Cement sheet .. .. .	4,175	7,523	(a)
Philippine Islands .. .. .	(£11,900)	(£14,200)	(£15,300)
Siam (total imports)—			
Cement sheets .. .. .	667	636	862
Syria and Lebanon—			
Cement sheets, etc. .. .. .	505	689	554
Other manufactures .. .. .	7	8	8

(a) Information not available.

## BARIUM MINERALS

### PRODUCTION OF BARIUM MINERALS (Long tons)

Producing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
Barytes, unground .. ..	37,250	36,875	47,568
Witherite, unground .. ..	8,751	11,882	9,914
<b>Barytes—</b>			
Ground, bleached .. ..	5,731	5,427	4,011
do. unbleached .. ..	21,338	19,124	14,825
Southern Rhodesia .. ..	—	—	89
Union of South Africa .. ..	574	561	483
India .. ..	5,114	15,689	8,075
Australia .. ..	2,157	3,103	2,863
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	1,637	841	(a)
France .. ..	21,850	19,550	(a)
<b>Germany—</b>			
Baden .. ..	17,519	21,311	} 470,000
Bavaria .. ..	10,999	11,645	
Prussia .. ..	385,910	404,149	
Saxony .. ..	460	425	
Thuringia .. ..	443	6,683	
Wurtemberg .. ..	1,000	189	
Greece .. ..	30,841	38,722	(a)
Italy .. ..	36,092	44,488	47,408
Norway .. ..	402	69	(a)
Portugal .. ..	10	99	22
Egypt .. ..	30	50	20
Cuba .. ..	(b) 256	3,788	(a)
United States.. ..	244,698	322,212	299,494
French Indo-China .. ..	39	44	49
Japan .. ..	3,776	(a)	(a)
Korea .. ..	5,032	(b) 10,872	(b) 15,481

Barytes is also produced in Czecho-Slovakia, Spain, U.S.S.R. and China.

(a) Information not available.

(b) Exports.

## EXPORTS OF BARIUM MINERALS, ETC.\*

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Unground barytes .. .. .	13	244	694
Ground barytes .. .. .	4,148	1,521	885
Dioxide .. .. .	257	273	131
Barium compounds, excluding blanc fixe .. .. .	3,702	5,858	2,824
British India—			
Barytes .. .. .	500	2,100	1,050
FOREIGN COUNTRIES			
Austria—			
Barytes .. .. .	151	151	17
Carbonate and chloride .. .. .	3	—	—
Belgium-Luxemburg E.U.—			
Barytes, including Iceland spar and cryolite .. .. .	530	259	3,420
Chloride .. .. .	3,315	4,291	3,569
Sulphate .. .. .	393	1,076	770
Sulphide .. .. .	23	11	20
Czecho-Slovakia—			
Barytes .. .. .	1,033	881	500
Chloride .. .. .	119	721	378
Sulphate .. .. .	70	168	57
France—			
Barytes .. .. .	1,096	1,769	3,044
Barium compounds .. .. .	1,585	1,598	2,150
Germany—			
Barytes and celestite .. .. .	184,739	198,489	161,727
Witherite and strontianite .. .. .	372	487	358
Carbonate .. .. .	3,851	4,547	3,484
Chloride .. .. .	2,608	2,529	2,383
Nitrate .. .. .	383	435	403
Sulphate .. .. .	5,599	7,060	4,512
Greece—			
Barytes .. .. .	31,791	24,249	32,476
Hungary—			
Ground barytes .. .. .	94	150	—

\* For lithopone see "Zinc," page 430.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Sulphate .. .. .	4,642	14,899	19,357
Chloride .. .. .	1	11	4
Hydrate .. .. .	132	64	66
Oxides .. .. .	—	145	10
Sulphide .. .. .	1	83	1
Latvia—			
Sulphate .. .. .	6	3	7
Netherlands—			
Barytes .. .. .	79	19	58
Yugoslavia—			
Barytes .. .. .	2,299	2,332	2,435
do. ground .. .. .	192	76	127
Algeria—			
Barytes .. .. .	344	1,345	2,970
Cuba—			
Barytes .. .. .	256	3,601	(a)
Korea—			
Barytes .. .. .	9,455	10,872	15,481

(a) Information not available.

## IMPORTS OF BARIUM MINERALS, ETC.\*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Unground barytes .. .. .	32,860	30,079	13,906
Ground barytes .. .. .	19,946	24,070	25,901
Barium compounds, excluding blanc fixe .. .. .	1,655	2,367	2,063
Eire—			
Ground barytes, including blanc fixe .. .. .	771	842	1,062
Union of South Africa—			
Barytes .. .. .	1,188	1,730	1,836
Carbonate and dioxide .. .. .	56	113	149
Canada—			
Barytes .. .. .	1,480	1,856	1,952
Blanc fixe .. .. .	475	477	281
Dioxide .. .. .	—	1	—
British West Indies—			
Trinidad and Tobago—			
Barytes .. .. .	25,498	27,255	23,111
British India—			
Barytes .. .. .	384	440	375
Burma—			
Barytes .. .. .	(b)	(b)9	1,147
FOREIGN COUNTRIES			
Austria—			
Barytes .. .. .	1,640	1,907	1,913
Carbonate .. .. .	166	199	—
Chloride .. .. .	230	350	103
Belgium-Luxemburg E.U.—			
Barytes, including Iceland spar and cryolite .. .. .	32,749	39,353	45,713
Chloride .. .. .	769	280	398
Dioxide .. .. .	—	2	1
Sulphate .. .. .	815	1,020	745
Sulphide .. .. .	33	42	30
Bulgaria—			
Sulphate .. .. .	1	5	13
Czecho-Slovakia—			
Unground barytes .. .. .	252	2,057	1,660
Ground barytes .. .. .	1,252	1,218	963
Carbonate .. .. .	321	478	339
Chloride .. .. .	—	1	1
Sulphate .. .. .	22	30	50

\* For lithopone see "Zinc," page 434.

(b) Included with India prior to April 1st, 1937.



## IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Witherite .. .. .	426	312	(a)
Chloride .. .. .	41	65	(a)
Sulphate .. .. .	938	1,066	(a)
Estonia—			
Barytes, ground .. .. .	56	79	54
Sulphate .. .. .	3	4	2
Finland (total imports)—			
Barytes .. .. .	597	838	714
Witherite and magnesite .. .. .	1,200	999	1,157
Chloride .. .. .	20	25	15
France—			
Barytes .. .. .	33,002	20,187	23,770
Witherite .. .. .	399	555	226
Chloride .. .. .	1,006	779	783
Hydrate .. .. .	65	59	52
Nitrate .. .. .	12	—	—
Sulphate .. .. .	533	676	349
Sulphide .. .. .	48	2	2
Germany—			
Barytes and celestite .. .. .	3,200	385	746
Witherite and strontianite .. .. .	50	43	61
Carbonate and sulphate .. .. .	5	—	—
Hungary—			
Unground barytes .. .. .	2,901	2,374	(a)
Ground barytes .. .. .	781	454	427
Sulphate .. .. .	145	304	155
Iceland—			
Barytes .. .. .	(a)	54	(a)
Italy—			
Carbonate .. .. .	187	281	259
Chloride .. .. .	77	75	110
Oxide and dioxide .. .. .	26	35	41
Sulphate .. .. .	216	259	262
Latvia—			
Barytes .. .. .	157	102	—
Witherite .. .. .	1	1	—
Carbonate .. .. .	3	5	15
Chloride .. .. .	2	7	8
Oxide .. .. .	9	11	9
Sulphate .. .. .	11	11	19
Lithuania—			
Barytes and witherite .. .. .	34	130	116

(a) Information not available.

## IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Barytes .. .. .	17,216	15,858	21,980
Blanc fixe .. .. .	(a)	1,390	961
Poland—			
Barytes and witherite .. .. .	3,480	3,355	2,997
Carbonate .. .. .	83	76	93
Chloride .. .. .	1	31	13
Oxide .. .. .	20	30	1
Sulphate .. .. .	156	135	189
Portugal—			
Barytes .. .. .	528	263	(a)
Chloride .. .. .	73	91	(a)
Dioxide .. .. .	3	1	(a)
Sulphate .. .. .	160	198	(a)
Roumania—			
Carbonate .. .. .	6	28	(a)
Chloride .. .. .	96	69	(a)
Sulphate .. .. .	53	36	(a)
Sweden—			
Barytes and witherite .. .. .	1,518	1,798	1,623
U.S.S.R.—			
Barytes and witherite .. .. .	53	—	(a)
Dioxide .. .. .	295	(a)	(a)
Yugoslavia—			
Ground barytes .. .. .	—	65	57
Chloride .. .. .	—	—	15
Algeria—			
Barytes .. .. .	39	26	21
Oxide, etc. .. .. .	172	149	48
Sulphate .. .. .	—	1	—
Mexico—			
Barytes .. .. .	(a)	417	86
United States—			
Unground barytes .. .. .	30,217	58,029	22,183
Ground barytes .. .. .	2,565	2,958	1,518
Witherite .. .. .	2,200	4,068	1,888
Sulphate .. .. .	110	97	94
Barium compounds .. .. .	748	751	429
Argentina—			
Barytes .. .. .	3,254	6,554	5,041
Sulphate .. .. .	272	269	282
Barium compounds .. .. .	1,108	1,327	1,112
Brazil—			
Chloride .. .. .	69	57	79

(a) Information not available.

## IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Chile—			
Sulphate .. .. .	3	4	(a)
Carbonate .. .. .	13	26	(a)
Chloride .. .. .	—	60	(a)
Oxides .. .. .	20	29	(a)
Colombia—			
Chloride .. .. .	1	3	7
Sulphate .. .. .	22	16	417
Peru—			
Barium compounds .. .. .	94	122	84
Uruguay—			
Chloride .. .. .	12	21	27
Oxides .. .. .	29	26	26
Sulphate .. .. .	369	580	416
Venezuela—			
Sulphate .. .. .	30	22	(a)
China—			
Carbonate .. .. .	6	2	15
Chloride .. .. .	6	6	3
French Indo-China—			
Barytes .. .. .	—	6	18
Chloride .. .. .	16	14	22
Sulphate .. .. .	12	12	1
Netherlands East Indies—			
Chloride .. .. .	12	16	(a)
Turkey—			
Barium compounds .. .. .	14	3	16

(a) Information not available.

**BISMUTH**

## PRODUCTION OF BISMUTH ORE, ETC.\*

(Cwt.)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Uganda—			
Ore .. .. .	—	—	8
Union of South Africa—			
Ore ( <i>Bi content</i> ) .. .. .	—	368	52
Canada—			
Metal and content of bullion ..	3,251	51	85
Burma—			
Ore .. .. .	1	2	—
Australia—			
Ore, etc. .. .. .	361	174	132
FOREIGN COUNTRIES			
France—			
Mispickel ( <i>Bi content</i> ) .. .. .	78	(a)	(a)
Metal .. .. .	80	(a)	(a)
Norway—			
Copper ore ( <i>Bi content</i> ) .. .. .	11	7	(a)
Roumania—			
Bismuth-Molybdenum ore ..	880	530	3,228
Mexico—			
Ore ( <i>Bi content</i> ) .. .. .	3,259	2,789	3,657
Argentina—			
Ore ( <i>Bi content</i> ) .. .. .	310	160	(a)
Bolivia (exports)—			
Ore, etc. ( <i>Bi content</i> ) .. .. .	1,257	607	338
Peru—			
Lead-silver bullion, etc. ( <i>Bi content</i> )	166	362	(b)248
Metal .. .. .	7,341	1,318	(b)4,059
Japan—			
Metal .. .. .	1,100	(a)	(a)

\* Bismuth ore is also produced in Germany, Spain and China and the metal recovered as a by-product in the United Kingdom, Sweden, U.S.S.R. and the United States.

(a) Information not available.

(b) Exports.

## EXPORTS OF BISMUTH, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Bismuth .. .. .	2,021	2,113	2,055
Hong Kong (including re-exports)—			
Ore .. .. .	1,101	758	460
FOREIGN COUNTRIES			
France—			
Bismuth .. .. .	157	26	199
Bismuth salts .. .. .	394	752	1,037
Germany—			
Bismuth salts .. .. .	1,685	1,451	1,372
Italy—			
Bismuth salts .. .. .	18	2	6
Poland—			
Bismuth salts .. .. .	—	—	37
Argentina—			
Ore .. .. .	—	14	—
Bolivia—			
Ore, etc. ( <i>Bi content</i> ) .. .. .	1,257	607	338
Peru—			
Bismuth .. .. .	7,592	2,114	4,307

## IMPORTS OF BISMUTH, ETC.

*(Less Re-exports)**(Cwt.)*

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Bismuth .. .. .	5,729	4,101	5,014
Canada—			
Bismuth .. .. .	(29lb.)	(34lb.)	3
Bismuth salts .. .. .	(£3,432)	(£3,540)	(£3,400)
Hong Kong (total imports)—			
Ore .. .. .	589	600	465
Australia—			
Bismuth salts .. .. .	368	173	409
New Zealand—			
Bismuth and its salts (£ N.Z.) ..	(£4,872)	(£5,265)	(£4,568)
FOREIGN COUNTRIES			
Estonia—			
Bismuth salts .. .. .	10	14	12
France—			
Bismuth .. .. .	4,191	701	3,142
Bismuth salts .. .. .	2	6	—
Germany—			
Bismuth salts .. .. .	6	—	—
Italy—			
Bismuth salts .. .. .	333	177	110
Latvia—			
Bismuth salts .. .. .	19	21	13
Poland—			
Bismuth salts .. .. .	41	12	4
Roumania—			
Bismuth salts .. .. .	265	160	36
U.S.S.R.—			
Bismuth .. .. .	531	(a)	(a)
Algeria—			
Bismuth salts .. .. .	8	2	39
Mexico—			
Bismuth .. .. .	4	2	—
Bismuth salts .. .. .	89	108	86

(a) Information not available.

## IMPORTS OF BISMUTH, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—			
Bismuth .. .. .	1,013	600	824
Bismuth salts .. .. .	5	28	18
Argentina—			
Bismuth .. .. .	83	94	127
Bismuth salts .. .. .	203	328	264
Chile—			
Bismuth .. .. .	2	10	(a)
Bismuth salts .. .. .	61	40	(a)
Colombia—			
Bismuth salts .. .. .	53	76	152
Peru—			
Bismuth salts .. .. .	49	24	21
French Indo-China—			
Bismuth .. .. .	—	—	37
Bismuth salts .. .. .	6	14	20
Turkey—			
Bismuth .. .. .	1	2	2
Bismuth salts .. .. .	58	61	67

(a) Information not available.

## BORATES

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### PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Germany—			
Boracite .. .. .	15	22	(a)
Italy—			
Boric acid .. .. .	6,138	6,174	6,098
United States—			
Borates .. .. .	280,142	320,445	195,994
Argentina—			
Borate of calcium .. .. .	5,861	10,039	(a)
Tibet (b)—			
Borax .. .. .	196	249	447
Turkey—			
Borates .. .. .	6,382	4,590	3,999

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

(a) Information not available.

(b) Imports into India from Tibet.



## EXPORTS OF BORATES

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	—	8	1
Borax .. .. .	1,958	1,911	1,474
Boric acid .. .. .	560	701	734
British India—			
Borax .. .. .	28	63	41
Hong Kong (including re-exports)—			
Borax .. .. .	484	198	200
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	3	12	2
Boric acid .. .. .	32	3	23
Belgium-Luxemburg E.U.—			
Borates .. .. .	1	194	1
Borax .. .. .	202	529	23
Boric acid .. .. .	1	2	1
Czecho-Slovakia—			
Borax and boric acid .. .. .	15	3	1
France—			
Borax, borates and boric acid .. .. .	933	1,554	1,303
Germany—			
Borax and boric acid .. .. .	1,757	2,608	2,621
Italy—			
Borax .. .. .	1,385	1,939	1,402
Boric acid .. .. .	1,221	1,620	1,221
Perborates .. .. .	155	310	499
Netherlands—			
Borax .. .. .	181	421	248
Sweden—			
Borax and boric acid .. .. .	6	2	1
U.S.S.R.—			
Boric acid .. .. .	2	(a)	(a)
United States—			
Crude borates and borax .. .. .	91,090	137,547	69,213
Boric acid .. .. .	4,133	7,073	4,996
Argentina—			
Borate of calcium .. .. .	3,671	5,964	6,555

(a) Information not available.

EXPORTS OF BORATES (*Cont.*)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan—			
Borax .. .. .	429	265	223
Boric acid .. .. .	111	67	91
Tibet ( <i>c</i> )—			
Borax .. .. .	196	249	447
Turkey—			
Borates .. .. .	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )

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

	(Long tons)		
	1936	1937	1938
United Kingdom .. .. .	2,882	2,516	2,550
France .. .. .	2,099	999	1,999
Germany .. .. .	887	549	—

(*c*) Imports into India from Tibet.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	17,353	23,637	13,446
Borax .. .. .	8,802	13,125	7,921
Boric acid .. .. .	2,043	3,195	1,437
Eire—			
Borax .. .. .	161	173	185
Boric acid .. .. .	70	77	82
Southern Rhodesia—			
Borax .. .. .	91	107	90
Boric acid .. .. .	1	3	(a)
Union of South Africa—			
Borax .. .. .	365	427	368
Boric acid .. .. .	134	178	181
Canada—			
Borax .. .. .	3,054	3,012	3,023
Boric acid .. .. .	397	825	725
British India—			
Borax (c) .. .. .	1,323	2,042	1,768
Burma—			
Borax .. .. .	(b)	(b)36	51
Hong Kong (total imports)—			
Borax .. .. .	584	684	245
Australia—			
Borax .. .. .	1,751	1,741	1,553
Boric acid .. .. .	447	332	325
New Zealand—			
Borax .. .. .	348	390	249
Boric acid .. .. .	43	56	50
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	436	651	528
Boric acid .. .. .	81	40	28
Perborate of sodium .. .. .	499	468	387
Belgium-Luxemburg E.U.—			
Borates .. .. .	1,934	2,331	645
Borax .. .. .	1,360	1,259	1,090
Boric acid .. .. .	275	271	211
Perborate of sodium .. .. .	206	170	144

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Includes trade by land as recorded.

## IMPORTS OF BORATES (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Borax and boric acid .. ..	75	130	130
Czecho-Slovakia—			
Borax .. ..	1,297	3,612	1,630
Boric acid .. ..	157	287	361
Denmark—			
Borates .. ..	305	77	(a)
Borax and boric acid .. ..	143	124	(a)
Estonia—			
Borax and boric acid .. ..	31	18	25
Finland (total imports)—			
Borax .. ..	242	313	231
Boric acid .. ..	48	62	61
France—			
Borates .. ..	8,089	9,239	6,822
Borax .. ..	3,124	4,341	3,367
Borate of manganese .. ..	5	6	2
Perborate of sodium .. ..	21	27	6
Boric acid .. ..	344	625	349
Germany—			
Borates .. ..	36,192	35,679	12,238
Borax and boric acid .. ..	5,827	9,843	8,769
Greece—			
Borax .. ..	79	198	177
Hungary—			
Borax and borates .. ..	639	811	(a)
Boric acid .. ..	137	277	225
Italy—			
Borax .. ..	2	3	—
Boric acid .. ..	1	—	1
Perborates .. ..	5	15	13
Latvia—			
Borax and boric acid .. ..	77	111	114
Perborate of sodium .. ..	30	31	34
Lithuania—			
Borax and boric acid .. ..	104	104	110
Netherlands—			
Borax .. ..	3,444	3,236	3,604
Norway—			
Borax .. ..	257	243	190
Boric acid .. ..	61	78	80

(a) Information not available.

## IMPORTS OF BORATES (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Poland—			
Boron minerals .. .. .	1,137	2,746	2,337
Borax and borates .. .. .	184	230	18
Boric acid .. .. .	2	2	2
Portugal—			
Borates .. .. .	544	444	(a)
Boric acid .. .. .	47	81	(a)
Roumania—			
Borax .. .. .	266	389	228
Boric acid .. .. .	91	99	117
Sweden—			
Borax .. .. .	1,111	1,022	1,136
Boric acid .. .. .	157	206	181
Switzerland—			
Borax .. .. .	1,260	817	1,338
U.S.S.R.—			
Borates .. .. .	71	993	(a)
Yugoslavia—			
Borax and boric acid, crude .. .. .	—	—	102
Borax, refined .. .. .	494	585	231
Boric acid, refined .. .. .	26	11	23
Algeria—			
Borax and boric acid .. .. .	18	24	32
Egypt—			
Borax .. .. .	108	162	151
Boric acid .. .. .	31	23	25
Mozambique—			
Borax .. .. .	1	2	(a)
Tunis—			
Borax .. .. .	14	10	12
Boric acid .. .. .	4	4	3
Mexico—			
Borax .. .. .	414	608	541
Boric acid .. .. .	70	92	31
United States—			
Boric acid .. .. .	3	3	1
Argentina—			
Borax .. .. .	47	18	8
Boric acid .. .. .	9	14	16
Brazil (total imports)—			
Borax .. .. .	682	946	470
Boric acid .. .. .	140	150	101

(a) Information not available.

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Chile—			
Borates .. .. .	14	36	(a)
Boric acid .. .. .	1	1	(a)
Colombia—			
Borates .. .. .	43	73	78
Perborate of sodium .. .. .	4	2	4
Boric acid .. .. .	30	48	32
Peru—			
Borax .. .. .	22	31	36
Uruguay—			
Borax .. .. .	4	13	3
Borate of calcium .. .. .	129	103	119
Venezuela—			
Borax .. .. .	4	9	(a)
Boric acid .. .. .	19	24	(a)
China—			
Borax .. .. .	1,384	2,271	280
Boric acid .. .. .	309	394	145
French Indo-China—			
Borax .. .. .	239	208	232
Boric acid .. .. .	6	4	6
Japan (total imports)—			
Borax .. .. .	8,589	11,628	4,343
Boric acid .. .. .	213	254	—
Manchuria—			
Borax .. .. .	(a)	(a)	298
Netherlands East Indies—			
Borax .. .. .	48	55	(a)
Syria and Lebanon—			
Borax .. .. .	6	5	3
Boric acid .. .. .	14	6	6

(a) Information not available.

**BROMINE.**  
**PRODUCTION OF BROMINE**  
(Lb. avdp.)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Palestine .. .. .	1,088,600	1,137,404	1,085,056
<b>FOREIGN COUNTRIES</b>			
France (State mines only) .. ..	961,000	1,281,000	1,334,000
Germany .. .. .	3,878,000	4,564,000	(b)3,300,000
Italy .. .. .	97,000	183,000	353,000
United States.. .. .	20,609,025	26,200,256	32,224,116

(b) Estimated.

**EXPORTS OF BROMINE, ETC.**  
*(Domestic Produce)*  
(Lb. avdp.)

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Bromine .. .. .	8,200	1,300	13,700
Bromide of iron .. .. .	3,100	1,500	8,100
Ethyl bromide .. .. .	3	1,048	186
Other bromides .. .. .	383,900	381,600	335,600
Palestine—			
Bromine .. .. .	1,053,800	1,175,000	1,061,000
<b>FOREIGN COUNTRIES</b>			
Belgium—Luxemburg E.U.—			
Bromine .. .. .	—	—	7,500
France—			
Bromine .. .. .	602,500	655,400	195,500
Bromides .. .. .	1,187,200	1,155,500	1,628,800
Germany—			
Bromine .. .. .	82,900	25,800	61,100
Bromides .. .. .	1,059,800	473,800	539,000
Italy—			
Bromine .. .. .	—	15,831	10,880
Bromides .. .. .	—	44	35
Ethyl bromide .. .. .	7,100	200	18,300
U.S.S.R.—			
Bromide of soda .. .. .	2,200	(a)	(a)
Bromide of potash .. .. .	11,000	(a)	(a)

(a) Information not available.

## IMPORTS OF BROMINE, ETC.

*(Less Re-exports)*

(Lb. avdp.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Bromine .. .. .	934,800	1,234,400	969,000
Bromides .. .. .	420,600	254,700	276,900
Union of South Africa—			
Bromine .. .. .	95	104	260
Australia (years ended June 30)—			
Bromine and bromides .. .. .	186,348	127,729	86,379
Canada—			
Bromine .. .. .	845	1,029	3,632
Bromides .. .. .	—	360	2,623
FOREIGN COUNTRIES			
Belgium-Luxemburg E. U.—			
Bromine .. .. .	1,500	33,100	2,900
Bulgaria—			
Bromine .. .. .	15	68	117
Czecho-Slovakia—			
Bromine .. .. .	3,700	7,100	4,200
Estonia—			
Bromine .. .. .	284	15	22
Bromide of soda .. .. .	2,641	2,670	2,509
Bromide of potash .. .. .	946	1,135	1,179
Bromide of ammonium .. .. .	417	697	531
France—			
Bromides .. .. .	5,300	1,300	2,600
Ethyl bromide .. .. .	13,700	18,300	52,200
Germany—			
Bromides .. .. .	700	—	—
Italy—			
Bromine .. .. .	170	128	66
Bromides .. .. .	5,986	5,009	3,254
Ethyl bromide .. .. .	352,100	396,000	400
Latvia—			
Bromine .. .. .	273	11	—
Bromide of soda .. .. .	5,005	4,453	4,877
Bromide of potash .. .. .	5,968	5,840	5,075
Bromide of ammonium .. .. .	522	509	225
Other bromides .. .. .	(a)	(a)	7,624
Norway—			
Bromine .. .. .	77	256	489

(a) Information not available.



## IMPORTS OF BROMINE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bromine .. .. .	63,300	28,200	33,100
Bromides of soda and potash ..	67,000	61,700	69,700
Portugal—			
Bromine .. .. .	95	353	(a)
Bromide of soda .. .. .	1,552	23,772	(a)
Bromide of potash .. .. .	3,053	3,466	(a)
Bromide of ammonium .. .. .	573	688	(a)
Roumania—			
Bromides .. .. .	33,700	25,100	(a)
U.S.S.R.—			
Bromide of soda .. .. .	1,104,500	} 1,164,000 (b)	(a)
Bromide of ammonium .. .. .	—		
Other bromides .. .. .	—		
Yugoslavia—			
Bromine and bromides .. .. .	11,230	6,208	11,290
United States—			
Bromine .. .. .	27	25	—
Bromide of soda .. .. .	34,132	—	(c)
Bromide of potash .. .. .	36,897	4,409	42
Bromide of ammonium .. .. .	2,202	1,102	(c)
Ethyl dibromide .. .. .	1,253,971	983,075	1,210,005
Other bromides .. .. .	31,230	14,761	1,270
Argentina—			
Bromine and bromides .. .. .	3,267	5,287	4,447
Chile—			
Bromine .. .. .	386	507	(a)
Bromide of ammonium .. .. .	774	908	(a)
Bromide of strontium .. .. .	216	71	(a)
Peru—			
Bromine .. .. .	190	108	282
Uruguay—			
Bromine .. .. .	170	44	190
Bromides .. .. .	4,710	3,368	2,703
French Indo-China—			
Bromides .. .. .	10,100	1,100	17,900
Turkey—			
Bromine .. .. .	256	265	234
Bromides .. .. .	190	531	897

(a) Information not available.

(b) Bromine content of bromides.

(c) Included, if any, with "other bromides."

## CADMIUM

### PRODUCTION OF CADMIUM (Lb. avdp.)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	49,956	273,688	275,354
South West Africa (d) ..	218,000	305,000	255,000
Canada .. ..	785,916	745,207	699,138
Australia .. ..	555,180	464,311	439,436
FOREIGN COUNTRIES			
Belgium .. ..	452,000	598,000	400,000
France .. ..	185,000	218,000	256,000
Germany .. ..	668,000	783,000	957,000
Italy .. ..	120,441	200,000	152,000
Norway .. ..	224,598	339,935	458,000
Poland .. ..	310,000	274,000	538,000
U.S.S.R. .. ..	250,000	(a)	(a)
United States—			
Metal .. ..	3,633,495	3,995,739	3,753,323
Compounds (metal content)	626,800	828,000	431,000
Mexico (b) .. ..	1,172,894	1,366,407	1,680,800

Cadmium is also produced in the Netherlands, Sweden and Japan.

(a) Information not available.

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

(d) Estimated cadmium content of shipments of dust to Germany.

### EXPORTS OF CADMIUM, ETC.

(Domestic Produce)

(Lb. avdp.)

Exporting Country	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	59,603	142,933	207,476
South West Africa (flue dust)	705,500	960,900	1,481,500
Australia .. ..	483,504	421,904	421,792
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. ..	647,100	1,033,600	1,057,600
France .. ..	29,300	45,400	26,700
Poland .. ..	308,600	296,700	498,900
Mexico (b) .. ..	1,201,120	1,366,407	1,676,390

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

## IMPORTS OF CADMIUM, ETC..

*(Less Re-exports)**(Lb. avdp.)*

Importing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Cadmium .. .. .	673,838	676,513	639,369
Cadmium mass .. .. .	87,360	85,120	109,760
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. ..	5,500	48,300	31,100
France .. .. .	261,700	227,500	306,900
Italy (cadmium salts) ..	2,000	700	700
Poland .. .. .	1,100	—	400
U.S.S.R. .. .. .	246,900	(a)	(a)
United States .. .. .	576,139	828,535	22,582
Argentina (cadmium salts) ..	948	849	1,504
Chile (cadmium salts) ..	26	37	(a)
Peru (cadmium salts) ..	9	115	117
Turkey—			
Cadmium .. .. .	42	280	4,074
Cadmium salts .. .. .	631	88	93

(a) Information not available.

## CHINA CLAY

## PRODUCTION OF CHINA CLAY

(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	746,922	830,946	585,888
Union of South Africa .. ..	344	413	798
Burma .. ..	788	(a)	(a)
Federated Malay States .. ..	121	263	385
India .. ..	17,217	17,081	26,106
Unfederated Malay States .. ..	—	30	768
Australia .. ..	35,336	16,688	(a)
FOREIGN COUNTRIES			
Austria .. ..	(b) 19,622	(b) 19,537	(d)
Belgium (c) .. ..	18,848	22,538	(a)
Bulgaria .. ..	1,892	3,492	7,663
Czecho-Slovakia (estimated)	400,000	450,000	400,000
Denmark—			
Crude .. ..	27,700	32,300	37,400
Washed and pressed .. ..	8,500	9,100	9,750
France .. ..	122,900	124,450	(a)
Germany—			
Bavaria .. ..	141,913	157,265	(a)
Prussia .. ..	76,795	90,521	(a)
Saxony—			
Crude .. ..	45,855	47,653	(a)
Washed .. ..	50,298	59,892	(a)
Thuringia—			
Sand .. ..	5,018	6,392	(a)
Greece .. ..	—	300	(a)
Italy—			
Crude .. ..	75,597	} 96,094	73,772
Kaolinic earth .. ..	6,017		
Washed .. ..	37,539		

(a) Information not available.

(b) Exports.

(c) "Eurite" and kaolin.

(d) Comparable exports not available.

## PRODUCTION OF CHINA CLAY (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Washed .. .. .	11,442	10,723	11,768
Kaolinic sand .. .. .	384	453	189
Roumania (d) .. .. .	4,610	600	(a)
Sweden .. .. .	2,668	2,148	(a)
Algeria .. .. .	2,570	1,634	(a)
United States (f) .. .. .	570,481	653,823	531,298
Argentina .. .. .	426	711	(a)
Brazil .. .. .	(a)	1,593	(a)
Chile .. .. .	7,900	(a)	(a)
Japan (estimated) .. .. .	400,000	400,000	400,000
Korea .. .. .	24,322	(a)	(a)
Manchuria .. .. .	32,500	(a)	(a)
Netherlands East Indies .. .. .	9	771	(a)

China clay is also produced in U.S.S.R. and China.

(a) Information not available.

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

(f) Sales of china clay and paper clay.

## EXPORTS OF CHINA CLAY

*(Domestic Produce)*

(Long tons)

Exporting Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	449,375	534,573	366,538
British Malaya (b) .. ..	44	76	133
FOREIGN COUNTRIES			
Austria .. .. .	19,622	19,537	9,560
Belgium-Luxemburg E.U. ..	9,091	4,412	2,613
Czecho-Slovakia .. ..	188,387	232,138	174,327
Denmark .. .. .	3,284	3,695	5,368
France.. .. .	1,385	3,607	2,731
Germany .. .. .	32,741	29,552	29,112
Italy .. .. .	24	13	24
Portugal .. .. .	814	138	(a)
Sweden .. .. .	4	5	18
U.S.S.R. .. .. .	20,065	(a)	(a)
Algeria .. .. .	1,291	1,424	1,205
Argentina .. .. .	—	3	1

(a) Information not available.

(b) Including re-exports.

IMPORTS OF CHINA CLAY  
(Less Re-exports)  
(Long tons)

Importing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	123	246	525
Union of South Africa (d) ..	370	345	365
Canada .. .. .	37,224	49,281	33,875
Newfoundland (c) .. ..	(£35,321)	(£39,570)	(£34,348)
British India .. .. .	23,058	31,794	25,713
British Malaya (total imports)	112	188	136
Burma .. .. .	(b)	(b)17	1
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	4,430	6,426	3,738
Belgium-Luxemburg E.U. ..	51,115	50,340	34,660
Czecho-Slovakia .. ..	3,948	4,289	3,853
Denmark—			
Crude .. .. .	1,429	495	} 8,274
Washed .. .. .	6,710	8,521	
Estonia .. .. .	2,187	3,613	1,443
Finland (total imports) ..	16,087	27,387	19,016
France.. .. .	62,920	74,682	42,291
Germany .. .. .	210,242	233,156	186,320
Italy .. .. .	16,887	50,279	27,997
Latvia .. .. .	7,278	8,234	7,835
Lithuania .. .. .	506	532	1,272
Norway .. .. .	19,473	20,854	15,280
Poland .. .. .	(a)	(a)	18,606
Portugal .. .. .	153	163	(a)
Sweden .. .. .	29,469	39,495	33,282
Yugoslavia .. .. .	3,120	3,534	3,751
Algeria .. .. .	27	—	5
United States.. .. .	124,819	130,824	75,161
Argentina .. .. .	2,815	5,515	1,583
Chile .. .. .	36	52	(a)
Colombia .. .. .	17	18	12
Peru .. .. .	81	168	130
Uruguay .. .. .	131	168	(a)
French Indo-China .. ..	1,878	1,862	1,690
Netherlands East Indies ..	1,042	1,470	(a)

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Years ended June 30.

(d) Including Cornish or china stone.

## CHROME ORE AND CHROMIUM

## PRODUCTION OF CHROME ORE

(Long tons)

Producing Country.	1936	1937	1938	Estimated Cr <sub>2</sub> O <sub>3</sub> content*		
				1936	1937	1938
<b>BRITISH EMPIRE</b>						
United Kingdom ..	—	300	466	—	75	117
Sierra Leone (shipments) .. ..	—	729	497	—	328	224
Southern Rhodesia ..	180,499	271,265	183,083	88,400	132,900	89,700
Union of South Africa	172,896	165,958	173,773	75,746	74,349	78,181
Cyprus .. ..	500	1,615	5,577	250	800	2,800
Canada .. ..	824	3,814	—	200	800	—
India .. ..	49,486	62,307	44,149	25,000	31,000	22,000
Australia .. ..	415	459	952	(a)	(a)	(a)
Total .. ..	405,000	506,000	408,000			
<b>FOREIGN COUNTRIES</b>						
Bulgaria .. ..	266	2,313	1,717	120	1,064	687
Greece (b) .. ..	46,599	51,789	35,098	18,109	21,000	14,000
Italy (Rhode Is.) ..	79	(a)	(a)	27	(a)	(a)
Norway .. ..	—	173	(a)	—	78	(a)
U.S.S.R.(c) .. ..	216,000	220 (a)	(a)	(a)	(a)	(a)
Yugoslavia .. ..	53,190	58,918	49,401	18,400	28,000	23,800
Cuba .. ..	69,257	79,420	36,739	19,000	22,000	10,000
Guatemala .. ..	—	—	483	—	—	(a)
United States .. ..	269	2,321	812	100	1,000	350
Brazil (exports) ..	3,829	837	920	(a)	(a)	(a)
Japan .. ..	37,868	(a)	(a)	15,100	(a)	(a)
Philippine Islands ..	2,873	75,209	38,271	1,300	34,000	18,000
Turkey .. ..	161,292	189,468	210,256	81,000	90,000	105,000
New Caledonia .. ..	47,084	47,264	51,391	24,000	24,000	26,000
Total .. ..	640,000	(a)	(a)			
WORLD'S TOTAL ..	1,040,000	(a)	(a)			

\* Only approximate estimates can be given owing to the wide variation in the chromium content of the ore produced in several of the countries concerned.

(a) Information not available.

(b) Figures for 1938 refer to exports.

(c) Probably includes some ore needing concentration.



## EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Chromium metal .. .. .	(a)	29	21
Ferro-chrome .. .. .	51	60	43
Chromates of potash .. .. .	402	350	361
Chromates of soda .. .. .	1,124	1,279	1,179
Southern Rhodesia—			
Ore .. .. .	171,350	254,729	201,668
Union of South Africa—			
Ore .. .. .	97,675	166,859	115,705
British India (b)—			
Ore .. .. .	24,988	37,085	18,214
Cyprus—			
Ore .. .. .	5	481	7,442
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Chromates of potash and soda ..	452	245	271
France—			
Ore .. .. .	488	73	203
Ferro-chrome .. .. .	1,005	1,063	1,493
Chromates, chrome alum, etc. ..	196	184	352
Germany—			
Chromates of potash and soda, and oxides of chromium .. .. .	5,585	6,068	5,234
Greece—			
Ore .. .. .	47,197	55,061	35,098
Italy—			
Chrome alum .. .. .	27	149	250

(a) Information not available.

(b) Excluding chrome ore mined in British India, but exported via the Portuguese port of Mormugao—1936, 13,890 tons—1937, 13,282 tons—1938, 6,238 tons.

## EXPORTS OF CHROME ORE, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Chromium compounds .. ..	2	22	4
Norway—			
Ore .. .. .	—	—	26
Ferro-chrome .. .. .	10,862	14,647	11,421
Poland—			
Ferro-chrome .. .. .	412	86	93
Sweden—			
Ore .. .. .	488	—	—
Ferro-chrome .. .. .	12,439	12,916	11,072
Chromates and chrome alum ..	37	103	75
Switzerland—			
Ferro-chrome, including ferro-silicon .. .. .	717	738	943
U.S.S.R.—			
Chrome alum .. .. .	146	(a)	(a)
Chromates .. .. .	3,079	(a)	(a)
Yugoslavia—			
Ore .. .. .	23,405	24,358	22,942
Ferro-chrome .. .. .	338	1,046	1,505
Cuba—			
Ore .. .. .	71,828	95,064	(b)39,529
United States—			
Chromates of soda .. .. .	2,925	2,822	2,160
Brazil—			
Ore .. .. .	3,829	837	920
Japan—			
Bichromates of potash and soda ..	1,575	860	874
Chrome alum .. .. .	1,072	941	1,058
Philippine Islands—			
Ore .. .. .	11,703	68,752	65,854
Turkey—			
Ore .. .. .	147,278	195,325	204,770
New Caledonia—			
Ore .. .. .	76,540	69,337	41,604

(a) Information not available.

(b) Imports into the United States from Cuba.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	40,907	44,770	36,596
Ferro-chrome .. .. .	14,343	18,072	10,385
Chromates of potash .. .. .	58	149	64
Chromates of soda .. .. .	1,672	1,723	1,001
Canada—			
Ore .. .. .	(a)	(a)	(b) 8,128
Bichromate of potash .. .. .	62	61	54
Bichromate of soda .. .. .	1,321	1,321	793
British India (total imports)—			
Bichromate of potash .. .. .	292	278	252
Bichromate of soda .. .. .	793	994	747
Australia—			
Ore .. .. .	3,317	2,026	7,417
Bichromate of potash .. .. .	73	77	92
FOREIGN COUNTRIES			
Austria—			
Ferro-chrome .. .. .	1,609	2,503	2,252
Chrome alum and sulphate .. .. .	13	10	—
Chromates of potash and soda .. .. .	396	402	62
Belgium-Luxemburg E.U.—			
Chromates of potash and soda .. .. .	1,020	684	449
Bulgaria—			
Chromates of potash .. .. .	45	54	67
Czecho-Slovakia—			
Ore .. .. .	5,926	10,912	5,631
Chromates of potash and soda .. .. .	2	2	128
Denmark—			
Chromates of potash and soda .. .. .	172	156	(a)
Estonia—			
Chromates .. .. .	48	41	49
Finland (total imports)—			
Ferro-chrome .. .. .	24	3	22
Chromates of potash and soda .. .. .	260	335	253
Chrome alum and sulphate .. .. .	130	207	158
France—			
Ore .. .. .	46,083	37,568	39,544
Ferro-chrome .. .. .	19	267	27
Chromates of potash and soda .. .. .	722	360	274
Other chromates .. .. .	63	46	49
Chrome alum .. .. .	405	138	111

(a) Information not available.

(b) April-December only.

## IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore .. .. .	121,426	130,075	173,620
Chromates of potash and soda, and oxides of chromium ..	331	10	—
Hungary—			
Chromates of potash, soda and ammonia.. .. .	719	875	637
Italy—			
Ferro-chrome .. .. .	645	1,132	851
Chromates of potash, soda and ammonia.. .. .	2	2	12
Latvia—			
Chrome alum .. .. .	65	101	58
Chromates .. .. .	49	76	63
Netherlands—			
Chromium compounds .. ..	1,125	1,399	921
Norway—			
Ore .. .. .	41,290	32,201	48,872
Poland—			
Ore .. .. .	7,139	3,906	6,515
Ferro-chrome .. .. .	150	84	43
Chromates .. .. .	187	70	5
Portugal—			
Chromates of potash and soda ..	76	73	(a)
Chrome alum .. .. .	17	38	(a)
Roumania—			
Chrome alum .. .. .	217	101	131
Chromium compounds .. ..	325	421	469
Sweden—			
Ore .. .. .	49,888	70,687	48,843
Ferro-chrome .. .. .	1,446	1,485	1,323
Chrome alum .. .. .	138	104	108
Chromates .. .. .	318	446	264
Switzerland—			
Ferro-chrome and ferro-silicon	1,889	2,522	2,388
Yugoslavia—			
Chromates of potash and soda ..	1	3	55
Chrome alum .. .. .	22	142	154

(a) Information not available.

## IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Chromates .. .. .	18	13	—
Egypt—			
Chromates of potash and soda ..	343	439	376
United States—			
Ore .. .. .	324,258	553,916	352,085
( $Cr_2O_3$ content) .. .. .	141,198	247,056	163,570
Ferro-chrome ( <i>Cr content</i> ) ..	70	260	121
Metal and alloys .. .. .	57	78	39
Argentina—			
Bichromate of potash .. .. .	106	193	76
Bichromate of soda .. .. .	262	399	355
Chrome alum .. .. .	32	103	45
Brazil—			
Chromates of potash and soda ..	243	443	488
Other chromium salts .. .. .	43	123	110
Chile—			
Ferro-chrome .. .. .	28	25	(a)
Bichromate of potash .. .. .	65	48	(a)
Bichromate of soda .. .. .	135	243	(a)
Peru—			
Chromium compounds .. .. .	87	137	148
China—			
Bichromate of potash .. .. .	270	229	193
Bichromate of soda .. .. .	357	336	128
Chrome alum .. .. .	875	1,054	1,028
French Indo-China—			
Chromates .. .. .	10	19	8
Chrome alum .. .. .	41	23	27
Japan (total imports)—			
Bichromate of potash .. .. .	29	—	—
Bichromate of soda .. .. .	204	5	—
Manchuria—			
Chrome alum .. .. .	(a)	(a)	1,420
Bichromates of potash and soda	(a)	(a)	361
Syria and Lebanon—			
Chromates .. .. .	20	47	91
Turkey—			
Chrome alum .. .. .	84	23	43

(a) Information not available.

## COAL, COKE AND BY-PRODUCTS

### PRODUCTION OF COAL

(Including Brown Coal and Lignite)

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
Anthracite .. .. .	6,525,225	6,335,776	6,278,140
Bituminous .. .. .	221,923,131	234,073,660	220,737,168
Northern Ireland .. .. .	5,256	1,203	350
<b>Eire—</b>			
Anthracite .. .. .	95,214	104,966	90,701
Semi-bituminous .. .. .	29,509	20,958	27,751
Nigeria .. .. .	291,651	363,181	362,516
Southern Rhodesia .. .. .	693,947	1,013,086	1,027,342
Union of South Africa .. .. .	14,607,313	15,246,129	16,026,987
<b>Canada—</b>			
Bituminous .. .. .	9,639,406	10,387,838	9,186,707
Sub-bituminous .. .. .	505,567	452,018	436,531
Lignite .. .. .	3,452,511	3,299,388	3,097,996
Brunei .. .. .	184	444	464
Federated Malay States .. .. .	502,823	627,890	477,908
<b>India—</b>			
Gondwana Coalfields .. .. .	22,212,457	24,571,343	27,823,951
Tertiary Coalfields .. .. .	398,364	465,043	518,955
Used by miners . . . . .	565,000	626,000	(a)
<b>Australia—</b>			
Bituminous .. .. .	11,370,409	12,074,274	11,680,159
Lignite .. .. .	3,044,897	3,393,919	3,675,450
<b>New Zealand—</b>			
Bituminous .. .. .	858,857	969,984	977,850
Brown coal .. .. .	1,150,071	1,186,320	1,112,414
Lignite .. .. .	131,289	121,495	131,824
Total .. .. .	298,000,000	315,000,000	304,000,000

(a) Information not available.

## PRODUCTION OF COAL (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES			
Albania—			
Lignite .. .. .	3,000	4,000	4,000
Austria—			
Bituminous .. ..	240,480	226,584	222,000
Brown coal .. ..	2,851,446	3,190,571	3,477,000
Belgium—			
Anthracite and semi-			
anthracite .. ..	5,981,898	6,588,307	} 29,106,820
Bituminous .. ..	21,445,070	22,799,348	
Bulgaria— .. .. .			
Anthracite .. .. .	2,286	2,502	3,937
Bituminous .. .. .	98,379	116,021	136,041
Lignite .. .. .	1,551,206	1,704,763	1,825,898
Czecho-Slovakia—			
Bituminous .. .. .	12,039,975	16,512,541	13,300,000
Brown coal .. .. .	15,696,878	17,612,727	12,900,000
France—			
Bituminous (b) .. ..	44,513,214	43,618,141	45,762,612
Lignite .. .. .	928,333	999,522	1,040,552
Germany—			
Bituminous .. .. .	155,782,899	181,598,670	183,238,362
Brown coal .. .. .	158,847,655	181,791,547	191,898,839
Greece—			
Lignite .. .. .	103,953	129,013	(a)
Hungary—			
Bituminous .. .. .	813,783	902,545	} 9,211,880
Brown coal .. .. .	6,501,139	} 7,927,904	
Lignite .. .. .	491,652		
Lignite (dehydrated) .. ..	122,277	140,919	
Italy—			
Anthracite .. .. .	78,709	93,559	130,109
Bituminous .. .. .	714,696	855,654	} 2,185,904
Brown coal .. .. .	756,425	1,042,502	
Netherlands—			
Bituminous .. .. .	12,600,340	14,095,084	13,274,508
Brown coal .. .. .	87,377	140,798	167,942
Poland—			
Bituminous .. .. .	29,278,040	35,646,160	37,502,220
Brown coal .. .. .	13,305	18,616	9,376

(a) Information not available.

(b) Includes about 6,000,000 tons of anthracite each year.

## PRODUCTION OF COAL (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Anthracite .. .. .	204,450	228,260	277,290
Bituminous .. .. .	8,165	17,168	16,581
Brown coal .. .. .	20,395	22,439	14,619
Roumania—			
Anthracite .. .. .	3,649	3,588	3,214
Bituminous .. .. .	284,299	294,657	289,727
Brown coal .. .. .	1,482,615	1,616,921	1,792,262
Lignite .. .. .	162,805	233,856	270,006
Spitzbergen and Bear Island	771,442	754,035	616,623
Sweden .. .. .	448,647	453,193	424,222
Switzerland (b) .. .. .	3,000	4,000	3,000
U.S.S.R.—			
Anthracite .. .. .	27,703,000	} 120,643,000	130,300,000
Bituminous .. .. .	78,974,000		
Lignite .. .. .	17,333,000		
Yugoslavia—			
Bituminous .. .. .	434,384	432,405	} 4,401,672
Brown coal .. .. .	3,017,941	3,475,749	
Lignite .. .. .	952,916	1,046,889	
Algeria—			
Bituminous .. .. .	6,791	13,997	12,979
Belgian Congo .. .. .	13,682	35,917	40,618
Eritrea (lignite) .. .. .	236	(a)	(a)
Morocco (French)—			
Anthracite .. .. .	49,621	105,458	109,000
Mozambique .. .. .	8,161	18,890	18,364
Greenland .. .. .	4,397	6,000	(a)
Mexico .. .. .	1,276,000	897,629	879,035
United States—			
Anthracite .. .. .	48,731,728	46,300,387	41,159,846
Bituminous and lignite .. .. .	392,042,770	397,795,937	307,705,000
Brazil .. .. .	651,738	750,742	869,000
Chile—			
Bituminous .. .. .	1,655,761	} 1,969,384	2,028,852
Lignite .. .. .	189,433		
Colombia .. .. .	277,534	325,000	855,000
Peru—			
Anthracite .. .. .	3,479	2,872	} 113,000
Bituminous .. .. .	84,727	94,605	
Venezuela (c) .. .. .	7,000	11,737	5,601

(a) Information not available.

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

(c) Excluding production in government-owned mines.



## PRODUCTION OF COAL (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
China .. .. .	12,000,000	(a)	(a)
Formosa .. .. .	1,716,236	(a)	(a)
French Indo-China—			
Anthracite .. .. .	2,116,108	2,229,206	2,249,500
Bituminous, etc. .. .. .	34,876	42,348	53,800
Lignite .. .. .	—	—	4,100
Japan—			
Semi-anthracite and bituminous .. .. .	37,466,000	(a)	(a)
Brown coal .. .. .	107,000	(a)	(a)
Karafuto .. .. .	2,042,383	2,495,528	(a)
Korea—			
Anthracite .. .. .	1,035,240	} 2,311,000	(a)
Lignite .. .. .	1,210,712		
Manchuria .. .. .	11,830,000	(a)	(a)
Netherlands East Indies .. .. .	1,129,078	1,341,971	1,433,641
Philippine Islands .. .. .	24,093	21,185	38,333
Turkey—			
Bituminous .. .. .	2,262,345	2,270,435	2,519,000
Lignite .. .. .	94,304	113,252	142,298
Total .. .. .	1,120,000,000	1,200,000,000	1,120,000,000
WORLD'S TOTAL .. .. .	1,420,000,000	1,510,000,000	1,420,000,000

(a) Information not available.

## PRODUCTION OF COKE

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Great Britain—			
Gas-works ( <i>b</i> ) .. ..	12,731,591	12,943,317	12,843,009
Coke-ovens—coke .. ..	13,751,470	14,931,826	12,825,546
breeze .. ..	1,068,444	1,165,254	1,029,974
Northern Ireland—			
Gas-works (estimated) ..	70,000	70,000	70,000
Eire—			
Gas-works .. ..	130,904	136,229	121,834
Southern Rhodesia .. ..	19,797	55,145	47,229
Union of South Africa—			
Coke-ovens .. ..	74,268	107,409	160,732
Gas-works ( <i>e</i> ) .. ..	253,954	( <i>a</i> )	( <i>a</i> )
Canada—			
Gas-works—coke .. ..	217,579	198,490	} 2,103,621
breeze .. ..	11,870	12,072	
Coke-ovens—coke .. ..	1,801,207	1,953,248	} 10,236
breeze .. ..	116,480	131,177	
Strait Settlements .. ..	9,467	9,974	
India—			
Hard .. ..	1,811,291	1,866,853	( <i>a</i> )
Soft ( <i>c</i> ) .. ..	915,719	837,145	( <i>a</i> )
Australia ( <i>e</i> )—			
Gas-works—coke .. ..	} 651,278	712,339	( <i>a</i> )
breeze .. ..		20,581	( <i>a</i> )
Coke-ovens—coke .. ..	} 858,993	979,554	( <i>a</i> )
breeze .. ..		65,523	( <i>a</i> )
New Zealand ( <i>d</i> )—			
Gas-works .. ..	67,206	70,762	( <i>a</i> )
FOREIGN COUNTRIES			
Austria (gas-works) .. ..	537,302	576,938	( <i>a</i> )
Belgium—			
Coke-ovens .. ..	4,458,406	5,434,965	} 4,628,840
Semi-coke .. ..	2,096	—	
Breeze .. ..	708,904	552,858	

(*a*) Information not available.(*b*) Including coke breeze.(*c*) Coke made at collieries only.(*d*) Years ended March 31 of the year following that stated.(*e*) Years ended June 30 of the year stated.

## PRODUCTION OF COKE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Coke-ovens .. ..	1,656	4,478	3,861
Czecho-Slovakia—			
Gas-works .. ..	230,962	242,809	(a)
Coke-ovens .. ..	1,924,561	3,228,063	(a)
Brown-coal coke .. ..	69	—	(a)
Denmark (gas-works) .. ..	297,000	310,000	305,060
Finland (gas-works) .. ..	58,857	66,217	70,172
France—			
Gas-works .. ..	1,829,561	1,770,000	1,722,000
Coke-ovens .. ..	6,989,224	7,679,000	7,662,000
Germany—			
Gas-works (b) .. ..	4,789,000	5,260,651	(a)
Coke-ovens .. ..	35,266,690	40,274,452	42,823,761
Brown-coal coke .. ..	1,972,419	2,973,464	3,221,537
Hungary—			
Gas-works .. ..	209,052	218,661	235,359
Brown-coal coke .. ..	23,752	34,538	52,253
Italy—			
Gas-works .. ..	536,000	586,000	(a)
Coke-ovens .. ..	1,191,592	1,666,285	1,710,173
Breeze (coke-ovens) .. ..	—	10,014	1,772
Latvia .. ..	13,953	16,646	18,546
Netherlands—			
Gas-works .. ..	700,000	700,000	700,000
Coke-ovens .. ..	3,005,226	3,311,741	3,108,188
Norway (gas-works) .. ..	69,860	75,599	(a)
Poland—			
Gas-works .. ..	190,000	200,000	(a)
Coke-ovens .. ..	1,590,082	2,091,949	2,254,736
Portugal (gas-works) .. ..	27,548	27,714	29,479
Roumania—			
Gas-works .. ..	14,250	(a)	(a)
Coke-ovens .. ..	62,216	76,778	84,671
Sweden .. ..	524,734	567,309	(a)
Switzerland—			
Gas-works .. ..	458,974	476,987	(a)
U.S.S.R. .. ..	19,569,000	20,000,000	20,500,000
Yugoslavia (gas-works) .. ..	22,000	22,000	(a)
Algeria (gas-works) .. ..	65,219	63,229	(a)

(a) Information not available.

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

## PRODUCTION OF COKE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Canary Islands .. ..	2,200	3,287	3,234
Tunis (gas-works) .. ..	7,332	8,002	6,657
United States—			
Coke-ovens—			
Coke .. .. .	41,317,129	46,763,812	29,136,879
Breeze and screenings .. ..	3,248,724	3,557,817	(a)
Argentina (gas-works) .. ..	47,500	49,500	(a)
Brazil .. .. .	(a)	(a)	130,000
Chile .. .. .	64,224	70,193	(a)
Colombia .. .. .	2,219	(c) 2,000	(c) 2,000
Dutch Guiana .. .. .	1,500	1,500	1,500
French Indo-China .. ..	107	126	3,450
Turkey—			
Gas-works .. .. .	35,832	} 91,300	(a)
Coke-ovens .. .. .	53,600		
Philippine Islands .. ..	(a)	(a)	7,042

(a) Information not available.

(c) Estimated.

PRODUCTION OF BRIQUETTES  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Great Britain.. .. .	713,778	813,543	499,422
Eire .. .. .	2,702	10,556	6,190
Australia(c)—			
Brown-coal briquettes ..	355,088	364,695	416,545
New Zealand .. .. .	21,106	31,083	(a)
FOREIGN COUNTRIES			
Belgium .. .. .	1,535,254	1,820,073	1,675,580
Bulgaria—			
Brown-coal briquettes ..	40,376	46,362	84,415
Czecho-Slovakia—			
Coal briquettes .. .. .	408,343	452,420	(a)
Brown-coal briquettes ..	186,315	260,305	(a)
France .. .. .	8,383,942	8,190,000	7,357,000
Germany—			
Coal briquettes .. .. .	5,948,849	6,678,369	6,788,313
Brown-coal briquettes ..	35,504,743	41,288,581	43,312,234
Hungary—			
Coal briquettes .. .. .	66,248	} 405,524	434,113
Brown-coal briquettes ..	246,647		45,246
Coke briquettes .. .. .	23,752		34,538
Italy—			
Anthracite briquettes ..	29,961	13,964	16,769
Brown-coal briquettes ..	15,837	43,966	33,472
Netherlands—			
Coal briquettes .. .. .	1,101,903	1,257,132	1,242,775
Brown-coal briquettes ..	30,697	48,757	59,498
Poland .. .. .	164,763	206,041	219,016
Portugal (b) .. .. .	895	7,649	19,551
Roumania .. .. .	216,979	258,187	241,689
Yugoslavia—			
Coal briquettes .. .. .	13,139	24,985	} 99,351
Brown-coal briquettes ..	—	35,500	
Algeria .. .. .	59,923	67,597	(a)
Tunis .. .. .	75,800	81,507	85,112
United States .. .. .	1,004,440	889,223	777,911
French Indo-China .. .. .	102,997	130,142	129,500
Netherlands East Indies ..	55,341	54,475	80,826
Turkey .. .. .	(a)	14,528	36,696

(a) Information not available.

(b) From domestic coal only. The amount made from imported coal is not available.

(c) Years ended June 30.

PRODUCTION OF COAL BY-PRODUCTS  
(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Great Britain—			
Tar (quantity distilled) .. ..	1,962,946	2,094,950	2,036,876
Pitch .. .. .	591,007	658,265	633,998
Ammonium salts expressed as sulphate (25 $\frac{3}{4}$ % NH <sub>3</sub> ) (b) ..	623,700	708,200	623,700
Benzol (refined)* .. .. .	220,000	244,000	244,000
Creosote, etc. (estimated).. ..	480,000	540,000	500,000
Eire—			
Tar .. .. .	13,919	14,159	11,768
Ammonium sulphate .. .. .	2,371	2,242	1,806
Tar oil, creosote oil, etc. .. ..	1,800	1,800	1,350
Union of South Africa—			
Tar*—coke-ovens .. .. .	1,124	1,349	1,450
do.—gas-works (e) .. .. .	9,816	(a)	(a)
Canada—			
Tar*.. .. .	137,459	139,923	(a)
Ammonium sulphate .. .. .	23,954	(a)	(a)
Benzol .. .. .	11,744	(a)	(a)
Ammonia liquor .. .. .	795	(a)	(a)
India (coke-ovens)—			
Ammonium sulphate .. .. .	17,603	18,150	14,616
Australia—			
Tar (e) .. .. .	108,213	(a)	(a)
Ammonium sulphate (e) .. .. .	17,541	(a)	(a)
New Zealand (c)—			
Tar (gas-works)* .. .. .	12,529	14,611	(a)
FOREIGN COUNTRIES			
Austria—			
Tar .. .. .	31,700	(a)	(a)
Ammonium sulphate .. .. .	6,212	(a)	(a)
Benzol .. .. .	6,000	(a)	(a)
Liquid ammonia .. .. .	221	(a)	(a)
Ammonium chloride .. .. .	631	(a)	(a)
Belgium—			
Tar .. .. .	174,519	201,910	(a)
Ammonium sulphate .. .. .	65,322	101,747	(a)
Benzol .. .. .	62,714	66,227	(a)

\* See page 93.

(a) Information not available.

(b) Actual ammonium sulphate production in long tons was :—  
1936, 373,000; 1937, 512,000; 1938, 515,000.

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

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

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

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Tar—coke-ovens .. .. .	83,513	133,407	(a)
gas-works .. .. .	15,121	(d) 11,973	(a)
Pitch .. .. .	57	420	(a)
Ammonium sulphate .. .. .	27,399	43,084	(a)
Naphthalene .. .. .	5,800	2,521	(a)
Benzol (crude) .. .. .	24,861	39,625	(a)
do. (refined) .. .. .	1,029	1,028	(a)
Carbolic acid .. .. .	177	260	(a)
Denmark—			
Tar .. .. .	29,000	31,500	32,464
Finland—			
Gas-works—			
Tar .. .. .	2,567	3,081	3,352
Benzol .. .. .	338	349	336
Ammonia .. .. .	75	64	93
France—			
Tar .. .. .	466,454	481,600	(a)
Ammonium sulphate .. .. .	102,033	262,000	(a)
Benzol .. .. .	86,295	88,146	(a)
Germany—			
Tar—coke-ovens .. .. .	1,404,386	1,568,667	(a)
brown coal .. .. .	419,632	632,848	(a)
gas-works .. .. .	258,000	294,422	(a)
Pitch .. .. .	808,400	942,826	(a)
Ammonium sulphate and other ammoniacal salts .. .. .	471,203	544,066	(a)
Benzol .. .. .	413,954	587,486	(a)
Naphthalene .. .. .	50,500	80,700	(a)
Phenol, cresol, etc. .. .. .	18,900	21,250	(a)
Hungary—			
Benzol .. .. .	2,151	3,310	(a)
Italy—			
Tar—coke-ovens .. .. .	37,754	39,305	51,102
gas-works, etc. .. .. .	85,600	104,700	(a)
Ammonium sulphate (c) .. .. .	13,144	19,808	20,823
Benzol (c) .. .. .	8,918	15,909	16,810

(a) Information not available.

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

(d) Excluding Sudetenland.

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

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Tar .. .. .	869	935	1,073
Pitch .. .. .	171	68	82
Benzol .. .. .	181	147	198
Liquid ammonia .. .. .	54	98	84
Luxemburg—			
Tar .. .. .	2,000	2,000	2,000
Netherlands—			
Pitch (estimated) .. .. .	50,000	(a)	(a)
Benzol .. .. .	28,800	(a)	(a)
Norway—			
Tar (gas-works) .. .. .	5,037	3,248	(a)
Poland—			
Tar (crude) .. .. .	103,000	125,000	140,000
Pitch .. .. .	37,800	50,900	54,700
Ammonium sulphate .. .. .	23,000	29,000	31,500
Benzol (crude) .. .. .	27,000	33,000	37,000
Naphthalene (crude) .. .. .	(a)	2,260	2,700
Phenol and cresol .. .. .	630	1,053	1,043
Portugal—			
Tar (gas-works) .. .. .	1,574	1,583	1,721
Pitch .. .. .	(a)	619	711
Benzol .. .. .	(a)	5	5
Naphthalene .. .. .	(a)	62	64
Creosote .. .. .	(a)	91	79
Roumania—			
Tar .. .. .	7,597	(a)	(a)
Ammonia .. .. .	155	(a)	(a)
Sweden—			
Tar .. .. .	25,222	28,113	(a)
Pitch .. .. .	643	585	(a)
Ammonium sulphate .. .. .	4,930	5,512	(a)
Benzol .. .. .	3,063	3,325	(a)
Switzerland—			
Tar (gas-works) .. .. .	29,491	29,803	(a)
Benzol (estimated) .. .. .	4,000	(a)	(a)
Yugoslavia—			
Tar (estimated) .. .. .	1,500	1,500	1,500

(a) Information not available.



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

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Tar .. .. .	5,020	5,073	(a)
Ammonium sulphate .. ..	463	404	(a)
Benzol .. .. .	354	285	(a)
Canary Islands—			
Tar .. .. .	100	158	(a)
Tunis—			
Tar (gas-works) .. .. .	738	797	714
Panama—			
Tar .. .. .	150	150	728
United States (coke-ovens only)—			
Tar* .. .. .	2,394,810	2,577,151	(a)
Pitch .. .. .	61,017	210,993	(a)
Sulphate equivalent of ammonia produced .. .. .	619,948	672,514	(a)
Benzol* .. .. .	64,708	72,202	(a)
Motor fuel* .. .. .	230,304	256,792	(a)
Naphthalene .. .. .	16,764	27,142	(a)
Toluol* .. .. .	64,730	68,290	(a)
Solvent naphtha* .. .. .	16,632	18,352	(a)
Creosote* .. .. .	72,101	61,117	(a)
Phenol* .. .. .	300	416	(a)
Argentina—			
Tar .. .. .	8,000	8,700	(a)
Pitch .. .. .	1,506	2,628	(a)
Liquid ammonia (28 %) .. ..	935	915	(a)
Anhydrous ammonia .. .. .	157	156	(a)
Chile—			
Tar .. .. .	10,419	11,280	(a)
Dutch Guiana—			
Tar .. .. .	14	14	14
Turkey—			
Gas-works—			
Tar .. .. .	1,652	(a)	(a)
Semi-coke—			
Tar .. .. .	2,185	(a)	3,305
Benzol .. .. .	430	(a)	467
Creosote .. .. .	1,267	(a)	2,970
Carbolic acid .. .. .	28	(a)	(a)

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

(a) Information not available.

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

Exporting Country and Descripti	1936	1937	1938
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
<b>Anthracite—</b>			
small and sized .. .. .	2,552,980	3,090,013	2,882,656
large .. .. .	768,279	715,833	679,747
<b>Bituminous—</b>			
small and sized .. .. .	13,632,887	15,142,770	13,597,203
unscreened .. .. .	6,697,073	9,162,945	8,096,844
large .. .. .	10,868,165	12,226,469	10,599,777
bunkers .. .. .	11,947,525	11,703,003	10,488,949
Coke .. .. .	2,314,015	2,449,862	1,991,043
Manufactured fuel .. .. .	514,645	675,055	335,923
do. (bunkers) .. .. .	179	50	—
Tar and pitch .. .. .	576,853	700,132	494,154
Heavy coal-tar oils .. .. .	166,038	186,815	168,421
Naphthalene .. .. .	11,751	10,997	3,227
<b>Carbolic acid—</b>			
Crude .. .. .	432	727	918
Crystals .. .. .	282	636	701
Cresylic acid .. .. .	10,720	12,203	9,167
Benzol .. .. .	1,054	192	195
<b>Eire—</b>			
Coke .. .. .	12,852	2,600	2,455
Tar and pitch .. .. .	98	123	138
Creosote, etc. .. .. .	461	377	578
<b>Malta—</b>			
Coal (bunkers on merchant ships) (c) .. .. .	112,544	132,040	112,668
<b>Anglo-Egyptian Sudan—</b>			
Coal (bunkers) (c) .. .. .	26,887	24,216	26,476
<b>Kenya and Uganda—</b>			
Coal (bunkers) (c) .. .. .	6,375	1,323	2,343
<b>Nigeria—</b>			
Coal .. .. .	46,975	44,234	52,468
do. (bunkers) .. .. .	10,187	15,105	14,272
<b>Sierra Leone—</b>			
Coal (bunkers) (c) .. .. .	41,569	74,276	66,106
<b>Southern Rhodesia—</b>			
Coal .. .. .	330,763	445,450	470,554
Coke and patent fuel .. .. .	15,917	44,045	45,663

\* For ammonium sulphate, etc., see Nitrogen Compounds, pages 262-265.

(c) Foreign coal (see imports).

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Union of South Africa—			
Coal .. .. .	1,051,822	792,555	886,722
do. (bunkers) .. .. .	1,218,996	1,125,538	1,123,338
Coke .. .. .	21,037	17,179	16,502
Tar and pitch .. .. .	257	204	348
Canada—			
Coal ( <i>e</i> ) .. .. .	358,152	308,416	306,903
Lignite .. .. .	9,325	8,787	8,437
Coke .. .. .	16,263	32,999	27,265
Tar and pitch .. .. .	15,551	10,976	25,748
Creosote oil .. .. .	888	7,503	9,959
Other coal tar oils .. .. .	21,627	23,680	17,174
British West Indies—			
St. Lucia—			
Coal (bunkers) ( <i>c</i> ) .. .. .	38,227	40,591	21,699
Trinidad and Tobago—			
Coal (bunkers) ( <i>c</i> ) .. .. .	39,551	62,249	37,364
Coke and patent fuel .. .. .	2	—	5
Aden (including re-exports)—			
Coal (bunkers) ( <i>c</i> ) .. .. .	( <i>d</i> )91,713	112,053	56,114
Brunei—			
Coal .. .. .	49	3	54
British India—			
Coal .. .. .	195,836	856,095	1,321,352
do. (bunkers—domestic produce)	520,032	556,103	644,719
do. (bunkers—foreign produce)	35,973	52,029	35,639
Coke .. .. .	1,376	17,215	21,681
British Malaya (including re-exports)			
Coal .. .. .	6,156	4,443	2,547
do. (bunkers) ( <i>c</i> ) .. .. .	361,153	387,476	343,847
Coke .. .. .	447	663	603
Tar and pitch .. .. .	476	516	586
Ceylon—			
Coal (bunkers) ( <i>c</i> ) .. .. .	225,683	325,423	225,336
Cyprus—			
Coal (bunkers) ( <i>c</i> ) .. .. .	126	155	18

(c) Foreign coal (*see* imports).

(d) Year ended March 31, 1937.

(e) Including bunkers to March 31, 1937.

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

Exporting Country and Description:	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Hong Kong (including re-exports)—			
Anthracite .. .. .	2,944	4,015	4,294
Bituminous .. .. .	24,693	29,787	51,221
do. (bunkers) (c) .. .. .	337,989	379,113	337,884
Coke .. .. .	1,143	1,441	858
Briquettes .. .. .	20	—	25
Sarawak—			
Coke .. .. .	6	2	5
Australia—			
Coal .. .. .	302,802	373,889	405,660
do. (bunkers) (b) .. .. .	614,333	605,425	617,717
Coke .. .. .	17,021	25,042	34,296
Tar and pitch .. .. .	3,138	1,414	1,698
New Zealand—			
Coal .. .. .	2,466	20	12,533
do. (bunkers) .. .. .	42,406	49,069	43,280
Coke .. .. .	6	3	9
Tar .. .. .	30	39	62
FOREIGN COUNTRIES			
Austria—			
Coal .. .. .	17	154	493
Brown coal .. .. .	469	659	438
Coke .. .. .	6	5	26
Tar and pitch .. .. .	6,867	13,448	4,577
Tar oils .. .. .	2,900	2,602	1,809
Naphthalene .. .. .	569	950	344
Carbolic acid .. .. .	4	5	3
Carbolineum, creolin, etc. .. .. .	11	6	16
Belgium-Luxemburg E.U.—			
Coal .. .. .	4,287,129	4,059,982	4,332,930
do. (bunkers) .. .. .	373,351	(d)187,718	(d)266,994
Coke .. .. .	1,230,524	1,298,717	1,185,276
Briquettes .. .. .	447,714	604,298	584,644
do. (bunkers) .. .. .	68,848	(d) 22,496	(d) 32,464
Brown coal briquettes .. .. .	55	223	55
Tar and pitch .. .. .	111,017	87,483	68,756
Naphthalene .. .. .	10,249	9,273	5,602
Distillates .. .. .	83,044	93,611	78,556

(b) Years ended June 30.

(c) Foreign coal (see imports).

(d) Bunkers for foreign ships only.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Coal .. .. .	474	3,400	15,429
Czecho-Slovakia—			
Coal .. .. .	1,297,275	2,189,498	1,457,447
Brown coal .. .. .	1,668,058	1,816,153	1,244,190
Coke .. .. .	411,143	928,535	683,329
Briquettes .. .. .	74,683	103,217	41,478
Tar and pitch .. .. .	853	8,044	8,021
Benzol, etc. .. .. .	4,627	13,307	13,440
Crude naphthalene .. .. .	3,867	4,979	2,972
Crude carbolic acid .. .. .	—	994	3,046
Cresol .. .. .	505	480	1,392
Denmark—			
Tar and pitch .. .. .	1,286	2,234	(a)
France—			
Coal .. .. .	866,695	665,447	865,546
Brown coal .. .. .	191	95	126
Coke .. .. .	261,769	228,545	208,919
Briquettes .. .. .	112,674	59,793	56,957
Coal, coke and briquettes—			
Bunkers (domestic produce) .. .. .	16,244	8,017	36,143
do. (foreign produce) .. .. .	943,176	956,183	962,084
Tar and pitch .. .. .	886	1,230	1,337
Benzol, etc. .. .. .	144	124	120
Naphthalene .. .. .	272	355	600
Carbolic acid, etc. .. .. .	740	385	274
Coal-tar oils .. .. .	559	1,884	523
Germany—			
Coal .. .. .	27,867,806	37,636,160	28,832,190
do. (bunkers for foreign ships) .. .. .	329,466	382,674	338,849
Brown coal .. .. .	319	503	48,136
Coke .. .. .	7,070,169	8,653,998	5,211,311
Coal briquettes .. .. .	829,676	1,013,505	1,111,763
Brown-coal briquettes .. .. .	1,108,079	1,127,313	983,612
Tar and pitch .. .. .	128,183	163,099	112,515
Naphthalene .. .. .	3,639	11,146	6,294
Carbolic acid .. .. .	953	430	369
Cresol .. .. .	2,023	1,975	2,115
Light coal-tar oils, etc. .. .. .	4,979	1,909	2,396
Heavy coal-tar oils, etc. .. .. .	21,619	66,639	54,546

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Coal .. .. .	18,931	33,542	33,714
Lignite .. .. .	176,220	206,090	239,735
Coke .. .. .	7,679	8,392	7,917
Briquettes .. .. .	586	1,339	945
Tar and pitch .. .. .	516	66	66
Benzol .. .. .	106	76	81
Italy—			
Coal .. .. .	6,648	10,317	2,402
do. (bunkers for foreign ships)	573	4,156	7,314
Coke .. .. .	367	1,760	939
Tar and tar oils .. .. .	317	880	224
Naphthalene .. .. .	76	263	163
Benzol, toluol and xylol .. .. .	2	83	6
Carbolic acid and cresylic acid ..	7	21	3
Latvia—			
Coal .. .. .	1,149	679	358
Netherlands—			
Coal .. .. .	3,114,279	3,900,060	3,363,107
do. (bunkers) (b)	2,752,694	3,108,270	3,007,696
Coke .. .. .	2,268,914	2,399,054	2,135,705
Briquettes .. .. .	332,213	420,742	406,793
Brown-coal briquettes .. .. .	4,128	22,033	22,799
Tar .. .. .	7,851	6,629	5,784
Creosote .. .. .	14,978	(c) 30,225	38,184
Naphthalene .. .. .	6,439	6,844	4,367
Carbolic acid .. .. .	62	280	630
Benzol .. .. .	10,207	13,966	18,361
Toluol and xylol .. .. .	2,442	3,251	3,427
Naphtha .. .. .	273	258	126
Asphalt .. .. .	112	263	219
Norway—			
Anthracite .. .. .	99	199	—
Tar .. .. .	562	133	125
Creosote .. .. .	1	—	—

(b) Including imported coal.

(c) Including re-exports.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bituminous coal .. .. .	7,595,264	9,701,679	9,707,238
do. (bunkers) .. .. .	634,975	1,127,985	1,777,641
Coke .. .. .	351,117	362,320	272,432
Briquettes .. .. .	4,889	3,490	782
Tar and pitch .. .. .	10,361	30,006	30,817
Naphthalene .. .. .	1,374	1,571	1,535
Carbolic acid, etc. .. .. .	268	625	524
Benzol .. .. .	12,547	16,125	19,294
Creosote, etc. .. .. .	59	75	72
Portugal—			
Coal .. .. .	208	1,083	(a)
do. (bunkers) .. .. .	216,549	122,120	87,334
Tar and pitch .. .. .	133	57	(a)
Roumania—			
Anthracite .. .. .	335	21	(a)
Bituminous coal .. .. .	10	217	(a)
Brown coal .. .. .	2	3	(a)
Creosote, etc. .. .. .	14	—	(a)
Spitzbergen—			
Coal (including bunkers) .. .. .	692,562	733,000	596,000
Sweden—			
Anthracite .. .. .	—	59	3
Bituminous coal .. .. .	2,770	2,925	2,355
Coke .. .. .	10,216	13,118	6,866
Tar, pitch, etc. .. .. .	7,132	11,398	9,963
Benzol .. .. .	1,678	1,464	1,609
Carbolic acid, etc. .. .. .	17	41	36
Switzerland—			
Coal .. .. .	48	1	5
Coke .. .. .	63	24	1
Briquettes .. .. .	198	82	26
Tar and pitch .. .. .	4,233	400	569
Creosote, etc. .. .. .	853	107	14
Naphthalene, etc. .. .. .	321	400	780

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
<b>U.S.S.R.—</b>			
Anthracite .. .. .	987,775	790,820	(c) 277,179
Other coal .. .. .	785,961	462,275	(c) 39,939
Lignite, etc. .. .. .	9,889	—	—
Briquettes .. .. .	62,615	38,362	(c) 3,356
Tar and pitch .. .. .	87,714	118,240	(c) 86,577
Solvent naphtha .. .. .	240	—	(c) 15
Benzol, toluol and xylol .. .. .	6,568	8,820	(c) 8,365
Carbolic acid .. .. .	814	291	(c) 5
Naphthalene .. .. .	4,881	3,753	(c) 2,261
<b>Yugoslavia—</b>			
Bituminous coal .. .. .	1,973	1,924	560
Lignite .. .. .	23,520	73,497	42,040
Brown coal .. .. .	6,842	9,059	10,615
Coke .. .. .	3	—	2,967
Briquettes .. .. .	3	7,093	883
Creosote .. .. .	18	12	10
<b>Algeria—</b>			
Coal .. .. .	14,840	12,596	358
do. (bunkers) .. .. .	397	377	414
do. do. (b) .. .. .	708,245	796,413	605,596
Coke .. .. .	51	2,258	139
Briquettes .. .. .	660	4,318	—
do. (bunkers) .. .. .	131	152	10
do. do. (b) .. .. .	4,572	4,068	1,697
Tar .. .. .	1,607	373	1,930
<b>Angola (b)—</b>			
Coal .. .. .	47	(a)	} 22,360
do. (bunkers) .. .. .	27,732	(a)	
<b>Cape Verde Islands (b)—</b>			
Coal (bunkers) .. .. .	(a)	(a)	111,635
<b>Egypt—</b>			
Coke .. .. .	927	834	1,138
Briquettes .. .. .	364	69	(a)
Tar .. .. .	85	—	(a)
<b>French West Africa (b)—</b>			
Coal (bunkers) .. .. .	226,169	241,176	(a)
<b>Madagascar (foreign coal)—</b>			
Coal (bunkers) .. .. .	10,510	14,470	15,192

(a) Information not available.

(b) Foreign coal (see imports).

(c) January to September only.



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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Morocco (French)—			
Anthracite .. .. .	21,759	70,329	20,411
Other coal .. .. .	35	31	(a)
Briquettes .. .. .	—	3,000	(a)
Tar .. .. .	—	3	(a)
Mozambique—			
Coal .. .. .	4,244	7,249	6,976
Mexico—			
Coal .. .. .	76	36	169
Netherlands West Indies—			
Coal (including bunkers) .. .. .	43	130	(a)
St. Pierre and Miquelon (b)—			
Coal (bunkers) .. .. .	9,800	13,104	(a)
United States—			
Anthracite .. .. .	1,498,236	1,709,083	1,704,385
Bituminous .. .. .	9,513,357	11,736,320	9,366,312
do. (bunkers) .. .. .	1,447,983	1,635,402	1,207,571
Coke .. .. .	598,493	470,253	434,441
Briquettes .. .. .	(a)	22,634	14,904
Tar and pitch .. .. .	132,248	53,318	30,462
Benzol .. .. .	63,931	68,269	35,378
Creosote .. .. .	1,021	2,639	2,114
Argentina—			
Coal .. .. .	37,978	100,684	62,250
Coke .. .. .	65	475	105
Brazil—			
Coal .. .. .	32	10	30
Chile—			
Coal (including bunkers) .. .. .	130,078	54,223	57,203
Coke .. .. .	69	134	(a)
Uruguay—			
Coal (b) .. .. .	40,593	120,594	64,964
China—			
Coal (including bunkers) .. .. .	1,303,625	1,741,179	1,953,891
Coal dust .. .. .	49,602	64,412	90,708
Coke .. .. .	11,242	8,919	11,446

(a) Information not available.

(b) Foreign coal (see imports).

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

Exporting Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (Cont.)</b>			
<b>Formosa—</b>			
Coal .. .. .	52,346	73,049	(a)
do. (bunkers) .. .. .	31,406	43,087	(a)
Coal dust .. .. .	185,350	328,424	(a)
do. (bunkers) .. .. .	261,426	289,983	(a)
Coke .. .. .	433	355	(a)
Tar .. .. .	139	(a)	(a)
<b>French Indo-China—</b>			
Coal .. .. .	1,679,999	1,493,520	1,511,681
do. (bunkers) .. .. .	12,090	18,592	41,369
Coke .. .. .	51	25	829
Briquettes .. .. .	4,783	7,771	1,114
do. (bunkers) .. .. .	1,450	5,876	767
Tar and pitch .. .. .	6	10	25
<b>Japan—</b>			
Coal .. .. .	1,094,567	1,011,375	746,481
Tar, pitch, etc. .. .. .	36,224	16,901	5,839
Carbolic acid .. .. .	(a)	125	79
Creosote .. .. .	(a)	24,497	18,967
Naphthalene .. .. .	(a)	1,008	24
<b>Korea—</b>			
Coal .. .. .	671,940	642,272	966,521
Briquettes .. .. .	207	7,828	(a)
<b>Manchuria—</b>			
Coal .. .. .	2,976,704	3,023,411	2,100,302
do. (bunkers) .. .. .	761,001	801,215	806,532
Coke .. .. .	26,780	16,155	15,059
Benzol .. .. .	5,720	7,395	(a)
Creosote .. .. .	2,407	5,550	9,072
Naphthalene .. .. .	1,188	1,905	(a)
Tar and pitch .. .. .	(a)	(a)	7,863
<b>Netherlands East Indies—</b>			
Coal .. .. .	223,435	291,336	322,801
do. (bunkers) .. .. .	18,796	21,496	38,928
Coke .. .. .	—	3	(a)
<b>Portuguese India—</b>			
Coal .. .. .	(a)	(a)	802
<b>Syria and Lebanon—</b>			
Bituminous .. .. .	—	20	87
Coke .. .. .	10	13	44
Briquettes .. .. .	219	—	—
Tar .. .. .	33	—	—
<b>Turkey—</b>			
Coal and briquettes, including peat	530,156	288,594	336,918

(a) Information not available.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS\*

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Coal .. .. .	26,060	16,921	8,992
Coke .. .. .	101,243	59,528	2,884
Manufactured fuel.. .. .	173	583	108
Tar and pitch .. .. .	2,076	2,093	2,971
Heavy coal-tar oils .. .. .	2	—	101
Naphthalene .. .. .	445	825	72
Carbolic acid .. .. .	104	369	182
Cresylic acid .. .. .	141	207	179
Benzol .. .. .	1,263	16,722	14,536
Eire—			
Anthracite .. .. .	41,622	48,236	79,325
Bituminous .. .. .	2,420,639	2,504,244	2,397,530
Coke .. .. .	22,769	18,177	17,332
Tar and pitch .. .. .	2,634	2,918	6,020
Creosote, etc. .. .. .	410	1,482	1,715
Tar and bitumen mixture .. .. .	8,990	12,234	9,997
Benzol .. .. .	63	61	165
Malta—			
Coal (b) .. .. .	113,710	143,374	125,162
Anglo-Egyptian Sudan—			
Coal .. .. .	103,094	104,550	124,929
Coke .. .. .	763	1,053	748
Patent fuel .. .. .	9,751	4,600	1,270
Tar .. .. .	34	63	32
Gambia—			
Coal, coke and patent fuel .. .. .	1,953	2,248	1,706
Gold Coast—			
Coal .. .. .	57,506	70,290	69,575
Coke .. .. .	335	306	5,476
Patent fuel .. .. .	434	794	264
Kenya and Uganda—			
Coal .. .. .	98,513	148,671	123,116
Coke .. .. .	619	252	503
Creosote, etc. .. .. .	69	41	48

\* For ammonium sulphate, etc., see Nitrogen Compounds, pages 266-275.

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

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

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
Mauritius—			
Coal .. .. .	39,626	41,081	48,515
Coke .. .. .	271	6,063	} 14,285
Patent fuel .. .. .	9,499	3,160	
Tar and pitch .. .. .	53	32	74
Nigeria—			
Coal .. .. .	32,596	38,143	37,118
Coke .. .. .	1,122	740	538
Patent fuel .. .. .	211	2	30
Northern Rhodesia—			
Coal and patent fuel .. .. .	284,217	333,498	396,085
Coke .. .. .	1,633	2,317	2,739
Tar and creosote oil .. .. .	251	109	120
Nyasaland—			
Coal .. .. .	5,148	5,004	3,694
Sierra Leone—			
Coal ( <i>b</i> ) .. .. .	40,926	79,110	77,956
Coke .. .. .	32	56	41
Patent fuel .. .. .	3,002	—	—
Southern Rhodesia—			
Coal and coke .. .. .	229	374	504
Tar and pitch .. .. .	286	120	101
South West Africa—			
Coal .. .. .	1,986	2,063	2,357
Coke .. .. .	67	1,543	14,359
Tanganyika Territory—			
Coal .. .. .	6,462	14,912	25,882
Coke .. .. .	125	270	120
Creosote .. .. .	70	44	67
Union of South Africa—			
Coal .. .. .	22,376	24,568	23,296
Coke .. .. .	79	104	403
Tar and pitch .. .. .	564	707	588
Naphthalene .. .. .	103	60	141
Creosote .. .. .	248	380	324
Zanzibar—			
Coal .. .. .	2,734	1,300	5,598
Canada—			
Anthracite .. .. .	3,045,216	3,097,462	3,046,757
do. dust .. .. .	7,066	17,072	56,637
Bituminous .. .. .	8,300,077	9,623,940	8,120,616
do. (bunkers) .. .. .	318,483	313,362	359,341
Brown coal .. .. .	4,351	1,334	2,644
Coke .. .. .	573,714	421,917	350,451
Cresylic acid .. .. .	98	144	153

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

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Canada—( <i>cont.</i> )			
Tar .. .. .	9,842	10,285	18,437
Pitch .. .. .	3,105	3,697	2,582
Naphthalene .. .. .	395	561	483
Carbolic acid, etc. .. .. .	1,781	5,440	1,243
Newfoundland (years ended June 30)—			
Anthracite .. .. .	11,298	7,937	13,558
Other coal .. .. .	292,380	314,794	332,338
Coke .. .. .	826	500	352
British Guiana—			
Coal .. .. .	3,921	4,205	4,059
Coke .. .. .	126	167	94
Patent fuel .. .. .	3,400	3,400	5,500
British West Indies—			
Bahamas—			
Coal .. .. .	176	226	255
Barbados—			
Coal, coke, and patent fuel ..	4,164	4,721	2,393
Bermuda—			
Anthracite .. .. .	703	498	—
Bituminous .. .. .	6,914	7,144	3,527
Jamaica—			
Coal ( <i>b</i> ) .. .. .	166,622	112,668	142,997
Coke and patent fuel .. .. .	(£239)	(£454)	(£198)
Leeward Islands—			
Coal, coke and patent fuel ..	1,434	4,176	2,700
St. Lucia—			
Coal ( <i>b</i> ) .. .. .	28,782	46,141	15,831
St. Vincent—			
Coal .. .. .	119	144	99
Trinidad and Tobago—			
Coal ( <i>b</i> ) .. .. .	37,696	57,614	46,536
Coke .. .. .	173	2,860	243
Patent fuel .. .. .	7,983	244	5,324
British Honduras—			
Coal and coke .. .. .	43	273	475
Aden—			
Coal ( <i>b</i> ) .. .. .	83,235	131,848	39,719
Coke .. .. .	10	58	14
Tar and pitch .. .. .	39	28	27
Naphthalene .. .. .	257	282	255
Carbolic acid .. .. .	24	3	7

(b) Imported chiefly for bunkering purposes.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Coal .. .. .	75,128	61,545	45,063
Coke .. .. .	20,808	3,305	1,677
Coal and coke (government stores)	—	—	769
Tar and pitch .. .. .	3,399	2,698	2,365
Naphthalene .. .. .	267	582	453
Carbolic acid .. .. .	30	34	35
British Malaya (total imports)—			
Coal (c) .. .. .	589,485	726,906	475,772
Coke .. .. .	6,032	9,675	4,757
Tar and pitch .. .. .	1,672	1,680	1,795
Burma—			
Coal .. .. .	(b)	(b) 233,019	399,239
Coke .. .. .	(b)	(b) 22,965	50,210
Tar and pitch .. .. .	(b)	(b) 2,773	3,101
Naphthalene .. .. .	(b)	(b) 45	34
Ceylon—			
Coal (c) .. .. .	405,536	570,597	383,470
Coke .. .. .	686	934	917
Cyprus—			
Coal .. .. .	4,589	4,625	4,097
Coke and briquettes .. .. .	21	171	49
Tar and pitch .. .. .	23	24	13
Hong Kong (total imports)—			
Anthracite .. .. .	59,612	74,481	97,054
Bituminous (c) .. .. .	695,855	822,351	641,776
Coke .. .. .	1,837	2,944	1,942
Briquettes .. .. .	1,480	50	—
Palestine—			
Anthracite .. .. .	9,718	32,675	13,563
Other coal .. .. .	24,871	58,452	37,506
Coke .. .. .	1,769	494	1,307
Briquettes .. .. .	3,745	3,479	4,967
Tar and pitch .. .. .	57	139	54
Sarawak—			
Coal .. .. .	100	162	250
State of North Borneo—			
Coal and coke .. .. .	527	359	1,305

(b) Included with India prior to April 1, 1937.

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

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Australia—			
Coal .. .. .	50,066	305	73,520
Coke .. .. .	9,111	26,805	6,906
Tar and pitch .. .. .	95,432	124,137	168,313
Naphthalene .. .. .	66	21	34
Carbolic acid .. .. .	55	83	150
Tar oil .. .. .	292	403	350
Fiji—			
Coal .. .. .	24,427	33,910	23,498
Coke .. .. .	413	411	329
Tar and pitch .. .. .	136	40	59
Gilbert and Ellice Islands (c)—			
Coal .. .. .	4,307	5,810	3,606
New Guinea—			
Coal and coke(c) (£ Australian) ..	(£10,713)	(£13,298)	(£15,487)
New Zealand—			
Coal .. .. .	111,078	116,499	109,206
Coke .. .. .	866	1,030	1,249
Benzol, toluol, etc. .. .. .	95	137	246
Naphthalene (£ N.Z.) .. .. .	(£724)	(£663)	(£845)
Papua (c)—			
Coal and coke .. .. .	1,558	1,876	2,289
Solomon Islands (b)—			
Coal .. .. .	334	109	145
FOREIGN COUNTRIES			
Albania—			
Coal .. .. .	234	371	4,237
Naphthalene .. .. .	43	45	68
Austria—			
Coal .. .. .	2,323,357	2,606,772	1,509,419
Brown coal .. .. .	154,102	179,679	208,211
Coke .. .. .	389,799	541,992	133,193
Briquettes .. .. .	11,186	10,752	2,437
Carbolic acid .. .. .	412	567	26
Tar and pitch .. .. .	59	157	34
Naphthalene .. .. .	5	19	4
Carbolineum, creolin, etc. .. .. .	1	3	—
Tar oils .. .. .	1,980	3,501	6,551

(b) Years ended March 31 following.

(c) Years ended June 30.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Coal .. .. .	3,809,964	6,069,866	4,422,665
Brown coal .. .. .	} 154,014 {	1,039	1,076
do. do. coke .. .. .		757	617
do. do. briquettes .. .. .		154,988	200,323
Coal coke .. .. .	2,516,664	3,136,263	1,907,047
do. briquettes .. .. .	106,951	160,340	91,504
Tar and pitch .. .. .	193,392	222,967	138,435
Naphthalene .. .. .	7,636	4,121	3,171
Distillates .. .. .	28,041	31,279	40,320
Bulgaria—			
Coal .. .. .	1,965	502	—
Coke .. .. .	2,288	2,371	4,082
Benzol .. .. .	11	9	10
Carbolic acid .. .. .	6	11	23
Naphthalene .. .. .	357	620	275
Creosote, etc. .. .. .	27	6,820	4,661
Czecho-Slovakia—			
Coal .. .. .	1,093,119	1,149,435	1,242,099
Brown coal .. .. .	66,666	79,558	508,712
Coke .. .. .	160,326	162,249	116,159
Briquettes .. .. .	27,484	28,049	23,371
Tar and pitch .. .. .	305	386	2,932
Benzol, etc. .. .. .	2,539	6,723	493
Crude carbolic acid .. .. .	1,113	1,137	1,326
Cresol .. .. .	20	22	11
Denmark—			
Coal .. .. .	4,042,710	4,153,077	3,795,221
Coke .. .. .	1,131,600	1,267,062	(a)
Briquettes .. .. .	69,123	125,479	150,577
Tar and pitch .. .. .	529	175	(a)
Benzol .. .. .	880	555	654
Carbolic acid .. .. .	77	50	(a)
Estonia—			
Coal .. .. .	61,521	79,449	60,763
Coke .. .. .	2,924	3,537	4,279
Tar and pitch .. .. .	249	372	393
Naphthalene .. .. .	12	23	20
Carbolic acid .. .. .	2	2	8
Benzol .. .. .	10	13	12

(a) Information not available.



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Anthracite .. .. .	2,518	3,615	1,162
Bituminous .. .. .	1,419,110	1,869,736	1,504,407
Brown coal, briquettes, etc. ..	22	2,874	6,083
Coke .. .. .	274,856	323,643	244,127
Tar and pitch .. .. .	1,663	2,125	1,250
Carbolic acid, creosote and cresol	2,109	3,164	2,158
Naphthalene .. .. .	105	191	85
Benzol .. .. .	10	26	38
Carbolineum .. .. .	55	88	44
France—			
Anthracite .. .. .	2,669,332	2,745,042	2,045,699
Bituminous .. .. .	15,673,802	21,495,624	16,343,165
Lignite .. .. .	18,109	51	18,935
Coke .. .. .	2,520,856	3,799,360	2,324,241
Coal briquettes .. .. .	607,059	949,356	791,369
Brown-coal briquettes .. .. .	378,268	378,915	226,309
Tar and pitch .. .. .	804,816	796,269	678,960
Naphthalene .. .. .	3,614	4,902	2,344
Carbolic acid, etc. .. .. .	1,203	1,165	1,445
Benzol .. .. .	29,379	44,318	35,577
Heavy coal-tar oils .. .. .	47,306	41,530	36,411
Germany—			
Coal .. .. .	4,221,293	4,511,034	4,891,495
Brown coal .. .. .	1,618,126	1,807,764	1,252,039
Coke .. .. .	652,901	541,133	581,983
Coal briquettes .. .. .	90,163	111,409	107,085
Brown-coal briquettes .. .. .	77,945	115,288	59,910
Tar and pitch .. .. .	640	739	1,342
Naphthalene .. .. .	220	15	94
Carbolic acid .. .. .	1,010	1,598	684
Cresol .. .. .	1,668	798	312
Light coal-tar oils, etc. .. .. .	57,053	36,694	44,926
Heavy coal-tar oils, etc. .. .. .	4,527	1,954	2,396
Greece—			
Coal .. .. .	855,005	881,035	882,461
Coke .. .. .	63,115	72,565	76,407
Naphthalene .. .. .	567	989	901
Pitch .. .. .	562	689	666
Benzol .. .. .	80	394	121

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Coal .. .. .	187,815	204,810	192,050
Lignite .. .. .	422	596	591
Coke .. .. .	268,827	365,078	322,598
Tar and pitch .. .. .	10,546	16,695	14,731
Benzol .. .. .	131	186	170
Carbolic acid and cresol .. .. .	8	12	61
Iceland—			
Coal .. .. .	151,514	175,328	(a)
Coke .. .. .	5,797	1,063	(a)
Tar and pitch .. .. .	42	29	(a)
Carbolineum .. .. .	11	13	(a)
Italy—			
Anthracite .. .. .	634,231	720,768	646,377
Bituminous coal .. .. .	7,841,453	11,552,185	11,024,945
Lignite .. .. .	25,038	76,142	43,930
Coke .. .. .	1,056,281	334,695	201,511
Coal briquettes .. .. .	70,205	16,198	9,339
Brown-coal briquettes .. .. .	10,668	685	—
Tar and tar oils .. .. .	10,586	11,027	10,876
Carbolic acid and cresylic acid .. .. .	381	629	1,011
Naphthalene .. .. .	2,517	2,649	2,805
Benzol, toluol and xylol .. .. .	8,062	8,486	5,847
Latvia—			
Coal .. .. .	633,997	585,512	597,144
Coke .. .. .	65,939	70,273	69,920
Tar and pitch .. .. .	272	105	5
Carbolic acid .. .. .	11	16	3
Naphthalene .. .. .	45	53	42
Benzol .. .. .	5	—	3
Creosote, etc. .. .. .	1,025	938	809
Lithuania—			
Anthracite .. .. .	1,696	5,192	6,044
Other coal .. .. .	247,265	276,539	277,322
Coke .. .. .	16,468	19,614	17,966
Briquettes .. .. .	6	22	43
Carbolic acid .. .. .	4	4	7
Naphthalene .. .. .	17	36	30
Tar .. .. .	945	1,214	1,325
Benzol .. .. .	16	53	62
Carbolineum .. .. .	5	11	4

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Coal (b) .. .. .	7,177,718	8,138,113	7,606,180
Brown coal .. .. .	88	51	108
Coke .. .. .	367,957	419,628	325,356
Briquettes .. .. .	330,012	321,339	314,737
Brown-coal briquettes .. .. .	132,148	130,005	131,148
Tar .. .. .	4,645	13,504	14,995
Creosote .. .. .	2	6,474	19,267
Naphthalene .. .. .	744	1,054	831
Carbolic acid .. .. .	242	201	94
Benzol .. .. .	6,197	393	220
Toluol and xylol .. .. .	307	368	560
Carbolineum .. .. .	542	710	1,244
Naphtha .. .. .	115	75	122
Asphalt .. .. .	480	406	368
Norway—			
Coal .. .. .	2,254,215	2,606,617	2,233,745
Coke .. .. .	398,169	372,674	340,823
Tar and pitch, etc. .. .. .	6,950	8,447	9,041
Creosote, etc. .. .. .	5,033	5,429	3,131
Poland—			
Anthracite .. .. .	7,813	5,168	2,239
Bituminous coal .. .. .	86,462	85,675	100,586
Coke .. .. .	64,621	81,062	65,750
Briquettes .. .. .	7,405	7,905	8,558
Tar and pitch .. .. .	7,054	9,547	5,497
Creosote, etc. .. .. .	5	345	730
Benzol .. .. .	1	459	1
Carbolic acid, etc. .. .. .	18	4	11
Portugal—			
Anthracite .. .. .	167,501	192,401	157,527
Other coal .. .. .	867,229	1,094,555	939,342
Coke .. .. .	35,089	39,144	27,854
Briquettes .. .. .	12,221	13,031	3,269
Tar and pitch .. .. .	589	1,149	(a)
Carbolic acid .. .. .	1	9	(a)
Naphthalene .. .. .	45	102	(a)

(a) Information not available.

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

1936 .. .. .	2,384,232 long tons.
1937 .. .. .	2,814,030 " "
1938 .. .. .	2,768,774 " "

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Anthracite .. .. .	220	28	(a)
Bituminous coal .. .. .	22,510	27,395	26,508
Coke .. .. .	38,146	47,903	61,950
Brown coal .. .. .	103	110	(a)
Naphthalene .. .. .	302	357	370
Benzol .. .. .	268	489	613
Tar .. .. .	8	32	(a)
Creosote, etc. .. .. .	2,855	5,918	121
Carbolic acid .. .. .	50	84	(a)
Sweden—			
Anthracite .. .. .	96,186	130,203	75,373
Bituminous coal .. .. .	5,431,547	6,371,531	5,606,576
Coke .. .. .	2,044,894	2,294,628	1,908,940
Briquettes .. .. .	9,187	24,588	20,132
Tar, pitch, etc. .. .. .	3,654	3,130	1,621
Benzol .. .. .	1,225	1,269	3,247
Carbolic acid, etc. . . . .	8,162	8,910	10,063
Switzerland—			
Coal .. .. .	1,822,685	2,066,066	1,885,306
Lignite .. .. .	472	361	183
Coke .. .. .	835,751	932,648	872,796
Briquettes .. .. .	468,868	432,173	525,725
Tar and pitch .. .. .	24,049	27,608	30,665
Creosote, etc. .. .. .	894	1,187	1,507
Naphthalene, etc. . . . .	9,466	12,069	11,028
U.S.S.R.—			
Coal .. .. .	1,960	11,856	—
Coke and briquettes .. .. .	15	13	—
Yugoslavia—			
Anthracite .. .. .	29,951	29,560	28,665
Bituminous coal .. .. .	138,534	156,270	201,697
Lignite .. .. .	24	—	—
Brown coal .. .. .	1,348	891	4,252
Coke .. .. .	129,800	218,920	237,393
Briquettes .. .. .	206	482	17,910
Tar .. .. .	1,394	327	1,612
Light oils .. .. .	158	113	198
Heavy oils .. .. .	6,239	10,215	14,416
Naphthalene, etc. . . . .	361	873	525
Carbolic acid, etc. . . . .	21	40	37

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (Cont.)</b>			
Algeria—			
Coal (b) .. .. .	519,615	583,694	569,196
Coke .. .. .	1,079	1,520	1,594
Briquettes .. .. .	242,575	104,065	120,274
Tar and pitch .. .. .	4,823	5,757	7,191
Benzol .. .. .	194	263	128
Naphthalene .. .. .	82	115	128
Heavy oils .. .. .	210	261	463
Angola—			
Coal .. .. .	33,702	26,500	25,581
Coke .. .. .	246	(a)	(a)
Tar and pitch .. .. .	193	(a)	(a)
Belgian Congo—			
Coal .. .. .	6,493	58,728	22,479
Coke .. .. .	44,569	74,133	69,227
Briquettes .. .. .	24,868	29,991	39,261
Tar .. .. .	(a)	117	209
Cameroon (French)—			
Coal and briquettes .. .. .	1,283	6,006	7,098
Cape Verde Islands—			
Coal (c) .. .. .	(a)	(a)	122,359
Egypt—			
Coal .. .. .	967,333	1,277,621	1,390,684
Coke .. .. .	17,892	14,332	16,264
Briquettes .. .. .	45,780	51,639	56,911
Tar and pitch .. .. .	1,438	154	116
Naphthalene .. .. .	67	190	173
French Equatorial Africa—			
Coal and briquettes .. .. .	13,921	20,161	10,384
French Somaliland—			
Coal and briquettes .. .. .	19,243	49,455	19,568
French Togoland—			
Coal and briquettes .. .. .	4,441	3,031	2,995
French West Africa—			
Coal and briquettes (c) .. .. .	263,857	392,711	95,999
Tar .. .. .	236	207	(a)
Libya—			
Coal and briquettes .. .. .	44,342	43,221	53,906
Madagascar—			
Coal .. .. .	16,005	17,259	29,023
Coke .. .. .	60	1,008	(a)
Tar .. .. .	257	180	(a)

(a) Information not available.

(b) Total imports (chiefly for bunkering purposes) were :—

1936 .. .. 1,217,745 long tons.

1937 .. .. 1,361,349 „

1938 .. .. 1,153,193 „

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

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Morocco (French)—			
Anthracite .. .. .	1,456	959	} 135,639
Other coal .. .. .	89,836	122,526	
Coke .. .. .	3,723	3,725	
Briquettes .. .. .	33,648	31,606	
Tar .. .. .	4,953	4,168	
Benzol, etc. .. .. .	38	79	(a)
Morocco (Spanish)—			
Anthracite .. .. .	195	36	12
Other coal .. .. .	6,881	5,268	8,501
Coke .. .. .	485	792	61
Briquettes .. .. .	32	1,848	2
Tar .. .. .	4	8	26
Mozambique—			
Coal .. .. .	104,133	103,748	125,182
Coke .. .. .	108	100	(a)
Tar and pitch .. .. .	120	136	143
Naphthalene .. .. .	2	4	(a)
Réunion—			
Coal .. .. .	8,770	7,394	(a)
Coke .. .. .	60	180	(a)
Tunis—			
Coal .. .. .	171,152	232,367	207,054
Coke .. .. .	10,809	9,410	7,702
Briquettes .. .. .	19,718	10,438	19,517
Tar .. .. .	2,374	5,551	6,310
Costa Rica (b)—			
Coal .. .. .	(a)	(a)	3,046
Cuba (b)—			
Coal .. .. .	309,867	339,444	(a)
Coke .. .. .	44,737	36,015	(a)
Creosote oil .. .. .	73	157	(a)
Tar .. .. .	297	302	(a)
Benzol .. .. .	—	67	(a)
Dominican Republic (b)—			
Coal, coke, briquettes, etc. ..	4,319	2,543	1,523

(a) Information not available.

(b) Total imports.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
French West Indies—			
Guadeloupe—			
Coal and coke .. .. .	2,119	(a)	4,018
Martinique—			
Coal .. .. .	11,169	7,869	(a)
Guatemala—			
Coal .. .. .	491	705	301
Coke .. .. .	24	49	25
Tar and pitch .. .. .	44	34	32
Haiti (years ended September 30)—			
Coal .. .. .	27	27	36
Honduras (years ended July 31)—			
Coal .. .. .	447	392	(a)
Mexico—			
Coal .. .. .	11,724	11,667	13,122
Coke .. .. .	5,290	700	906
Tar and pitch .. .. .	60	60	42
Benzol .. .. .	3	5	4
Creosote .. .. .	(a)	6,602	3,197
Netherlands West Indies—			
Coal .. .. .	706	3,037	(a)
Coke .. .. .	—	67	(a)
Nicaragua (total imports)—			
Coal and coke .. .. .	135	173	54
St. Pierre and Miquelon—			
Coal .. .. .	16,300	23,340	(a)
United States—			
Anthracite .. .. .	548,785	353,337	324,013
Bituminous coal .. .. .	223,218	195,947	165,079
Slack, culm and lignite .. .. .	19,459	34,407	50,372
Coke .. .. .	294,606	255,682	120,750
Briquettes .. .. .	18,170	5,959	12,334
Tar and pitch .. .. .	7,405	4,492	18,123
Benzene .. .. .	2,068	2,448	2,389
Cresylic acid .. .. .	6,292	7,638	4,873
Creosote oil .. .. .	164,221	230,911	219,808
Naphthalene .. .. .	17,770	23,513	13,378
Carbolic acid .. .. .	32	35	263

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Coal .. .. .	2,591,349	3,026,272	2,743,268
Coke .. .. .	36,062	46,573	34,539
Briquettes .. .. .	175,665	41,142	36,707
Tar and pitch .. .. .	112	93	99
Naphthalene .. .. .	419	796	579
Carbolic acid .. .. .	282	412	510
Creolin .. .. .	116	73	40
Heavy coal-tar oils .. .. .	1,352	1,738	1,006
Bolivia—			
Coal .. .. .	(a)	30,581	(a)
Brazil (total imports)—			
Coal .. .. .	1,269,658	1,492,421	1,359,704
Coke .. .. .	26,600	42,111	28,504
Briquettes .. .. .	112,314	146,347	162,898
Chile—			
Coal .. .. .	17,632	90	(a)
Coke .. .. .	8,672	11,931	6,696
Naphthalene .. .. .	17	60	(a)
Carbolic acid and cresol .. .. .	949	1,388	(a)
Colombia—			
Coal .. .. .	428	586	472
Tar and pitch .. .. .	104	390	66
Naphthalene .. .. .	13	21	20
Cresol, creolin, etc. .. .. .	100	129	169
Dutch Guiana—			
Coal .. .. .	3,713	4,334	(a)
Coke .. .. .	—	51	(a)
French Guiana—			
Coal .. .. .	91	16	39
Coke .. .. .	5	14	39
Peru—			
Coal .. .. .	22,270	11,935	9,890
Coke .. .. .	2,528	3,228	3,045
Tar .. .. .	137	140	47
Naphthalene .. .. .	12	29	29
Uruguay—			
Coal .. .. .	321,456	411,470	328,581
Naphthalene .. .. .	58	48	49
Venezuela—			
Coal .. .. .	5,079	9,506	(a)
Naphthalene .. .. .	12	13	(a)

(a) Information not available.



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
China—			
Anthracite .. .. .	291,565	265,567	458,189
Other coal .. .. .	258,240	152,522	614,579
Coke .. .. .	1,944	3,440	1,406
Briquettes .. .. .	2,026	2,074	1,830
Tar and pitch .. .. .	2,842	2,210	1,154
Benzol .. .. .	1,470	861	128
Carbolic acid .. .. .	631	718	232
Naphthalene .. .. .	825	1,326	639
Formosa—			
Coal .. .. .	20,472	37,803	(a)
Coke .. .. .	4,006	2,108	(a)
French Indo-China—			
Coal .. .. .	18,344	13,237	13,122
Coke .. .. .	426	518	701
Tar and pitch .. .. .	5,461	17,880	9,817
Naphthalene .. .. .	46	90	34
Iran (total imports) (b)—			
Coal, coke and peat .. .. .	949	525	282
Iraq—			
Coal .. .. .	3,431	2,544	2,892
Coke .. .. .	354	311	307
Tar and pitch .. .. .	22	68	89
Japan (total imports)—			
Coal .. .. .	4,134,352	4,356,465	3,682,531
Coke .. .. .	8,583	11,985	20,275
Carbolic acid .. .. .	51	(a)	(a)
Naphthalene .. .. .	5,644	(a)	(a)
Distillates .. .. .	9,986	(a)	(a)
Korea (total imports)—			
Coal .. .. .	1,543,772	1,623,038	1,873,107
Coke .. .. .	71,193	55,066	64,809
Tar and pitch .. .. .	1,063	2,768	28,829
Manchuria—			
Coal and briquettes .. .. .	60,376	85,953	58,125
Coke .. .. .	(a)	(a)	11,592
Tar .. .. .	120	173	(a)

(a) Information not available.

(b) Years ended June 21.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands East Indies—			
Coal .. .. .	66,534	56,026	78,588
Coke .. .. .	2,372	3,403	4,183
Tar .. .. .	2,256	3,510	(a)
Benzol .. .. .	15	26	(a)
Carbolineum .. .. .	230	149	(a)
Carbolic acid .. .. .	28	37	(a)
Creolin, etc. .. .. .	176	170	(a)
Naphthalene .. .. .	308	327	(a)
Asphalt .. .. .	12	2	(a)
Philippine Islands—			
Coal .. .. .	362,979	259,352	251,010
Coke .. .. .	2,293	2,377	3,937
Tar .. .. .	(a)	(a)	109
Creosote .. .. .	(a)	(a)	4
Carbolic acid .. .. .	4	—	2
Portuguese India—			
Coal .. .. .	(a)	(a)	7,303
Siam (total imports)—			
Coal .. .. .	43,899	43,108	52,391
Coke .. .. .	2,244	1,977	2,704
Syria and Lebanon—			
Coal .. .. .	70,438	96,720	97,819
Briquettes .. .. .	43,166	40,471	42,681
Coke .. .. .	2,147	2,782	2,350
Tar .. .. .	9	72	203
Naphthalene .. .. .	15	48	63
Turkey—			
Anthracite .. .. .	7,843	5,762	2
Coal, peat and briquettes .. .. .	5,251	26,968	48,578
Coke .. .. .	26,623	6,594	36,766
Creosote .. .. .	1,217	5,873	4,929
Cresol and naphthalene .. .. .	1,166	1,062	703
New Caledonia—			
Coal .. .. .	86,144	100,493	135,483
Coke .. .. .	2,170	27,770	(a)

(a) Information not available.

## COBALT

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### PRODUCTION OF COBALT

(Cwt.)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Northern Rhodesia .. ..	9,078	17,409	28,762
Canada (c) .. .. .	7,925	4,527	4,100
Burma (b) .. .. .	5,910	5,475	4,034
<b>FOREIGN COUNTRIES</b>			
Belgian Congo .. ..	13,480	(d) 30,000	(d) 26,000
French Morocco (estimated)	7,700	10,900	13,500
Mexico .. .. .	—	—	17
Bolivia .. .. .	—	6	(a)

Complex ores containing cobalt are produced in Finland, Germany, Greece, Japan and China, but figures of cobalt content are not available.

(a) Information 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) Estimated.

## EXPORTS OF COBALT, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys ..	85	119	78
Cobalt oxide .. ..	507	169	46
Northern Rhodesia—			
Cobalt alloy .. ..	18,500	37,089	72,125
Canada—			
Cobalt ore ( <i>Co content</i> ) ..	4,698	825	593
Cobalt .. .. .	21	68	746
Cobalt alloys .. .. .	386	464	444
Cobalt oxides and salts ..	4,326	5,338	3,414
Australia—			
Cobalt ore .. .. .	44	452	492
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.(b)—			
Cobalt oxide and pigments	5,947	5,287	1,502
Cobalt salts .. .. .	827	476	400
Czecho-Slovakia—			
Zaffre and smalt .. ..	2	2	6
France—			
Cobalt salts .. .. .	880	1,522	1,811
Belgian Congo—			
Cobalt-copper alloy ..	(a)	85,066	106,300
Morocco (French)—			
Ore .. .. .	78,925	69,556	103,493
Bolivia—			
Cobalt ore ( <i>Co content</i> ) ..	(a)	6	(a)

*(a)* Information not available.*(b)* Exports of cobalt metal are not separately recorded, but imports into the United States from Belgium were as follows:—

1936 ..	7,776 cwt.
1937 ..	8,185 „
1938 ..	„

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Rondels, pellets and squares	4,361	3,989	6,599
Other kinds, including			
alloys .. ..	1,486	963	1,456
Cobalt oxide .. ..	4,446	3,592	2,956
Canada—			
Ore .. ..	—	3	—
Cobalt oxide .. ..	4	6	7
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt oxide and pigments	510	812	1,333
Cobalt salts .. ..	140	224	183
Bulgaria—			
Cobalt oxide .. ..	—	1	—
Czecho-Slovakia—			
Zaffre and smalt .. ..	305	405	252
France—			
Cobalt ore .. ..	6,929	21,974	8,915
Cobalt oxide, including			
zaffre and smalt .. ..	30	240	22
Cobalt salts .. ..	22	16	45
Italy—			
Cobalt oxide .. ..	474	508	276
Poland—			
Cobalt salts .. ..	218	287	189
Roumania—			
Cobalt oxide .. ..	47	78	(a)
U.S.S.R.—			
Cobalt .. ..	827	(a)	(a)
Cobalt oxide .. ..	591	(a)	(a)
Mexico—			
Cobalt .. ..	2,072	—	12
United States—			
Cobalt ore .. ..	9,284	5,246	3,571
Cobalt metal .. ..	7,887	9,582	8,379
Cobalt oxide .. ..	7,265	7,525	3,332
Cobalt salts .. ..	417	505	374

(a) Information not available.

## IMPORTS OF COBALT, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Uruguay—			
Cobalt oxide .. ..	7	9	10
French Indo-China—			
Ore .. ..	30	20	89
Cobalt oxide .. ..	22	12	57
Japan (total imports)—			
Cobalt oxide .. ..	2,005	(a)	(a)
Manchuria—			
Cobalt oxide .. ..	(a)	(a)	81
Turkey—			
Cobalt salts.. ..	4	6	5

(a) Information not available.

## COPPER

## PRODUCTION OF COPPER ORE

(In terms of metal)

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	62	36	36
Northern Rhodesia .. .. .	170,728	245,888	250,877
Southern Rhodesia .. .. .	10	—	5
South West Africa (c) .. .. .	—	11,600	8,750
Union of South Africa .. .. .	8,925	11,209	11,127
Canada (e) .. .. .	187,959	236,620	255,022
Newfoundland .. .. .	5,258	8,326	7,926
Burma (estimated) .. .. .	4,000	3,700	3,500
Cyprus (estimated) .. .. .	16,351	27,027	34,000
Federated Malay States .. .. .	21	—	—
India (estimated) .. .. .	7,500	7,100	5,500
Australia .. .. .	18,561	19,127	19,446
Total .. .. .	420,000	570,000	600,000
FOREIGN COUNTRIES			
Austria .. .. .	12	12	(a)
Bulgaria .. .. .	—	20	100
Czecho-Slovakia (d) .. .. .	341	698	(a)
Finland .. .. .	11,760	12,600	13,100
France .. .. .	523	582	(a)
Germany .. .. .	26,481	29,769	30,000
Greece .. .. .	—	300	(a)
Hungary .. .. .	119	(a)	(a)
Italy .. .. .	633	1,125	(a)
Norway .. .. .	22,249	19,760	20,700
Portugal .. .. .	(b) 2,000	5,518	4,807
Roumania .. .. .	635	563	(a)
Spain (estimated) .. .. .	25,000	27,000	30,000
Sweden .. .. .	7,975	7,061	9,142
U.S.S.R. (estimated) .. .. .	82,000	90,000	100,000
Yugoslavia .. .. .	39,000	41,600	48,700
Algeria .. .. .	197	382	(a)
Belgian Congo (smelter) .. .. .	94,156	148,210	121,985
Morocco (Spanish) .. .. .	(a)	83	—

(a) Information not available.

(b) Estimated.

(c) Years ended March 31 following.

(d) Cu content of iron ores.

(e) Amount estimated as recoverable.

## PRODUCTION OF COPPER ORE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Cuba .. .. .	11,447	12,983	14,203
Honduras .. .. .	—	94	81
Mexico (b) .. .. .	29,244	45,350	41,190
United States (b) .. .. .	548,674	751,784	498,003
Argentina .. .. .	—	28	(a)
Bolivia (exports) .. .. .	3,198	3,641	2,839
Chile (b) .. .. .	252,162	410,000	345,821
Panama .. .. .	22	—	—
Peru .. .. .	32,825	42,693	(c)37,154
Formosa (estimated).. .. .	4,000	(a)	(a)
Japan .. .. .	(d) 76,505	(c) 75,000	(c) 80,000
Korea .. .. .	3,600	(a)	(a)
Philippine Islands .. .. .	—	1,000	3,472
Turkey .. .. .	—	400	2,449
Total .. .. .	1,280,000	1,730,000	1,420,000
WORLD'S TOTAL .. .. .	1,700,000	2,300,000	2,020,000

(a) Information not available.

(b) Amount estimated as recoverable.

(c) Estimated.

(d) Smelter production.



## METAL PRODUCTION OF COPPER

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom (b) .. .. .	9,300	7,400	7,100
Northern Rhodesia .. .. .	142,333	208,187	213,031
Union of South Africa .. .. .	9,865	13,092	13,255
Canada (c) .. .. .	170,674	208,187	212,326
India .. .. .	7,200	6,830	5,330
Australia .. .. .	13,313	17,400	17,098
Total	353,000	461,000	468,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	1,771	2,041	(d)
Belgium .. .. .	57,842	88,834	(a)
Czecho-Slovakia .. .. .	1,086	1,981	(a)
Finland .. .. .	6,531	10,428	11,822
France .. .. .	239	1,027	(a)
Germany (f) .. .. .	60,300	64,400	(d)67,700
Italy .. .. .	462	1,446	2,916
Norway .. .. .	8,233	8,171	10,300
Spain (estimated) .. .. .	10,000	10,000	12,000
Sweden .. .. .	10,082	9,940	11,106
U.S.S.R. (estimated) .. .. .	82,000	90,000	95,000
Yugoslavia .. .. .	38,778	38,788	41,330
Belgian Congo .. .. .	94,156	148,210	121,985
Mexico .. .. .	27,942	(e) 45,000	39,950
United States .. .. .	583,285	807,377	561,758
Chile .. .. .	241,409	406,659	332,187
Peru .. .. .	32,030	34,483	(g)35,403
Japan .. .. .	76,505	86,215	(e)100,000
Korea .. .. .	3,579	5,041	(a)
Total ..	1,340,000	1,860,000	1,540,000
WORLD'S TOTAL .. .. .	1,690,000	2,320,000	2,010,000

(a) Information not available.

(b) Includes some copper going direct into sulphate production.

(c) Copper content of blister copper.

(d) Austria included with Germany.

(e) Estimated.

(f) *Metallgesellschaft* figures.

(g) Exports.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc. . . . .	470	553	389
Bars and ingots . . . . .	16,961	13,077	10,468
Scrap . . . . .	14,583	12,832	11,627
Plates, sheets, etc. . . . .	4,535	8,681	4,365
Rods and wire . . . . .	11,392	11,973	12,347
Tubes . . . . .	1,439	1,258	1,299
Sulphate . . . . .	26,486	28,893	30,907
Northern Rhodesia—			
Ore and concentrates . . . . .	10	24	61
Blister, etc. . . . .	141,200	197,537	219,421
South West Africa—			
Copper-lead ore and copper matte	—	32,448	45,699
Union of South Africa—			
Ore and concentrates . . . . .	26	79	—
Bars, plates, etc. . . . .	8,917	10,305	10,146
Canada—			
Ore, matte, etc. ( <i>Cu content</i> ) . . . . .	20,321	32,977	49,021
Blister . . . . .	—	4,859	13,628
Scrap . . . . .	3,620	2,478	1,535
Ingots, etc. . . . .	138,777	132,206	162,290
Rods sheets, tubes, etc. . . . .	21,497	22,868	23,890
Newfoundland—			
Concentrates . . . . .	9,452	27,875	(e) 36,466
British India—			
Matte, etc. . . . .	7,663	2,536	158
British Malaya (including re-exports)—			
Ingots, sheets, wire, etc. . . . .	86	26	24
Burma—			
Matte, etc. . . . .	(b)	(b) 5,442	5,766
Cyprus—			
Ore, pyrites, etc. ( <i>Cu content</i> ) (c) . . . . .	16,351	27,027	34,000
Hong Kong (including re-exports)—			
Bars, sheets, tubes and wire . . . . .	414	152	1,154
Sulphate . . . . .	3	2	5
Australia—			
Ore, etc. ( <i>Cu content</i> ) (d) . . . . .	2,179	1,978	2,252
Matte . . . . .	1,000	2,240	1,738
Blocks and ingots . . . . .	19	43	21
Bars, sheets, wire, etc. . . . .	3,534	166	161

(b) Included with India prior to April 1, 1937. (c) Estimated.  
(d) Years ended June 30. (e) Year ended June 30.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Rough copper and scrap .. ..	1,217	1,814	1,073
Bars, sheets, wire, etc. .. ..	691	1,238	779
Sulphate .. .. .	7	2	1
Belgium-Luxemburg E.U.—			
Ore .. .. .	210	11	23
Rough copper and scrap .. ..	78,203	114,093	118,118
Sheets, wire, etc. .. .. .	7,144	10,105	9,265
Sulphate .. .. .	24,210	23,888	24,746
Czecho-Slovakia—			
Ore .. .. .	—	—	713
Crude, refined and scrap .. ..	2,223	2,351	7,273
Sheets, rods, wire, etc. .. ..	124	175	269
Denmark—			
Crude, scrap and alloyed .. ..	42	218	(a)
Bars, sheets, wire, etc. .. ..	93	167	(a)
Estonia—			
Crude and scrap .. .. .	149	56	102
Finland—			
Ore .. .. .	21,966	5,486	271
Rough copper and scrap .. ..	6,847	11,716	13,148
France—			
Ore, matte, etc. .. .. .	2,536	11,255	15,106
Ingots, alloys, etc. .. .. .	1,650	1,703	2,233
Scrap .. .. .	5,590	10,246	9,495
Bars, sheets and wire .. .. .	5,403	9,708	8,183
Sulphate .. .. .	9,654	9,072	4,828
Germany—			
Ore, including burnt cupreous pyrites .. .. .	5,422	4,487	5,536
Rough copper .. .. .	3,837	7,044	349
Coin and scrap .. .. .	—	6	—
Bars, sheets, wire, etc. .. ..	27,326	26,027	20,958
Sulphate, including ferrous sul- phate .. .. .	5,742	6,934	2,482
Greece—			
Ore .. .. .	—	—	3,209
Scrap .. .. .	(a)	399	64
Hungary—			
Bars, sheets, wire, etc. .. ..	823	705	611

(a) Information not available.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore .. .. .	50	87	73
Ingots, scrap and alloys .. .. .	8	7	12
Bars, sheets, wire, etc., and alloys	1,424	955	819
Sulphate .. .. .	212	4,847	8,382
Netherlands—			
Ingots and bars .. .. .	130	1,397	895
Scrap .. .. .	2,056	1,804	1,433
Sheets, tubes and wire .. .. .	1,423	2,405	1,700
Sulphate .. .. .	14	46	36
Norway—			
Ore .. .. .	3,581	5,040	5,795
Matte .. .. .	14,251	16,545	15,610
Cupreous pyrites .. .. .	337,364	293,536	252,792
Burnt cupreous pyrites .. .. .	19,295	31,289	25,763
Refined copper .. .. .	7,360	6,335	8,596
Scrap, including brass .. .. .	2,482	2,879	1,680
Sheets, tubes, wire, etc. .. .. .	63	157	145
Poland—			
Ore .. .. .	402	193	452
Ingots, bars, precipitate and scrap	35	3	10
Sheets, tubes and wire .. .. .	43	33	59
Sulphate .. .. .	481	225	344
Portugal—			
Ore .. .. .	—	29	(a)
Cupreous pyrites .. .. .	340,699	500,252	449,572
Precipitate .. .. .	335	203	(a)
Rough copper, sheets, etc. .. .. .	(a)	78	(a)
Sulphate .. .. .	81	162	(a)
Sweden—			
Ore .. .. .	3,600	3,641	4,882
Rough copper .. .. .	6,588	5,933	8,279
Scrap, including brass .. .. .	6,077	6,222	6,598
Sheets, tubes, wire, etc. .. .. .	10,939	8,948	11,337
Sulphate .. .. .	—	1	3
Switzerland—			
Ore, filings and turnings .. .. .	1,232	2,861	1,341
Bars, ingots, etc (c) .. .. .	308	188	153
Scrap (c) .. .. .	1,440	1,374	942
Sheets, tubes, wire, etc. (c) .. .. .	5,580	10,485	8,784

(a) Information not available.

(c) Including alloys.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
U.S.S.R.—			
Ingots, bars, sheets, etc. ..	28	60	(b)35
Yugoslavia—			
Ore .. .. .	—	24	1,079
Ingots, etc. .. .. .	37,064	36,541	31,025
Sulphate .. .. .	72	75	4
Algeria—			
Bars, sheets and wire .. ..	5	23	4
Scrap .. .. .	1,004	1,521	1,169
Sulphate .. .. .	15	4	35
Belgian Congo—			
Ore .. .. .	—	5	1
Copper-cobalt alloy .. .. .	(a)	4,253	5,315
Matte .. .. .	76,982	108,956	82,308
Ingots, etc... .. .	45,270	68,118	70,116
Egypt—			
Rough copper and scrap .. ..	—	186	1
French Equatorial Africa—			
Ore .. .. .	113	149	(a)
Morocco (French)—			
Scrap .. .. .	351	922	(a)
Morocco (Spanish)—			
Ore .. .. .	—	648	(a)
Tunis (including re-exports)—			
Ore .. .. .	78	—	—
Cuba—			
Ore .. .. .	43,305	39,597	51,189
Scrap .. .. .	276	317	(a)
Mexico—			
Ores, concentrates, etc. (Cu content)	1,776	6,589	2,754
Bars, etc. (Cu content) .. ..	27,366	42,012	35,518
United States—			
Ores, matte, blister, etc. (Cu content)	3,022	3,650	895
Refined ingots, etc. .. ..	196,777	263,450	330,844
Scrap .. .. .	11,807	18,673	19,474
Sheets, rods, wire, etc. .. ..	17,683	20,094	19,118
Sulphate .. .. .	4,792	10,504	13,951
Argentina—			
Ore .. .. .	35	78	81
Ingots, sheets and scrap .. ..	148	385	53
Bolivia—			
Ore, etc. (Cu content) .. ..	3,198	3,634	2,839

(a) Information not available.

(b) January to September only.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Chile—			
Ore and concentrates .. ..	77,775	161,156	98,400
Precipitate .. .. .	203	228	100
Ingots—			
Blister .. .. .	127,527	194,075	162,512
Electrolytic .. .. .	107,932	184,671	181,291
Peru—			
Ore ( <i>Cu content</i> ) .. .. .	708	736	1,707
Matte, etc. ( <i>do.</i> ) .. .. .	21	36	42
Bars ( <i>do.</i> ) .. .. .	31,338	34,247	35,403
Precipitate ( <i>do.</i> ) .. .. .	16	971	1
Venezuela—			
Ore .. .. .	—	15	(a)
Scrap .. .. .	180	(a)	(a)
China—			
Ingots and scrap .. .. .	—	—	275
French Indo-China—			
Ingots, sheets, wire, alloys, etc. ..	2	40	3
Scrap .. .. .	79	161	6
Formosa—			
Copper .. .. .	722	(a)	(a)
Japan—			
Ingots and blocks .. .. .	7	5	19
Bars, rods and tubes .. .. .	748	502	354
Plates, sheets and wire .. .. .	9,462	11,846	6,097
Sulphate .. .. .	(a)	219	290
Korea—			
Ingots .. .. .	2,140	2,740	4,041
Manchuria—			
Ingots and slabs .. .. .	1,022	1,484	(a)
Scrap .. .. .	1,523	2,667	(a)
Netherlands East Indies—			
Scrap .. .. .	2,081	3,856	1,076
Philippine Islands—			
Ore .. .. .	6	15,170	23,818
Concentrates (auriferous) .. .. .	—	(b)4,020	—
Matte and bullion .. .. .	—	—	1,099
Scrap .. .. .	407	311	331
Syria and Lebanon—			
Ore .. .. .	60	—	—
Ingots and scrap .. .. .	122	263	64
Turkey—			
Ingots, scrap and alloys.. .. .	489	503	1,949

(a) Information not available.

(b) July-December only.

## IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Bars, ingots, etc.—			
Electrolytic .. .. .	116,551	103,627	126,054
Other .. .. .	107,873	189,610	133,561
Scrap .. .. .	1,804	3,610	2,270
Plates, sheets, etc. .. .. .	3,632	2,325	2,345
Rods .. .. .	17,483	18,127	16,967
Tubes .. .. .	2,509	2,553	3,311
Wire .. .. .	898	910	1,058
Sulphate .. .. .	50	105	195
Eire—			
Bars, sheets, wire, etc. .. .. .	1,719	2,022	3,502
Sulphate .. .. .	3,163	3,269	3,364
Kenya and Uganda—			
Sheets and wire .. .. .	18	37	35
Mauritius—			
Bars, sheets, scrap, etc. .. .. .	116	62	84
Southern Rhodesia—			
Ingots, bars and rods .. .. .	37	49	48
South West Africa—			
Bars, sheets, pipes, wire, etc. .. .. .	3	5	3
Tanganyika Territory—			
Sheets and wire .. .. .	167	93	25
Union of South Africa—			
Bars, ingots and slabs .. .. .	2,631	2,179	3,359
Plates, sheets and tubes .. .. .	919	1,089	894
Wire .. .. .	91	151	38
Canada—			
Blocks, pigs and ingots .. .. .	85	7	5
Bars, sheets, wire, etc. .. .. .	785	1,255	823
Scrap .. .. .	3	2	39
Sulphate .. .. .	2,031	2,529	1,988
British West Indies (Barbados)—			
Bars and sheets .. .. .	(£694)	(£1,220)	(£325)
British Honduras—			
Sheets and rods .. .. .	(£231)	(£299)	(£298)
British India—			
Ore .. .. .	—	10	—
Ingots, cakes, blocks, etc. .. .. .	858	2,345	2,513
Scrap .. .. .	119	78	695
Sheets, tubes, wire, etc. .. .. .	9,980	15,322	7,779
Sulphate .. .. .	1,676	1,761	1,456
Copper (government stores) .. .. .	1,037	3,083	2,254

255,761

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British Malaya (total imports)—			
Ingots, sheets, wire, etc. .. ..	798	880	858
Burma—			
Ingots, etc. .. ..	(b)	(b)19	15
Sheets, tubes, wire, etc. .. ..	(b)	(b)101	256
Sulphate .. ..	(b)	(b)82	76
Cyprus—			
Bars, sheets, etc. .. ..	38	30	43
Hong Kong (total imports)—			
Bars, sheets, tubes and wire .. ..	475	435	1,618
Sulphate .. ..	13	10	24
Australia—			
Matte .. ..	—	5	131
Blocks and ingots .. ..	29	19	82
Bars, sheets, wire, etc. .. ..	1,155	1,326	1,484
New Zealand—			
Bars, sheets, pipes, etc. .. ..	1,073	1,050	1,411
Wire (£ N.Z.) .. ..	(£130,102)	(£158,394)	(£194,805)
Sulphate .. ..	45	75	55
FOREIGN COUNTRIES			
Albania—			
Bars and sheets .. ..	59	47	52
Sulphate .. ..	81	101	150
Austria—			
Rough copper and scrap .. ..	11,105	20,709	26,275
Bars, sheets, wire, etc. .. ..	83	101	67
Sulphate .. ..	2	1	—
Belgium-Luxemburg E.U.—			
Ore .. ..	5,736	37,243	39,637
Rough copper and scrap .. ..	132,034	234,620	222,304
Bars, sheets, wire, etc. .. ..	2,596	3,819	4,070
Sulphate .. ..	64	44	29
Bulgaria—			
Ore and matte .. ..	—	—	49
Rough copper and scrap .. ..	543	74	339
Bars, sheets and wire .. ..	462	433	738
Sulphate .. ..	3,279	5,475	8,116
Czecho-Slovakia—			
Ore .. ..	99	—	—
Crude, refined and scrap .. ..	30,633	32,336	37,860
Sheets, rods, wire, etc. .. ..	318	237	330
Denmark—			
Rough, scrap and alloys .. ..	4,320	5,373	3,092
Bars, sheets, wire, etc. .. ..	5,900	4,880	8,356

(b) Included with India prior to April 1, 1937.



## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Ingots, sheets, tubes, etc. ..	263	328	434
Sulphate .. .. .	6	14	17
Finland (total imports)—			
Rough and scrap .. .. .	285	324	383
Bars, sheets, tubes and wire ..	4,506	5,016	6,957
Sulphate .. .. .	65	70	199
France—			
Ore, matte, etc. .. .. .	329	76	48
Ingots, alloys, etc. .. .. .	121,335	120,790	105,938
Scrap .. .. .	9,148	8,178	4,637
Bars, sheets and wire .. .. .	7,915	7,020	2,342
Sulphate .. .. .	24,638	20,771	19,998
Germany—			
Ore and burnt cupreous pyrites ..	474,851	546,803	643,603
Rough copper .. .. .	125,534	167,236	268,098
Coin and scrap .. .. .	23,888	32,186	26,877
Bars, sheets, wire, etc. .. .. .	62	36	12
Sulphate, including ferrous sulphate .. .. .	608	277	209
Greece—			
Rough copper and alloys .. .. .	30	43	25
Sheets, tubes, alloys, etc. .. .. .	1,994	2,934	4,174
Sulphate .. .. .	4,700	7,045	8,330
Hungary—			
Rough copper and scrap .. .. .	9,936	11,765	14,605
Bars, sheets, wire, etc. .. .. .	252	216	190
Sulphate .. .. .	—	197	167
Iceland—			
Bars, tubes, wire, etc. .. .. .	36	26	(a)
Italy—			
Ore .. .. .	9	1	—
Cupreous pyrites .. .. .	2,703	963	4,889
Ingots, scrap and alloys .. .. .	82,123	75,380	76,564
Bars, sheets, wire, etc., and alloys	2,444	3,839	2,498
Sulphate .. .. .	5	515	809
Latvia—			
Ingots, bars and scrap .. .. .	1,064	352	938
Sheets, tubes and wire .. .. .	201	208	237
Lithuania—			
Copper .. .. .	186	454	621
Wire .. .. .	144	162	238

(a) Information not available.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ingots and bars .. .. .	4,953	9,325	9,786
Scrap .. .. .	139	187	384
Sheets, tubes and wire .. .. .	7,532	10,037	8,440
Sulphate .. .. .	4,196	3,068	3,120
Norway—			
Rough copper .. .. .	1,187	701	645
Copper-nickel matte .. .. .	9,078	11,790	13,162
Sheets, rods, etc. .. .. .	926	1,078	721
Tubes (including brass) and wire .. .. .	4,446	3,769	3,962
Sulphate .. .. .	505	670	491
Poland—			
Ore .. .. .	—	91	63
Precipitate and scrap .. .. .	432	544	677
Pigs, bars and ingots .. .. .	14,010	16,999	25,730
Sheets, tubes and wire .. .. .	181	177	239
Portugal—			
Ingots, wire, alloys, etc. .. .. .	3,701	3,863	3,314
Sulphate .. .. .	158	176	137
Roumania—			
Rough and scrap .. .. .	3,294	4,856	8,751
Sheets and wire .. .. .	215	461	188
Sulphate .. .. .	309	299	—
Sweden—			
Ore .. .. .	623	1,102	406
Rough copper .. .. .	40,327	46,711	51,174
Scrap, including brass .. .. .	1,207	2,681	1,720
Sheets, rods, wire, etc. .. .. .	652	479	800
Sulphate .. .. .	324	502	358
Switzerland—			
Ore, filings and turnings .. .. .	1,464	1,872	1,039
Bars, ingots, etc. (b) .. .. .	12,137	20,126	19,071
Scrap (b) .. .. .	307	535	101
Sheets, tubes, wire, etc. (b) .. .. .	4,046	5,183	3,808
U.S.S.R.—			
Ingots, etc. .. .. .	44,545	} 64,765	(c)48,740
Sheets, wire, etc. .. .. .	906		
Yugoslavia—			
Ore .. .. .	—	41	—
Crude, scrap, coin, etc. .. .. .	1,038	793	947
Bars, sheets, wire, etc. .. .. .	1,240	1,331	1,306
Sulphate .. .. .	516	149	352

(b) Including alloys.

(c) January to September only.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Rough and scrap .. .. .	91	180	120
Bars, sheets, wire, etc. .. .. .	1,052	1,105	805
Sulphate .. .. .	13,510	13,888	7,266
Angola—			
Bars, sheets, tubes and wire .. .. .	71	(a)	(a)
Belgian Congo—			
Bars, sheets and wire .. .. .	173	229	192
Sulphate .. .. .	—	5	8
Cameroon (French)—			
Sulphate .. .. .	18	68	44
Egypt—			
Crude and scrap .. .. .	228	(c) 35	471
Bars, sheets, tubes, etc. .. .. .	3,669	2,138	2,430
Sulphate .. .. .	74	81	74
Madagascar—			
Crude, sheets, wire, etc. .. .. .	92	91	36
Morocco (French)—			
Ingots, sheets and wire (b) .. .. .	598	313	(a)
Sulphate .. .. .	275	578	(a)
Mozambique—			
Bars, sheets, wire and alloys .. .. .	44	54	(a)
Tunis—			
Ingots, scrap, etc. (b) .. .. .	28	86	33
Bars, sheets and wire (b) .. .. .	448	741	670
Sulphate .. .. .	750	929	530
Cuba (total imports)—			
Ingots and bars .. .. .	105	124	(a)
Sheets, tubes and wire .. .. .	558	658	(a)
Guatemala—			
Sulphate .. .. .	6	20	1
Mexico—			
Ingots .. .. .	1,157	1,158	906
Bars, sheets, alloys, etc. .. .. .	855	412	289
Sulphate .. .. .	820	1,195	1,331
United States—			
<i>Cu content of—</i>			
Ore and concentrates .. .. .	28,190	24,227	24,722
Matte, precipitate, etc... .. .	334	1,448	1,369
Blister .. .. .	117,198	158,732	146,115
Refined .. .. .	15,037	13,339	8,392
Scrap .. .. .	2,838	5,359	2,524
Sulphate .. .. .	2	15	71

(a) Information not available.

(b) Including alloys.

(c) Excess of re-exports.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Ingots, sheets including bronze ..	4,111	5,020	5,474
Tubes, including bronze .. ..	547	565	466
Sulphate .. .. .	1,901	1,507	1,717
Bolivia—			
Bars and wire .. .. .	(a)	63	(a)
Brazil (total imports)—			
Rough, scrap, alloys, etc. ..	564	3,420	4,177
Plates, sheets, alloys, etc. ..	8,049	6,688	4,141
Tubes, pipes, wire and alloys ..	528	639	431
Sulphate .. .. .	1,681	1,607	947
Chile—			
Bars, sheets and wire .. ..	342	361	306
Colombia—			
Ingots, sheets, etc. .. ..	340	413	292
Wire .. .. .	(b) 1,182	232	720
Sulphate .. .. .	45	71	100
Peru—			
Bars, sheets, etc. (b) .. ..	146	125	112
Sulphate .. .. .	186	328	201
Uruguay—			
Ingots .. .. .	16	13	79
Bars and sheets .. .. .	25	37	43
Wire .. .. .	11	11	15
Venezuela—			
Bars, sheets and wire .. ..	77	217	(a)
Sulphate .. .. .	5	11	(a)
China—			
Ore .. .. .	—	20	—
Ingots and blocks .. .. .	3,041	3,835	574
Bars, sheets, wire, etc. .. ..	2,920	3,833	1,594
Scrap .. .. .	39	51	28
Sulphate .. .. .	61	67	40
Formosa—			
Sheets, plates, wire, etc. ..	647	(a)	(a)
French Indo-China—			
Ingots, sheets, alloys, etc. ..	409	548	598
Scrap .. .. .	281	86	267
Sulphate .. .. .	11	12	18
Iran (total imports) (c)—			
Ingots, bars, sheets and alloys ..	1,274	1,152	677
Iraq—			
Crude, sheets, pipes, etc. ..	518	759	859

(a) Information not available.

(b) Including brass and bronze.

(c) Year ended June 21.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Japan (total imports)—			
Ingots and blocks .. .. .	47,039	(a)	(a)
Korea (total imports)—			
Ore .. .. .	31	(a)	(a)
Ingots .. .. .	193	(a)	(a)
Wire .. .. .	1,350	(a)	(a)
Manchuria—			
Ingots, slabs, etc. .. .. .	329	400	(a)
Sheets, plates, wire, etc. .. .. .	2,038	3,600	(a)
Sulphate .. .. .	(a)	(a)	199
Netherlands East Indies—			
Crude, scrap and alloyed .. .. .	80	208	(a)
Bars, sheets and alloyed .. .. .	290	472	(a)
Tubes, wire and alloyed .. .. .	2,579	3,787	(a)
Sulphate .. .. .	114	262	(a)
Philippine Islands—			
Ingots .. .. .	98	133	119
Sheets and wire .. .. .	451	394	454
Siam (total imports)—			
Rough copper .. .. .	122	315	146
Syria and Lebanon—			
Bars, sheets, tubes and wire .. .. .	760	825	630
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys .. .. .	3,016	2,771	2,741

(a) Information not available.

## DIAMONDS

### PRODUCTION OF DIAMONDS

(Metric carats)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Gold Coast (exports)—			
Gem diamonds .. .. .	449,860	462,087	398,869
Bort.. .. .	725,539	772,134	553,457
Diamond sand .. .. .	239,278	343,440	344,437
Sierra Leone .. .. .	616,200	913,401	689,621
Southern Rhodesia .. .. .	11	10	—
South West Africa .. .. .	184,917	196,803	154,856
Tanganyika Territory .. .. .	2,704	3,234	3,576
Union of South Africa .. .. .	623,923	1,030,434	1,238,608
British Guiana .. .. .	41,067	35,958	32,522
India .. .. .	1,457	1,178	1,729
Australia .. .. .	650	200	300
Total ..	2,886,000	3,759,000	3,417,000
<b>FOREIGN COUNTRIES</b>			
Angola .. .. .	577,531	626,424	651,265
Belgian Congo—			
Gem diamonds .. .. .	} 4,634,266	821,292	} 7,205,921
Industrial do. .. .. .		4,103,936	
French Equatorial Africa .. .. .	1,998	6,197	17,589
French West Africa .. .. .	5,500	54,687	61,929
Brazil (estimated) .. .. .	136,462	(b) 119,303	100,000
Netherlands East Indies .. .. .	773	981	1,618
Total ..	5,357,000	5,733,000	8,038,000
WORLD'S TOTAL ..	8,240,000	9,490,000	11,455,000

(b) Revised figure.

## PRODUCTION OF DIAMONDS

(£ sterling)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Gold Coast (exports)—			
Gem diamonds .. ..	380,243	417,296	358,541
Bort .. ..	122,939	129,493	84,376
Diamond sand .. ..	81,815	101,268	105,110
Sierra Leone .. ..	725,272	1,084,664	(a)
Southern Rhodesia .. ..	70	30	—
South West Africa .. ..	(c)918,113	1,015,536	767,159
Tanganyika Territory .. ..	6,252	5,071	3,558
Union of South Africa .. ..	2,125,216	3,444,678	3,496,243
British Guiana .. ..	95,707	88,097	74,273
India .. ..	4,675	4,134	(a)
Australia .. ..	650	200	300
Total .. ..	4,461,000	6,446,000	5,750,000
<b>FOREIGN COUNTRIES</b>			
Angola (d) .. ..	786,000	844,000	880,000
Belgian Congo .. ..	712,000	(d) 824,000	(d) 860,000
French Equatorial Africa .. ..	(a)	5,588	(a)
French West Africa .. ..	2,700	6,500	3,700
Brazil (estimated) .. ..	204,527	268,000	170,000
Netherlands East Indies .. ..	1,670	2,870	4,315
Total .. ..	1,710,000	2,230,000	1,930,000
<b>WORLD'S TOTAL</b>	<b>6,170,000</b>	<b>8,680,000</b>	<b>7,680,000</b>

(a) Information not available.

(c) Estimated on sales value.

(d) Estimated on export value.

EXPORTS OF DIAMONDS  
(Domestic Produce)

Exporting Country and Description.	Unit	1936	1937	1938
<b>BRITISH EMPIRE</b>				
Gold Coast—				
Gem diamonds .. ..	Carat	449,860	462,087	398,869
	£	380,243	417,296	358,541
Bort .. ..	Carat	725,539	772,134	553,457
	£	122,939	129,493	84,376
Diamond sand .. ..	Carat	239,278	343,440	344,437
	£	81,815	101,268	105,110
Sierra Leone .. ..	Carat	616,200	900,997	(a)
	£	(b)725,272	1,070,384	858,055
South West Africa (uncut)	Carat	184,852	187,619	163,809
	£	895,510	916,968	816,331
Tanganyika Territory ..	Carat	2,704	3,230	3,590
	£	6,252	5,071	3,608
Union of South Africa—				
Uncut .. ..	Carat	1,002,603	837,916	598,439
	£	2,509,114	2,254,516	1,499,353
Cut and polished ..	Carat	35,372	42,217	37,482
	£	804,387	1,063,652	887,754
British Guiana .. ..	Carat	42,479	34,556	33,509
	£	101,083	86,468	78,162
<b>FOREIGN COUNTRIES</b>				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds .. ..	£	2,583,000	3,050,000	2,661,000
do. cut and polished	£	8,739,000	7,963,000	7,415,000
Czecho-Slovakia—				
Glaziers' diamonds ..	£	940	1,273	1,381
France—				
Cut and polished ..	£	970,000	1,860,000	3,040,000
Netherlands—				
Unpolished .. ..	£	2,040,000	1,600,000	1,000,000
Polished .. ..	£	2,700,000	2,900,000	1,600,000
U.S.S.R.—				
Uncut .. ..	Carat	30,000	(a)	(a)
	£	166,000	(a)	(a)
Cut .. ..	£	1,000	(a)	(a)
Angola .. ..	Carat	558,719	630,887	670,909
	£	760,000	850,000	904,000

(a) Information not available.

(b) Of which bort £38,173.



## EXPORTS OF DIAMONDS (Cont.)

Exporting Country and Description.	Unit	1936	1937	1938
FOREIGN COUNTRIES (Cont.)				
Belgian Congo—				
Gem diamonds .. ..	Carat	(d)	1,067,063	756,382
	£	(d)	706,000	522,000
Industrial diamonds ..	Carat	4,612,860	3,992,864	5,002,864
	£	709,000	273,000	345,000
French Equatorial Africa	Carat	1,550	6,029	16,013
	£	500	3,000	(a)
French West Africa ..	Carat	5,500	52,933	62,905
	£	2,700	6,500	3,700
Brazil (b)—				
Diamonds (c) .. ..	£	5,300	344,000	147,000
Carbons .. ..	£	800	2,300	5,900
Venezuela .. ..	Carat	—	95,000	(a)
	£	—	10,400	(a)

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

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

(d) Included with "Industrial diamonds."

IMPORTS OF DIAMONDS  
(Less Re-exports)

Importing Country and Description.	Unit	1936	1937	1938
BRITISH EMPIRE				
United Kingdom .. ..	Carat	3,001,335	3,363,495	(c)1,900,587
	£	4,166,191	4,487,014	3,365,107
Northern Rhodesia— Uncut .. ..	Carat	824	5,606	5,626
	£	392	12,081	11,573
Union of South Africa— Cut and polished .. ..	Carat	407	514	345
	£	2,562	7,405	2,114
Canada— Unset .. ..	£	202,662	264,008	199,495
Dust, bort, etc. .. ..	£	488,534	937,254	801,634
British Guiana .. ..	Carat	27	124	—
	£	53	244	—
British India .. ..	£	568,115	748,545	885,019
Burma .. ..	£	(b)	(b)62,952	96,161
Ceylon .. ..	Carat	2,470	3,033	2,710
	£	22,921	28,064	24,990
Palestine— Rough diamonds .. ..	£	162	645	912
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Precious stones, chiefly diamonds .. ..	£	6,218,000	7,867,000	6,817,000
do. cut and polished	£	1,024,000	815,000	495,000
Czecho-Slovakia— Glaziers' diamonds .. ..	£	140	198	184
France— Cut and polished .. ..	£	1,680,000	4,600,000	3,300,000
Netherlands— Unpolished .. ..	£	3,000,000	2,200,000	1,400,000
Polished .. ..	£	1,000,000	1,000,000	550,000
U.S.S.R.— Uncut .. ..	Carat	30,000	(a)	(a)
	£	187,000	(a)	(a)
Egypt— Cut .. ..	Carat	7,089	3,931	4,998
	£	6,921	4,008	4,123

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Excluding imports from Sierra Leone.

## IMPORTS OF DIAMONDS (Cont.)

Importing Country and Description.	Unit	1936	1937	1938
FOREIGN COUNTRIES (Cont.)				
United States—				
Uncut .. .. .	Carat	97,677	97,219	91,515
	£	1,254,000	1,564,000	1,443,000
Cut and polished .. .. .	Carat	445,610	517,677	330,925
	£	4,571,000	6,043,000	3,471,000
Glaziers' diamonds .. .. .	Carat	1,166,094	1,885,970	1,396,247
	£	871,000	1,324,000	859,000
Dust and bort .. .. .	£	16,500	44,100	16,800
Peru—				
Glaziers' diamonds .. .. .	£	32	63	73
Venezuela—				
Carbons .. .. .	Carat	—	10	(a)
	£	—	99	(a)
Netherlands East Indies (b)—				
Uncut .. .. .	£	1,100	4,100	(a)
Cut and polished .. .. .	£	12,300	23,800	(a)
Philippine Islands .. .. .				
	Carat	16,021	21,104	15,720
	£	77,000	85,000	56,900

(a) Information not available.

(b) Imported by parcel post and passengers.

## DIATOMACEOUS EARTH

## PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Great Britain .. .. .	1,086	1,141	2,159
Northern Ireland .. .. .	7,466	7,168	5,281
Union of South Africa .. .. .	96	148	153
Canada .. .. .	549	574	355
Barbados .. .. .	10	10	10
Australia .. .. .	2,778	3,190	3,380
FOREIGN COUNTRIES			
Bulgaria .. .. .	62	138	231
Denmark (moler) .. .. .	61,000	80,000	(a)
Estonia .. .. .	—	573	1,113
Finland .. .. .	1,378	1,771	1,574
France.. .. .	9,600	10,600	(a)
Germany (d) .. .. .	6,112	7,407	(a)
Italy .. .. .	3,701	4,586	5,010
Norway (exports) .. .. .	229	106	48
Portugal .. .. .	64	109	(a)
Roumania (c) ... .. .	3,748	2,972	(a)
Sweden .. .. .	1,095	1,736	1,816
Algeria .. .. .	11,922	12,759	17,800
United States (b) .. .. .	83,228	83,228	83,228
Chile .. .. .	40	340	(a)
Peru (exports) .. .. .	—	—	7
Japan .. .. .	12,800	16,700	21,650
Korea .. .. .	742	2,480	4,500
Netherlands East Indies .. .. .	124	39	140

Diatomaceous earth is also produced in Hungary, Spain, and U.S.S.R. and during 1938 there was a small output in New Zealand valued at £70 (N.Z.)

(a) Information not available.

(b) Annual average production 1936-1938.

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

(d) Production of Hessen only.

## EXPORTS OF DIATOMACEOUS EARTH

*(Domestic Produce)*

(Long tons)

Exporting Country.	1936	1937	1938
BRITISH EMPIRE			
Canada (including other natural abrasives) .. .. .	431	376	286
FOREIGN COUNTRIES			
Denmark—			
Moler .. .. .	44,860	60,877	(a)
Moler bricks .. .. .	7,997	9,422	7,334
Estonia .. .. .	—	100	122
France.. .. .	726	751	611
Germany .. .. .	2,882	3,736	3,516
Italy—			
Crude .. .. .	76	367	835
Calcined, etc. .. .. .	3	35	102
Norway—			
Calcined, etc. .. .. .	229	106	48
U.S.S.R. .. .. .	13	29	(b)
Yugoslavia .. .. .	—	—	36
Algeria .. .. .	11,065	13,884	15,177
Chile .. .. .	40	345	(a)
Peru .. .. .	—	—	7

(a) Information not available.

(b) January to September only.

## IMPORTS OF DIATOMACEOUS EARTH

*(Less Re-exports)*

(Long tons)

Importing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	39,515	42,583	42,519
Union of South Africa .. .. .	425	391	301
Canada .. .. .	2,546	3,400	(a)
FOREIGN COUNTRIES			
Denmark .. .. .	188	237	(a)
Estonia .. .. .	133	64	31
Finland (total imports) .. .. .	59	214	238
France.. .. .	5,877	4,750	5,173
Germany .. .. .	20,592	34,196	31,136
Italy—			
Crude .. .. .	217	197	290
Calcined, etc. .. .. .	43	4	15
Latvia .. .. .	1	69	48
Norway .. .. .	387	2,406	2,050
Poland .. .. .	3,391	3,723	4,524
Portugal .. .. .	228	219	(a)
Yugoslavia .. .. .	381	372	523
Algeria .. .. .	47	10	10
Egypt .. .. .	147	182	100
Tunis .. .. .	22	18	135
Cuba (total imports) .. .. .	1,314	1,269	(a)
Mexico .. .. .	1,842	1,556	715
Peru .. .. .	625	286	245
French Indo-China .. .. .	21	29	25

(a) Information not available.

**FELSPAR**

## PRODUCTION OF FELSPAR

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
China stone .. .. .	66,509	60,715	48,383
Canada (sales) .. .. .	15,934	19,059	12,552
India .. .. .	785	487	691
Australia (including china stone) ..	3,691	3,806	2,370
FOREIGN COUNTRIES			
Czecho-Slovakia (estimated) ..	30,000	30,000	25,000
Finland (exports) .. .. .	2,480	3,181	4,966
Germany (Bavaria only) .. .. .	7,864	9,828	(a)
Italy .. .. .	8,484	13,225	13,180
Norway .. .. .	24,792	23,859	(a)
Roumania .. .. .	1,929	2,546	(a)
Sweden .. .. .	55,902	48,364	44,399
Egypt .. .. .	44	156	196
United States (sales) .. .. .	244,726	268,532	196,119
Argentina .. .. .	1,065	1,325	(a)
Brazil .. .. .	(a)	8,300	(a)
Manchuria .. .. .	74,000	(a)	(a)

Felspar is also produced in U.S.S.R. and China.

(a) Information not available.

EXPORTS OF FELSPAR  
(Domestic Produce)  
(Long tons)

Exporting Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (b) .. .. .	8,911	9,109	5,711
Canada .. .. .	(c)12,619	(c)24,520	(d)10,226
FOREIGN COUNTRIES			
Austria .. .. .	414	346	414
Belgium-Luxemburg E.U. .. .. .	1,796	2,567	763
Czecho-Slovakia .. .. .	5,466	6,757	4,424
Finland .. .. .	2,480	3,181	4,966
Germany .. .. .	16,982	18,243	17,608
Netherlands .. .. .	3,947	3,416	3,564
Norway—			
Crude .. .. .	19,229	22,848	14,553
Ground .. .. .	10,283	9,193	6,861
Sweden .. .. .	45,842	37,914	32,222

(b) Including china stone.                      (c) Includes nepheline-syenite.

(d) April-December only.

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

Importing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (b) .. .. .	27,045	24,627	15,814
Canada.. .. .	662	1,602	586
Palestine .. .. .	12	69	49
FOREIGN COUNTRIES			
Austria .. .. .	518	443	302
Belgium-Luxemburg E.U. .. .. .	10,286	10,532	8,570
Czecho-Slovakia .. .. .	1,206	2,011	1,966
Denmark .. .. .	1,551	1,662	(a)
Finland (total imports) .. .. .	74	114	105
Germany .. .. .	34,277	25,299	23,140
Latvia .. .. .	81	266	221
Netherlands .. .. .	8,706	5,972	7,411
Sweden .. .. .	604	1,155	1,764
Mexico .. .. .	438	487	456
United States .. .. .	10,904	12,956	7,651
Uruguay .. .. .	23	53	38

(a) Information not available.

(b) Including china stone.



## FLUORSPAR

### PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	32,962	42,160	33,331
Southern Rhodesia .. .. .	—	—	154
South West Africa .. .. .	—	—	576
Union of South Africa .. .. .	3,074	3,558	4,661
Canada .. .. .	67	134	194
Australia .. .. .	816	1,442	3,231
Newfoundland .. .. .	10,424	12,000	14,000
FOREIGN COUNTRIES			
France .. .. .	30,100	50,650	(a)
Germany—			
Anhalt .. .. .	11,048	13,446	(a)
Baden .. .. .	7,242	13,422	(a)
Bavaria .. .. .	48,377	61,469	(a)
Prussia .. .. .	35,698	30,032	(a)
Saxony .. .. .	7,864	7,946	(a)
Thuringia .. .. .	18,495	15,862	(a)
Italy .. .. .	11,256	13,174	11,994
Norway .. .. .	998	1,665	(a)
U.S.S.R. .. .. .	64,000	(a)	(a)
Tunis .. .. .	—	1,676	2,011
Mexico (estimated) .. .. .	1,000	1,000	1,000
United States .. .. .	150,000	163,000	88,000
Argentina .. .. .	443	344	(a)
Korea .. .. .	8,602	(b) 9,532	(b) 33,667

Fluorspar is also produced in Spain and China.

(a) Information not available.

(b) Exports.

EXPORTS OF FLUORSPAR  
(Domestic Produce)  
(Long tons)

Exporting Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	2,736	4,478	2,806
Union of South Africa .. .. .	700	908	3,291
Newfoundland (years ended June 30)	5,214	7,455	9,400
<b>FOREIGN COUNTRIES</b>			
Belgium-Luxemburg E.U. .. .. .	402	540	1,513
Germany .. .. .	39,291	45,282	26,884
Norway .. .. .	282	468	683
Korea .. .. .	8,193	9,532	33,667

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

Importing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Canada .. .. .	9,995	10,218	13,444
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	4,754	4,583	11
Belgium-Luxemburg E.U. .. .. .	3,007	3,717	7,197
Denmark .. .. .	1,098	693	(a)
Germany .. .. .	1	1	1
Latvia .. .. .	30	16	46
Norway .. .. .	970	792	1,112
Yugoslavia .. .. .	411	1,129	1,292
United States .. .. .	22,772	33,092	17,520

(a) Information not available.

**FULLER'S EARTH**

PRODUCTION OF FULLER'S EARTH  
(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
India .. .. .	6,649	7,416	8,059
New Zealand .. .. .	—	—	56
<b>FOREIGN COUNTRIES</b>			
United States (sales) .. .. .	206,084	201,933	152,546
Turkey .. .. .	5,668	8,428	(a)

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

(a) Information not available.

**EXPORTS OF FULLER'S EARTH.**

Statistics of exports of fuller's earth are not separately recorded in official trade returns; exports from the United States, as recorded by producers, were: 1936, 5,466 long tons; 1937, 7,236 long tons; 1938, 8,970 long tons.

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

Importing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Union of South Africa .. .. .	193	322	307
Canada .. .. .	(£8,966)	(£10,713)	(£11,331)
Ceylon .. .. .	14	14	24
Australia .. .. .	426	349	362
<b>FOREIGN COUNTRIES</b>			
U.S.S.R. .. .. .	814	—	—
United States—			
Crude .. .. .	63	40	1
Prepared .. .. .	2,377	2,001	6
Peru .. .. .	1,642	1,960	1,710
Philippine Islands .. .. .	1,754	1,337	1,754

## GOLD

## PRODUCTION OF GOLD ORE

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

Producing Country	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	1	60	2,428
Anglo-Egyptian Sudan .. ..	7,659	7,388	8,866
Bechuanaland Protectorate ..	16,748	17,577	18,653
Gold Coast .. .. .	428,144	559,212	674,927
Kenya .. .. .	38,463	54,774	70,500
Nigeria .. .. .	33,364	26,466	24,815
Northern Rhodesia .. .. .	4,452	4,228	1,113
Southern Rhodesia .. .. .	797,061	804,219	814,078
Sierra Leone .. .. .	37,966	35,717	30,012
South West Africa .. .. .	4,065	2,804	1,796
Swaziland .. .. .	276	2,410	1,246
Tanganyika Territory .. .. .	69,675	75,281	81,857
Uganda (exports) .. .. .	13,231	16,947	20,502
Union of South Africa .. ..	11,336,214	11,734,575	12,161,392
Canada .. .. .	3,748,028	4,096,213	4,725,117
Newfoundland .. .. .	16,114	22,470	24,246
British Guiana .. .. .	32,234	35,993	38,482
Burma .. .. .	1,439	1,004	1,209
Cyprus (c) .. .. .	20,991	23,650	19,894
Federated Malay States .. ..	37,779	33,828	40,209
Unfederated Malay States ..	761	519	581
India .. .. .	331,946	330,744	321,138
Sarawak .. .. .	23,372	19,214	18,520
Straits Settlements .. .. .	—	—	5
Australia .. .. .	1,175,066	1,381,135	1,592,035
Fiji .. .. .	16,955	24,917	92,362
New Guinea .. .. .	220,974	217,152	236,126
New Zealand .. .. .	164,575	168,487	152,050
Papua .. .. .	20,719	22,153	27,000
Total .. .. .	18,600,000	19,720,000	21,200,000
FOREIGN COUNTRIES			
Bulgaria (estimated) .. .. .	—	50	200
Czecho-Slovakia .. .. .	11,013	9,552	(a)
Finland .. .. .	4,919	4,019	4,800

(a) Information not available.

(c) Exports.

## PRODUCTION OF GOLD ORE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France.. .. .	85,680	66,420	87,350
Germany .. . . .	7,584	8,028	(a)
Hungary .. . . .	1,093	10,448	(a)
Italy .. . . .	7,623	6,700	12,380
Norway .. . . .	42	96	(a)
Portugal .. . . .	3,282	3,982	6,186
Roumania .. . . .	172,374	175,719	135,319
Spain (estimated) .. . . .	4,000	(a)	(a)
Sweden .. . . .	158,339	193,222	234,116
U.S.S.R. (b) .. . . .	5,500,000	5,000,000	5,000,000
Yugoslavia .. . . .	84,876	87,560	78,000
Abyssinia .. . . .	25,700	(a)	(a)
Belgian Congo .. . . .	389,272	419,654	450,000
Cameroon (French) .. . . .	11,027	14,224	15,541
Egypt .. . . .	278	1,226	2,162
Eritrea .. . . .	2,512	(a)	(a)
French Equatorial Africa .. . . .	24,190	21,489	35,518
French West Africa (exports)	106,000	119,000	118,000
Liberia (exports) .. . . .	1,567	2,457	1,902
Madagascar .. . . .	15,200	13,500	13,760
Morocco (French) .. . . .	1,500	4,630	1,410
Mozambique .. . . .	16,711	(a)	(a)
Costa Rica .. . . .	12,625	16,920	17,994
Dominican Republic.. . . .	8,901	6,397	5,898
Guatemala .. . . .	1,824	4,190	5,489
Honduras .. . . .	17,982	33,526	30,281
Nicaragua .. . . .	23,052	24,242	44,506
Panama .. . . .	9,189	—	(a)
Porto Rico .. . . .	483	17	9
Salvador .. . . .	8,928	8,564	6,506
Mexico .. . . .	753,950	846,381	923,798
United States .. . . .	3,782,669	4,117,078	4,267,469
Argentina .. . . .	12,200	10,500	(a)
Bol'via (exports) .. . . .	10	4,267	9,922
Brazil .. . . .	125,674	145,800	142,907
Chile .. . . .	248,794	315,553	278,532
Colombia .. . . .	389,495	442,222	520,717
Dutch Guiana (crude) .. . . .	14,258	12,756	14,153
Ecuador .. . . .	70,124	70,906	70,544
French Guiana (exports) .. . . .	45,526	45,557	40,637
Peru .. . . .	152,409	205,350	(c)254,465

(a) Information not available.

(b) Approximate figures only. It is not possible to form any reliable estimate from the data given in Russian publications.

(c) Exports.

PRODUCTION OF GOLD ORE (*Cont.*)

Producing Country.	1936	1937	1938
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Venezuela .. .. .	109,994	116,517	114,984
Formosa (estimated) .. .. .	107,000	112,000	(a)
French Indo-China .. .. .	9,025	10,127	(a)
Japan .. .. .	713,666	723,400	(b)740,000
Korea (estimated) .. .. .	650,000	850,000	1,050,000
Netherlands East Indies .. .. .	71,689	55,616	76,300
Philippine Islands .. .. .	599,657	716,967	903,265
Siam .. .. .	10,337	12,718	13,736
TOTAL .. .. .	14,700,000	15,300,000	16,100,000
*WORLD'S TOTAL .. .. .	33,300,000	35,000,000	37,300,000

\*Gold is also produced in China and Manchuria — an allowance for this production is made in the total.

(a) Information not available.

(b) Estimated.

EXPORTS OF GOLD  
(In terms of metal)  
(Fine troy ounces)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Bullion—			
Unrefined .. .. .	2,021,000	1,501,000	463,000
Refined .. .. .	9,365,000	28,432,000	37,387,000
Coin .. .. .	1,184,000	909,000	4,176,000
Eire—			
Bullion .. .. .	2,000	750	730
Anglo-Egyptian Sudan—			
Bullion .. .. .	9,400	9,000	12,600
Gold Coast—			
Bullion .. .. .	434,000	558,000	677,500
Kenya and Uganda—			
Bullion .. .. .	60,000	97,000	119,000
Nigeria—			
Bullion .. .. .	35,000	26,000	25,000
Northern Rhodesia—			
Bullion .. .. .	3,300	4,100	600
Nyasaland—			
Bullion .. .. .	30	3	—
Sierra Leone—			
Bullion .. .. .	36,500	40,800	31,500
Southern Rhodesia—			
Concentrates, etc. .. .. .	1,300	2,100	2,500
Bullion .. .. .	807,000	805,000	808,000
South West Africa—			
Bullion .. .. .	4,000	2,900	1,800
Tanganyika Territory—			
Bullion .. .. .	69,800	74,800	82,600
Union of South Africa—			
Ore and concentrates .. .. .	6,700	11,500	9,700
Bullion .. .. .	11,674,000	11,780,000	6,850,000
Coin .. .. .	126,700	7,200	648,000
Zanzibar—			
Bullion .. .. .	300	—	—
Canada—			
Ore, etc. .. .. .	173,000	211,000	241,000
Bullion .. .. .	2,039,000	3,030,000	1,935,000
Coin .. .. .	136,000	346,000	1,725,000
British West Indies—			
Bahamas—			
Coin .. .. .	400	800	400
St. Lucia—			
Bullion .. .. .	270	48	17

## EXPORTS OF GOLD (Cont.).

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British West Indies—(cont.)			
Trinidad and Tobago—			
Bullion .. .. .	2,000	750	—
Coin .. .. .	700	260	30
Jamaica—			
Bullion .. .. .	800	700	400
Coin .. .. .	700	400	—
British Guiana—			
Bullion .. .. .	32,800	30,000	30,000
Coin .. .. .	30	5	—
Aden—			
Bullion and Coin .. ..	(a)	2,200	4,700
British India (c)—			
Bullion .. .. .	3,602,000	1,970,000	723,000
Coin .. .. .	7,000	17,000	927,000
British Malaya—			
Bullion .. .. .	112,000	60,000	120,000
Coin .. .. .	31,000	27,000	17,000
Ceylon—			
Bullion .. .. .	1,200	—	650
Cyprus—			
Ores and concentrates ..	20,991	23,650	19,894
Bullion .. .. .	165	250	20
Hong Kong—			
Bullion .. .. .	300,000	96,000	421,000
Coin .. .. .	7,000	23,000	28,000
Palestine—			
Bullion and coin .. ..	36,000	59,000	51,000
Sarawak—			
Bullion .. .. .	22,000	19,000	18,000
Australia—			
Ores, etc. (b) .. ..	33,100	36,641	46,916
Bullion .. .. .	1,380,000	1,740,800	1,948,000
Coin .. .. .	22,500	11,700	10,800
Fiji—			
Bullion .. .. .	16,955	21,314	89,355
New Guinea (years ended June 30)—			
Bullion .. .. .	200,000	250,500	228,000
New Zealand—			
Concentrates, sweepings, etc.	3,100	2,300	1,900
Bullion .. .. .	157,800	162,000	150,000
Papua (years ended June 30)—			
Ore and concentrates ..	90	600	200
Bullion .. .. .	10,100	10,900	13,500

(a) Information not available.

(b) Years ended June 30.

(c) Includes trade by land as recorded.



## EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	7,500	700	100
Coin .. .. .	46,000	43,000	80
Beaten, rolled or drawn ..	500	600	400
Belgium-Luxemburg E.U.—			
Bullion .. .. .	80,000	120,000	106,000
Czecho-Slovakia—			
Bullion .. .. .	4,500	2,100	2,500
Coin .. .. .	8,500	70	60
France—			
Bullion and scrap .. ..	44,000,000	34,000,000	9,600,000
Coin .. .. .	900,000	280,000	214,000
Beaten, rolled or drawn ..	12,000	6,000	8,000
Germany—			
Bullion .. .. .	1,100,000	} 1,830,000	2,800,000
Coin .. .. .	300		
Beaten or rolled .. ..	17,000		
Hungary—			
Bullion .. .. .	—	130	—
Coin .. .. .	—	—	260
Italy—			
Bullion and scrap .. ..	5,000	700	70
Coin .. .. .	—	16,000	—
Beaten, rolled or drawn ..	500	600	900
Netherlands—			
Bullion(b) .. .. .	4,300,000	510,000	7,800,000
Coin(b) .. .. .	290,000	510,000	1,250,000
Norway—			
Coin .. .. .	4,000	—	17,000
Poland—			
Bullion .. .. .	235,000	1,300	334,000
Coin .. .. .	16,000	69,000	106,000
Sweden—			
Bullion .. .. .	4,500	8,600	235,000
Coin .. .. .	5,000	600	49,000
Switzerland—			
Bullion .. .. .	3,000,000	4,500,000	6,690,000
U.S.S.R. .. .. .	(c)	(c)	(c)
Algeria—			
Coin .. .. .	4,000	7,000	4,400

(b) Excluding exports by post, which were 280,000; 580,000 and 1,200,000 fine troy ounces of bullion and coin combined during 1936, 1937 and 1938, respectively.

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

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Belgian Congo—			
Bullion .. .. .	384,000	411,000	411,000
Cameroon (French)—			
Bullion .. .. .	5,000	12,000	12,000
Egypt—			
Bullion .. .. .	70	156,000	84,000
Coin .. .. .	1,000	3,300	21,600
French Equatorial Africa—			
Bullion .. .. .	16,000	16,000	34,000
French West Africa—			
Bullion .. .. .	106,000	119,000	118,000
Liberia—			
Bullion .. .. .	1,567	2,457	1,902
Madagascar—			
Bullion .. .. .	11,000	11,300	12,000
Morocco (French)—			
Bullion .. .. .	40	136,000	(a)
Coin .. .. .	50,000	1,000	(a)
Mozambique—			
Bullion .. .. .	—	12,800	11,000
Coin .. .. .	—	4,600	(a)
Costa Rica—			
Bullion .. .. .	12,600	13,200	40,000
Coin .. .. .	100	—	—
Cuba—			
Bullion and scrap .. .. .	1,400	700	(a)
Dominican Republic—			
Bullion and scrap .. .. .	10,800	7,500	7,000
Guatemala—			
Bullion, etc. .. .. .	4,000	8,000	5,500
Honduras (years ended July 31)—			
Bullion, etc. .. .. .	27,000	36,000	(b)21,000
Mexico—			
Bullion .. .. .	1,043,000	1,132,000	936,000
Nicaragua—			
Concentrates .. .. .	23,000	24,000	44,000

(a) Information not available.

(b) August to June only.

## EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (Cont.)</b>			
United States—			
Ore and base bullion ..	24,000	27,000	25,000
Refined bullion .. ..	760,000	1,288,000	143,000
Argentina—			
Bullion and coin .. ..	27,900	6,400	947,000
Bolivia—			
Ore .. .. .	10	4,267	9,922
Bullion .. .. .	(a)	37,087	(a)
Chile—			
Ore, excluding mixed ores	65,000	58,000	53,000
Bullion .. .. .	67,000	32,000	25,000
Coin .. .. .	—	19,000	(a)
Colombia—			
Bullion .. .. .	340,000	524,000	301,000
Dutch Guiana—			
Bullion .. .. .	13,000	12,000	(a)
French Guiana—			
Bullion .. .. .	46,000	46,000	41,000
Peru—			
Ores, concentrates, etc. ..	36,000	29,000	36,000
Bullion, etc. .. .. .	91,000	140,000	219,000
Venezuela—			
Alluvial .. .. .	14,000	21,000	(a)
Bullion .. .. .	93,000	110,000	(a)
Coin .. .. .	40,000	174,000	(a)
China—			
Bullion .. .. .	370,000	530,000	13,100
French Indo-China—			
Bullion .. .. .	44,000	18,000	24,000
Iraq—			
Bullion, etc. .. .. .	16,000	2,000	9,400
Coin .. .. .	11,000	7,000	11,600
Korea—			
Ore .. .. .	54,000	51,000	(a)
Bullion .. .. .	430,000	(a)	(a)
Netherlands East Indies—			
Bullion and scrap .. ..	60,000	83,000	100,000
Coin .. .. .	3,000	57,000	26,000
Philippine Islands—			
Ore .. .. .	28,000	18,000	2,000
Bullion .. .. .	300,000	390,000	880,000
Siam—			
Bullion .. .. .	70,000	40,000	45,000
Syria and Lebanon—			
Coin .. .. .	5,000	—	—
Turkey—			
Bullion and scrap .. ..	—	—	84,000

(a) Information not available.

## IMPORTS OF GOLD

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore, etc. .. .. .	30,000	34,000	41,000
Bullion—			
Unrefined .. .. .	5,514,000	4,159,000	2,901,000
Refined .. .. .	37,905,000	37,012,000	36,730,000
Coin .. .. .	1,720,000	906,000	4,140,000
Eire—			
Bullion .. .. .	500	—	283,000
Malta—			
Bullion .. .. .	5	6	14
Coin .. .. .	300	3	240
Anglo-Egyptian Sudan—			
Bullion .. .. .	2,200	11,300	70
Coin .. .. .	3	—	—
Kenya and Uganda—			
Bullion .. .. .	5,700	25,500	33,300
Coin .. .. .	400	100	140
Southern Rhodesia—			
Bullion .. .. .	10,000	10,900	9,400
Coin .. .. .	5,900	4,100	4,300
Tanganyika Territory—			
Bullion .. .. .	80	40	130
Union of South Africa—			
Bullion .. .. .	9,800	12,200	34,100
Coin .. .. .	1,700	500	1,400
Zanzibar—			
Bullion .. .. .	—	70	1,100
Coin .. .. .	300	—	80
Canada—			
Bullion, etc. .. .. .	5,000	5,000	1,643,000
British West Indies—			
Bahamas—			
Coin .. .. .	600	—	1,000
Jamaica—			
Bullion .. .. .	40	—	—
Coin .. .. .	—	—	500
Trinidad and Tobago—			
Coin .. .. .	24	—	—
British Guiana—			
Bullion .. .. .	70	60	50

## IMPORTS OF GOLD (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Aden—			
Coin .. .. .	(a)	5,700	2,000
British India (b)—			
Bullion .. .. .	69,000	42,000	56,000
Coin .. .. .	68,000	168,000	36,000
British Malaya—			
Bullion .. .. .	60,000	121,000	78,000
Coin .. .. .	14,000	72,000	32,000
Ceylon—			
Bullion .. .. .	—	3,500	6,000
Coin .. .. .	—	100	800
Hong Kong—			
Bullion .. .. .	33,000	97,000	48,000
Coin .. .. .	—	3,000	1,000
Palestine—			
Bullion and coin .. .. .	23,000	55,000	50,000
Australia—			
Ore, matte, etc. (c) .. .. .	100	40	50
Bullion, etc. .. .. .	255,700	280,600	358,000
Coin .. .. .	10	1	—
New Zealand—			
Bullion, etc. .. .. .	300	300	—
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	52,000	27,000	5,200
Coin .. .. .	38,000	30	4,200
Beaten, rolled or drawn .. .. .	200	100	10
Belgium-Luxemburg E.U.—			
Bullion, etc. .. .. .	390,000	390,000	470,000
Bulgaria—			
Bullion, etc. .. .. .	10,000	114,000	1,320
Czecho-Slovakia—			
Bullion .. .. .	18,000	700	100
Coin .. .. .	100	20	—
Denmark—			
Bullion, etc. .. .. .	8,000	7,000	8,300
Finland—			
Bullion .. .. .	98,000	91,000	74,000
Sheet and wire .. .. .	600	1,000	1,300

(a) Information not available.

(b) Includes trade by land as recorded.

(c) Years ended June 30.

## IMPORTS OF GOLD (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—			
Bullion and scrap .. ..	2,600,000	2,400,000	1,800,000
Coin .. .. .	9,000,000	3,500,000	5,200,000
Beaten, rolled or drawn ..	9,000	30,000	15,000
Germany—			
Ore .. .. .	50,000	70,000	50,000
Scrap .. .. .	15,000		
Bullion .. .. .	1,000,000	} 1,720,000	1,800,000
Coin .. .. .	22,000		
Beaten or rolled .. .. .	70		
Greece—			
Bullion and coin .. .. .	30	120	(a)
Hungary—			
Bullion .. .. .	1,900	900	2,300
Coin .. .. .	50	—	—
Italy—			
Bullion and scrap .. .. .	70,000	700	2,800
Coin .. .. .	6,500	—	—
Beaten, rolled or drawn ..	10	60	300
Latvia—			
Bullion, etc. .. .. .	1,000	1,500	3,100
Lithuania—			
Bullion .. .. .	—	350	580
Netherlands—			
Bullion .. .. .	6,050,000	13,500,000	4,820,000
Coin .. .. .	380,000	360,000	2,620,000
Norway—			
Bullion .. .. .	5,000	1,000	219,000
Sheets and rolled .. .. .	2,900	2,500	3,400
Poland—			
Bullion .. .. .	2,700	710,000	14,500
Coin .. .. .	140,000	18,000	800
Roumania—			
Bullion, etc. .. .. .	—	25,000	(a)
Sweden—			
Bullion .. .. .	295,000	5,400	1,472,000
Coin .. .. .	1,700	90	8,000
Switzerland—			
Bullion .. .. .	6,700,000	2,800,000	6,660,000

(a) Information not available.

## IMPORTS OF GOLD (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Bullion .. .. .	61,000	55,000	17,100
Coin .. .. .	30	—	—
Beaten, rolled or drawn ..	160	150	300
Algeria—			
Bullion and coin .. ..	550	6,000	4,800
Egypt—			
Bullion .. .. .	600	200	6,800
Coin .. .. .	1,400	1,600	10,000
Morocco (French)—			
Bullion .. .. .	100,000	1,200	(a)
Coin .. .. .	3,000	2,000	(a)
Mexico—			
Bullion and coin .. ..	100	60	4,000
United States—			
Ore and base bullion .. ..	2,100,000	2,100,000	2,200,000
Refined bullion .. ..	30,500,000	44,400,000	53,900,000
Coin .. .. .	80,000	75,000	463,000
Argentina—			
Bullion and coin .. ..	46,300	1,923,600	50,400
Brazil—			
Bullion .. .. .	500	230	220
Dutch Guiana—			
Bullion .. .. .	900	(a)	(a)
Venezuela—			
Bullion .. .. .	30	90	(a)
Coin .. .. .	—	7,200	(a)
China—			
Bullion .. .. .	15,000	16,000	104,000
Coin .. .. .	6,000	17,000	28,000
French Indo-China—			
Bullion .. .. .	11,000	400	4,600
Drawn and rolled .. ..	250	400	500
Coin.. .. .	2,000	25	6
Iran (b)—			
Bullion .. .. .	—	—	21,400
Coin .. .. .	10	—	—

(a) Information not available.

(b) Years ended June 21.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Iraq—			
Bullion and coin .. ..	6,800	7,900	6,200
Korea—			
Bullion .. .. .	6,000	(a)	(a)
Netherlands East Indies—			
Bullion and scrap .. ..	100	2,400	10,000
Coin .. .. .	4,300	156,000	30,000
Philippine Islands—			
Bullion .. .. .	80	250	290
Siam—			
Bullion .. .. .	20	3,400	—
Coin .. .. .	500	—	—
Syria and Lebanon—			
Coin .. .. .	4,000	50,000	90,000
Turkey—			
Bullion and scrap .. ..	13,500	127,000	1,600

(a) Information not available.



## GRAPHITE

### PRODUCTION OF GRAPHITE

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Union of South Africa ..	58	61	53
Canada (sales) .. ..	(b)	(b)	(b)
Ceylon (exports) .. ..	13,515	17,381	11,783
India .. .. .	388	558	458
Australia .. .. .	23	14	10
<b>FOREIGN COUNTRIES</b>			
Austria (crude) .. ..	21,367	17,871	(a)
Czecho-Slovakia .. ..	2,880	5,063	(a)
Germany (crude) .. ..	23,906	23,172	(a)
Italy .. .. .	5,118	5,326	5,396
Norway (exports) .. ..	3,344	3,684	3,781
Sweden .. .. .	62	25	47
Madagascar—			
Flake .. .. .	6,124	7,877	10,305
Powder .. .. .	1,117	2,583	4,011
Morocco (French) .. ..	400	331	193
Argentina .. .. .	18	25	(a)
Mexico .. .. .	10,092	11,032	9,459
Brazil .. .. .	—	8	(a)
Japan .. .. .	1,551	(a)	(a)
Korea—			
Flake .. .. .	5,757	(c)5,182	(c)7,742
Other .. .. .	34,511	(c)37,698	(c)41,811

NOTE :—Graphite is also produced in the U.S.S.R. and the United States.

(a) Information not available.

(b) Recorded by value only

{	1936 ..	..	£17,859
	1937 ..	..	£25,373
	1938 ..	..	£8,440

(c) Exports.

## EXPORTS OF GRAPHITE

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Crucibles .. .. .	2,424	2,883	2,551
Canada .. .. .	3,022	2,632	1,027
Ceylon .. .. .	13,515	17,381	11,783
Hong Kong (including re- exports) .. .. .	161	314	77
Australia .. .. .	28	28	20
FOREIGN COUNTRIES			
Austria .. .. .	15,720	13,795	5,842
Belgium-Luxemburg E.U.—			
Crude and ground ..	375	263	107
Crucibles, etc. .. .	170	170	196
Czecho-Slovakia .. .	2,585	2,835	1,998
Denmark .. .. .	74	114	(a)
France .. .. .	523	803	611
Germany .. .. .	3,195	3,018	2,952
Hungary .. .. .	26	11	8
Italy .. .. .	1,295	1,756	2,288
Norway .. .. .	3,344	3,684	3,781
Poland .. .. .	—	26	46
Sweden .. .. .	6	12	28
U.S.S.R. .. .. .	17	—	—
Algeria .. .. .	—	—	3
Madagascar .. .. .	8,435	12,192	13,221
Morocco (French) .. .	232	149	363
Morocco (Spanish) .. .	—	—	74
Mexico .. .. .	10,092	11,032	9,459
United States .. .. .	729	1,352	880
French Indo-China .. .	10	—	1
Japan .. .. .	5,991	5,129	2,508
Korea—			
Flake .. .. .	5,567	5,182	7,742
Other .. .. .	33,600	37,698	41,811

(a) Information not available.

## IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Natural (c) .. .. .	14,042	15,269	14,543
Crucibles .. .. .	9	5	4
Eire .. .. .	61	61	76
Mauritius—			
Graphite .. .. .	(£79)	—	(a)
Crucibles .. .. .	(£281)	(£428)	(a)
Southern Rhodesia .. .. .	17	6	16
Union of South Africa .. .. .	217	282	329
Canada—			
Unground .. .. .	(£1,039)	(£1,932)	(£3,763)
Ground, including manu- factures .. .. .	(£17,733)	(£21,293)	(£14,071)
Crucibles .. .. .	(£7,754)	(£12,638)	(£12,300)
Newfoundland (years ended June 30) .. .. .	(£59)	(£30)	(£15)
British India—			
Graphite .. .. .	508	582	425
Crucibles .. .. .	173	250	166
Burma—			
Graphite .. .. .	(b)	(b)49	13
Crucibles .. .. .	(b)	(b)7	2
Hong Kong (total imports) .. .. .	1,338	1,424	1,516
Australia .. .. .	563	748	655
New Zealand (£ N.Z.) .. .. .	(£2,289)	(£1,847)	(£1,198)
FOREIGN COUNTRIES			
Austria .. .. .	422	520	210
Belgium-Luxemburg E.U.—			
Crude and ground .. .. .	1,185	1,381	866
Crucibles, etc. .. .. .	300	390	228
Bulgaria .. .. .	121	129	116
Czecho-Slovakia .. .. .	2,443	3,480	1,620
Denmark—			
Graphite .. .. .	450	538	(a)
Crucibles .. .. .	43	72	(a)

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Including a small amount of artificial graphite.

## IMPORTS OF GRAPHITE (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland (total imports) ..	124	147	123
France.. .. .	3,832	4,185	3,690
Germany .. .. .	12,689	7,828	3,691
Hungary .. .. .	1,092	1,237	1,416
Italy .. .. .	1,788	3,439	3,884
Latvia .. .. .	75	55	97
Norway—			
Crucibles, etc. .. .. .	9	52	46
Poland .. .. .	728	1,279	653
Portugal .. .. .	23	36	(a)
Roumania—			
Graphite .. .. .	786	863	1,037
Crucibles .. .. .	65	103	77
Sweden .. .. .	501	768	701
Yugoslavia .. .. .	462	520	590
Algeria .. .. .	19	13	30
Egypt .. .. .	71	169	71
Tunis—			
Graphite .. .. .	3	5	4
Crucibles .. .. .	4	4	9
Mexico .. .. .	108	111	107
United States .. .. .	21,582	26,422	15,183
Argentina .. .. .	424	459	407
Chile .. .. .	79	85	(a)
Colombia .. .. .	6	10	8
Peru .. .. .	32	19	25
Uruguay .. .. .		5	30
French Indo-China .. .. .	34	80	85
Japan (total imports) ..	3,854	4,894	5,194
Netherlands East Indies ..	359	435	(a)
Philippine Islands .. .. .	(a)	(a)	30
Turkey—			
Graphite .. .. .	31	34	48
Crucibles, etc. .. .. .	42	44	36

(a) Information not available.

## GYPSUM

### PRODUCTION OF GYPSUM (Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	1,002,472	1,094,109	1,092,395
Eire .. .. .	6,000	11,463	13,153
Union of South Africa .. .. .	31,457	36,582	38,490
Canada .. .. .	750,996	1,027,736	900,713
Cyprus (estimated) .. .. .	13,000	15,000	12,000
Palestine .. .. .	6,111	3,872	3,921
India .. .. .	54,404	46,090	69,823
Australia .. .. .	125,584	155,209	173,400
FOREIGN COUNTRIES			
Austria .. .. .	48,000	48,000	(a)
Estonia .. .. .	13,630	12,547	13,695
France .. .. .	1,354,000	1,300,000	(a)
Germany .. .. .	(a)	1,657,000	(a)
Greece .. .. .	13,561	17,641	(a)
Italy (including alabaster) .. .. .	319,659	409,625	419,359
Latvia (exports) .. .. .	121,522	193,802	193,853
Luxemburg .. .. .	28,650	19,411	19,587
Portugal .. .. .	9,750	11,210	8,893
Roumania (b) .. .. .	52,756	69,515	(a)
Sweden .. .. .	92	106	(a)
Yugoslavia (estimated) .. .. .	10,000	10,000	10,000
Algeria .. .. .	44,575	39,462	32,799
Egypt (b) .. .. .	252,164	249,634	208,738
Morocco (Spanish) (exports) .. .. .	982	924	1,147
Tunis (estimated) .. .. .	25,000	22,400	(a)
Mexico .. .. .	60,736	(c) 70,000	(c) 70,000
United States .. .. .	2,421,884	2,730,505	2,396,612
Argentina .. .. .	54,826	67,143	(a)
Brazil (estimated) .. .. .	2,000	2,000	2,000

(a) Information not available.

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

(c) Estimated.

PRODUCTION OF GYPSUM (*Cont.*)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Chile .. .. .	22,316	21,500	(a)
Peru .. .. .	12,362	12,691	(a)
China (estimated) .. .. .	70,000	70,000	70,000
New Caledonia .. .. .	—	364	1,053

Gypsum is also produced in Poland, Spain, Switzerland, U.S.S.R., French Morocco, Cuba, Japan and Korea.

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Calcined .. .. .	10,569	9,628	8,919
Union of South Africa .. .. .	1,510	1,763	1,654
Canada—			
Crude .. .. .	580,694	751,063	723,312
Calcined .. .. .	671	1,102	1,301
Cyprus—			
Crude .. .. .	11,430	8,725	6,046
Calcined .. .. .	4,911	4,637	3,529
Hong Kong (including re-exports) ..	1,832	1,219	2,728
Australia—			
Crude .. .. .	13,822	—	—
Calcined .. .. .	7,788	22,473	31,180
FOREIGN COUNTRIES			
Austria—			
Crude and ground .. .. .	17,687	21,024	19,533
Calcined .. .. .	13,785	14,547	11,669
Belgium-Luxemburg E.U.—			
Crude .. .. .	26,608	16,218	14,532
Ground and calcined .. .. .	9,808	10,296	12,319
Alabaster .. .. .	—	—	20
Czecho-Slovakia—			
Crude, ground and calcined ..	95	3	7
Denmark—			
Crude and calcined .. .. .	2	13	
Estonia .. .. .	6,003	6,485	7,202
France—			
Crude and calcined .. .. .	214,249	273,487	306,527
Germany—			
Gypsum and phosphatic gypsum	66,530	72,515	70,769
Hungary—			
Calcined .. .. .	2	—	2
Italy—			
Crude .. .. .	504	15,549	33,280
Calcined .. .. .	306	912	716
Alabaster, crude .. .. .	645	627	596

EXPORTS OF GYPSUM (*Cont.*)

Exporting Country and Description	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Latvia—			
Crude .. .. .	94,779	154,297	159,504
Ground and calcined .. .. .	26,743	39,505	34,349
Alabaster .. .. .	30	—	—
Netherlands .. .. .	222	32	57
Poland—			
Crude .. .. .	38	20	1,124
Ground and calcined .. .. .	1,813	1,487	1,399
Portugal—			
Crude .. .. .	20	27	(a)
Roumania .. .. .	5,876	8,631	6,797
Sweden—			
Calcined .. .. .	18	8	11
Switzerland—			
Ground and calcined .. .. .	79	87	85
Yugoslavia—			
Crude .. .. .	14,839	7,233	3,871
Ground and calcined .. .. .	535	743	709
Algeria .. .. .	870	225	347
Egypt—			
Crude .. .. .	25,909	23,350	35,924
Calcined .. .. .	12	214	(a)
Morocco (French) .. .. .	1,040	4,232	(a)
Morocco (Spanish) .. .. .	982	924	1,147
Tunis (including re-exports)—			
Calcined .. .. .	—	20	—
Mexico—			
Crude .. .. .	69,339	48,687	45,356
United States—			
Crude and ground .. .. .	(£21,700)	4,265	2,539
Calcined .. .. .	(b)(£29,800)	2,542	3,422
Argentina .. .. .	4,146	5,493	4,610
China .. .. .	1,322	1,084	1,543
Korea .. .. .	1,482	3,954	1,922

(a) Information not available.

(b) Including manufactures.



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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Crude, including alabaster ..	177,758	233,034	273,827
Calcined .. .. .	23,917	26,886	31,759
Eire—			
Calcined, etc. .. .. .	8,301	4,403	3,789
Southern Rhodesia—			
Crude and calcined .. .. .	1,190	1,500	1,725
South West Africa .. .. .	12	9	10
Union of South Africa—			
Crude and calcined .. .. .	4,401	5,025	6,752
Canada—			
Crude .. .. .	4	50	7
Ground .. .. .	304	298	373
Calcined .. .. .	738	1,232	1,184
Newfoundland (years ended June 30)—			
Crude and calcined .. .. .	(£321)	(£236)	(£447)
Hong Kong (total imports) .. .. .	3,366	5,540	5,145
Palestine—			
Crude and calcined .. .. .	1,564	2,989	349
Australia—			
Crude and calcined .. .. .	1,599	1,193	1,310
New Zealand—			
Crude .. .. .	8,610	10,211	14,875
Calcined .. .. .	11,315	10,043	13,223
FOREIGN COUNTRIES			
Albania .. .. .	61	86	93
Austria—			
Crude and ground .. .. .	104	145	2
Calcined .. .. .	655	668	3
Belgium-Luxemburg E.U.—			
Crude .. .. .	134,771	149,874	153,307
Ground and calcined .. .. .	40,553	37,507	35,672
Alabaster, crude .. .. .	2	—	2
Bulgaria—			
Crude .. .. .	—	1	2
Calcined .. .. .	40	41	23
Czecho-Slovakia—			
Crude and ground .. .. .	20,363	23,323	28,369
Calcined .. .. .	17,318	19,610	15,309

## IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Crude .. .. .	26,639	26,067	} 16,762
Calcined .. .. .	4,975	4,060	
Estonia .. .. .	40	17	35
Finland (total imports)—			
Crude .. .. .	17,030	22,812	28,118
Calcined .. .. .	13,569	19,302	19,239
France—			
Alabaster .. .. .	35	40	16
Crude and calcined .. .. .	2,049	1,832	1,061
Germany—			
Gypsum and phosphatic gypsum..	28,106	16,577	14,779
Greece .. .. .	16	33	(a)
Hungary—			
Crude .. .. .	7,192	11,688	(a)
Ground .. .. .	103	96	59
Calcined .. .. .	11,355	13,230	11,770
Iceland .. .. .	12	24	(a)
Italy—			
Crude .. .. .	—	—	1
Calcined .. .. .	10	41	20
Latvia—			
Crude and ground .. .. .	32	33	23
Lithuania—			
Ground and calcined .. .. .	236	324	589
Netherlands .. .. .	17,662	21,249	23,145
Norway—			
Crude .. .. .	11,376	14,852	15,739
Ground .. .. .	3,002	2,864	2,519
Poland—			
Crude .. .. .	—	33	—
Ground and calcined .. .. .	1,137	1,444	1,480
Portugal—			
Crude .. .. .	4,955	8,257	(a)
Calcined .. .. .	147	125	(a)
Sweden—			
Crude .. .. .	28,907	35,754	38,400
Calcined .. .. .	7,660	8,535	9,632
Switzerland—			
Ground and calcined .. .. .	1,130	1,331	1,165
U.S.S.R.—			
Crude .. .. .	—	773	(a)
Yugoslavia—			
Ground and calcined .. .. .	183	187	258

(a) Information not available.

## IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Alabaster .. .. .	1	1	1
Calcined .. .. .	892	493	541
Angola—			
Crude and calcined .. ..	15	(a)	(a)
Egypt—			
Crude and ground .. .. .	50	25	1
Calcined .. .. .	3,282	2,954	2,602
Libya .. .. .	220	349	449
Madagascar .. .. .	3	5	(a)
Morocco (French) .. .. .	1,061	439	(a)
Morocco (Spanish) .. .. .	52	37	24
Mozambique—			
Crude .. .. .	295	363	(a)
Calcined .. .. .	12	7	(a)
Tunis—			
Alabaster .. .. .	—	1	1
Calcined .. .. .	425	168	126
Costa Rica .. .. .	(a)	(a)	19
Cuba (total imports) .. .. .	1,167	1,567	(a)
United States—			
Crude .. .. .	604,455	801,325	704,842
Ground .. .. .	1,227	1,528	1,327
Calcined .. .. .	402	315	332
Argentina .. .. .	333	570	318
Bolivia .. .. .	(a)	57	(a)
Chile .. .. .	33	66	(a)
Colombia—			
Ground .. .. .	182	250	149
Peru—			
Crude .. .. .	2	7	12
Calcined .. .. .	17	11	15
Uruguay—			
Ground .. .. .	846	950	841
Venezuela .. .. .	—	85	(a)
China .. .. .	92	20	5,545
Formosa .. .. .	380	226	(a)
French Indo-China—			
Crude .. .. .	8,178	6,051	87
Ground .. .. .	53	242	164
Japan (total imports) .. .. .	16,910	11,163	11,027
Korea (total imports) .. .. .	6,333	—	29,437
Manchuria .. .. .	16,638	18,554	43,055
Netherlands East Indies .. .. .	2,873	6,735	(a)
Philippine Islands .. .. .	4,697	5,474	4,325
Syria and Lebanon .. .. .	5,818	1,257	1,128

(a) Information not available.

## IRON AND STEEL

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

Producing Country.	Ore.			Estimated Iron Content.		
	1936	1937	1938	1936	1937	1938
<b>BRITISH EMPIRE</b>						
United Kingdom (b)	12,701,386	14,214,995	11,859,191	3,810,416	4,264,499	3,557,757
Northern Rhodesia	2	520	205	1	260	100
Sierra Leone						
(shipments)	566,595	633,985	861,955	323,000	361,400	491,300
South West Africa	—	14,054	23,484	—	6,605	11,038
Union of South Africa	359,219	454,505	497,336	231,373	290,701	314,462
Newfoundland ..	893,308	1,609,718	1,680,213	464,000	837,000	873,000
Burma .. ..	26,316	25,426	18,050	17,000	16,500	12,000
India .. ..	2,526,931	2,870,832	2,743,675	1,620,000	1,840,000	1,760,000
Federated Malay States .. ..	449	1,147	923	(a)	(a)	(a)
Unfederated Malay States .. ..	1,654,547	1,660,342	1,580,915	1,060,000	1,060,000	1,010,000
Australia .. ..	1,889,599	1,871,631	2,250,491	1,247,000	1,235,000	1,485,000
New Zealand ..	—	571	1,218	—	250	540
<b>TOTAL ..</b>	<b>20,620,000</b>	<b>23,360,000</b>	<b>21,520,000</b>			
<b>FOREIGN COUNTRIES</b>						
Austria .. ..	1,008,110	1,854,927	2,605,000	358,062	661,043	900,000
Belgium .. ..	187,649	261,415	(a)	86,000	118,000	(a)
Bulgaria .. ..	6,159	11,732	16,506	4,003	7,486	9,880
Czecho-Slovakia ..	1,072,414	1,807,490	(a)	346,626	589,960	
France .. ..	32,775,667	37,252,386	32,904,045	11,500,000	13,000,000	11,500,000
Germany .. ..	7,450,638	9,636,974	10,942,200	2,222,989	2,715,044	3,064,000
Greece .. ..	275,845	295,752	(a)	131,522	146,034	(a)
Hungary .. ..	275,256	285,463	364,091	92,293	95,716	121,000

\* For detailed figures see page 178.

(a) Information not available.

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

1936 .. ..	7,224	long tons.
1937 .. ..	8,243	" "
1938 .. ..	6,454	" "

## PRODUCTION OF IRON ORE (Cont.)

Producing Country	Ore.			Estimated Iron Content.		
	1936	1937	1938	1936	1937	1938
<b>FOREIGN COUNTRIES</b> (Cont.)						
Italy .. ..	843,921	1,000,219	989,829	441,928	520,000	515,000
Luxemburg ..	4,818,667	7,643,597	5,059,443	1,452,872	2,205,083	1,482,780
Norway .. ..	833,435	992,301	1,400,000	542,020	643,754	910,000
Poland .. ..	461,253	767,830	858,369	147,000	244,000	265,000
Portugal .. ..	6,436	7,578	(a)	3,500	3,012	(a)
Roumania ..	106,835	127,022	136,748	48,000	57,000	62,000
Spain .. ..	2,013,578	975,132	2,474,125	950,000	460,000	1,160,000
Sweden .. ..	11,065,890	14,711,555	13,701,955	6,744,145	8,991,129	8,277,616
Switzerland ..	10,000	70,000	150,000	(a)	(a)	(a)
(estimated)						
U.S.S.R. (c) ..	27,477,000	26,000,000	27,000,000	(a)	(a)	(a)
Yugoslavia ..	443,738	609,713	597,523	222,000	305,000	300,000
Algeria .. ..	2,136,248	2,386,927	2,985,582	1,132,000	1,265,000	1,500,000
Morocco (French)	—	65,744	265,547	—	(a)	(a)
Morocco (Spanish)	1,030,501	1,402,231	1,320,468	625,682	840,719	792,000
Tunis .. ..	715,000	928,858	809,070	367,000	471,806	421,857
Cuba (Shipments)	449,612	488,420	152,099	200,000	220,000	70,000
Mexico .. ..	121,176	133,869	109,920	77,630	88,300	71,500
United States (b)	49,729,264	73,434,520	28,756,142	24,900,000	36,700,000	14,400,000
Brazil .. ..	109,244	182,708	362,690	(a)	(a)	(a)
Chile .. ..	1,332,325	1,505,542	1,581,670	802,592	920,000	950,000
French Indo-China	9,859	32,764	128,240	4,793	16,109	70,746
Japan .. ..	742,500	(a)	(a)	(a)	(a)	(a)
Korea .. ..	230,700	204,200	(a)	(a)	(a)	(a)
Manchuria ..	2,583,000	(a)	(a)	(a)	(a)	(a)
Philippine Islands	529,041	681,698	856,310	296,000	382,000	479,534
Turkey .. ..	—	—	19,980	—	—	13,290
New Caledonia ..	—	—	35,707	—	—	18,525
<b>TOTAL ..</b>	<b>151,000,000</b>	<b>190,000,000</b>	<b>144,000,000</b>			
<b>WORLD'S TOTAL</b>	<b>172,000,000</b>	<b>213,000,000</b>	<b>165,000,000</b>			

Iron ore is also produced in China.

(a) Information not available.

(b) Including shipments of manganese iron ore up to 35 per cent. Mn.

(c) Estimated for 1937 and 1938.

## DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country.	1936	1937	1938
Great Britain—			
West Coast hematite ..	879,907	856,905	795,053
Jurassic ironstones—			
Lower lias .. ..	2,962,199	3,044,707	2,505,378
Middle lias .. ..	3,527,783	4,037,669	2,977,053
Inferior oolite .. ..	4,927,394	5,836,522	5,243,512
Coal measure ironstones ..	174,165	178,645	150,060
Other iron ore (hematite, limonite, etc.) .. ..	229,938	260,547	188,135
South West Africa—			
Limonite .. ..	—	14,054	23,484
Union of South Africa—			
Hematite .. ..	301,300	380,394	391,239
Siliceous hematite .. ..	57,919	74,111	72,859
Magnetite .. ..			33,238
Belgium—			
Oolitic limonite and hematite .. ..	168,949	241,121	(a)
Limonite .. ..	18,700	20,294	(a)
Bulgaria—			
Hematite .. ..	6,159	1,398	1,940
Magnetite .. ..		10,334	14,566
France—			
By phosphorus content—			
To 0.075% .. ..	42,154	(b) 81,976	(b) 129,771
Over 0.075% to 1.7% ..	1,806,353	(b) 2,243,861	(b) 1,946,669
Over 1.7% .. ..	30,927,160	(b) 35,485,085	(b) 30,538,877
Germany—			
Limonite (under 12% Mn)	4,168,201	5,498,937	7,297,737
Limonite (12-30% Mn) ..	227,996	212,967	
Hematite .. ..	445,542	505,901	424,473
Siderite .. ..	1,968,473	2,091,499	1,790,309
Flux ironstone .. ..	227,825	232,190	294,092
Magnetite .. ..	53,935	71,159	1,135,589
Other ores .. ..	358,666	1,024,321	
By phosphorus content—			
To 0.05% .. ..	2,219,770	3,565,830	(a)
Over 0.05 to 0.1% ..	272,369	255,441	(a)
Over 0.1 to 0.5% ..	2,435,941	2,642,777	(a)
Over 0.5 to 0.75% ..	288,616	689,884	(a)
Over 0.75 to 1.0% ..	1,232,234	1,495,129	(a)
Over 1.0% .. ..	1,001,708	987,913	(a)

(a) Information not available.

(b) Sales.

## DETAILS OF PRODUCTION OF IRON ORE (Cont.)

Producing Country.	1936	1937	1938
Italy—			
Iron ore . . . . .	825,585	982,046	974,407
Manganiferous iron ore ..	18,336	18,173	15,422
Luxemburg—			
Siliceous iron ore .. ..	3,053,923	3,985,281	2,656,987
Calcareous iron ore .. ..	1,588,219	3,367,884	2,144,144
Ferruginous limestones ..	176,525	290,432	258,312
By phosphorus content—			
Under 0.5% .. .. .	—	—	1,774,764
From 0.5 to under 0.6%	1,371,858	3,052,382	258,312
From 0.6 to 0.7%	3,446,809	4,591,215	3,026,367
Poland—			
Limonite .. .. .	64,241	107,034	113,142
Argillaceous iron ore ..	397,012	660,796	745,227
Portugal—			
Hematite .. .. .	6,436	7,578	(a)
Roumania—			
Limonite, siderite and magnetite .. ..	106,835	127,022	136,748
Sweden—			
By phosphorus content—			
Under 0.01% .. .. .	1,146,471	1,282,698	1,519,046
0.01% to under 0.05%	1,237,566	1,831,681	1,622,091
0.05% to under 0.1%	371,887	392,224	406,116
0.1% to under 0.6%	1,324,680	1,856,448	1,820,379
0.6% to under 1.0%	2,702,368	3,571,647	3,194,758
1% and over .. .. .	4,288,961	5,781,696	5,139,565
Algeria—			
Non-phosphoric .. .. .	2,136,248	2,386,927	2,985,582
United States—			
Ore containing less than 5% Mn—			
Hematite* .. .. .	46,107,680	68,072,781	25,607,467
Magnetite* .. .. .	2,205,643	3,353,861	2,476,221
Limonite .. .. .	474,889	666,374	363,146
Siderite .. .. .	533	532	448
Ore containing 5 to under 10% Mn .. .. .	841,557	1,189,017	275,240
Ore containing 10 to under 35% Mn .. .. .	98,962	151,955	33,620
Turkey—			
Magnetite .. .. .	—	—	19,980

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

(a) Information not available.

## EXPORTS OF IRON ORE

*(Domestic Produce)*

(Long tons)

Exporting Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	3,157	3,122	1,286
Eire—			
Bog ore .. ..	235	490	298
Burnt pyrites .. ..	22,036	20,254	25,318
Sierra Leone .. ..	577,692	633,985	861,955
Newfoundland .. ..	761,817	1,787,025	1,670,686
British India .. ..	1,709	8,086	264,269
British Malaya (c) .. ..	1,612,309	1,539,202	1,531,729
Australia .. ..	376,418	115,521	144,388
FOREIGN COUNTRIES			
Austria .. ..	209,619	377,380	82,931
Belgium-Luxemburg E.U. ..	920,607	2,247,226	2,014,841
Bulgaria .. ..	6,390	15,046	7,479
Czecho-Slovakia .. ..	72,780	178,743	199,808
Finland .. ..	28,950	27,235	18,508
France .. ..	17,963,536	19,015,743	15,268,211
Germany .. ..	5,795	9,980	5,301
Greece .. ..	143,202	332,862	303,662
Hungary (including burnt pyrites) .. ..	41,840	56,728	6,215
Italy .. ..	49	52	158
Netherlands .. ..	—	(c)2,441	—
Norway .. ..	979,546	1,009,691	1,473,495
Poland .. ..	380	13,406	6,719
Portugal .. ..	—	7,578	(a)
Roumania .. ..	24,207	33,652	40,618
Sweden .. ..	11,020,972	13,744,075	12,484,807
Switzerland .. ..	31,330	146,232	131,882
U.S.S.R. .. ..	25,485	345,938	(b) 7,086
Yugoslavia .. ..	308,526	492,236	368,300

(a) Information not available.

(b) January to November only.

(c) Including re-exports.



## EXPORTS OF IRON ORE (Cont.)

Exporting Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria .. .. .	2,139,181	2,516,035	2,711,110
Morocco (French) .. .. .	5,617	26,170	132,480
Morocco (Spanish) .. .. .	1,168,412	1,251,711	1,336,047
Tunis (c) .. .. .	785,505	959,068	789,867
Cuba .. .. .	340,044	374,491	149,642
Mexico .. .. .	3,285	25,577	14,170
United States .. .. .	645,284	1,264,102	591,524
Brazil .. .. .	109,244	182,708	362,690
Chile .. .. .	1,328,365	1,449,476	1,529,000
China .. .. .	1,282,130	577,267	77,392
French Indo-China .. .. .	1,140	12,406	87,818
Japan .. .. .	(a)	445	3
Korea .. .. .	239,051	436,317	361,358
Manchuria .. .. .	309	2,290	(a)
Netherlands East Indies .. .. .	—	30	(a)
Philippine Islands .. .. .	644,120	591,693	896,565
Turkey .. .. .	—	—	287

(a) Information not available.

(c) Including re-exports.

## IMPORTS OF IRON ORE

*(Less Re-exports)*

(Long tons)

Importing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	5,960,385	7,038,753	5,164,149
Eire .. .. .	18	70	70
Canada .. .. .	1,175,922	1,897,296	1,162,884
British India .. .. .	4	3	16
Burma .. .. .	(d)	(d)200	—
FOREIGN COUNTRIES			
Austria .. .. .	2,530	7,589	3,456
Belgium-Luxemburg E.U. ..	10,548,859	12,214,665	9,245,450
Czecho-Slovakia .. .. .	546,139	1,475,826	994,917
Finland (b) .. .. .	508	1,234	2,061
France.. .. .	385,340	906,032	430,053
Germany .. .. .	18,177,642	20,295,198	21,581,224
Hungary (including burnt pyrites) .. .. .	350,795	452,724	412,694
Italy .. .. .	39,612	180,126	379,699
Netherlands .. .. .	480,977	600,370	481,675
Norway .. .. .	2,199	1,638	2,200
Poland .. .. .	340,436	540,374	578,759
Roumania .. .. .	87,573	97,325	112,521
Sweden .. .. .	46	74	103
Switzerland (c) .. .. .	49,275	49,362	49,412
Yugoslavia .. .. .	30	—	30
Algeria .. .. .	980	197	—
Tunis .. .. .	1,810	1,525	2,400
United States.. .. .	2,232,229	2,442,069	2,122,516
Bolivia .. .. .	(a)	70	(a)
China .. .. .	1,639	—	—
Japan (b) .. .. .	3,720,408	(a)	(a)
Korea (b) .. .. .	47,199	(a)	(a)
Turkey .. .. .	1,573	266	258

(a) Information not available.

(b) Total imports.

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

(d) Included with India prior to April 1, 1937.

## TOTAL IMPORTS OF IRON ORE INTO THE UNITED KINGDOM BY PORTS

(Long tons)

Port.	1936	1937	1938
ENGLAND AND WALES			
North-East—			
Grimsby, including Immingham ..	403,887	400,099	290,469
Hartlepool .. .. .	—	72,349	78,333
Middlesbrough .. .. .	2,006,850	2,410,576	1,662,602
Newcastle, including Shields ..	445,041	418,318	402,031
Stockton .. .. .	828	—	388
Sunderland .. .. .	55,434	121,515	54,099
South-East—			
London .. .. .	401,646	368,753	204,573
North-West—			
Barrow-in-Furness .. .. .	142,419	232,423	293,953
Liverpool .. .. .	288,949	279,064	196,657
Manchester .. .. .	152,576	184,817	64,290
Maryport .. .. .	—	1,183	—
Workington, including Harrington	291,884	357,853	289,680
South-West—			
Cardiff .. .. .	552,023	607,106	497,169
Newport .. .. .	3,342	208,918	95,345
Port Talbot .. .. .	437,574	460,447	327,434
Chester .. .. .	—	28	—
SCOTLAND			
Ardrossan .. .. .	109,439	91,893	40,288
Glasgow .. .. .	369,010	496,372	460,258
Grangemouth .. .. .	276,263	280,766	183,329

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

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	7,721,400	8,493,100	6,761,100
Union of South Africa .. ..	198,994	271,887	289,822
Canada .. ..	754,515	980,927	758,421
India .. ..	1,543,319	1,629,301	1,570,712
Australia (b) .. ..	783,233	947,948	926,678
Total ..	11,000,000	12,320,000	10,310,000
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	244,192	381,479	(c)
Belgium .. ..	3,111,411	3,743,675	2,425,870
Czecho-Slovakia .. ..	1,121,883	1,648,609	1,214,500
Finland .. ..	12,900	23,616	(a)
France .. ..	6,132,019	7,789,211	5,965,575
Germany .. ..	15,060,796	15,707,743	(c)18,220,130
Hungary .. ..	301,452	352,282	329,724
Italy .. ..	802,878	860,497	914,177
Luxemburg .. ..	1,955,229	2,472,814	1,526,212
Netherlands .. ..	270,542	306,849	295,276
Norway .. ..	164,714	178,375	(a)
Poland .. ..	575,152	712,857	948,367
Roumania .. ..	95,563	125,225	128,328
Spain .. ..	217,328	126,000	432,949
Sweden .. ..	621,231	680,721	702,309
U.S.S.R.(e) .. ..	14,316,300	14,291,000	14,756,000
Yugoslavia .. ..	43,751	39,291	58,326
Belgian Congo .. ..	—	556	(a)
Mexico .. ..	86,642	88,300	(a)
United States.. ..	31,029,187	37,127,277	19,160,861
Brazil .. ..	77,179	96,552	116,707
Japan .. ..	2,039,708	} 2,758,858	(a)
Korea .. ..	213,328		
Manchuria .. ..	637,000	(a)	(a)
Philippine Islands (estimated)	200	200	(a)
Total (d) ..	79,300,000	90,300,000	71,000,000
WORLD'S TOTAL ..	90,300,000	102,500,000	91,000,000

\* For details see page 185.

(a) Information not available.

(b) Years ended June 30.

(c) Austria included with Germany from March 15, 1938.

(d) Including an allowance for China. (e) Excluding ferro-alloys.

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

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Hematite .. .. .	1,727,800	1,865,900	1,483,600
Basic .. .. .	4,342,900	4,689,000	3,762,600
Foundry .. .. .	1,309,700	1,567,300	1,215,800
Forge .. .. .	147,000	176,400	150,900
Castings .. .. .	8,600	7,200	4,300
Other kinds of pig-iron ..	36,700	40,000	13,700
Spiegeleisen .. .. .	17,600	18,400	25,800
Ferro-manganese .. .. .	120,000	122,100	104,400
Ferro-silicon .. .. .	11,100	6,800	—
Canada—			
Basic .. .. .	530,929	721,711	555,348
Foundry .. .. .	85,043	105,409	81,973
Malleable .. .. .	62,259	71,735	67,778
Ferro-alloys .. .. .	76,284	82,072	53,322
India—			
Basic .. .. .	998,356	1,072,857	984,661
Foundry and forge .. .. .	541,700	542,580	564,518
Ferro-manganese .. .. .	3,263	13,864	21,533
FOREIGN COUNTRIES			
Austria—			
Basic .. .. .	243,985	376,171	(b)
Foundry .. .. .	207	5,308	(b)
Belgium—			
Basic .. .. .	2,937,502	3,582,826	} 2,425,870
Forge .. .. .	42,045	26,387	
Foundry, hematite .. .. .	34,191	38,758	
do. phosphoric .. .. .	82,910	95,704	
Ferro-alloys .. .. .	14,763	—	
Czecho-Slovakia—			
Open hearth .. .. .	726,521	1,079,632	} 1,214,500
Bessemer .. .. .	267,124	332,437	
Foundry .. .. .	108,062	205,410	
Spiegeleisen .. .. .	4,659	9,131	
Ferro-manganese .. .. .	15,517	21,999	

(b) Included with Germany from March 15, 1938.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland—			
Pig-iron .. .. .	4,030	16,148	(a)
Ferro-alloys .. ..	8,870	7,468	(a)
France—			
Phosphoric (over 1% P)—			
Basic .. .. .	5,102,628	6,218,391	4,693,721
Foundry .. .. .	481,857	679,054	586,656
Other kinds .. ..	443	741	468
Semi-phosphoric (over 0.12% to 1% P)—			
Foundry .. .. .	62,398	64,810	63,343
Open hearth, basic ..		28,307	33,938
Hematite (0.12% or less P)—			
Foundry .. .. .	140,210	284,367	222,161
Open hearth .. ..	181,419	302,783	204,153
Other kinds .. ..	2,638		
Spiegeleisen .. ..	66,867	100,226	69,507
Ferro-manganese .. ..	44,634	63,687	49,833
Ferro-silicon .. ..	25,294	26,537	19,828
Other ferro-alloys ..	23,631	20,308	21,967
Germany—			
Hematite .. .. .	732,219	731,370	(b) 778,395
Basic .. .. .	10,179,000	10,491,956	(b) 11,922,603
Foundry .. .. .	988,667	958,453	(b) 912,181
Forge, etc. .. .. .	227,853	334,324	(b) 330,977
Special pig-irons and ferro- alloys .. .. .	2,933,057	3,191,640	(b) 4,275,974
Italy—			
Hematite .. .. .	360,356	788,527	850,881
Bessemer .. .. .	76,483		
Foundry, hematite phosphoric .. .. .	39,001 8,845		
Other pig-iron .. ..	265,131		
Spiegeleisen .. ..	16,572	19,463	21,407
Ferro-manganese .. ..	14,738	19,442	19,802
Ferro-silicon .. ..	3,352	16,905	11,082
Ferro-silico-manganese ..	4,488	2,858	2,153
Ferro-chrome .. ..	2,216	4,301	2,864
Ferro-silico-chrome .. ..	1,357	1,551	—
Ferro-titanium .. ..	38	260	143
Ferro-tungsten .. ..	125	266	181

(a) Information not available.

(b) Austria included with Germany from March 15, 1938.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—(cont.)			
Ferro-vanadium .. ..	22	45	62
Ferro-molybdenum .. ..	47	23	249
Ferro-silico-aluminium .. ..	8,300	229	190
Other ferro-alloys .. ..	1,807	8,430	5,163
Luxemburg—			
Basic .. .. .	1,951,367	2,458,548	1,514,443
Foundry .. .. .	3,862	14,266	11,769
Norway—			
Pig-iron .. .. .	32,193	35,514	(a)
Ferro-silicon .. .. .	40,858	32,767	(a)
Other ferro-alloys .. ..	91,663	110,094	(a)
Poland—			
Open hearth .. .. .	35,860	49,791	58,959
Foundry .. .. .	80,175	86,690	111,138
Acid.. .. .	430,791	527,603	749,396
Castings .. .. .	337	393	199
Ferro-alloys .. .. .	27,989	48,380	28,675
Roumania—			
Basic .. .. .	65,132	} 125,225	128,328
Foundry .. .. .	29,847		
Spiegeleisen .. .. .	584		
Sweden (b)—			
Open hearth, acid .. ..	164,229	211,333	218,890
do. basic.. .. .	92,595	110,297	101,415
Bessemer, acid .. .. .	31,935	24,754	16,240
do. basic .. .. .	169,749	160,877	196,130
Foundry .. .. .	83,337	91,005	97,499
Forge .. .. .	27,248	28,286	44,121
Castings .. .. .	9,384	10,813	10,065
Spiegeleisen .. .. .	—	608	659
Ferro-manganese .. ..	1,072	1,478	2,368
Ferro-silicon .. .. .	13,567	13,844	14,124
Ferro-silico-manganese .. ..	6,921	7,124	5,019
Ferro-chrome .. .. .	18,693	17,750	18,978
Ferro-tungsten .. .. .	1,764	2,037	1,911
Ferro-molybdenum .. ..	202	439	465
Ferro-vanadium .. .. .	22	76	57
Other ferro-alloys .. ..	513	—	2

(a) Information not available.

(b) In addition the following amounts of metallic silicon were produced :—

1936 .. .. .	528 long tons.
1937 .. .. .	1,201 ..
1938 .. .. .	1,366 ..

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—			
Basic .. ..	20,476,921	24,780,789	12,888,079
Bessemer and low phosphorus .. ..	5,876,762	6,315,382	3,053,702
Foundry .. ..	2,030,991	2,826,238	1,570,582
Forge .. ..	33,671	22,399	687
Malleable .. ..	1,717,057	2,115,106	1,002,435
Other pig-iron .. ..	81,145	69,682	30,585
Ferro-manganese and spiegeleisen .. ..	395,119	515,781	290,790
Ferro-silicon .. ..	360,490	412,432	282,521
Other ferro-alloys .. ..	57,031	69,468	41,480
Japan—			
Coke pig-iron .. ..	1,940,936	(a)	(a)
Charcoal pig-iron .. ..	5,944	(a)	(a)
Other pig-iron .. ..	28,985	(a)	(a)
Ferro-manganese .. ..	38,084	(a)	(a)
Spiegeleisen .. ..	225	(a)	(a)
Ferro-silicon .. ..	15,071	(a)	(a)
Ferro-chrome .. ..	6,322	(a)	(a)
Ferro-tungsten .. ..	440	(a)	(a)
Ferro-molybdenum .. ..	196	(a)	(a)
Other ferro-alloys .. ..	3,505	(a)	(a)

(a) Information not available.



PRODUCTION OF STEEL INGOTS AND CASTINGS\*  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. ..	11,784,600	12,984,000	10,397,900
Union of South Africa ..	244,200	279,700	294,822
Canada .. .. .	1,115,779	1,402,882	1,155,995
India .. .. .	865,770	895,229	936,493
Australia (c) .. .. .	820,395	1,097,639	1,160,000
Total ..	14,800,000	16,700,000	13,900,000
FOREIGN COUNTRIES			
Austria .. .. .	411,790	639,457	(b)
Belgium .. .. .	3,118,340	3,801,586	2,248,600
Czecho-Slovakia .. .. .	1,514,014	2,254,879	1,710,000
France .. .. .	6,580,128	7,794,997	6,087,902
Germany .. .. .	18,459,495	19,050,372	(e)22,874,857
Hungary .. .. .	544,000	655,000	(a)
Italy .. .. .	1,993,521	2,065,582	2,270,961
Latvia .. .. .	2,554	2,855	2,598
Luxemburg .. .. .	1,949,766	2,470,588	1,413,818
Poland .. .. .	1,122,512	1,428,023	1,526,583
Roumania .. .. .	216,606	235,495	270,979
Spain .. .. .	463,583	165,354	463,361
Sweden .. .. .	961,922	1,088,141	956,669
U.S.S.R. .. .. .	16,338,200	17,149,000	17,500,000
Mexico .. .. .	133,418	(a)	72,471
United States (d) .. .. .	47,767,856	50,568,701	28,349,991
Brazil .. .. .	72,504	75,223	88,238
Japan .. .. .	5,140,527	} 5,719,488	(a)
Korea .. .. .	85,640		
Manchuria .. .. .	338,617	(a)	(a)
Total ..	107,200,000	115,600,000	92,000,000
WORLD'S TOTAL ..	122,000,000	132,300,000	106,000,000

\* For details see page 190.

(a) Information not available.

(b) Included with Germany from March 15, 1938.

(c) Years ended June 30.

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

(e) Includes Austria from March 15, 1938.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS IN  
CERTAIN COUNTRIES  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ingots—			
Open hearth, acid ..	2,111,800	2,215,000	1,665,000
basic ..	8,760,600	9,660,000	7,730,900
Converter, acid ..	238,600	254,600	163,900
basic ..	323,600	417,600	430,600
Electric .. ..	108,100	154,600	159,500
Castings, electric ..	44,500	60,800	63,200
other .. ..	197,400	221,400	184,800
Canada—			
Ingots, open hearth ..	1,037,713	1,274,992	1,049,546
electric .. ..	43,836	61,236	55,881
Castings—			
Open hearth, basic ..	10,208	23,827	15,620
Bessemer .. ..	575	1,016	643
Electric .. ..	23,447	41,811	34,305
India—			
Ingots—			
Open hearth, basic ..	314,668	324,442	316,867
Duplex steel (b) ..	548,012	566,483	612,304
Electric .. ..	38	1,128	3,309
Castings .. ..	3,052	3,176	4,013
FOREIGN COUNTRIES			
Austria—			
Open hearth .. ..	334,040	531,571	} (c)
Electric .. ..	77,750	107,886	
Belgium—			
Ingots, open hearth ..	327,298	441,889	} 2,177,600
Bessemer, basic ..	2,688,468	3,245,785	
electric .. ..	39,329	29,940	
Castings, open hearth ..	15,924	38,177	} 71,000
converter .. ..	44,654	40,057	
electric .. ..	2,667	5,738	
Czecho-Slovakia—			
Ingots—			
Open hearth, acid ..	33,350	44,279	(a)
basic .. ..	1,217,593	1,818,039	(a)
Bessemer, basic .. ..	159,633	225,475	(a)
Electric .. ..	75,859	120,016	(a)
Crucible .. ..	44	59	(a)

(a) Information not available.

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

(c) Included with Germany from March 15, 1938.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—(cont.)			
Castings—			
Open hearth, acid ..	3,967	5,732	(a)
basic ..	12,567	21,009	(a)
Electric .. ..	10,980	20,251	(a)
Crucible .. ..	21	19	(a)
France—			
Ingots—			
Open hearth, acid ..	29,709	20,306	15,434
basic ..	1,874,964	2,170,729	1,968,280
Bessemer, basic ..	4,316,704	5,166,638	3,675,565
Crucible .. ..	10,301	14,200	17,454
Electric .. ..	233,028	272,031	259,576
Castings—			
Open hearth, acid ..	782	346	1,669
basic ..	59,970	63,012	56,327
Bessemer, acid ..	39,832	47,044	47,909
basic ..	795	834	829
Crucible .. ..	1,013	888	844
Electric .. ..	35,052	38,969	44,013
Germany (b)—			
Ingots—			
Open hearth, acid ..	186,751	169,244	178,553
basic ..	9,985,030	10,340,981	11,934,570
Bessemer, basic ..	7,746,153	7,836,391	9,161,632
acid .. ..	—	—	10
Crucible .. ..	5,783	7,114	} 762,937
Electric .. ..	373,598	517,392	
Castings .. ..	162,180	179,250	837,155
Italy—			
Ingots .. ..			
Open hearth .. ..	1,389,873	} 1,994,298	} 2,181,325
Bessemer .. ..	8,123		
Electric .. ..	525,939		
Castings .. ..			
Open hearth .. ..	7,607	} 71,284	} 89,636
Bessemer .. ..	33		
Electric .. ..	61,946		
Luxemburg—			
Ingots, open hearth ..			
Bessemer, basic ..	6,722	8,962	348
electric .. ..	1,934,117	2,452,624	1,367,411
electric .. ..	8,927	9,002	46,059

(a) Information not available.

(b) The 1938 figure includes Austria from March 15.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Poland—			
Open hearth .. ..	1,087,799	1,376,463	1,468,197
Electric .. ..	24,829	36,335	39,105
Castings .. ..	9,884	15,225	19,281
Roumania—			
Open hearth .. ..	168,281	} 235,495	270,979
Electric .. ..	48,325		
Sweden—			
Open hearth, acid ..	225,990	267,882	216,179
basic .. ..	423,997	462,416	401,713
Bessemer, acid .. ..	15,690	16,126	11,912
basic .. ..	92,806	91,428	103,785
Crucible .. ..	475	487	407
Electric .. ..	202,964	249,802	222,673
United States—			
Ingots—			
Open hearth, acid ..	278,406	333,473	194,845
basic (c) ..	43,070,917	45,719,507	25,666,719
Bessemer .. ..	3,458,457	3,449,927	1,880,661
Crucible .. ..	816	934	6
Electric .. ..	704,213	814,310	468,610
Castings (b)—			
Open hearth, acid ..	142,896	166,320	77,492
basic (c) ..	43,909	53,003	25,244
Electric .. ..	68,242	31,227	36,414
Japan—			
Ingots—			
Open hearth .. ..	4,787,248	(a)	(a)
Bessemer .. ..	1,472	(a)	(a)
Crucible .. ..	1,218	(a)	(a)
Electric .. ..	226,804	(a)	(a)
Castings—			
Open hearth .. ..	35,910	(a)	(a)
Bessemer .. ..	2,961	(a)	(a)
Electric .. ..	84,673	(a)	(a)
Crucible .. ..	241	(a)	(a)

(a) Information not available.

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

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

1936	.. ..	2,099,102	long tons
1937	.. ..	2,907,890	.. ..
1938	.. ..	1,183,623	.. ..

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge and foundry .. .. .	57,484	87,025	44,304
Acid .. .. .	41,927	65,751	25,690
Basic .. .. .	207	573	23,947
Spiegeleisen and ferro-manganese	9,424	11,041	5,197
Ferro-tungsten .. .. .	960	1,060	517
Other ferro-alloys .. .. .	1,569	1,491	1,048
Iron and steel ingots .. .. .	2,551	952	41
Blooms, billets and slabs—			
Iron .. .. .	68	203	196
Steel .. .. .	7,633	10,414	8,994
Special steel .. .. .	106	140	142
Old and scrap .. .. .	139,280	230,827	186,319
Eire—			
Old and scrap .. .. .	33,145	43,722	25,527
Mauritius—			
Old and scrap .. .. .	—	3,872	2,446
Union of South Africa—			
Pig-iron, etc. .. .. .	86	74	105
British West Indies—			
Trinidad and Tobago—			
Old and scrap .. .. .	157	679	7
Canada—			
Pig-iron .. .. .	13,904	38,516	10,546
Ferro-silicon .. .. .	7,301	22,321	12,492
Other ferro-alloys .. .. .	44,273	21,074	16,866
Billets, ingots and blooms .. .. .	79,505	75,720	66,430
Old and scrap .. .. .	200,143	128,551	76,002
British India(b)—			
Pig-iron .. .. .	606,566	598,206	525,488
Old and scrap (including re-exports)	149,594	161,446	78,849
British Malaya (including re-exports)—			
Pig-iron .. .. .	132	169	34
Scrap .. .. .	13,310	26,594	3,318
Burma—			
Old and scrap .. .. .	(c)	(c) 5,563	4,581

(b) Includes trade by land as recorded.

(c) Included with India prior to April 1, 1937.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Ceylon—			
Old and scrap .. .. .	(a)	280	153
Hong-Kong (including re-exports)—			
Pig-iron .. .. .	922	1,493	986
Tool steel .. .. .	7	137	290
Old and scrap .. .. .	29,590	25,340	9,387
Palestine—			
Old and scrap .. .. .	991	(a)	(a)
Australia—			
Pig-iron .. .. .	4,614	5,924	7,855
Ingots, blooms, billets, etc. ..	1,317	1,746	6,805
Old and scrap .. .. .	56,031	47,317	64,196
FOREIGN COUNTRIES.			
Austria—			
Pig-iron .. .. .	20,254	53,058	8,333
Ferro-silicon .. .. .	2,206	2,459	1,267
Other ferro-alloys .. .. .	108	99	36
Iron ingots, blooms and billets ..	29,337	57,221	6,506
Steel ingots, blooms and billets ..	3,716	6,173	2,677
Old and scrap .. .. .	18,591	11,815	4,847
Belgium-Luxemburg E.U.—			
Pig-iron and ferro-alloys .. ..	61,714	48,219	181,401
Crude iron ingots .. .. .	1,477	3,728	124
Steel ingots .. .. .	504	16,081	12,831
Steel blooms and billets .. ..	355,404	420,590	172,229
Special steel .. .. .	566	2,413	2,225
Old and scrap .. .. .	537,000	337,460	449,526
Bulgaria—			
Old and scrap .. .. .	1,008	5,098	14
Czecho-Slovakia—			
Pig-iron—			
Foundry .. .. .	6,599	8,031	23,082
Other .. .. .	369	212	1,007
Spiegeleisen .. .. .	827	765	1,892
Other ferro-alloys .. .. .	4,654	4,042	12,963
Billets of cast iron .. .. .	4,088	8,755	50,070
Billets, blooms and bars of puddled iron .. .. .	3,227	4,946	10,705
Steel ingots .. .. .	76	1	12,427
Old and scrap .. .. .	32	15	1,556

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Old and scrap .. .. .	86,565	120,605	85,489
Estonia—			
Old and scrap .. .. .	9,740	13,450	7,202
Finland—			
Pig-iron and ferro-alloys .. ..	6,095	10,225	14,942
Old and scrap .. .. .	84	232	43
France—			
Pig-iron—			
Forged or refined .. .. .	146,565	414,246	514,938
Spiegeleisen .. .. .	592	4,043	4,541
Ferro-manganese .. .. .	7,240	8,876	13,645
Ferro-silicon .. .. .	3,715	7,885	5,719
Ferro-chrome .. .. .	1,005	1,063	1,493
Other ferro-alloys .. .. .	2,030	1,726	1,483
Ingots .. .. .	580	18,791	8,148
Blooms and billets, forged or rolled	284,209	255,363	171,523
Tool steel .. .. .	942	1,856	2,090
Machine iron or steel .. .. .	108,299	129,961	61,027
Other special steel.. .. .	1,022	3,955	3,290
Old, filings and scrap .. .. .	554,119	129,722	437,900
Germany—			
Pig-iron .. .. .	237,341	97,373	60,918
Ferro-manganese .. .. .	14,528	12,638	4,578
Ferro-silicon, etc. .. .. .	33	49	51
Other ferro-alloys .. .. .	9,232	3,505	1,401
Rough blooms, bars, ingots, etc.	187,981	109,254	94,659
Old and scrap .. .. .	56,848	2,612	17,645
Greece—			
Old and scrap .. .. .	11,592	21,205	10,115
Hungary—			
Ingots and blooms .. .. .	42,649	27,343	28,872
Old and scrap .. .. .	—	32	—
Iceland—			
Old and scrap .. .. .	—	5,148	(a)
Italy—			
Pig-iron .. .. .	11,034	3,945	13
Ferro-manganese .. .. .	198	99	10
Ferro-silicon .. .. .	807	33	—
Other ferro-alloys .. .. .	10	14	4
Steel ingots, blooms and sheet bar	1	1	54
Old and scrap .. .. .	44	5	—

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (Cont.)</b>			
Latvia—			
Old and scrap .. .. .	286	231	312
Lithuania—			
Iron and steel ingots, etc. ..	2	—	—
Old and scrap .. .. .	3,463	5,936	1,103
Netherlands—			
Pig-iron and ferro-alloys ..	234,817	236,042	214,116
Ingots, blooms and billets ..	13,594	937	3
Old and scrap .. .. .	295,208	482,083	229,034
Norway—			
Pig-iron—electric .. .. .	23,950	26,133	26,894
Ferro-chrome .. .. .	10,862	14,647	11,421
Ferro-manganese .. .. .	58,400	65,996	36,982
Ferro-silicon .. .. .	29,587	32,921	32,412
Steel .. .. .	2,721	4,276	2,835
Old and scrap .. .. .	29,618	15,721	17,490
Poland—			
Pig-iron .. .. .	—	1,400	8,915
Ferro-manganese .. .. .	8,194	11,132	1,299
Ferro-chrome .. .. .	412	86	93
Ferro-silicon .. .. .	428	793	548
Other ferro-alloys .. .. .	—	—	10
Blooms and billets .. .. .	7	878	2,662
Old and scrap .. .. .	811	1,016	388
Portugal—			
Old and scrap .. .. .	14,865	23,858	(a)
Roumania—			
Pig-iron .. .. .	901	507	3,843
Old and scrap .. .. .	39	3,051	(a)
Sweden—			
Pig-iron .. .. .	76,911	88,445	92,980
Sponge iron .. .. .	4,359	5,113	4,526
Ferro-manganese and spiegeleisen	781	1,118	1,097
Ferro-silicon .. .. .	10,055	12,609	10,699
Ferro-silico-manganese .. .. .	5,230	5,778	3,882
Ferro-chrome .. .. .	12,439	12,916	11,072
Ferro-tungsten .. .. .	1,320	1,762	1,510
Other ferro-alloys .. .. .	138	354	344
Steel ingots .. .. .	6,178	6,432	3,742
Steel blooms .. .. .	855	557	783
Tool steel .. .. .	669	1,005	639
Other special steel.. .. .	4,291	5,849	5,362
Old, filings and scrap .. .. .	13,121	9,466	17,624

(a) Information not available.



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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Ferro-chrome and ferro-silicon .. ..	717	738	943
Old, filings and scrap .. ..	51,276	96,026	76,005
U.S.S.R.—			
Pig-iron .. .. .	699,437	135,104	(b) 2,414
Ferro-manganese .. .. .	294	} 208	(b) —
Ferro-silicon .. .. .	651		(b) —
Ingots .. .. .	4	—	(b) —
Old and scrap .. .. .	11,998	18	(b) —
Yugoslavia—			
Ferro-chrome .. .. .	338	1,046	1,505
Ferro-manganese .. .. .	—	—	2,588
Ferro-silicon .. .. .	1,145	3,145	2,584
Iron ingots .. .. .	—	620	20
Special steel .. .. .	113	120	71
Scrap and filings .. .. .	349	263	2
Algeria—			
Old, filings and scrap .. ..	18,676	9,106	18,884
Belgian Congo—			
Iron and steel, crude .. ..	2	822	—
Egypt (including re-exports)—			
Scrap .. .. .	25,189	38,035	27,145
Morocco (French)—			
Old and scrap .. .. .	9,527	42,886	(a)
Cuba—			
Old and scrap .. .. .	38,220	66,972	(a)
Mexico—			
Pig-iron .. .. .	(a)	2,006	116
United States—			
Pig-iron .. .. .	5,316	782,436	432,851
Ferro-manganese and spiegeleisen	466	1,725	247
Ferro-tungsten, tungsten metal,			
wire, etc. .. .. .	46	201	114
Other ferro-alloys .. .. .	2,482	2,780	1,197
Steel ingots, slabs, blooms, billets			
and sheet bars .. .. .	21,400	338,722	167,641
Old and scrap .. .. .	1,877,136	4,048,102	3,151,026
Argentina—			
Ingots .. .. .	12	10	6

(a) Information not available.

(b) January to September only.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Bolivia—			
Old and scrap .. .. .	(a)	905	(a)
Chile—			
Ingots .. .. .	5	—	(a)
Uruguay—			
Old and scrap .. .. .	—	687	2,978
China—			
Pig-iron .. .. .	65	—	3,921
Old and scrap .. .. .	5	—	23,376
French Indo-China—			
Pig-iron .. .. .	—	33	32
Old and scrap .. .. .	4,419	12,834	1,114
Iran (b)—			
Ingots, old and scrap .. .. .	265	622	3,841
Japan—			
Ingots .. .. .	11,857	(a)	(a)
Old and scrap .. .. .	11,873	(a)	(a)
Korea—			
Pig-iron .. .. .	120,978	(a)	(a)
Manchuria—			
Pig-iron .. .. .	303,827	248,127	(a)
Ingots, billets and blooms .. .. .	50,023	54,046	(a)
Sheet bar .. .. .	85,647	75,960	(a)
Tool steel .. .. .	186	257	(a)
Old and scrap .. .. .	34,600	75,145	(a)
Netherlands East Indies—			
Old and scrap .. .. .	64,823	102,071	59,650
Philippine Islands—			
Old and scrap .. .. .	2,424	6,707	3,916
Syria and Lebanon—			
Old and scrap .. .. .	1,686	7,669	3,923
Turkey—			
Old and scrap .. .. .	6,336	1,573	868

(a) Information not available.

(b) Years ended June 21; includes re-exports.

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

(Less Re-exports)  
(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Charcoal .. .. .	36,501	30,203	39,926
Forge and foundry .. .. .	40,066	122,907	80,367
Acid .. .. .	—	50,531	18,165
Basic .. .. .	165,760	424,992	223,409
Other pig-iron .. .. .	4,936	5,191	5,534
Spiegeleisen and ferro-manganese	3,737	4,473	2,876
Ferro-silicon .. .. .	26,607	37,006	24,431
Ferro-chrome .. .. .	14,343	18,072	10,385
Other ferro-alloys .. .. .	1,011	881	439
Iron and steel ingots .. .. .	6,034	32,285	22,608
Blooms, billets, slabs—			
Iron .. .. .	490	1,157	150
Steel .. .. .	451,643	434,289	315,015
Special steel .. .. .	1,649	2,684	1,815
Old and scrap .. .. .	1,087,576	954,661	632,178
Eire—			
Pig-iron .. .. .	8,662	8,872	5,577
Crude iron and steel .. .. .	192	108	128
Old and scrap .. .. .	155	90	339
Anglo-Egyptian Sudan—			
Pig-iron .. .. .	(£393)	(£1,280)	(£2)
Bars and billets .. .. .	1,665	2,281	1,136
Mauritius—			
Pig-iron .. .. .	57	82	51
Crude steel .. .. .	5	1	3
Northern Rhodesia—			
Pig, ingots, etc. .. .. .	70	183	36
Southern Rhodesia—			
Pig, ingots, etc. .. .. .	426	373	274
South West Africa—			
Pig-iron .. .. .	18	10	—
Union of South Africa—			
Pig-iron and steel ingots .. .. .	9,670	8,131	8,249
Ferro-silicon .. .. .	1,152	841	807
Ferro-manganese .. .. .	2,510	4,111	662
Other ferro-alloys .. .. .	415	631	506
Tool steel .. .. .	542	711	765

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British West Indies—			
Jamaica—			
Pig-iron .. .. .	(£296)	(£579)	(£396)
Trinidad and Tobago—			
Pig-iron .. .. .	4	22	21
Ingots, etc. .. .. .	4	8	5
Canada—			
Pig-iron .. .. .	3,960	6,371	2,122
Sponge iron .. .. .	82	157	90
Ferro-alloys .. .. .	996	1,032	749
Ingots, blooms and billets .. .. .	6,738	10,453	9,635
Scrap .. .. .	58,604	156,167	88,732
Newfoundland (years ended June 30)—			
Pig-iron and ferro-alloys .. .. .	275	197	162
Aden—			
Pig-iron .. .. .	10	9	11
British India —			
Pig-iron .. .. .	1,590	1,566	2,412
Ingots, blooms and billets .. .. .	24,064	25,715	25,672
Tool steel .. .. .	806	717	162
Ferro-alloys .. .. .	1,528	2,437	4,203
Old and scrap (total imports) .. .. .	1,216	1,611	2,738
British Malaya (total imports)—			
Pig-iron .. .. .	5,470	11,908	2,285
Scrap .. .. .	2,878	8,123	1,104
Burma—			
Pig-iron .. .. .	(b)	(b)849	297
Scrap .. .. .	(b)	(b) 18	10
Ceylon—			
Pig-iron .. .. .	615	819	623
Cyprus—			
Pig-iron .. .. .	118	134	108
Old and scrap .. .. .	80	203	101
Hong Kong (total imports)—			
Pig-iron .. .. .	1,924	3,394	1,217
Tool steel .. .. .	125	83	143
Old and scrap .. .. .	8,846	8,081	4,776
Palestine—			
Pig-iron .. .. .	1,080	176	562
Australia—			
Pig-iron .. .. .	564	294	110
Ferro-alloys .. .. .	11,493	5,531	4,289

(b) Included with India prior to April 1, 1937.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Australia—(cont.)			
Ingots and billets of high grade carbon alloy steels .. ..	246	420	422
Ingots, blooms, billets, etc. ..	2,312	1,441	143
Scrap .. .. .	1,892	40	16
New Zealand—			
Pig-iron .. .. .	5,669	6,628	8,312
Billets and blooms .. ..	3,043	4,098	9,064
FOREIGN COUNTRIES			
Austria—			
Pig-iron .. .. .	23,547	24,956	15,740
Ferro-chrome .. .. .	1,609	2,503	2,252
Ferro-manganese .. .. .	2,129	4,010	1,834
Ferro-molybdenum .. .. .	57	118	41
Ferro-silicon .. .. .	593	601	350
Ferro-tungsten .. .. .	418	959	351
Other ferro-alloys .. .. .	531	1,047	993
Iron ingots, blooms and billets ..	555	105	132
Steel ingots, blooms and billets ..	35	185	145
Old and scrap .. .. .	21,799	66,439	43,166
Belgium-Luxemburg E.U.—			
Pig-iron and ferro-alloys .. ..	275,587	303,176	116,528
Crude iron ingots .. .. .	176	266	160
Steel ingots .. .. .	54	84	154
Steel blooms and billets .. ..	41,317	20,347	15,177
Special steel .. .. .	2,186	4,598	3,760
Old and scrap .. .. .	104,910	121,863	104,760
Bulgaria—			
Pig-iron .. .. .	7,077	4,869	5,698
Old and scrap .. .. .	—	—	75
Czecho-Slovakia—			
Pig-iron—			
Foundry .. .. .	22,928	15,418	2,887
For refining or puddling .. ..	1,373	6,485	1,515
Spiegeleisen .. .. .	449	13,520	5,709
Other ferro-alloys .. .. .	3,426	7,367	4,603
Steel ingots .. .. .	15	10	84
Billets of cast iron .. .. .	200	815	306
Billets, blooms, bars of puddled iron .. .. .	48	94	25,416
Old and scrap .. .. .	77,769	246,148	119,330

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Pig-iron .. .. .	56,285	60,062	44,032
Ferro-alloys .. .. .	549	917	592
Old and scrap .. .. .	413	583	617
Estonia—			
Pig-iron .. .. .	5,716	3,708	3,409
Ferro-alloys .. .. .	10	12	1
Old and scrap .. .. .	294	62	—
Finland (total imports)—			
Pig-iron .. .. .	38,151	39,432	28,549
Ferro-manganese and spiegeleisen	252	878	822
Other ferro-alloys .. .. .	43	581	118
Old, filings and scrap .. .. .	2,924	11,188	12,117
France—			
Pig-iron—hematite .. .. .	50,132	35,775	29,166
other .. .. .	15,232	4,971	2,679
Spiegeleisen .. .. .	1,932	1,021	298
Ferro-manganese .. .. .	395	174	682
Ferro-silicon .. .. .	523	477	316
Ferro-chrome .. .. .	19	267	27
Other ferro-alloys .. .. .	373	475	359
Ingots .. .. .	1	1,607	13
Blooms and billets, rolled or forged	3,098	13,895	975
Tool steel .. .. .	448	524	541
Machine iron or steel .. .. .	7,496	6,965	1,166
Other special steel .. .. .	2,339	3,564	4,475
Old, filings and scrap .. .. .	32,116	12,052	13,736
Germany—			
Pig-iron .. .. .	110,105	152,060	437,884
Ferro-manganese .. .. .	946	319	190
Ferro-silicon, etc. .. .. .	19,795	15,071	17,907
Other ferro-alloys .. .. .	5,468	9,954	8,739
Rough blooms, ingots, bars, etc. ..	47,440	65,695	81,398
Old and scrap .. .. .	326,627	548,824	1,127,927
Greece—			
Pig-iron .. .. .	6,225	7,608	11,275
Hungary—			
Pig-iron .. .. .	84,950	25,997	} 10,534
Ferro-alloys .. .. .	5,380	6,849	
Ingots and blooms .. .. .	188	390	2,663
Tool and special steel .. .. .	1,447	1,497	1,554
Old and scrap .. .. .	48,891	63,090	63,501

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Iceland—			
Pig-iron .. .. .	35	33	(a)
Italy—			
Pig-iron .. .. .	26,667	21,834	67,675
Spiegeleisen .. .. .	—	—	98
Ferro-chrome .. .. .	645	1,132	851
Ferro-manganese .. .. .	123	12	17
Ferro-molybdenum .. .. .	292	249	199
Other ferro-alloys .. .. .	340	162	164
Iron ingots .. .. .	63	—	—
Steel ingots .. .. .	1,504	2,745	4,181
Steel blooms and sheet bar .. .. .	23,930	36,626	10,019
Old and scrap .. .. .	394,102	536,642	622,809
Latvia—			
Pig-iron and ferro-alloys .. .. .	13,964	10,189	10,993
Ingots .. .. .	2,123	10,949	(a)
Iron blooms and loops .. .. .	4,983	—	2,058
Steel ingots .. .. .	1,120	1,562	(a)
Steel blooms and loops .. .. .	14	1	(a)
Old, filings and scrap .. .. .	2,957	5,318	7,416
Lithuania—			
Pig-iron .. .. .	2,117	5,509	4,483
Netherlands—			
Pig-iron and ferro-alloys .. .. .	13,337	16,258	17,479
Ingots, blooms, billets, etc. .. .. .	2,756	790	19,944
Old and scrap .. .. .	7,895	16,826	22,469
Norway—			
Pig-iron .. .. .	24,557	24,184	11,877
Ferro-tungsten and ferro-vanadium .. .. .	29	34	48
Other ferro-alloys .. .. .	(b) 18	69	13
Steel ingots .. .. .	508	109	47
Alloyed steel .. .. .	605	711	659
Old and scrap .. .. .	8,198	3,283	6,844
Poland—			
Pig-iron .. .. .	2,375	9,086	3,625
Ferro-manganese .. .. .	903	106	272
Ferro-silicon .. .. .	41	213	55
Ferro-chrome .. .. .	150	84	43
Other ferro-alloys .. .. .	1,014	1,251	1,415
Blooms and billets .. .. .	36,350	26,446	24,083
Old and scrap .. .. .	444,288	633,213	420,011

(a) Information not available.

(b) Excess of re-exports.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Iron and steel ingots .. ..	11,624	11,440	(a)
Old and scrap .. .. .	294	284	(a)
Roumania—			
Pig-iron .. .. .	4,883	5,646	6,059
Ferro-alloys .. .. .	1,657	2,803	3,358
Ingots, blooms and billets ..	98,532	73,331	101,455
Tool steel .. .. .	811	1,728	1,270
Old and scrap .. .. .	36,254	23,702	72,608
Sweden—			
Pig-iron .. .. .	164,494	187,112	74,485
Spiegeleisen and ferro-manganese	4,442	6,654	9,592
Ferro-chrome .. .. .	1,446	1,485	1,323
Ferro-silicon and ferro-silico- manganese .. .. .	183	69	94
Ferro-tungsten .. .. .	37	92	10
Other ferro-alloys .. .. .	131	245	200
Steel ingots .. .. .	2	—	—
Tool steel .. .. .	109	267	9
Old, filings and scrap .. ..	105,186	95,920	24,154
Switzerland—			
Pig-iron, steel billets, blooms, etc.	110,240	149,782	94,616
Ferro-chrome and ferro-silicon ..	1,889	2,522	2,388
Old, filings and scrap .. ..	9,039	3,045	1,532
U.S.S.R.—			
Ferro-molybdenum .. .. .	1,387	} 216	(b) 1,078
Ferro-titanium .. .. .	214		
Ferro-tungsten .. .. .	848		
Ferro-vanadium .. .. .	128		
Yugoslavia—			
Ferro-manganese .. .. .	807	1,140	735
Ferro-silicon .. .. .	99	238	4
Pig-iron and other ferro-alloys ..	5,733	10,978	15,457
Iron ingots, blooms and billets ..	12,101	9,846	13,262
Crude steel .. .. .	1,367	51	1,152
Special steel .. .. .	604	1,003	1,052
Old, filings and scrap .. ..	42,419	25,871	34,812
Algeria—			
Pig-iron .. .. .	1,041	1,112	1,039
Spiegeleisen and ferro-alloys ..	31	60	47

(a) Information not available.

(b) January to September only.



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—(cont.)			
Ingots, blooms and billets ..	55	133	286
Tool and special steel .. ..	124	172	82
Machine iron and steel .. ..	179	1,574	1,831
Old, filings and scrap .. ..	193	148	2,420
Belgian Congo—			
Iron and steel, crude	50	75	372
Egypt—			
Pig-iron and spiegeleisen ..	5,473	3,084	4,660
Ferro-alloys .. .. .	23	31	16
Ingots, billets, etc. .. ..	92	15	212
Special steel .. .. .	265	607	950
Scrap (total imports) .. ..	1,523	1,236	1,267
French Equatorial Africa—			
Steel ingots and billets .. ..	264	(a)	(a)
Tool steel .. .. .	—	(a)	(a)
French West Africa—			
Steel ingots and billets .. ..	—	109	(a)
Tool steel .. .. .	37	60	(a)
Madagascar—			
Pig-iron .. .. .	67	26	(a)
Blooms, billets, etc. .. ..	3,912	3,710	3,158
Tool steel .. .. .	5	10	(a)
Morocco (French)—			
Pig-iron .. .. .	172	69	(a)
Ferro-alloys .. .. .	—	1	(a)
Ingots .. .. .	—	17	(a)
Blooms and billets .. ..	217	731	(a)
Tool steel .. .. .	123	229	(a)
Scrap .. .. .	167	346	(a)
Morocco (Spanish)—			
Ingots .. .. .	105	133	111
Tunis—			
Pig-iron .. .. .	71	80	113
Steel ingots and billets .. ..	17	1,709	3
Tool steel .. .. .	16	37	23
Old and scrap .. .. .	13,706	1,684	484
Cuba (total imports)—			
Iron ingots .. .. .	101	94	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Pig-iron .. .. .	201	744	95
Ingots .. .. .	100	2	—
Ferro-manganese .. .. .	59	870	208
Other ferro-alloys .. .. .	344	490	527
Steel ingots, blooms and billets ..	2,653	20,629	—
Scrap .. .. .	31,960	55,664	19,470
United States—			
Pig-iron .. .. .	165,814	111,700	30,400
Spiegeleisen .. .. .	52,011	16,841	17,267
Ferro-chrome .. .. .	112	412	175
Ferro-manganese .. .. .	37,953	29,559	26,169
Ferro-silicon .. .. .	3,840	12,930	5,325
Ferro-phosphorus .. .. .	525	50	—
Ferro-zirconium, etc. .. .. .	39	103	(a)
Granular iron .. .. .	1,950	1,872	519
Bar-iron, slabs, blooms, etc. ..	1,423	1,956	504
Steel ingots, blooms, etc. ..	1,036	2,231	758
Scrap .. .. .	143,251	81,644	24,451
Argentina—			
Ingots .. .. .	26,700	51,585	27,840
Old and scrap .. .. .	49	232	65
Brazil (total imports)—			
Pig-iron .. .. .	1,232	1,193	845
Special steel .. .. .	608	983	1,483
Filings .. .. .	30	59	72
Chile—			
Ingots .. .. .	2,989	3,814	} 3,092
Ferro-alloys .. .. .	462	658	
Old and scrap .. .. .	884	1,010	
Colombia—			
Pig-iron and scrap .. .. .	539	805	343
Peru—			
Pig-iron .. .. .	269	386	382
Uruguay—			
Pig-iron and scrap .. .. .	1,787	3,094	2,614
Ferro-manganese and ferro-silicon	36	47	57
China—			
Pig-iron .. .. .	33,903	33,911	10,421
Ferro-manganese .. .. .	121	483	21
Ingots, blooms, billets, etc. ..	15,953	8,699	200
Special steel .. .. .	13,180	10,996	2,459
Old and scrap .. .. .	15,110	16,868	5,215

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Formosa—			
Ingots, blooms and billets .. ..	5,396	(a)	(a)
Old and scrap .. ..	1,465	(a)	(a)
French Indo-China—			
Pig-iron and ferro-alloys .. ..	1,436	1,650	2,128
Machine iron or steel .. ..	3,485	6,252	4,928
Tool steel .. ..	60	76	66
Special steel .. ..	5	21	39
Old, filings and scrap .. ..	28	1	102
Iran (b)—			
Ingots, etc. old and scrap .. ..	101	33,518	23
Japan (total imports)—			
Pig-iron .. ..	956,617	(a)	(a)
Ferro-manganese .. ..	6	(a)	(a)
Other ferro-alloys .. ..	41	(a)	(a)
Ingots, blooms, and billets .. ..	71,714	(a)	(a)
Special steel .. ..	9,542	(a)	(a)
Sheet bars .. ..	132,386	(a)	(a)
Other iron in ingots, etc. .. ..	332	(a)	(a)
Old and scrap .. ..	1,473,400	(a)	(a)
Korea (total imports)—			
Pig-iron .. ..	12,621	(a)	(a)
Old and scrap .. ..	12,738	(a)	(a)
Manchuria—			
Pig-iron, billets, etc. .. ..	3,788	3,678	(a)
Ferro-manganese .. ..	295	578	(a)
Tool steel .. ..	3,100	4,158	(a)
Old and scrap .. ..	2,713	887	(a)
Netherlands East Indies—			
Iron ingots .. ..	3,163	5,908	3,518
Old and scrap .. ..	108	629	(a)
Philippine Islands—			
Pig-iron .. ..	1,060	511	1,109
Siam—			
Pig-iron .. ..	2,025	2,071	1,470
Syria and Lebanon—			
Pig-iron .. ..	178	113	191
Steel ingots, blooms and bars .. ..	149	121	(a)
Old and scrap .. ..	91	438	426
Turkey—			
Iron ingots and blocks .. ..	5,206	16,355	4,490
Steel ingots and blocks .. ..	10	6	—
Old and scrap .. ..	125	131	24

(a) Information not available.

(b) Years ended June 21 ; total imports.

## LEAD

## PRODUCTION OF LEAD ORE

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

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	30,493	26,395	29,745
Nigeria .. .. .	830	554	296
Northern Rhodesia .. .. .	7,080	3,890	2,911
Southern Rhodesia .. .. .	—	24	40
South West Africa ( <i>d</i> ) .. .. .	—	10,100	17,700
Tanganyika .. .. .	—	32	—
Union of South Africa .. .. .	6	102	125
Canada ( <i>b</i> ) .. .. .	171,063	183,928	187,021
Newfoundland .. .. .	30,937	28,778	31,275
Burma .. .. .	90,900	91,200	87,600
Federated Malay States .. .. .	2	—	—
Australia .. .. .	223,749	246,045	274,384
Total ..	555,000	591,000	632,000
FOREIGN COUNTRIES			
Austria .. .. .	5,846	8,552	( <i>e</i> )
Bulgaria .. .. .	60	160	335
Czecho-Slovakia .. .. .	3,881	3,841	4,000
Finland .. .. .	367	243	85
France .. .. .	3,120	4,567	4,000
Germany .. .. .	67,524	77,652	( <i>e</i> ) 94,000
Greece .. .. .	3,465	7,134	( <i>a</i> )
Italy .. .. .	39,782	34,800	40,000
Norway .. .. .	435	352	( <i>a</i> )
Poland .. .. .	7,000	10,000	10,000
Portugal .. .. .	3	1,289	2
Roumania .. .. .	6,947	8,305	( <i>a</i> )
Spain (smelter) ( <i>c</i> ) .. .. .	45,000	30,000	35,000
Sweden .. .. .	9,518	9,124	8,484
U.S.S.R. (smelter) ( <i>c</i> ) .. .. .	50,000	55,000	67,000

*(a)* Information not available.*(b)* Amount estimated as recoverable.*(c)* Estimated.*(d)* Years ended March 31 following.*(e)* Austria included with Germany.

PRODUCTION OF LEAD ORE (*Cont.*)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Yugoslavia .. .. .	65,000	70,000	83,000
Algeria .. .. .	2,673	4,408	4,575
Belgian Congo .. .. .	—	4,768	10,061
French Equatorial Africa .. .. .	—	120	1,600
Morocco (French) .. .. .	7,446	15,866	18,700
do. (Spanish) .. .. .	(a)	192	(a)
Tunis .. .. .	10,118	12,859	18,848
Guatemala (estimated) .. .. .	40	50	40
Mexico (b) .. .. .	212,317	214,688	277,909
United States (b) .. .. .	332,338	415,082	330,113
Argentina .. .. .	6,741	18,640	22,000
Bolivia (exports) .. .. .	14,288	17,999	12,960
Chile .. .. .	187	(a)	(a)
Peru .. .. .	29,721	41,374	(c) 57,022
China .. .. .	4,000	(a)	(a)
French Indo-China .. .. .	31	—	—
Japan (smelter) .. .. .	8,094	(d) 10,000	(d) 12,000
Korea (smelter) .. .. .	2,695	5,758	(d) 10,000
Philippine Islands (estimated) .. .. .	—	15	210
Turkey .. .. .	5,286	7,600	7,100
Total .. .. .	940,000	1,090,000	1,150,000
WORLD'S TOTAL .. .. .	1,500,000	1,680,000	1,780,000

- (a) Information not available.  
(b) Amount estimated as recoverable.  
(c) Exports.  
(d) Estimated.

## METAL PRODUCTION OF LEAD

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	13,600	10,150	9,800
Northern Rhodesia .. .. .	300	559	273
South-West Africa .. .. .	—	1,333	3,163
Canada .. .. .	162,254	178,301	178,912
Burma .. .. .	73,155	77,650	80,200
Australia (d) .. .. .	192,954	228,530	222,583
Total ..	442,000	497,000	495,000
FOREIGN COUNTRIES			
Austria .. .. .	8,594	10,665	9,133
Belgium (b) .. .. .	65,942	91,836	(e) 85,000
Czecho-Slovakia .. .. .	4,740	4,983	(e) 5,000
France .. .. .	14,468	37,700	42,900
Germany (c) .. .. .	150,956	170,451	173,200
Greece .. .. .	4,314	9,118	(a)
Hungary .. .. .	25	145	(a)
Italy .. .. .	36,239	38,857	43,336
Norway .. .. .	223	232	(a)
Poland .. .. .	14,784	17,309	19,667
Roumania .. .. .	4,707	6,619	5,566
Spain (estimated) .. .. .	45,000	30,000	35,000

(a) Information not available.

(b) Includes base bullion as follows :—

1936	1,841 long tons.
1937	8,405 " "

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

1936	136,800 long tons.
1937	159,800 " "

(d) Includes base bullion as follows :—

1936	33,450 long tons.
1937	41,773 " "
1938	40,369 " "

(e) Estimated.

## METAL PRODUCTION OF LEAD (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (estimated) .. .. .	50,000	55,000	65,000
Yugoslavia .. .. .	5,712	3,972	8,483
Tunis .. .. .	20,715	24,367	23,414
Mexico .. .. .	199,782	198,019	227,269
United States.. .. .	356,338	416,549	325,738
Argentina .. .. .	10,500	11,200	10,500
Chile .. .. .	—	516	(a)
Peru .. .. .	9,847	19,703	(c) 28,028
French Indo-China .. .. .	12	8	—
Japan .. .. .	8,094	(b) 10,000	(b) 12,000
Korea .. .. .	2,695	5,758	(a)
Total .. .. .	1,010,000	1,160,000	1,130,000
WORLD'S TOTAL .. .. .	1,450,000	1,660,000	1,620,000

(a) Information not available.

(b) Estimated.

(c) Exports.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	26,139	13,708	14,645
Pig-lead .. .. .	2,965	5,107	6,577
Sheets and pipes .. .. .	5,113	5,186	5,542
White lead .. .. .	5,551	4,259	4,496
Litharge, red lead, etc. .. .. .	7,891	8,666	8,319
Eire—			
Ore .. .. .	387	150	129
Nigeria—			
Ore .. .. .	1,205	851	—
South West Africa—			
Copper-lead ore .. .. .	—	32,448	45,699
Pig-lead .. .. .	604	1,473	3,326
Union of South Africa—			
Ore .. .. .	—	63	43
Pig, ingot and sheets .. .. .	20	8	14
Pipes, etc. .. .. .	(£601)	(£937)	(£778)
Canada—			
Ore ( <i>Pb content</i> ) .. .. .	4,194	7,379	3,197
Pig-lead, etc. .. .. .	143,460	157,652	138,332
White lead .. .. .	283	97	31
Newfoundland—			
Concentrates .. .. .	40,254	34,490	(c) 41,980
British India—			
Pig-lead .. .. .	69,990	17,597	—
British Malaya (including re-exports)—			
Pig-lead .. .. .	73	88	74
Sheets and pipes .. .. .	2	1	3
Burma—			
Pig lead and refined lead .. .. .	(b)	(b)66,920	83,921
Ceylon—			
Tea-lead .. .. .	(a)	137	1
Hong Kong (including re-exports)—			
Pig-lead .. .. .	129	443	399
Australia—			
Ores and concentrates ( <i>Pb content</i> ) .. .. .	22,593	20,717	22,896
Pig-lead .. .. .	174,050	199,161	213,015
Sheets and pipes .. .. .	509	1,012	722
White lead .. .. .	400	444	476

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Year ended June 30.



## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Pig-lead, scrap and alloys .. .. .	4,225	5,090	2,858
Bars, sheets, rods, etc. .. .. .	103	129	86
Red and white lead, etc. .. .. .	786	712	478
Belgium-Luxemburg E.U.—			
Ore .. .. .	163	933	4,189
Pig-lead and scrap .. .. .	57,155	67,877	66,468
Sheets, bars, pipes and wire .. .. .	7,809	7,375	6,518
Red and white lead, etc. .. .. .	4,300	4,236	3,175
Bulgaria—			
Ore .. .. .	43	97	—
Czecho-Slovakia—			
Pig-lead, ashes, scrap and alloys .. .. .	26	505	269
Sheets, pipes, etc. .. .. .	8	6	50
Red and white lead, etc. .. .. .	—	6	11
Denmark—			
Pig-lead, scrap and alloys .. .. .	829	1,278	(a)
Sheets and pipes .. .. .	59	26	(a)
France—			
Ore, matte and slag .. .. .	9,426	10,776	10,567
Pig-lead, including argentiferous and antimonial .. .. .	550	3,582	2,836
Scrap .. .. .	56	16	723
Sheets, etc. .. .. .	530	456	150
Red and white lead, etc. .. .. .	1,170	1,109	1,284
Germany—			
Ore .. .. .	—	9	311
Pig-lead, alloys and scrap .. .. .	1,142	427	532
Sheets, pipes, wire, etc. .. .. .	2,877	2,435	2,520
Red and white lead .. .. .	10,338	8,890	10,815
Greece—			
Ore .. .. .	—	49	—
Pig-lead .. .. .	2,570	2,229	679
Hungary—			
Pig-lead and scrap .. .. .	109	2	—
Bars, sheets, pipes and wire .. .. .	4	1	2
Red and white lead, etc. .. .. .	16	4	—
Italy—			
Ore .. .. .	4,585	3,902	3,281
Pig-lead, scrap and alloys .. .. .	33	19	36
Sheets, pipes, wire and alloys .. .. .	178	212	306
Red and white lead .. .. .	1,204	1,900	1,929
Latvia—			
Red and white lead, etc. .. .. .	706	626	828

(a) Information not available.

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Pig-lead and scrap .. ..	8	8	18
Netherlands—			
Pig-lead and scrap .. ..	3,178	3,394	1,900
Sheets and wire .. ..	1,256	1,692	1,555
Red and white lead .. ..	519	782	781
Norway—			
Ore .. ..	584	536	269
Pig-lead, ashes and scrap .. ..	607	1,240	1,847
Sheets, tubes and wire .. ..	51	61	91
Poland—			
Ore and slag .. ..	122	113	210
Pig-lead, bars and scrap .. ..	1,776	118	89
Red and white lead, etc. .. ..	133	113	158
Portugal—			
Ore .. ..	5	1	(a)
Roumania—			
Pig-lead .. ..	69	187	(a)
Sweden—			
Ore .. ..	16,146	15,304	14,603
Pig-lead and scrap .. ..	1,992	1,746	2,769
Sheets and pipes .. ..	14	9	16
Red and white lead, etc. .. ..	34	27	26
Switzerland—			
Ores, etc. .. ..	909	762	371
Pig-lead, scrap, etc. .. ..	765	408	181
Sheets and pipes .. ..	111	99	26
U.S.S.R.—			
Pig-lead, sheets and scrap .. ..	18	49	(b) 72
Yugoslavia—			
Ore .. ..	69,648	85,529	88,983
Pig-lead .. ..	3,641	2,531	5,550
Algeria—			
Ore .. ..	5,888	7,859	8,719
Pig-lead and scrap .. ..	774	1,200	967
Red and white lead .. ..	8	5	8
Belgian Congo—			
Ore .. ..	(a)	7,333	6,334
Morocco (French)—			
Ore, matte and slag .. ..	6,230	16,294	21,142
Scrap .. ..	276	443	(a)

(a) Information not available.

(b) January to September only.

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Morocco (Spanish)—			
Ore .. .. .	6	77	543
Tunis (including re-exports)—			
Ore .. .. .	334	1,783	617
Pig-lead and bars .. .. .	21,080	26,296	20,189
Mexico—			
Ores, etc. ( <i>Pb content</i> ) .. .. .	13,853	12,683	} 246,906
Pig-lead, refined .. .. .	184,462	228,448	
Base bullion .. .. .	—	849	12,663
Pig-lead, antimonial .. .. .	(b) 2,251	75	276
United States—			
Pig-lead, bars, etc. .. .. .	16,351	17,938	} 40,952
Sheets and pipes .. .. .	317	686	
Red and white lead, etc. .. .. .	3,623	3,234	
Argentina—			
Ore .. .. .	1,042	11,525	20,494
Ingots, bars and sheets .. .. .	1	5	5
Bolivia—			
Ore, etc. ( <i>Pb content</i> ) .. .. .	14,288	17,999	12,960
Brazil—			
Ore .. .. .	143	342	856
Chile—			
Ores and concentrates .. .. .	672	1,092	(a)
Peru—			
Ore and concentrates ( <i>Pb content</i> ) .. .. .	20,164	22,034	28,804
Pig-lead and scrap ( <i>do.</i> ) .. .. .	8,677	16,085	28,217
China—			
Ore .. .. .	—	9	11
Pig-lead .. .. .	333	652	249
Red and white lead, etc. .. .. .	19	28	60
Formosa—			
Tea-lead .. .. .	5	2	(a)
French Indo-China—			
Ore, etc. .. .. .	109	27	17
Japan—			
Sheets and plates .. .. .	850	706	1,088
Tubes .. .. .	1,446	1,007	579
Red lead .. .. .	2,469	1,531	604
White lead .. .. .	(a)	47	21

(a) Information not available.

(b) *Pb content*.

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Korea—			
Pig-lead .. .. .	2,397	5,101	5,722
Manchuria—			
Ore .. .. .	1,178	3,452	(a)
Netherlands East Indies—			
Scrap .. .. .	594	437	356
Philippine Islands—			
Ore .. .. .	—	23	213
Turkey—			
Ore .. .. .	8,515	8,260	6,499
Pig-lead .. .. .	—	—	98

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. .. .	34	109	182
Pig-lead .. .. .	331,483	335,756	382,306
Sheets and pipes .. .. .	3,154	2,478	2,537
White lead .. .. .	5,645	4,935	4,238
Litharge, red lead, etc. .. .. .	3,558	2,951	2,742
Eire—			
Pig-lead .. .. .	1,863	1,711	2,176
Sheets and pipes .. .. .	842	831	1,042
Red and white lead, etc. .. .. .	1,281	650	743
Gambia—			
Sheets, bars, etc. .. .. .	(£12)	(£35)	(£19)
Gold Coast—			
Bars, sheets, etc. .. .. .	285	288	172
Kenya and Uganda—			
Bars and sheets .. .. .	22	25	16
Mauritius—			
Sheets and pipes .. .. .	19	19	(a)
Nigeria—			
Ore .. .. .	16	—	—
Bars and sheets .. .. .	110	143	58
Northern Rhodesia—			
Sheets and foil .. .. .	28	102	8
Sierra Leone—			
Bars and sheets .. .. .	14	23	11
Southern Rhodesia—			
Pig-lead, bars, sheets and foil .. .. .	36	26	69
Red and white lead .. .. .	59	40	20
South West Africa—			
Bars, sheets and pipes .. .. .	8	7	12
Red and white lead, etc. .. .. .	11	4	1
Tanganyika Territory—			
Bars and sheets .. .. .	3	6	11
Union of South Africa—			
Pig-lead and bars .. .. .	2,043	3,319	4,060
Sheets and pipes .. .. .	366	342	381
Foil .. .. .	35	36	41
Red and white lead, etc. .. .. .	1,962	1,903	1,738
British West Indies—			
Jamaica—			
Pig-lead, etc. .. .. .	(£453)	(£1,358)	(£768)
Trinidad and Tobago—			
Pig-lead .. .. .	20	3	45
White-lead .. .. .	28	39	36

(a) Information not available.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Canada—			
Pig-lead and scrap .. ..	27	35	25
Bars, sheets and pipes .. ..	27	24	37
White lead, red lead and litharge	1,274	1,472	1,197
Newfoundland (years ended June 30)—			
Bars and sheets .. ..	(£645)	(£828)	(£649)
Aden—			
Ore .. ..	(c) 40	74	29
Red and white lead .. ..	(c) 29	24	—
British India—			
Ore .. ..	306	210	297
Pig-lead, bars, etc. .. ..	122	4,783	6,154
Sheets, pipes and tubes .. ..	1,076	1,171	1,145
Tea lead .. ..	3	20	—
Lead, (government stores) .. ..	59	832	219
Litharge, red and white lead, etc.	2,440	1,242	1,027
British Malaya (total imports)—			
Pig-lead .. ..	385	459	304
Pipes and sheets .. ..	82	119	174
Burma—			
Sheets, pipes and tubes .. ..	(b)	(b) 68	74
Red and white lead .. ..	(b)	(b) 186	154
Ceylon—			
Pig-lead .. ..	1,738	309	60
Sheets and pipes .. ..	48	49	28
Tea-lead .. ..	5	139	241
Cyprus—			
Sheets and pipes .. ..	11	22	44
Hong Kong (total imports)—			
Pig-lead .. ..	837	881	2,375
Palestine—			
Pig-lead, sheets, pipes, etc. .. ..	269	202	96
Australia—			
Sheets and pipes .. ..	63	96	100
White lead and lead acetate .. ..	56	96	111
Fiji—			
Pig-lead and sheet .. ..	10	27	32
New Zealand—			
Pig-lead and bars .. ..	1,829	1,660	2,122
Sheets and pipes .. ..	499	884	606
White lead .. ..	1,169	954	1,002

(b) Included with India prior to April 1, 1937.

(c) Year ended March 31.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	5,651	6,810	7,844
Pig-lead, scrap and alloys ..	109	919	8,880
Bars, sheets, rods, etc. ..	4	1	1
Red and white lead, etc. ..	2	1	—
Belgium-Luxemburg E.U.—			
Ore .. .. .	97,994	130,439	105,053
Pig-lead and scrap .. ..	36,719	29,993	28,378
Sheets, bars, pipes and wire ..	14	13	4
Red and white lead, etc. ..	751	519	655
Bulgaria—			
Pig-lead, scrap, etc. .. ..	645	532	966
Tubes, wire, etc. .. ..	3	8	11
Red and white lead, etc. ..	85	79	119
Czecho-Slovakia—			
Pig-lead, ashes, scrap and alloys..	10,024	14,830	13,036
Sheets, plates, pipes, wire, etc. ..	3	5	141
Red and white lead, etc. ..	368	403	229
Denmark—			
Pig-lead and scrap .. ..	6,816	8,900	6,531
Sheets and pipes .. ..	395	418	453
Red and white lead .. ..	840	708	849
Estonia—			
Pig-lead and scrap .. ..	207	198	286
Sheets, pipes and wire .. ..	34	76	145
Red and white lead, etc. ..	481	206	254
Finland (total imports)—			
Pig-lead and scrap .. ..	2,283	3,112	7,495
Sheets, pipes, wire, etc. ..	828	1,164	1,132
Red and white lead, etc. ..	699	769	809
France—			
Ore, matte and slag .. ..	39,751	42,386	51,532
Pig-lead, including argentiferous and antimonial .. ..	85,101	72,638	46,203
Scrap .. .. .	1,132	1,191	966
Sheets, etc. .. ..	244	232	132
Red and white lead, etc. ..	1,125	627	542
Germany—			
Ore .. .. .	97,729	124,786	139,057
Pig-lead, scrap and alloys ..	67,807	72,138	74,137
Sheets, pipes, wire, etc. ..	45	9	3
Red and white lead, etc. ..	429	317	245
Greece—			
Lead .. .. .	11	27	—

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Pig-lead and scrap .. .. .	4,837	5,999	7,447
Bars, sheets, pipes and wire .. .. .	8	10	10
Red and white lead, etc. .. .. .	23	13	15
Iceland—			
Pig-lead, bars and tubes .. .. .	35	20	(a)
Red and white lead .. .. .	11	10	(a)
Italy—			
Ore .. .. .	21,253	13,242	13,591
Pig-lead, scrap and alloys .. .. .	8,526	10,946	8,969
Sheets, pipes, wire and alloys .. .. .	171	34	45
Red and white lead .. .. .	96	47	75
Latvia—			
Pig-lead and scrap .. .. .	1,303	2,130	1,967
Sheets, tubes and wire .. .. .	245	14	191
Lithuania—			
Pig-lead, sheets, wire and scrap .. .. .	274	822	223
Tubes .. .. .	85	119	108
Red and white lead, etc. .. .. .	106	140	162
Netherlands—			
Ore .. .. .	202	163	199
Pig-lead and scrap .. .. .	21,208	23,558	35,922
Sheets and wire .. .. .	1,032	342	284
Red and white lead .. .. .	3,858	3,828	4,438
Norway—			
Pig-lead .. .. .	3,308	4,117	3,107
Bars and sheets .. .. .	811	794	757
Tubes, wire, etc. .. .. .	590	577	411
Red and white lead .. .. .	726	745	731
Poland—			
Ore and slag .. .. .	272	1,916	134
Pig-lead, bars and scrap .. .. .	82	594	462
Sheets, tubes and wire .. .. .	10	7	4
Red and white lead, etc. .. .. .	355	585	376
Portugal—			
Pig-lead, alloys, etc. .. .. .	1,922	2,285	1,542
Red and white lead .. .. .	352	333	(a)
Roumania—			
Pig-lead .. .. .	29	59	(a)
Bars, sheets, pipes and wire .. .. .	10	10	(a)
Red and white lead, etc. .. .. .	160	183	182
Sweden—			
Pig-lead and scrap .. .. .	16,849	19,347	25,347
Sheets and pipes .. .. .	2,607	2,566	2,357
Red and white lead, etc. .. .. .	2,673	2,985	3,379

(a) Information not available.



## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Ores, etc. . . . .	—	2	1
Pig-lead, scrap, etc. . . . .	7,689	9,289	9,830
Sheets, pipes, wire, etc. . . . .	533	616	204
Red and white lead, etc. . . . .	362	249	317
U.S.S.R.—			
Pig-lead, sheets and scrap . . . . .	29,194	41,753	(b) 14,830
Yugoslavia—			
Ore . . . . .	—	10	—
Pig-lead and scrap . . . . .	33	23	10
Sheets, bars, rods and wire . . . . .	66	271	32
Red and white lead, etc. . . . .	348	284	238
Algeria—			
Ore, matte and slags . . . . .	3,898	1,020	46
Pig-lead, bars, sheets, etc. . . . .	2,147	1,388	1,346
Red and white lead, etc. . . . .	121	109	123
Angola—			
Bars, sheets and tubes . . . . .	12	(a)	(a)
Belgian Congo—			
Pig-lead . . . . .	3	14	7
Egypt—			
Pig-lead and scrap . . . . .	203	400	710
Sheets, pipes, wire, etc. . . . .	534	379	405
Red and white lead . . . . .	397	416	396
Madagascar—			
Pig-lead, bars and sheets . . . . .	66	29	18
Red and white lead . . . . .	65	37	31
Morocco (French)—			
Ore . . . . .	1	—	(a)
Pig-lead, sheets and wire . . . . .	120	115	(a)
Red and white lead, etc. . . . .	58	71	(a)
Morocco (Spanish)—			
Ingots, sheets and wire . . . . .	11	4	6
Red and white lead, etc. . . . .	3	1	17
Mozambique—			
Bars and sheets . . . . .	19	15	(a)
Tunis—			
Ore, matte and slag . . . . .	8,692	9,672	15,472
Pig-lead, bars and scrap . . . . .	59	2,666	342
Sheets, etc. . . . .	94	45	53
Red and white lead, etc. . . . .	40	27	48

(a) Information not available.

(b) January to September only.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description:	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Cuba (total imports)—			
Pig-lead .. .. .	73	110	(a)
Sheets, pipes and wire .. ..	93	103	(a)
Mexico—			
Pig-lead .. .. .	26	40	59
Sheets and pipes .. .. .	91	119	31
Netherlands West Indies—			
Pig-lead and sheet .. .. .	—	195	(a)
United States—			
Ore and matte ( <i>Pb content</i> ) ..	11,220	8,923	23,559
Bullion and base bullion ( <i>Pb content</i> ) .. .. .	717	1,634	5,592
Pig-lead, bars and scrap ( <i>Pb content</i> ) .. .. .	2,092	3,735	3,015
Sheets, pipes, wire, etc. .. ..	271	335	148
Red and white lead, etc. .. ..	35	36	22
Argentina—			
Ore .. .. .	5,272	3,755	3,981
Pig-lead .. .. .	318	340	558
Sheets and plates .. .. .	125	128	94
Tubes and wire .. .. .	18	25	31
Red and white lead .. .. .	651	953	1,084
Brazil (total imports)—			
Pig-lead .. .. .	8,340	10,062	8,364
Sheets and pipes .. .. .	141	237	109
Red and white lead .. .. .	543	536	406
Chile—			
Pig-lead .. .. .	1,381	1,439	741
Bars and sheets .. .. .	159	221	288
Red and white lead .. .. .	19	70	(a)
Colombia—			
Ingots, bars, tubes and alloys ..	216	270	256
Red and white lead .. .. .	72	100	125
Peru—			
Pig-lead, sheets, etc. .. .. .	51	20	40
Uruguay—			
Pig-lead .. .. .	682	1,111	1,574
Red and white lead, etc. .. ..	168	184	207
Venezuela—			
Pig-lead .. .. .	27	10	(a)
Red and white lead .. .. .	22	35	(a)

(a) Information not available.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
China—			
Ore .. .. .	—	11	—
Pig-lead .. .. .	2,918	2,624	1,691
Scrap .. .. .	591	330	15
Sheets .. .. .	225	384	75
Pipes .. .. .	70	64	43
Red and white lead, etc. .. .. .	638	438	306
Formosa—			
Pig-lead .. .. .	1	(a)	(a)
Pipes and tubes .. .. .	623	(a)	(a)
French Indo-China—			
Pig-lead and scrap .. .. .	72	90	52
Sheets, etc. .. .. .	65	28	31
Red and white lead .. .. .	154	295	200
Iran (total imports) (b)—			
Ingots, sheets and wire .. .. .	136	132	265
Iraq—			
Pig-lead, tubes, wire, etc. .. .. .	97	116	196
Japan (total imports)—			
Pig-lead .. .. .	94,397	(a)	(a)
Tea-lead .. .. .	26	(a)	(a)
Korea (total imports)—			
Pig-lead .. .. .	14	(a)	(a)
Pipes .. .. .	561	(a)	(a)
Manchuria—			
Pig-lead .. .. .	1,762	2,303	(a)
Red and white lead, etc. .. .. .	370	433	331
Netherlands East Indies—			
Pig-lead, scrap and alloys .. .. .	228	509	(a)
Sheets, etc. and alloys .. .. .	358	771	(a)
Tea-lead .. .. .	187	123	100
Red and white lead .. .. .	879	1,207	(a)
Philippine Islands—			
Pig-lead and sheets .. .. .	571	778	1,616
Red and white lead .. .. .	324	310	395
Litharge .. .. .	(a)	(a)	165
Siam (total imports)—			
Pig-lead .. .. .	131	54	261
Syria and Lebanon—			
Ingots and sheets .. .. .	74	30	87
Pipes .. .. .	19	105	87
Red and white lead .. .. .	53	46	52
Turkey—			
Pig-lead, scrap and alloys .. .. .	399	281	1,235
Tubes, wire and alloys .. .. .	144	84	222

(a) Information not available.

(b) Years ended June 21.

## MAGNESITE

 PRODUCTION OF MAGNESITE  
 (Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Union of South Africa—			
Crude .. .. .	1,667	1,724	2,574
Canada—			
Crude .. .. .	(d)	(d)	(d)
India—			
Crude .. .. .	15,468	26,166	25,611
Australia—			
Crude .. .. .	17,615	19,705	19,516
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	391,494	451,980	(a)
Caustic (c) .. .. .	57,621	(a)	(a)
Dead-burnt (c) .. .. .	97,025	(a)	(a)
Bricks (c) .. .. .	42,015	(a)	(a)
Czecho-Slovakia—			
Crude (b) .. .. .	8,545	12,010	12,789
Calcined (b) .. .. .	34,957	37,465	28,923
Bricks (b) .. .. .	1,612	3,256	902
Germany (Prussia)—			
Crude .. .. .	14,789	20,758	(a)
Greece—			
Crude .. .. .	114,272	159,123	(a)
Caustic (c) .. .. .	22,762	44,548	(a)
Dead-burnt (c) .. .. .	6,552	5,404	(a)
Italy—			
Crude .. .. .	3,105	5,307	6,060
Calcined (c) .. .. .	—	—	650

(a) Information not available.

(b) Exports less imports.

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

(d) Production recorded by value only:—

1936 £154,583.

1937 £137,086.

1938 £85,280.

For 1936 and 1937 the values represent the calcined magnesite sold plus the value of manufactured products, whereas the 1938 figure represents the value of the calcined magnesite sold plus the value of the magnesite used for further manufacture.

## PRODUCTION OF MAGNESITE (Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude .. .. .	3,067	2,063	(a)
Calcined (c) .. .. .	544	601	(a)
Bricks (c) .. .. .	607	587	(a)
Yugoslavia (Serbia only)—			
Crude .. .. .	38,392	40,531	38,693
Calcined .. .. .	13,910	19,464	15,146
United States—			
Crude .. .. .	184,928	181,640	86,600
Caustic (sales) (c) .. .. .	7,141	8,956	6,607
Dead-burnt (sales) (c) .. .. .	80,338	74,289	34,588
Korea—			
Crude .. .. .	14,033	(b) 14,188	(b) 15,820
Manchuria—			
Crude .. .. .	227,000	(b) 163,797	(b) 168,996
Turkey—			
Crude .. .. .	2,247	316	850

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

(a) Information not available.

(b) Exports.

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

## EXPORTS OF MAGNESITE, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Magnesium and alloys .. ..	65	19	19
Magnesium compounds .. ..	5,367	5,539	4,960
Canada—			
Calcined and dead-burnt .. ..	2,614	1,810	3,545
British India—			
Magnesite .. .. .	4,768	8,164	6,382
Chloride .. .. .	954	1,011	169
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	9,058	10,835	137
Caustic .. .. .	43,274	52,164	3,888
Dead-burnt .. .. .	62,934	57,714	41,484
Bricks .. .. .	38,648	52,422	37,889
Chloride .. .. .	12	8	7
Belgium-Luxemburg E.U.—			
Crude .. .. .	11	46	1
Calcined .. .. .	249	575	247
Magnesium .. .. .	15	28	2
Carbonate .. .. .	13	13	20
Chloride .. .. .	4	2	8
Sulphate .. .. .	74	118	156
Czecho-Slovakia—			
Crude .. .. .	8,545	12,055	12,895
Calcined .. .. .	36,857	39,825	30,921
Bricks .. .. .	2,758	5,071	2,514
Chloride, oxide and sulphate .. ..	2	1	9
France—			
Magnesium compounds .. ..	4,440	5,625	4,565
Germany—			
Calcined .. .. .	1,789	1,845	1,546
Carbonate, oxide, etc. .. ..	1,101	1,569	1,197
Chloride .. .. .	14,610	16,615	16,502
Sulphate .. .. .	52,750	57,441	53,367
Greece—			
Crude .. .. .	44,841	64,093	47,095
Caustic .. .. .	23,340	33,964	30,750
Dead-burnt .. .. .	11,796	14,558	295

## EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude .. .. .	20	132	1,776
Caustic .. .. .	189	411	394
Carbonate .. .. .	78	197	238
Chloride and sulphate .. .. .	18	18	25
Netherlands—			
Crude .. .. .	48	4	15
Oxide .. .. .	10,422	11,698	10,838
Sulphate .. .. .	38	53	76
Sweden—			
Crude and calcined .. .. .	2	—	1
Switzerland—			
Calcined .. .. .	5	3	1
U.S.S.R.—			
Crude .. .. .	554	} 3,821	(b) 4,434
Calcined .. .. .	2,507		
Yugoslavia—			
Crude .. .. .	1,706	501	4,573
Calcined .. .. .	13,239	15,037	13,365
United States—			
Oxide and manufactures .. .. .	938	1,399	1,430
Bricks, etc. .. .. .	6,630	8,734	7,158
Peru—			
Sulphate .. .. .	(a)	50	23
Japan—			
Carbonate .. .. .	2,422	3,208	1,952
Magnesium .. .. .	(a)	11	1
Korea—			
Crude .. .. .	6,809	14,188	15,820
Manchuria—			
Crude and ground .. .. .	108,535	163,797	168,996
Turkey—			
Crude .. .. .	924	179	—
Calcined .. .. .	59	103	43

(a) Information not available.

(b) January to September only.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Crude and calcined .. ..	38,534	49,620	56,886
Magnesium and alloys .. ..	2,403	2,203	1,610
Chloride .. .. .	6,039	6,143	5,062
Other salts .. .. .	17,835	17,826	15,016
Eire—			
Magnesium Salts .. .. .	429	436	462
Union of South Africa—			
Carbonate and sulphate .. ..	828	945	848
Chloride .. .. .	139	228	181
Canada—			
Crude and calcined .. .. .	1,056	1,277	890
Oxide .. .. .	166	120	63
Carbonate .. .. .	453	435	341
Sulphate .. .. .	1,598	1,498	1,610
Bricks .. .. .	(£114,331)	(£132,289)	(£116,053)
British India—			
Chloride .. .. .	675	613	561
Sulphate .. .. .	602	483	408
Other salts .. .. .	1,382	1,488	884
Burma—			
Sulphate .. .. .	(b)	(b)101	131
Other salts .. .. .	(b)	(b)142	119
Palestine—			
Sulphate .. .. .	20	27	8
Australia—			
Oxide .. .. .	141	185	396
Carbonate .. .. .	148	179	168
Chloride .. .. .	444	298	168
Sulphate .. .. .	1,697	2,585	835
New Zealand—			
Sulphate .. .. .	328	331	437
FOREIGN COUNTRIES			
Austria—			
Caustic .. .. .	40	500	805
Carbonate .. .. .	157	147	31
Chloride .. .. .	638	787	6
Sulphate .. .. .	1,979	2,094	—

(b) Included with India prior to April 1, 1937.



## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude .. .. .	789	880	7
Calcined .. .. .	3,868	2,428	3,611
Magnesium .. .. .	24	19	7
Carbonate .. .. .	124	80	117
Chloride .. .. .	565	1,322	393
Sulphate .. .. .	1,674	2,011	1,150
Bulgaria—			
Crude .. .. .	107	115	140
Sulphate .. .. .	84	99	95
Czecho-Slovakia—			
Crude .. .. .	—	45	106
Calcined .. .. .	1,900	2,360	1,998
Bricks .. .. .	1,146	1,815	1,612
Chloride .. .. .	1,623	2,135	2,541
Oxide, impure .. .. .	1,532	2,259	2,177
Sulphate .. .. .	553	686	467
Denmark—			
Crude .. .. .	607	477	(a)
Chloride .. .. .	382	511	(a)
Oxide .. .. .	82	98	(a)
Sulphate .. .. .	474	368	(a)
Estonia—			
Ground and calcined .. .. .	59	74	68
Chloride and sulphate .. .. .	89	113	107
Finland (total imports)—			
Magnesite and witherite .. .. .	1,200	999	1,157
Calcined .. .. .	9	24	24
Carbonate .. .. .	210	239	261
Chloride .. .. .	478	707	864
Sulphate .. .. .	48	164	141
France—			
Crude .. .. .	4,100	7,176	3,993
Calcined .. .. .	12,189	15,559	14,253
Magnesium .. .. .	25	66	157
Carbonate .. .. .	1,157	979	870
Chloride .. .. .	341	230	366
Sulphate .. .. .	944	1,321	2,589
Germany—			
Crude .. .. .	55,074	61,110	33,702
Caustic .. .. .	62,757	83,060	29,594
Dead-burnt .. .. .	30,606	31,762	25,555
Hungary—			
Crude and calcined .. .. .	9,579	14,632	14,210
Oxide .. .. .	36	59	87
Sulphate .. .. .	74	118	65

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude .. .. .	—	7,547	4,226
Caustic .. .. .	4,440	4,736	4,019
Carbonate .. .. .	20	6	6
Chloride .. .. .	233	348	342
Latvia—			
Ground and calcined .. .. .	149	111	128
Carbonate .. .. .	16	21	33
Chloride .. .. .	137	180	98
Sulphate .. .. .	56	93	53
Lithuania—			
Crude and calcined .. .. .	97	94	96
Netherlands—			
Crude .. .. .	1,155	747	898
Calcined .. .. .	10,411	13,910	13,588
Sulphate .. .. .	4,550	4,579	3,001
Norway—			
Calcined .. .. .	627	967	845
Bricks .. .. .	224	81	1
Chloride .. .. .	357	582	432
Poland—			
Crude and calcined .. .. .	2,971	4,300	3,901
Chloride .. .. .	707	891	869
Oxide .. .. .	18	17	23
Sulphate .. .. .	727	968	1,154
Portugal—			
Carbonate .. .. .	29	34	(a)
Chloride .. .. .	115	76	(a)
Oxide .. .. .	4	11	(a)
Sulphate .. .. .	336	686	(a)
Roumania—			
Calcined .. .. .	22	44	(a)
Chloride .. .. .	101	87	(a)
Sulphate .. .. .	156	60	(a)
Sweden—			
Crude and calcined .. .. .	2,875	4,172	4,836
Chloride .. .. .	1,774	1,693	2,184
Switzerland—			
Calcined .. .. .	895	827	721

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
U.S.S.R.—			
Magnesium .. .. .	55	(a)	(a)
Yugoslavia—			
Calcined .. .. .	1,661	2,358	2,993
Chloride and sulphate .. .. .	275	280	160
Oxide and carbonate .. .. .	90	71	133
Algeria—			
Calcined .. .. .	43	126	10
Carbonate .. .. .	2	—	—
Chloride .. .. .	2	—	—
Belgian Congo—			
Sulphate .. .. .	(a)	814	177
Egypt—			
Sulphate .. .. .	729	598	549
Mexico—			
Crude .. .. .	(a)	57	852
Calcined .. .. .	8	(a)	93
United States—			
Crude .. .. .	53	31	32
Calcined .. .. .	1,960	2,498	1,297
Dead-burnt .. .. .	38,043	50,018	22,313
Oxide .. .. .	106	97	41
Carbonate, precipitated .. .. .	337	466	420
Chloride .. .. .	14	29	36
Sulphate .. .. .	4,884	5,419	3,565
Argentina—			
Carbonate .. .. .	72	108	120
Chloride .. .. .	175	228	223
Oxide .. .. .	65	89	72
Sulphate and chlorate .. .. .	928	729	818
Brazil (total imports)—			
Sulphate .. .. .	1,033	1,385	899
Chile—			
Crude .. .. .	99	100	(a)
Calcined .. .. .	113	603	(a)
Chloride .. .. .	1	—	(a)
Carbonate, oxide, etc. .. .. .	8	6	(a)
Sulphate .. .. .	2	2	(a)
Colombia—			
Carbonate .. .. .	(a)	40	34
Chloride .. .. .	22	3	19
Sulphate .. .. .	129	143	155

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Peru—			
Crude and calcined .. ..	464	1,015	1,312
Salts .. ..	108	123	76
Uruguay—			
Calcined .. ..	6	25	3
Oxide .. ..	9	47	6
Venezuela—			
Sulphate .. ..	101	102	(a)
China—			
Carbonate .. ..	1,460	1,232	597
French Indo-China—			
Calcined .. ..	7	5	10
Carbonate .. ..	1	14	16
Chloride .. ..	17	35	31
Manchuria—			
Chloride .. ..	1,757	3,901	6,643
Syria and Lebanon—			
Ground and calcined .. ..	23	13	9
Chloride .. ..	4	13	8
Oxide .. ..	6	18	17
Sulphate .. ..	—	28	24

(a) Information not available.

## MANGANESE

## PRODUCTION OF MANGANESE ORE

(Long tons)

Producing Country.	1936	1937	1938	Estimated Manganese Content.		
				1936	1937	1938
<b>BRITISH EMPIRE</b>						
Gold Coast (shipments) .. ..	411,024	527,036	324,207	214,000	274,000	169,000
Northern Rhodesia	3,022	2,341	2,735	774	646	506
Union of South Africa	254,167	621,229	543,028	119,214	264,581	234,914
Canada .. ..	197	76	—	(a)	(a)	—
India .. ..	813,442	1,051,594	967,929	407,000	526,000	484,000
Unfederated Malay States .. ..	36,776	32,793	31,970	10,900	9,900	9,600
Australia .. ..	72	1,142	594	(a)	(a)	(a)
New Zealand ..	—	5	90	—	2	40
TOTAL .. ..	1,520,000	2,240,000	1,870,000			
<b>FOREIGN COUNTRIES</b>						
Bulgaria .. ..	2,500	3,000	1,857	1,000	1,200	650
Czecho-Slovakia ..	91,567	104,664	(a)	15,489	17,641	(a)
Germany .. ..	238	177	(a)	99	74	(a)
Greece .. ..	1,653	6,842	(a)	578	3,585	(a)
Hungary .. ..	26,798	24,691	21,870	11,100	9,900	8,800
Italy .. ..	24,343	33,002	47,529	8,778	11,800	15,000
Portugal .. ..	285	312	548	114	135	246
Roumania .. ..	33,321	49,947	59,222	10,000	15,000	18,000
Sweden .. ..	6,259	6,031	5,983	2,253	2,091	2,131
U.S.S.R. (estimated)	2,955,000	2,770,000	2,900,000	(a)	(a)	(a)
Yugoslavia .. ..	2,696	4,369	3,699	1,000	1,500	1,300
Belgian Congo ..	—	30,498	7,603	—	15,249	3,800
Egypt .. ..	132,840	183,377	150,694	38,524	53,179	45,000
Morocco (French)	29,412	75,257	85,230	14,000	35,000	40,000
Morocco (Spanish)	—	650	150	—	247	60

(a) Information not available.

## PRODUCTION OF MANGANESE ORE (Cont.)

Producing Country.	1936	1937	1938	Estimated Manganese Content.		
				1936	1937	1938
FOREIGN COUNTRIES (Cont.)						
Costa Rica (exports)	—	129	299	—	(a)	(a)
Cuba .. ..	(b) 151,981	113,840	(d) 110,523	30,000	(a)	(a)
Mexico .. ..	3,284	17	116	(a)	(a)	(a)
Porto Rico (exports)	3,010	2,343	1,023	1,505	1,171	512
United States (c) ..	32,119	40,241	25,321	13,800	20,800	11,400
Argentina .. ..	436	596	(a)	180	250	(a)
Brazil .. ..	153,734	256,054	218,455	77,000	120,000	103,000
Chile .. ..	5,098	12,809	(a)	2,286	5,764	(a)
French Indo China	3,375	5,207	2,179	1,588	2,300	1,096
Japan .. ..	66,683	(a)	(a)	33,000	(a)	(a)
Netherlands East Indies .. ..	8,483	10,908	9,534	4,500	6,000	5,000
Philippine Islands	200	5,600	40,240	100	2,700	18,900
Portuguese India..	2,579	4,013	9,478	1,150	1,766	4,200
Turkey .. ..	5,100	522	2,151	1,200	130	1,027
TOTAL.. ..	3,800,000	3,800,000	3,900,000			
WORLD'S TOTAL	5,300,000	6,000,000	5,800,000			

Manganese ore is also produced in Spain and China.

(a) Information not available.

(b) Low grade ore before concentration.

(c) Shipments. Excluding the following quantities of ore containing 10 to 35 per cent. Mn, which are recorded by the United States Bureau of Mines as iron ore :—

1936	..	..	..	98,962	long tons.
1937	..	..	..	151,955	" "
1938	..	..	..	33,620	" "

(d) Exports.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Metal .. .. .	(a)	43	39
Ferro-manganese and spiegeleisen	9,424	11,041	5,197
Gold Coast—			
Ore .. .. .	411,024	527,036	324,207
Union of South Africa—			
Ore .. .. .	204,558	474,633	314,012
British India—			
Ore (b) .. .. .	633,823	981,189	518,342
Ferruginous manganese ore ..	—	3,014	7,787
British Malaya (c)—			
Ore .. .. .	36,758	34,024	30,570
Cyprus—			
Ore .. .. .	—	—	19
Hong Kong (including re-exports)—			
Ore .. .. .	19,169	42,861	2,211
Australia—			
Ore .. .. .	—	2,090	2,095
New Zealand—			
Ore .. .. .	—	1	75
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	30	18	48
Belgium-Luxemburg E.U.—			
Ore .. .. .	12,123	2,775	13,704
Czecho-Slovakia			
Ore .. .. .	—	—	965
France—			
Ore .. .. .	5,351	7,401	5,029
Manganese dioxide .. .. .	47	45	101
Ferro-manganese .. .. .	7,240	8,876	13,645
Germany—			
Ore .. .. .	1,316	788	758
Ferro-manganese .. .. .	14,528	12,638	4,578
Greece—			
Ore .. .. .	1,680	1,507	3,017
Hungary—			
Ore .. .. .	5,292	13,659	(a)

(a) Information not available.

(b) Excluding manganese ore mined in British India but exported via the Portuguese port of Mormugao—1936, 108,524 tons—1937, 170,645 tons—1938, 130,398 tons.

(c) Including re-exports.

## EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore, including manganiferous iron ore .. .. .	—	26	1
Ferro-manganese .. .. .	198	99	10
Netherlands—			
Ore .. .. .	708	1,609	1,335
Norway—			
Ferro-manganese .. .. .	58,400	65,996	36,982
Silico-manganese .. .. .	16,553	17,217	12,688
Poland—			
Ferro-manganese .. .. .	8,194	11,132	1,299
Sweden—			
Ore .. .. .	72	39	51
Ferro-manganese and spiegeleisen .. .. .	781	1,118	1,097
Ferro-silico-manganese .. .. .	5,230	5,778	3,882
U.S.S.R.—			
Ore .. .. .	596,166	984,999	(b) 353,554
Ferro-manganese .. .. .	294	(a)	(a)
Yugoslavia—			
Ore .. .. .	226	224	381
Ferro-manganese .. .. .	—	—	2,588
Algeria (including re-exports)—			
Ore .. .. .	17,349	6,714	—
Belgian Congo—			
Ore .. .. .	—	27,597	3,251
Morocco (French)—			
Ore .. .. .	27,414	31,212	42,722
Morocco (Spanish)—			
Ore .. .. .	—	610	148
Costa Rica—			
Ore .. .. .	—	129	299
Cuba—			
Ore .. .. .	36,053	131,936	110,523
United States—			
Ferro-manganese and spiegeleisen .. .. .	466	1,725	247
Brazil—			
Ore .. .. .	163,842	243,212	134,682
Chile—			
Ore .. .. .	5,102	12,810	19,000
Peru—			
Ore ( <i>Mn content</i> ) .. .. .	11	50	23
China—			
Ore .. .. .	23,418	50,633	1,227

(a) Information not available.

(b) January to November only.



## EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
French Indo-China—			
Ore .. .. .	4,424	3,116	473
Japan—			
Ore .. .. .	5,637	5,562	2,426
Netherlands East Indies—			
Ore .. .. .	11,215	15,444	11,044
Philippine Islands—			
Ore .. .. .	251	12,013	48,580
Portuguese India—			
Ore .. .. .	2,397	5,282	3,847
Turkey—			
Ore .. .. .	4,572	—	2,692

## IMPORTS OF MANGANESE ORE, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	240,344	283,458	192,376
Metal .. .. .	(a)	147	126
Ferro-manganese and spiegeleisen	3,737	4,473	2,876
Ferro-silico-manganese .. ..	13,834	17,102	9,156
Union of South Africa—			
Ferro-manganese .. .. .	2,510	4,111	662
Manganese dioxide .. .. .	68	259	243
Canada—			
Ore .. .. .	57,377	68,952	18,795
Ferro-manganese and spiegeleisen	58	275	198
Hong Kong (total imports)—			
Ore .. .. .	23,737	56,964	1,290
Australia—			
Ore .. .. .	104	34	211
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	573	529	374
Ferro-manganese .. .. .	2,129	4,010	1,834
Belgium-Luxemburg E.U.—			
Ore .. .. .	151,848	335,089	193,265
Czecho-Slovakia—			
Ore .. .. .	53,755	76,486	101,163
Denmark—			
Ore .. .. .	1,148	1,088	(a)
Estonia—			
Ore .. .. .	64	68	83
Finland (total imports)—			
Ore .. .. .	59	90	69
Ferro-manganese and spiegeleisen	252	878	822
France—			
Ore .. .. .	414,687	484,988	314,088
Ferro-manganese .. .. .	395	174	682
Manganese dioxide .. .. .	99	86	11
Germany—			
Ore .. .. .	226,007	545,417	419,060
Ferro-manganese .. .. .	946	319	190
Hungary—			
Ore .. .. .	29	51	(a)

(a) Information not available.

## IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore, including manganiferous iron ore .. .. .	23,588	74,193	57,162
Ferro-manganese .. .. .	123	12	17
Ferro-silico-manganese .. .. .	67	65	9
Manganese metal .. .. .	27	23	5
Latvia—			
Ore .. .. .	(a)	(a)	246
Lithuania—			
Ore .. .. .	23	59	77
Netherlands—			
Ore .. .. .	8,413	13,565	17,721
Norway—			
Ore .. .. .	101,077	128,992	122,543
Poland—			
Ore .. .. .	55,810	81,061	62,852
Ferro-manganese .. .. .	903	106	272
Roumania—			
Manganese dioxide .. .. .	48	62	(a)
Sweden—			
Ore (b) .. .. .	445	700	658
Ferro-manganese and spiegeleisen .. .. .	4,442	6,654	9,592
Ferro-silico-manganese .. .. .	83	16	12
Yugoslavia—			
Ore .. .. .	78	76	7,795
Ferro-manganese .. .. .	807	1,140	735
Algeria—			
Ore .. .. .	25,410	6,082	1
Mexico—			
Ferro-manganese .. .. .	59	870	208
United States—			
Ore .. .. .	846,645	974,429	513,637
Mn content .. .. .	415,748	464,715	242,857
Ferro-manganese and other Mn alloys (Mn content) .. .. .	30,733	23,925	21,138
Argentina—			
Dioxide and borate of manganese	68	223	179

(a) Information not available.

(b) In addition there was an import of ores not specified from the U.S.S.R. as follows:—

1936 .. .. .	6,000 long tons.
1937 .. .. .	11,249 " "
1938 .. .. .	12,910 " "

This is presumably Manganese ore.

## IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Chile—			
Ferro-manganese .. .. .	320	506	(a)
China—			
Ore .. .. .	2,082	1,384	59
Ferro-manganese .. .. .	121	483	21
Manganese dioxide .. .. .	644	680	373
French Indo-China—			
Ore .. .. .	57	69	87
Manganese di-oxide .. .. .	28	78	116
Japan (total imports)—			
Ore .. .. .	(b)	(b)	(b)
Ferro-manganese .. .. .	6	(a)	(a)
Manchuria—			
Ferro-manganese .. .. .	295	578	(a)

(a) Information not available.

(b) Not available, but exports to Japan from the following countries were recorded (long tons) :—

	1936	1937	1938
British India .. .. .	108,374	178,547	113,212
Hong Kong .. .. .	12,099	35,481	2,174
British Malaya .. .. .	35,660	34,024	30,570
U.S.S.R. .. .. .	15,090	(a)	(a)
China .. .. .	2,733	11	—

## MICA

PRODUCTION OF MICA  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Northern Rhodesia .. .. .	3	4	4
Southern Rhodesia .. .. .	9	16	13
Tanganyika Territory—			
Sheet .. .. .	10	33	22
Waste .. .. .	23	40	14
Union of South Africa (scrap) ..	488	1,712	1,098
Canada—			
Knife trimmed .. .. .	50	91	37
Thumb trimmed .. .. .	16	78	1
Splittings .. .. .	11	32	23
Rough cobbled .. .. .	5	48	—
Scrap .. .. .	633	595	276
Ceylon (exports) .. .. .	—	1	—
India (exports)—			
Blocks .. .. .	1,362	1,500	942
Splittings .. .. .	4,752	7,467	4,713
Scrap .. .. .	2,769	5,900	3,101
Australia .. .. .	21	84	65
FOREIGN COUNTRIES			
Italy .. .. .	12	24	120
Norway (exports) .. .. .	43	41	102
Roumania .. .. .	(c) 66	27	22
Sweden .. .. .	123	67	129
Eritrea .. .. .	4	(a)	(a)
Madagascar .. .. .	404	574	667
United States (sales)—			
Sheets (uncut) .. .. .	589	756	419
Scrap .. .. .	18,710	22,496	18,087
Argentina .. .. .	206	221	(a)
Bolivia (exports) .. .. .	—	9	4
Brazil (exports) .. .. .	233	325	513
Peru (exports) .. .. .	—	5	24
Korea .. .. .	69	(a)	(a)

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

(a) Information not available.

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

The following amounts of lithia mica were produced (long tons) :—

	1936	1937	1938
South West Africa .. .. .	852	1,030	—
Canada .. .. .	—	(£342)	—
France .. .. .	400	(a)	(a)
Portugal .. .. .	—	109	—
United States (lithium minerals)	1,108	1,212	796
Argentina .. .. .	60	181	(a)

EXPORTS OF MICA  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Splittings, ground and waste ..	74	85	142
Southern Rhodesia .. .. .	6	16	14
Tanganyika Territory—			
Sheet .. .. .	12	33	22
Waste .. .. .	23	45	15
Union of South Africa .. .. .	242	1,442	837
Canada—			
Roughcobbled and thumb trimmed .. .. .	75	114	53
Splittings .. .. .	12	59	22
Scrap and waste .. .. .	1,104	1,091	575
British India—			
Blocks .. .. .	1,362	1,500	942
Splittings .. .. .	4,752	7,467	4,713
Scrap .. .. .	2,769	5,900	3,101
Ceylon .. .. .	—	1	—
Australia—			
Slabs ( <i>£ Australian</i> ) .. .. .	( <i>£3,182</i> )	( <i>£7,228</i> )	( <i>£3,951</i> )
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	76	19	7
Belgium-Luxemburg E.U.—			
Sheets and plates .. .. .	77	88	79
Bulgaria .. .. .	(a)	20	—
Czecho-Slovakia .. .. .	(a)	25	53
France—			
Unmanufactured .. .. .	109	144	38
Sheet, plate and manufactures ..	14	33	13
Germany—			
Unmanufactured .. .. .	8	1	3
Netherlands .. .. .	5	10	13
Norway—			
Sheet .. .. .	2	1	1
Scrap .. .. .	41	40	101
Switzerland (including asbestos) ..	13	5	10
Madagascar—			
Phlogopite, etc. .. .. .	445	601	616
Mozambique .. .. .	3	—	23
United States—			
Unmanufactured .. .. .	164	191	315
Ground and manufactured ..	1,155	1,412	1,267
Argentina .. .. .	164	192	221
Bolivia .. .. .	—	9	4
Brazil .. .. .	239	325	513
Peru .. .. .	—	5	24

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Slabs .. .. .	485	506	332
Splittings .. .. .	1,062	1,327	1,204
Ground and waste .. .. .	906	957	1,173
Union of South Africa—			
Micanite sheets .. .. .	4	4	5
Canada—			
Mica and manufactures .. .. .	(£15,649)	(£16,922)	(£17,614)
British India—			
Sheet .. .. .	4	26	29
Splittings .. .. .	7	22	96
Australia—			
Slabs .. .. .	(£169)	(£410)	—
<b>FOREIGN COUNTRIES</b>			
Austria—			
Unmanufactured .. .. .	43	64	39
Sheet .. .. .	16	30	32
Belgium-Luxemburg E.U.—			
Crude sheet and crude plate .. .. .	183	207	151
Cut sheet and cut plate .. .. .	20	24	21
Czecho-Slovakia .. .. .	(a)	100	137
Denmark .. .. .	34	48	(a)
France—			
Unmanufactured .. .. .	686	639	629
Sheet, plate and manufactures .. .. .	48	47	40
Germany—			
Unmanufactured .. .. .	1,195	1,434	1,817
Italy—			
Unmanufactured and sheet .. .. .	450	355	415
Netherlands .. .. .	49	138	113
Poland .. .. .	52	102	107
Portugal .. .. .	9	2	(a)
Roumania .. .. .	4	8	(a)
Switzerland (including asbestos) .. .. .	1,020	1,151	820
Egypt .. .. .	—	10	22
Mexico .. .. .	60	283	11
United States (b)—			
Unmanufactured .. .. .	3,860	6,452	4,148
Cut, splittings and manufactures	2,102	3,673	995

(a) Information not available.

(b) Re-exports of mica and manufactures were 24, 25 and 75 tons during 1936, 1937 and 1938 respectively.

## MOLYBDENUM

### PRODUCTION OF MOLYBDENUM ORE

(Cwt.)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Canada .. .. .	—	147	140
Burma .. .. .	—	14	—
Australia .. .. .	403	1,400	1,163
FOREIGN COUNTRIES			
Italy ( <i>MoS<sub>2</sub> content</i> ) .. .. .	280	15	4
Roumania ( <i>Bi-Mo Ore</i> ) .. .. .	900	530	3,230
Norway ( <i>MoS<sub>2</sub> content</i> ) .. .. .	13,838	11,279	(a)
French Morocco ( <i>MoS<sub>2</sub> content</i> ) .. .. .	3,800	3,200	3,350
Mexico ( <i>MoS<sub>2</sub> content</i> ) .. .. .	17,522	20,655	15,861
United States ( <i>MoS<sub>2</sub> content</i> ) .. .. .	255,744	437,783	495,492
Peru ( <i>MoS<sub>2</sub> content</i> ) .. .. .	327	1,629	3,006
Japan .. .. .	120	(a)	(a)
Korea .. .. .	1,573	(a)	(a)
Turkey ( <i>MoS<sub>2</sub> content</i> ) .. .. .	—	720	1,340

Molybdenum ore is also produced in Yugoslavia and China.  
 (a) Information not available.



## EXPORTS OF MOLYBDENUM ORE, ETC.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Australia—			
Ore .. .. .	323	947	1,222
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore .. .. .	10,511	44,569	75,477
France—			
Molybdic acid and molybdates ..	104	522	1,573
Norway—			
Ore .. .. .	14,670	12,054	15,663
Morocco (French)—			
Ore .. .. .	3,688	2,926	5,096
Mexico—			
Ore and concentrates .. .. .	18,177	20,524	15,505
United States.. .. .	(b)	(b)	(b)
Peru—			
Ores ( <i>MoS<sub>2</sub></i> content) .. .. .	327	1,629	3,006
Turkey—			
Ore ( <i>Mo</i> content) .. .. .	—	292	2,022

(b) Exports are not separately recorded in the trade returns of the United States, but are estimated to be 50% to 75% of output.

## IMPORTS OF MOLYBDENUM ORE, ETC.

*(Less Re-exports)*

(Cwt.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	50,917	81,898	38,423
Canada—			
Calcium molybdate .. ..	1,416	1,898	1,619
FOREIGN COUNTRIES			
Austria—			
Ferro-molybdenum .. ..	1,046	2,352	829
Belgium-Luxemburg E.U.—			
Ore .. .. .	10,736	39,709	110,038
France—			
Molybdic acid and molybdates ..	12	73	26
Italy—			
Molybdenum metal .. ..	10	4	12
Ferro-molybdenum .. ..	5,836	4,986	3,974
U.S.S.R.—			
Ore .. .. .	709	70,213	(b) 32,558
Ferro-molybdenum .. ..	27,740	(a)	(a)
Yugoslavia—			
Ferro-molybdenum .. ..	24	202	39
United States—			
Ferro-molybdenum ( <i>Mo content</i> )..	—	69	(a)

(a) Information not available.

(b) January to September only.

**MONAZITE**

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**PRODUCTION OF MONAZITE**  
(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
India .. .. .	2,628	3,081	5,221
<b>FOREIGN COUNTRIES</b>			
Egypt .. .. .	1	—	—
Netherlands East Indies .. ..	657	364	387
Brazil (exports) .. .. .	—	417	318

## EXPORTS OF MONAZITE, ETC.

*(Domestic Produce)*

Exporting Country and Description.	Unit	1936	1937	1938
BRITISH EMPIRE				
United Kingdom—				
Gas mantles .. ..	Gross	15,227	12,558	10,703
India (Travancore)—				
Monazite sand .. ..	Long ton	1,929	3,591	3,997
British Malaya (including re-exports)—				
Gas mantles .. ..	Gross	27	27	80
FOREIGN COUNTRIES				
Austria—				
Gas mantles .. ..	Cwt.	18	12	16
Belgium-Luxemburg E.U.—				
Gas mantles .. ..	Cwt.	6	6	—
France—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	1,234	1,610	1,466
Gas mantles .. ..	Gross	243	278	261
Germany—				
Gas mantles .. ..	Gross	77,042	105,708	79,250
Hungary—				
Gas mantles .. ..	Cwt.	4	28	24
Italy—				
Gas mantles .. ..	Gross	92	2,869	1,142
Netherlands—				
Gas mantles .. ..	Gross	18	36	3
Poland—				
Gas mantles .. ..	Cwt.	8	43	14
Sweden—				
Gas mantles .. ..	Cwt.	32	34	31
United States—				
Gas mantles .. ..	Gross	7,657	10,127	7,113
Brazil—				
Monazite sand .. ..	Long ton	—	417	318

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	1936	1937	1938
BRITISH EMPIRE				
United Kingdom—				
Thorium nitrate, etc. ..	Cwt.	148	107	54
Gas mantles .. ..	Gross	885	1,193	1,246
Eire—				
Gas mantles .. ..	Gross	3,322	2,570	2,675
Canada—				
Thorium and cerium salts ..	£	1,824	1,525	1,335
British West Indies—				
Trinidad and Tobago—				
Gas mantles .. ..	Gross	117	251	304
Aden—				
Gas mantles .. ..	£	(a)	823	481
British India—				
Gas mantles .. ..	£	21,118	21,335	10,133
British Malaya (total im- ports)—				
Gas mantles .. ..	Gross	5,463	5,840	5,298
Burma—				
Gas mantles .. ..	£	(b)	(b) 3,640	4,458
Ceylon—				
Gas mantles .. ..	Gross	1,450	2,874	1,400
Australia—				
Gas mantles .. ..	Gross	4,656	6,201	4,318
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Gas mantles .. ..	Cwt.	24	8	8
Czecho-Slovakia—				
Gas mantles .. ..	Cwt.	14	20	4
Estonia—				
Gas mantles .. ..	Gross	289	443	624
Finland—				
Gas mantles .. ..	Cwt.	39	50	41
France—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	—	—	2
Gas mantles .. ..	Gross	347	417	264
Germany—				
Monazite sand .. ..	Long ton	49	2,414	2,377
Gas mantles .. ..	Gross	14	—	—

(a) Information not available.

(b) Included with India prior to April 1, 1937.

## IMPORTS OF MONAZITE, ETC. (Cont.)

Importing Country and Description.	Unit	1936	1937	1938
FOREIGN COUNTRIES (Cont.)				
Hungary—				
Gas mantles .. ..	Cwt.	14	16	12
Italy—				
Gas mantles .. ..	Gross	178	143	75
Thorium and cerium salts..	Cwt.	18	91	79
Netherlands—				
Gas mantles .. ..	Gross	4,984	5,415	5,697
Norway—				
Gas mantles .. ..	Cwt.	18	22	18
Poland—				
Gas mantles .. ..	Cwt.	6	12	10
Portugal—				
Gas mantles .. ..	Cwt.	15	11	(a)
Switzerland—				
Gas mantles .. ..	Cwt.	3	2	2
Yugoslavia—				
Gas mantles .. ..	Cwt.	15	9	10
Egypt—				
Gas mantles .. ..	Gross	7,722	6,941	5,618
United States—				
Monazite sand and thorite	Long ton	542	300	407
Argentina—				
Gas mantles.. ..	Gross	7,598	8,409	9,370
Brazil (total imports)—				
Gas mantles .. ..	Cwt.	12	5	—

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.

## NICKEL

## PRODUCTION OF NICKEL ORE

(In terms of metal)

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Southern Rhodesia (estimated) ..	14	4	75
Union of South Africa .. .. .	—	—	44
Canada .. .. .	75,777	100,404	94,006
Burma (b) .. .. .	1,292	1,214	944
Australia .. .. .	—	—	20
Total .. .. .	77,100	101,600	95,100
FOREIGN COUNTRIES			
Italy .. .. .	—	67	(a)
Greece (e) .. .. .	1,235	951	(a)
Norway .. .. .	1,251	863	1,100
U.S.S.R. (estimated) .. .. .	2,000	2,000	2,500
Egypt .. .. .	—	14	32
Morocco (French) .. .. .	146	250	316
United States (d) .. .. .	96	196	371
Brazil .. .. .	470	102	(a)
New Caledonia (c) .. .. .	9,000	11,100	12,300
Total .. .. .	14,000	15,500	18,000
WORLD'S TOTAL .. .. .	91,000	117,000	113,000

Nickel ores are also produced in Germany and the Netherlands East Indies.

(a) Information not available.

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

(c) Estimated content of ore as mined. The estimated content of ore, matte, etc., exported was

1936 .. .. .	4,800 long tons.
1937 .. .. .	5,800 " "
1938 .. .. .	7,250 " "

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

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

1936 .. .. .	1,754 long tons.
1937 .. .. .	2,143 " "
1938 .. .. .	2,054 " "

(e) Figures represent combined totals of nickel content and cobalt content of ores.

## EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc. .. ..	10,672	12,261	12,289
Plates, sheets, etc... ..	140	191	105
Ingots, sheets, wire, etc. (alloys)	1,067	1,430	1,445
Scrap and alloyed .. ..	(a)	882	935
Nickel oxide .. ..	39	47	30
Canada—			
Ore, matte, etc. ( <i>Ni content</i> ) ..	27,511	36,075	39,575
Nickel, fine .. ..	47,631	61,095	47,041
Nickel oxide ( <i>Ni content</i> ) ..	2,375	2,280	1,644
Hong Kong (including re-exports)—			
Nickel .. ..	19	2	111
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys .. ..	13	13	3
Sheets, tubes, etc., and alloys ..	820	1,078	597
Belgium-Luxemburg E. U.—			
Ingots, scrap, etc. .. ..	89	220	239
Sheets, wire, etc. .. ..	696	2,138	2,808
Czecho-Slovakia—			
Crude and scrap .. ..	34	63	18
Plates and sheets .. ..	20	46	39
Denmark—			
Sheets, rods, wire and alloys ..	4	15	(a)
France—			
Matte and speiss .. ..	74	2	—
Ingots .. ..	1,130	603	637
do. (alloys) .. ..	6	30	32
Sheets and wire .. ..	6	16	7
do. (alloys) .. ..	55	82	105
Germany—			
Nickel and chrome ores .. ..	355	15	—
Crude, scrap and coin .. ..	55	84	75
Bars, sheets, wire, etc. .. ..	223	295	269

(a) Information not available.



## EXPORTS OF NICKEL (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Greece—			
Ore .. .. .	(a)	15,299	51,563
Hungary—			
Crude, scrap, wire and alloys ..	10	5	—
Italy—			
Sheets, tubes, wire and alloys ..	7	3	2
Netherlands—			
Crude and scrap .. .. .	1,778	1,871	1,267
Norway—			
Ingots .. .. .	5,947	6,754	7,318
Sweden—			
Crude .. .. .	6	2	1
Switzerland—			
Crude, scrap, and alloys .. ..	186	315	262
Bars, sheets, etc., and alloys ..	423	437	509
United States—			
Bars, rods, sheets and alloys ..	3,070	3,408	5,287
Nickel-silver bars, etc. .. ..	424	365	355
Brazil—			
Ore .. .. .	4,708	4,105	1
New Caledonia—			
Ore .. .. .	5,409	17,681	31,979
Matte, etc. .. .. .	5,979	6,722	7,905

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (b)—			
Ore, concentrates and matte ..	(a)	27,843	29,568
Cubes, rondels, etc. .. ..	3,462	10,630	6,711
Plates, sheets, etc. .. ..	18	17	2
Ingots, sheets, etc. (alloys) ..	1,848	2,094	1,969
Nickel mass .. .. .	48	48	77
Scrap and alloyed .. .. .	(a)	854	717
Nickel oxide .. .. .	108	141	95
Eire—			
Nickel, alloys and manufactures	7	11	16
Canada—			
Ingots or blocks and alloyed ..	4	9	11
Bars, rods, sheets, etc. .. ..	343	366	371
do. (alloyed) .. .. .	69	64	56
British India—			
Nickel-silver .. .. .	1,230	1,223	1,749
Hong Kong (total imports)—			
Nickel .. .. .	20	21	46
Australia—			
Ingots, sheets, scrap, etc. ..	82	229	103
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloyed .. ..	1,166	2,440	1,500
Sheets, tubes, etc., and alloyed ..	60	70	12
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc. .. ..	1,066	1,107	1,795
Sheets, wire, etc. .. .. .	188	359	271
Czecho-Slovakia—			
Crude and scrap .. .. .	1,733	2,201	1,901
Plates and sheets .. .. .	63	65	43
Denmark—			
Crude and scrap .. .. .	102	76	(a)
Bars, sheets, wire and alloys ..	113	77	(a)

(a) Information not available.

(b) Canada records exports to the United Kingdom of nickel contained in ore, matte and speiss as follows :—1936, 13,831 long tons.

## IMPORTS OF NICKEL (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Crude and scrap .. .. .	22	14	15
France—			
Ore .. .. .	135	90	552
Matte and speiss .. .. .	4,862	4,898	4,499
Ingots .. .. .	1,893	2,596	3,409
do. (alloys) .. .. .	11	52	31
Sheets and wire .. .. .	270	312	196
do. (alloys) .. .. .	505	647	849
Nickel sulphate and oxide .. .. .	1,073	1,092	999
Germany—			
Ore .. .. .	17,372	(b) 19,674	(b) 33,675
Crude, scrap and coin .. .. .	3,339	3,312	3,921
Bars, sheets, wire, etc. .. .. .	154	243	151
Greece .. .. .	6	15	12
Hungary—			
Crude, scrap and alloys .. .. .	330	245	412
Bars and wire .. .. .	92	93	92
Italy—			
Ingots, scrap and alloyed .. .. .	3,490	2,797	3,670
Sheets, tubes, wire, etc., and alloyed .. .. .	281	348	283
Latvia—			
Ingots, sheets and tubes .. .. .	4	10	24
Netherlands—			
Crude and scrap .. .. .	1,769	2,464	1,283
Norway—			
Crude, bars, rods, etc. .. .. .	40	27	12
Matte (copper-nickel) .. .. .	9,078	11,790	13,162
Poland—			
Ingots, sheets, scrap, etc. .. .. .	508	768	729
Portugal .. .. .	3	4	(a)
Roumania—			
Crude, sheets and wire .. .. .	66	79	98
Sweden—			
Crude .. .. .	1,501	1,825	2,555
Switzerland—			
Crude, scrap, and alloyed .. .. .	406	866	879
Bars, sheets, etc., and alloyed .. .. .	386	577	355

(a) Information not available.

(b) An export is recorded by Greece to Germany of 15,280 long tons in 1937 and 51,504 long tons in 1938—these are not however included in the German records.

## IMPORTS OF NICKEL (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
U.S.S.R.—			
Ingots, etc. . . . .	7,101	8,933	(c) 8,244
Yugoslavia—			
Crude, scrap and coin . . . .	11	21	8
Bars, sheets, wire, etc. . . .	20	30	39
Algeria—			
Sheets, wire and alloys . . . .	6	3	10
Egypt (total imports)—			
Crude, bars, sheets, etc. . . .	55	34	37
Morocco (French)—			
Crude, bars, sheets and alloys . .	—	9	(a)
United States—			
Ore and matte . . . . .	10,355	11,199	6,531
Crude, etc., and alloys . . . .	35,950	36,493	19,588
Nickel oxide . . . . .	1,138	913	248
Argentina—			
Sheets . . . . .	16	20	23
Brazil (total imports)—			
Cubes and sheets . . . . .	86	128	154
Chile—			
Bars and plates . . . . .	19	39	(a)
Uruguay—			
Ingots . . . . .	—	3	3
China . . . . .	59	65	12
French Indo-China . . . . .	2	4	3
Iran (total imports) (b)—			
Ingots, bars, etc. . . . .	101	173	68
Japan (total imports)—			
Ingots and grains . . . . .	2,504	(a)	(a)
Other nickel . . . . .	34	(a)	(a)
Netherlands East Indies—			
Crude, alloys, etc. . . . .	6	8	(a)
Philippine Islands . . . . .	1	1	14
Siam . . . . .	2	5	9
Turkey—			
Ingots, bars, sheets, alloys, etc.	13	15	13

(a) Information not available.

(b) Years ended June 21.

(c) January to September only.

## NITROGEN COMPOUNDS

### PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
India—			
Nitrate of potash (estimated) ..	8,800	8,900	8,100
<b>FOREIGN COUNTRIES</b>			
Egypt—			
Nitrate shale (7% nitrate) ..	14,009	11,126	—
Chile (c)—			
Nitrate of soda .. .. .	1,199,725	1,284,606	1,397,880

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

(c) Figures refer to the years ended June 30 of the year stated. The estimated outputs for the calendar years were:—

1936 .. .. .	1,250,000 long tons.
1937 .. .. .	1,420,000   "   "
1938 .. .. .	1,380,000   "   "

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS.\*  
(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Great Britain—			
Ammonium salts expressed as sulphate (25½% NH <sub>3</sub> ) (b) ..	623,700	708,200	623,700
Eire—			
Ammonium sulphate .. ..	2,371	2,242	1,806
Union of South Africa—			
Ammonium sulphate (c) .. ..	621	(a)	(a)
Canada—			
Ammonium sulphate .. ..	88,152	80,516	109,600
Ammonium phosphate (c) .. ..	30,777	(a)	(a)
Cyanamide (c) .. ..	136,552	(a)	(a)
India—			
Ammonium sulphate .. ..	17,603	18,150	14,616
Australia—			
Ammonium sulphate (c) .. ..	17,541	19,338	(a)
FOREIGN COUNTRIES			
Austria—			
Ammonium sulphate .. ..	6,212	(a)	(a)
Ammonium carbonate .. ..	57	(a)	(a)
Aqueous ammonia .. ..	631	(a)	(a)
Ammonia liquor .. ..	221	(a)	(a)
Belgium—			
Ammonium sulphate .. ..	302,215	305,000	280,000
Cyanamide .. ..	24,000	24,300	25,000
Czecho-Slovakia—			
Ammonia fertilizers .. ..	77,653	83,271	(a)
Nitrate fertilizers .. ..	30,808	31,004	(a)
Denmark—			
Ammonium sulphate .. ..	322	352	336

\* Includes by-product ammonium sulphate which is separately recorded as far as available on pages 90-93.

(a) Information not available.

(b) Actual ammonium sulphate production (basis 25½% NH<sub>3</sub>) was :—

1936 .. .. .	373,000 long tons.
1937 .. .. .	512,000 " "
1938 .. .. .	515,000 " "

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

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS  
(Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—			
Ammonium sulphate .. ..	229,000	330,000	(a)
Cyanamide .. ..	53,000	64,600	(a)
Nitrate of soda (c) .. ..	101,240	95,224	160,600
Nitrate of lime (c) .. ..	105,700	145,653	107,721
"Ammonitrate" .. ..	89,799	117,164	113,500
Germany (b)—			
Cyanamide .. ..	667,000	593,000	542,000
Ammonia products—			
Coke-ovens .. ..	471,203	544,066	(a)
Gas-works .. ..	14,000	15,024	(a)
Hungary—			
Ammonium sulphate .. ..	1,260	1,598	1,700
Aqueous ammonia .. ..	443	466	(a)
Italy—			
Ammonium sulphate .. ..	138,728	159,258	206,309
Cyanamide .. ..	201,025	177,753	147,307
Nitrate of soda .. ..	13,893	7,106	6,211
Nitrate of lime .. ..	61,928	114,570	127,542
Nitrate of ammonia .. ..	8,366	38,609	48,830
Ammonium sulphate nitrate .. ..	362	5	—
Di-ammonium phosphate .. ..	20,620	25,103	25,763
Netherlands—			
Ammonium sulphate .. ..	241,230	298,000	290,000
Nitrate of lime .. ..	44,200	50,700	52,200
Norway (years ended June 30)—			
Cyanamide .. ..	33,732	36,548	44,900
Nitrate of ammonia .. ..	1,364	7,507	(a)
Nitrate of lime .. ..	349,401	313,644	324,300
Nitrate of soda .. ..	11,476	28,700	21,100
Ammonium sulphate .. ..	5,500	—	7,800
Lime ammonium nitrate .. ..	22,189	38,730	(a)
Dolomite ammonium nitrate .. ..	25,938	43,578	(a)
Poland—			
Ammonium sulphate .. ..	58,330	63,307	66,479
Ammonium carbonate .. ..	560	(a)	(a)
Ammonium chloride .. ..	1,725	(a)	(a)

(a) Information not available.

(b) The total production of Nitrogen in Germany (in terms of N) was 622,933 tons in 1936 and 689,000 in 1937.

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

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS  
(Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Poland—(cont.)			
“ Wapnamon ” .. .. .	4,117	3,815	4,279
Cyanamide .. .. .	28,068	67,024	79,089
Nitrate of soda .. .. .	2,478	5,008	3,863
Saletrzak .. .. .	11,644	18,874	16,089
Nitrophos .. .. .	4,726	2,041	98
Nitrate of ammonia .. .. .	2,955	2,851	4,271
Nitrate of lime .. .. .	41,230	55,800	81,528
Roumania—			
Cyanamide.. .. .	502	(a)	(a)
Sweden—			
Ammonium sulphate .. .. .	4,930	5,512	(a)
Ammonia (25%) .. .. .	1,201	1,145	(a)
Nitrogen fertilizer (N content) .. .. .	6,909	6,448	(a)
Switzerland (estimated)— .. .. .			
Ammonium sulphate .. .. .	3,000	3,000	3,000
Cyanamide (estimated) .. .. .	10,000	12,600	(a)
U.S.S.R. (estimated)—			
Fertilizer Nitrogen (N content).. .. .	120,000	120,000	(a)
Industrial Nitrogen (N content)	18,000	20,000	(a)
Yugoslavia—			
Cyanamide (estimated) .. .. .	32,000	42,000	39,500
United States—			
Sulphate equivalent of ammonia produced (coke-ovens) .. .. .	619,948	693,671	468,600
Japan and Korea—			
Ammonium sulphate .. .. .	1,249,972	1,324,548	(a)
Cyanamide (b) .. .. .	199,951	284,055	(a)
Korea—			
Ryu-rin-an (c) .. .. .	125,400	150,900	(a)
Ryu-ka-rin-an (d) .. .. .	(a)	13,000	(a)
Manchuria—			
Ammonium sulphate .. .. .	176,635	177,032	(a)

(a) Information not available.

(b) Net output for sale, i.e. excluding the amount converted into ammonium sulphate.

(c) Ammonium phosphate fertilizer.

(d) Ammonium phosphate fertilizer mixed with potash.



## ESTIMATED WORLD PRODUCTION AND CONSUMPTION OF NITROGEN

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

Production.	1936	1937	1938
By-product sulphate of ammonia ..	403,000	426,000	(a)
Synthetic sulphate of ammonia ..	659,000	714,000	(a)
Cyanamide .. .. .	280,000	294,000	(a)
Nitrate of lime .. .. .	167,000	188,000	(a)
Other forms of synthetic nitrogen (b)	787,000	929,000	(a)
Other forms of by-product nitrogen (b) .. .. .	50,000	26,000	(a)
Chilean nitrate of soda .. .. .	199,000	224,000	(a)
Total production .. .. .	2,545,000	2,801,000	(a)
<b>Consumption.</b>			
Manufactured nitrogen .. .. .	2,358,000	2,583,000	(a)
Chilean nitrate of soda .. .. .	228,000	244,000	(a)
Total consumption .. .. .	2,586,000	2,827,000	(a)
Agricultural consumption .. <i>about</i>	2,238,000	2,470,000	(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.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash .. ..	1,255	958	1,020
Nitrate of soda .. ..	8,441	533	1,401
Nitrate of lime .. ..	4	8	1
Ammonium sulphate .. ..	215,413	311,771	313,393
Ammonium chloride .. ..	4,901	5,475	4,314
Ammonium nitrate .. ..	17,008	5,310	16,326
Liquid ammonia .. ..	373	419	414
Anhydrous ammonia .. ..	692	902	790
Canada—			
Ammonium sulphate .. ..	76,638	50,434	68,921
Cyanamide .. ..	114,115	130,554	123,640
British India—			
Nitrate of potash .. ..	8,140	8,357	7,441
Ammonium sulphate .. ..	3,232	1,919	1,313
British Malaya (including re- exports)—			
Nitrate of potash .. ..	368	345	380
Other nitrogen fertilizers .. ..	1,038	2,294	1,647
Hong Kong (including re-exports)—			
Nitrate of potash .. ..	536	803	451
Ammonium sulphate .. ..	82,213	93,263	85,714
Ammonium chloride .. ..	297	336	227
Anhydrous ammonia .. ..	4	—	4
Australia—			
Ammonium sulphate .. ..	345	52	75
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash .. ..	233	347	175
Nitrate of soda .. ..	49	—	—
Ammonium sulphate .. ..	2	—	—
Liquid ammonia .. ..	9	4	3

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Nitrate of potash .. .. .	3	264	239
Nitrate of soda .. .. .	1,003	9,488	745
Nitrate of lime .. .. .	409	38	2,567
Ammonium sulphate .. .. .	141,259	187,603	144,676
Ammonium chloride .. .. .	2,180	2,883	2,532
Ammonium nitrate .. .. .	7,511	6,985	14,754
Cyanamide .. .. .	870	213	122
Liquid ammonia .. .. .	401	383	367
Czecho-Slovakia—			
Nitrate of potash .. .. .	40	2	14
Nitrate of soda .. .. .	18	23	35
Ammonium sulphate .. .. .	130	4,121	260
Ammonium chloride .. .. .	427	417	178
France—			
Nitrate of potash .. .. .	1,647	2,261	3,362
Nitrate of soda .. .. .	1,263	612	1,308
Nitrate of lime .. .. .	981	1,454	1,628
Ammonium sulphate and nitrate	20,503	24,992	16,222
Cyanamide .. .. .	990	410	868
Liquid ammonia .. .. .	371	294	351
Germany—			
Nitrate of potash .. .. .	30,571	32,014	26,510
Nitrate of soda .. .. .	9,799	25,429	19,151
Nitrate of lime, etc. .. .. .	113,580	221,003	169,758
Ammonium sulphate .. .. .	302,585	350,943	299,728
Ammonium chloride .. .. .	13,195	12,067	7,259
Ammonium nitrate, etc. .. .. .	40,276	63,712	21,584
Cyanamide .. .. .	20	9,373	5,225
Liquid ammonia .. .. .	7,162	5,032	9,897
Hungary—			
Ammonium sulphate, etc. (b) ..	27,569	27,010	20,674
Liquid ammonia .. .. .	27	49	64
Italy—			
Nitrate of potash .. .. .	1	6	—
Nitrate of soda .. .. .	28	29	9
Nitrate of lime .. .. .	52	37	44
Ammonium nitrate .. .. .	5	70	370
Ammonium sulphate .. .. .	691	1,137	425
Cyanamide .. .. .	25	58	69
Other nitrogen fertilizers.. ..	157	69	650
Liquid ammonia .. .. .	14	15	19

(b) Chiefly "Pet nitrate," *i.e.*, lime ammonium nitrate.

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Nitrate of soda .. .. .	1	—	—
Netherlands—			
Nitrate of potash .. .. .	79	41	54
Nitrate of soda .. .. .	(b) 301	(b) 324	121
Nitrate of lime .. .. .	5,144	4,150	3,756
Ammonium sulphate .. .. .	179,649	243,737	219,864
Ammonium chloride .. .. .	2	5	17
Ammonium nitrate .. .. .	22	35	1,042
Lime ammonium nitrate .. .. .	125	512	110
Cyanamide .. .. .	—	—	2
Norway—			
Nitrate of soda .. .. .	19,401	37,436	12,363
Nitrate of lime .. .. .	420,802	348,574	398,039
Ammonium sulphate .. .. .	6,519	1,840	469
Ammonium nitrate .. .. .	2,380	7,986	1,989
Cyanamide .. .. .	29,302	33,671	39,346
Poland—			
Nitrate of potash .. .. .	592	659	277
Nitrate of soda .. .. .	78	360	419
Nitrate of lime .. .. .	12,770	467	13,959
Ammonium chloride .. .. .	1,218	1,793	1,992
Ammonium nitrate .. .. .	498	—	—
Ammonium sulphate .. .. .	32,354	63,006	32,574
Cyanamide .. .. .	2,799	2,528	2,508
Sweden—			
Nitrates of potash, soda and lime..	6	9	9
Liquid ammonia .. .. .	14	5	9
Switzerland—			
Nitrate of potash (crude) ..	20,948	18,956	17,387
Nitrates of potash and soda (purified) .. .. .	—	—	5
U.S.S.R.—			
Nitrates of potash and soda ..	413	} 43,341	(c) 19,124
Ammonium sulphate .. .. .	25,637		
Yugoslavia—			
Cyanamide .. .. .	34,773	36,950	38,332
Algeria—			
Nitrates of lime and soda ..	1	2	—
Ammonium sulphate .. .. .	22	8	48
Cyanamide.. .. .	—	98	—

(b) Includes re-exports.

(c) January to September only.

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—			
Ammonium sulphate .. ..	105,782	73,916	30,716
Other nitrogen fertilizers .. ..	139,177	141,113	177,774
Chile—			
Nitrate of soda .. .. .	1,380,450	1,586,384	1,548,000
Formosa—			
Ammonium sulphate .. .. .	3,949	7,737	(a)
Japan—			
Nitrate of potash .. .. .	(a)	746	298
Nitrate of soda .. .. .	(a)	585	158
Ammonium sulphate .. .. .	17,467	7,089	23
Cyanamide .. .. .	1,255	706	2,063
Manchuria—			
Ammonium sulphate .. .. .	174,283	153,737	208,980

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash .. .. .	3,877	3,546	2,460
Nitrate of soda .. .. .	44,336	39,469	46,212
Nitrate of lime .. .. .	4,955	5,172	5,116
Cyanamide .. .. .	2,145	3,975	4,911
Ammonium sulphate .. .. .	38	26	28
Ammonium chloride .. .. .	2,185	2,272	1,526
Ammonium nitrate .. .. .	1,149	5,590	1,572
Anhydrous ammonia .. .. .	37	28	43
Eire—			
Nitrate of potash .. .. .	214	245	277
Nitrate of soda .. .. .	1,915	1,933	2,042
Ammonium sulphate .. .. .	28,858	25,379	31,410
Anhydrous ammonia .. .. .	8	8	6
Other ammonium salts .. .. .	603	(a)	(a)
Anglo-Egyptian Sudan—			
Ammonium sulphate .. .. .	1,231	1,965	2,089
Mauritius—			
Nitrate of potash .. .. .	3,701	4,483	4,450
Nitrate of soda .. .. .	576	990	149
Ammonium sulphate .. .. .	13,473	12,199	10,951
Nitrophoska, etc. .. .. .	532	879	(a)
Northern Rhodesia—			
Nitrates .. .. .	102	103	5
Southern Rhodesia—			
Nitrates .. .. .	65	80	64
Anhydrous ammonia .. .. .	10	9	16
South West Africa—			
Anhydrous ammonia .. .. .	5	7	5
Union of South Africa—			
Nitrate of potash .. .. .	44	85	81
Nitrate of soda .. .. .	13,419	10,674	5,621
Ammonium sulphate .. .. .	11,672	13,533	15,547
Ammonium chloride .. .. .	152	194	205
Ammonium nitrate .. .. .	7,753	11,276	11,059
Anhydrous ammonia .. .. .	168	159	153
British Guiana—			
Nitrogen fertilizers .. .. .	9,960	11,148	10,205

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Canada—			
Nitrate of potash .. .. .	657	1,122	1,031
Nitrate of soda .. .. .	27,325	25,118	30,865
Ammonium sulphate .. .. .	5,115	2,884	5,277
Ammonium chloride .. .. .	1,337	2,452	1,032
Ammonium nitrate .. .. .	1,822	4,616	7,104
British West Indies—			
Barbados—			
Nitrate of soda .. .. .	204	191	307
Ammonium sulphate .. .. .	6,550	6,879	5,528
St. Vincent—			
Ammonium sulphate .. .. .	462	643	449
Trinidad and Tobago—			
Ammonium sulphate .. .. .	7,926	6,930	6,885
British India—			
Nitrate of soda .. .. .	2,539	3,005	2,624
Ammonium sulphate .. .. .	58,417	48,136	72,554
Ammonium phosphate .. .. .	6,082	3,081	3,353
Ammonium chloride .. .. .	(c)1,085	1,660	1,342
Other ammonium salts .. .. .	1,271	1,119	858
Anhydrous ammonia .. .. .	148	127	143
Other nitrogen fertilizers.. .. .	1,300	424	1,091
British Malaya (total imports)—			
Nitrate of potash .. .. .	454	310	496
Other nitrogen fertilizers .. .. .	11,891	38,151	31,157
Burma—			
Nitrogen fertilizers .. .. .	(b)	(b)597	22
Ammonium sulphate .. .. .	(b)	(b)749	269
Ammonium chloride .. .. .	(b)	(b)11	16
Anhydrous ammonia .. .. .	(b)	(b)22	31
Ceylon—			
Nitrate of potash refuse .. .. .	1,073	1,347	1,148
Nitrate of soda .. .. .	372	592	568
Ammonium sulphate .. .. .	25,150	33,751	34,898
Cyanamide.. .. .	650	1,850	1,250
Cyprus—			
Ammonium chloride .. .. .	3	3	6
Hong Kong (total imports)—			
Nitrate of potash .. .. .	496	1,507	714
Nitrate of soda .. .. .	165	90	30
Ammonium sulphate .. .. .	83,118	117,697	73,511
Ammonium chloride .. .. .	804	1,404	958
Anhydrous ammonia .. .. .	13	10	16

(b) Included with India prior to April 1, 1937.

(c) April to December only.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Palestine—			
Nitrogen fertilizers .. ..	3,597	3,976	4,913
Australia—			
Nitrate of potash .. ..	335	310	381
Nitrate of soda .. ..	4,504	8,619	9,635
Ammonium chloride .. ..	1,240	1,461	1,705
Ammonium sulphate .. ..	31,660	31,558	28,696
New Zealand—			
Nitrate of potash .. ..	75	66	64
Nitrate of soda .. ..	1,620	2,846	2,834
Ammonium sulphate .. ..	5,384	5,127	5,443
Ammonium chloride .. ..	85	88	90
Anhydrous ammonia .. ..	16	10	25
FOREIGN COUNTRIES			
Austria—			
Nitrate of soda .. ..	2,615	5,702	3,044
Nitrate of lime .. ..	7,823	11,171	—
Nitrophoska .. ..	4,702	6,787	—
Cyanamide .. ..	8,571	8,305	9,600
Ammonium nitrate .. ..	794	1,483	154
Ammonium sulphate .. ..	1	32	—
Ammonium chloride .. ..	135	105	23
Lime ammonium nitrate .. ..	2,883	4,207	3,174
Belgium-Luxemburg E.U.—			
Nitrate of potash .. ..	2,173	1,691	1,540
Nitrate of soda .. ..	54,269	46,152	52,028
Nitrate of lime .. ..	1	811	1,907
Cyanamide .. ..	19,886	7,465	13,306
Ammonium sulphate .. ..	766	73	70
Ammonium chloride .. ..	841	577	218
Ammonium nitrate .. ..	6	9	10
Bulgaria—			
Nitrate of potash .. ..	60	125	118
Nitrate of soda .. ..	236	571	58
Ammonium nitrate, etc. .. ..	250	277	372
Ammonium chloride .. ..	100	86	89
Liquid ammonia .. ..	35	17	21



## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Nitrate of potash .. .. .	9	1	—
Nitrate of soda .. .. .	9,867	10,482	10,308
Ammonium sulphate .. .. .	1	—	—
Ammonium chloride .. .. .	31	8	61
Cyanamide, etc. .. .. .	23	25	19
Denmark—			
Nitrate of potash .. .. .	470	304	590
Nitrate of soda .. .. .	49,712	50,408	77,424
Nitrate of lime .. .. .	113,573	100,614	138,648
Ammonium sulphate .. .. .	42,638	35,638	77,147
Ammonium chloride .. .. .	441	402	(a)
Ammonium nitrate .. .. .	38	34	(a)
Cyanamide .. .. .	2,131	1,689	3,857
Nitrophoska .. .. .	1,369	1,767	1,755
Estonia—			
Nitrate of potash .. .. .	34	38	41
Nitrate of soda .. .. .	285	603	1,545
Nitrate of lime .. .. .	2,376	3,144	4,150
Ammonium sulphate .. .. .	435	524	1,115
Ammonium chloride .. .. .	20	33	33
Cyanamide .. .. .	382	512	1,107
Nitrophoska .. .. .	182	187	181
Finland (total imports)—			
Nitrate of potash .. .. .	83	65	45
Nitrate of soda .. .. .	2,703	9,242	9,070
Nitrate of lime .. .. .	22,566	34,536	35,475
Ammonium nitrate .. .. .	353	406	445
Ammonium sulphate .. .. .	2,358	4,967	5,593
Ammonium chloride .. .. .	30	34	53
Liquid ammonia .. .. .	4	12	10
France—			
Nitrate of soda .. .. .	66,370	124,939	201,253
Nitrate of lime, etc. .. .. .	1	1	27,022
Ammonium sulphate .. .. .	31	43,895	69,476
Liquid ammonia .. .. .	11	5	3
Germany—			
Nitrate of potash .. .. .	—	2	11
Nitrate of soda .. .. .	90,598	103,488	144,725
Nitrate of lime, etc. .. .. .	1	2	5
Ammonium chloride .. .. .	8	—	—
Liquid ammonia .. .. .	43	10	42

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Greece—			
Nitrate of potash .. .. .	64	245	128
Nitrate of soda .. .. .	3,603	4,801	7,812
Ammonium nitrate .. .. .	374	499	360
Ammonium sulphate .. .. .	14,353	15,928	21,314
Liquid ammonia .. .. .	(a)	6,913	9,814
Hungary—			
Nitrates of soda and lime .. .. .	159	204	109
Ammonium sulphate, etc. .. .. .	14	4	9
Iceland—			
Nitrate of potash .. .. .	7	8	(a)
Nitrate of lime .. .. .	1,156	1,359	(a)
Lime ammonium nitrate .. .. .	395	492	(a)
Cyanamide .. .. .	4	10	(a)
Nitrophoska .. .. .	915	1,250	(a)
Ammonia .. .. .	(a)	4	(a)
Italy—			
Nitrate of potash .. .. .	845	575	160
Nitrate of soda .. .. .	62,639	83,354	50,593
Nitrate of lime .. .. .	—	48,216	19,440
Ammonium sulphate .. .. .	—	94,054	19,421
Ammonium chloride .. .. .	109	118	74
Cyanamide .. .. .	4,301	30,123	14,016
Latvia—			
Nitrate of potash .. .. .	50	52	72
Nitrate of soda .. .. .	3,997	6,529	10,778
Nitrate of lime .. .. .	7,506	13,172	8,345
Nitrophoska .. .. .	1,321	1,802	1,748
Ammonium sulphate .. .. .	3,222	4,176	5,463
Ammonium chloride .. .. .	24	65	40
Ammonium nitrate .. .. .	29	98	81
Lime ammonium nitrate .. .. .	274	1,494	1,494
Lithuania—			
Nitrate of potash .. .. .	46	62	6
Nitrate of soda .. .. .	3,022	75	555
Nitrate of lime .. .. .	2,880	3,157	5,570
" Leuna " nitrate .. .. .	98	74	2,115
Nitrophoska .. .. .	50	47	138
Ammonium sulphate .. .. .	432	112	638
Netherlands—			
Nitrate of potash .. .. .	718	2,690	2,699
Nitrate of soda .. .. .	43,662	58,149	65,012
Nitrate of lime .. .. .	21	—	2,150

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—(cont.)			
Ammonium sulphate .. ..	3,003	326	396
Ammonium chloride .. ..	350	486	447
Ammonium nitrate .. ..	1,910	2,959	4,821
Lime ammonium nitrate .. ..	46,217	42,595	72,378
Cyanamide .. ..	16,768	26,052	31,843
Norway—			
Nitrate of potash .. ..	133	166	158
Nitrate of soda .. ..	310	1,013	973
Nitrophoska .. ..	55	6,777	—
Ammonium sulphate .. ..	50	1	1
Ammonium nitrate .. ..	5	99	—
Poland—			
Nitrates of potash and soda .. ..	—	5	33
Ammonium sulphate .. ..	1,985	2,707	3,401
Ammonium chloride .. ..	44	104	87
Portugal—			
Nitrate of potash .. ..	80	127	(a)
Nitrate of soda .. ..	4,130	5,872	7,587
Nitrate of lime .. ..	346	1,248	(a)
Ammonium sulphate .. ..	53,383	61,851	59,998
Ammonium chloride .. ..	26	20	(a)
Ammonium nitrate .. ..	207	441	(a)
Cyanamide .. ..	2,478	4,277	2,823
Roumania—			
Nitrate of potash .. ..	80	138	191
Nitrate of soda .. ..	275	605	452
Ammonium nitrate .. ..	103	474	324
Ammonium sulphate .. ..	390	487	456
Ammonium chloride .. ..	262	168	95
Liquid ammonia .. ..	18	14	(a)
Sweden—			
Nitrate of potash .. ..	553	582	536
Nitrate of soda .. ..	53,659	47,224	61,714
Nitrate of lime .. ..	65,295	53,476	63,329
Ammonium nitrate .. ..	51	25	2
Ammonium sulphate .. ..	4,432	1,559	3,404
Ammonium chloride .. ..	458	578	604
Liquid ammonia .. ..	4	30	25
Switzerland—			
Nitrate of potash, crude .. ..	3	—	—
Nitrate of soda (Chilean) .. ..	405	2,439	218
Nitrates of potash and soda, purified .. ..	912	1,568	1,398

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Switzerland—( <i>cont.</i> )			
Ammonium sulphate, etc. ..	319	70	42
Ammonium chloride .. ..	225	199	234
Liquid ammonia .. ..	3	2	3
Yugoslavia—			
Nitrate of potash .. ..	42	14	13
Nitrate of soda .. ..	586	1,013	1,127
Ammonium sulphate .. ..	286	221	387
Ammonium chloride .. ..	163	134	117
Ammonium nitrate .. ..	1,896	2,766	2,011
Liquid ammonia .. ..	220	113	45
Algeria—			
Nitrate of potash .. ..	261	198	189
Nitrate of soda .. ..	1,049	402	889
Nitrate of lime .. ..	823	1,070	808
Ammonium sulphate .. ..	6,296	16,307	13,001
Cyanamide .. ..	434	387	306
Liquid ammonia .. ..	39	38	50
Egypt—			
Nitrate of soda .. ..	202,519	257,422	185,168
Nitrate of lime .. ..	173,404	194,737	201,011
Ammonium sulphate .. ..	17,810	16,083	18,569
Ammonium chloride .. ..	323	450	372
Cyanamide .. ..	545	697	591
Sulpho-nitrate of ammonia ..	15,390	5,545	9,414
Ammonium nitrate .. ..	19,267	24,626	14,756
Nitro-chalk .. ..	45,513	57,477	21,994
French West Africa—			
Nitrogen fertilizers .. ..	1,356	1,258	1,016
Madagascar—			
Nitrate of potash .. ..	286	197	106
Nitrate of soda .. ..	72	49	57
Ammonium sulphate .. ..	254	597	490
Morocco (French)—			
Nitrate of potash .. ..	—	35	(a)
Nitrate of soda .. ..	117	271	(a)
Nitrate of lime .. ..	20	158	(a)
Ammonium sulphate .. ..	994	1,548	(a)
Ammonium nitrate .. ..	(a)	260	(a)
Cyanamide .. ..	10	—	(a)
Other nitrogen fertilizers ..	233	11	(a)
Morocco (Spanish)—			
Nitrate of soda .. ..	26	(a)	1
Ammonium sulphate .. ..	8	205	229

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Mozambique—			
Ammonium sulphate .. ..	3	45	(a)
Réunion—			
Nitrates of potash, lime, etc. .. ..	64	271	(a)
Ammonium sulphate .. ..	502	3,022	(a)
Tunis—			
Nitrate of potash .. ..	22	42	92
Nitrate of soda .. ..	69	207	302
Nitrate of lime .. ..	502	20	39
Ammonium sulphate .. ..	889	1,374	724
Cuba—			
Nitrates of potash and soda .. ..	1,862	1,210	(a)
Guatemala—			
Nitrate of potash .. ..	53	—	—
Martinique—			
Nitrate of soda .. ..	212	177	(a)
Ammonium sulphate .. ..	5,961	8,004	(a)
Cyanamide .. ..	88	138	(a)
Mexico—			
Nitrates of potash and soda .. ..	3,398	9,886	7,390
Ammonium sulphate .. ..	5,861	4,015	2,637
Ammonium chloride .. ..	256	301	191
United States—			
Nitrate of potash .. ..	59,960	71,168	52,805
Nitrate of soda .. ..	469,385	624,264	571,890
Nitrate of lime .. ..	36,959	40,612	28,356
Ammonium sulphate .. ..	153,273	83,389	120,837
Ammonium chloride .. ..	4,144	3,772	2,939
Ammonium nitrate .. ..	57,005	69,297	68,984
Cyanamide .. ..	112,863	123,417	119,120
Argentina—			
Nitrate of potash .. ..	125	161	152
Nitrate of soda .. ..	2,389	3,924	3,181
Ammonium sulphate .. ..	197	598	18
Liquid ammonia .. ..	20	26	18
Anhydrous ammonia .. ..	662	565	540
Brazil (total imports)—			
Nitrate of potash .. ..	5,559	10,032	7,767
Liquid ammonia .. ..	26	43	16
Chile—			
Liquid ammonia .. ..	11	21	(a)
Ammonium chloride .. ..	99	131	(a)
Ammonium sulphate .. ..	1	4	(a)
Ammonium nitrate .. ..	1,868	1,109	(a)

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Nitrate of potash .. .. .	63	188	430
Nitrate of soda .. .. .	15	84	—
Nitrate of lime .. .. .	189	—	—
Ammonium chloride .. .. .	7	7	3
Ammonium sulphate .. .. .	301	298	(a)
Other nitrogen fertilizers .. .. .	355	1,238	1,334
Peru—			
Liquid ammonia .. .. .	36	71	65
Uruguay—			
Nitrates of potash and soda .. .. .	132	247	163
Ammonium sulphate .. .. .	14	19	18
Ammonium chloride .. .. .	36	24	22
Liquid ammonia .. .. .	53	128	126
Venezuela—			
Nitrate of potash .. .. .	81	81	(a)
Ammonium chloride .. .. .	—	11	(a)
Liquid ammonia .. .. .	—	7	(a)
China—			
Nitrate of potash .. .. .	264	902	356
Nitrate of soda .. .. .	1,660	2,014	225
Ammonium sulphate .. .. .	122,042	160,853	104,728
Ammonium chloride .. .. .	2,108	2,028	649
Liquid ammonia .. .. .	33	19	42
Formosa—			
Ammonium sulphate .. .. .	171,601	173,811	(a)
Cyanamide .. .. .	2,190	1,383	(a)
French Indo-China—			
Nitrate of potash .. .. .	49	95	120
Nitrate of soda .. .. .	3	2	17
Ammonium sulphate .. .. .	2,833	5,566	1,679
Ammonium nitrate .. .. .	50	109	84
Liquid ammonia .. .. .	33	14	11
Cyanamide .. .. .	1,296	3,698	2,098
Japan (total imports)—			
Nitrate of soda .. .. .	79,825	42,995	26,364
Ammonium sulphate .. .. .	309,170	220,667	291,151
Ammonium chloride .. .. .	1,071	865	—
Korea (total imports)—			
Ammonium sulphate .. .. .	34,495	35,789	61,666
Cyanamide .. .. .	46,040	34,578	17,898

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Manchuria—			
Nitrate of soda .. ..	920	2,646	( <i>b</i> ) 1,296
Ammonium sulphate .. ..	683	1,610	132
Ammonium chloride .. ..	( <i>a</i> )	( <i>a</i> )	306
Netherlands East Indies—			
Nitrate of potash .. ..	163	408	( <i>a</i> )
Nitrate of soda .. ..	61	38	183
Ammonium sulphate .. ..	68,087	100,925	69,959
Ammonium chloride .. ..	212	336	( <i>a</i> )
Liquid ammonia .. ..	450	661	( <i>a</i> )
Philippine Islands—			
Nitrate of potash .. ..	( <i>a</i> )	( <i>a</i> )	8
Nitrate of soda .. ..	32	—	26
Ammonium sulphate .. ..	46,241	35,366	29,205
Anhydrous ammonia .. ..	(£3,800)	(£4,600)	(£6,200)
Syria and Lebanon—			
Nitrates .. ..	999	1,500	1,428
Ammonium chloride .. ..	—	39	38
Liquid ammonia .. ..	12	5	10
Turkey—			
Nitrate of soda .. ..	797	1,297	11
Ammonium chloride .. ..	271	353	204

(*a*) Information not available.

(*b*) Includes nitrate of potash.

**PETROLEUM AND ALLIED PRODUCTS**

PRODUCTION OF CRUDE PETROLEUM

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (c) (estimated) ..	119,000	124,000	129,000
Canada (b) .. .. .	189,921	372,627	881,783
Barbados .. .. .	340	284	224
Trinidad (b) .. .. .	1,813,292	2,123,697	2,429,754
Bahrein Islands .. .. .	663,600	1,108,900	1,044,000
Brunei .. .. .	451,621	566,908	695,904
Burma (b) .. .. .	1,025,367	1,060,480	1,018,623
India (b) .. .. .	267,342	292,115	336,225
Sarawak .. .. .	222,452	209,894	199,584
New Zealand .. .. .	649	549	481
Australia (Victoria) .. .. .	15	38	25
Total ..	4,750,000	5,860,000	6,740,000
FOREIGN COUNTRIES			
Albania .. .. .	51,000	70,000	100,000
Austria .. .. .	7,348	32,380	62,466
Czecho-Slovakia .. .. .	18,369	17,675	19,000
Estonia ( <i>Shale oil</i> ) .. .. .	62,454	110,126	137,426
France (c) .. .. .	69,367	76,086	78,625
Germany .. .. .	437,631	443,912	543,355
Hungary (c) .. .. .	—	2,179	42,122
Italy (c) .. .. .	15,852	14,124	13,011
Poland .. .. .	502,500	496,000	499,000
Roumania .. .. .	8,566,037	7,036,722	6,499,000
U.S.S.R. .. .. .	26,980,000	27,380,000	28,403,000
Yugoslavia .. .. .	135	427	1,020
Algeria.. .. .	292	275	255
Egypt .. .. .	179,638	168,162	222,171
Morocco (French) .. .. .	154	2,437	3,151

(b) The following conversion rates have been used : 35 gallons = 1 barrel, and the undermentioned barrels = 1 ton :—Canada 7·9 Trinidad 7·3, Bahrein Islands 7·0, Burma 7·4, India 7·4.

(c) Including shale oil.



## PRODUCTION OF CRUDE PETROLEUM (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Mexico (b) .. .. .	6,107,424	7,107,100	5,271,800
United States (b) .. .. .	148,606,400	172,859,800	163,953,200
Argentina (d) .. .. .	2,173,207	2,299,275	2,400,718
Bolivia .. .. .	14,752	17,589	19,330
Colombia (b) .. .. .	2,640,700	2,858,000	3,162,000
Ecuador .. .. .	334,431	313,606	326,616
Peru .. .. .	2,286,977	2,272,059	2,100,000
Venezuela .. .. .	22,582,910	27,295,907	27,628,000
Formosa (estimated) .. .. .	6,000	6,000	(a)
Iran .. .. .	8,198,119	10,167,795	10,195,371
Iraq .. .. .	3,947,535	4,187,826	4,294,449
Japan (b) .. .. .	333,600	339,500	350,000
Netherlands East Indies .. .. .	6,336,122	7,147,996	7,280,936
Sakhalin (U.S.S.R.) .. .. .	183,000	211,500	(a)
Saudi Arabia .. .. .	—	8,000	66,000
Total .. .. .	241,000,000	273,000,000	264,000,000
WORLD'S TOTAL .. .. .	246,000,000	279,000,000	271,000,000

(a) Information not available.

(b) The following conversion rates have been used: 35 gallons = 1 barrel, and the undermentioned barrels = 1 ton:—Mexico 6·6, United States 7·4, Colombia 7·1, Japan 7·2.

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

## PRODUCTION OF NATURAL GAS\*

(Thousand cubic feet)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (estimated) .. ..	7,000	7,000	7,000
Canada .. ..	28,113,348	32,380,991	33,444,791
Brunei .. ..	940,455	2,830,000	3,195,000
FOREIGN COUNTRIES			
Austria .. ..	3,361	10,066	(a)
Czecho-Slovakia .. ..	45,850	51,525	(a)
France .. ..	8,299	9,076	(a)
Hungary .. ..	96,539	119,938	273,163
Italy .. ..	460,776	535,885	609,230
Poland .. ..	17,067,713	18,734,749	20,526,798
Roumania .. ..	75,236,368	70,881,799	(a)
U.S.S.R. ( <i>long tons</i> ) .. ..	1,830,000	(a)	(a)
Yugoslavia .. ..	52,376	64,645	84,465
Mexico .. ..	(a)	4,154,954	(a)
United States .. ..	2,167,802,000	2,407,620,000	2,263,000,000
Argentina .. ..	18,852,484	17,846,345	17,354,147
Venezuela ( <i>long tons</i> ) .. ..	1,289,936	4,903,672	(a)
Netherlands East Indies ( <i>long tons</i> ) .. ..	1,030,741	1,122,979	1,208,206

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

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

(a) Information not available.

## PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Barbados (exports of manjak) ..	11	8	57
Trinidad .. .. .	111,965	145,904	127,859
FOREIGN COUNTRIES			
Albania (exports) .. .. .	6,984	9,981	11,817
Italy .. .. .	705	905	843
Poland (ozokerite) .. .. .	435	480	451
Roumania .. .. .	—	1,266	(a)
Cuba .. .. .	6,815	2,502	3,694
United States (sales)—			
Gilsonite .. .. .	30,048	33,963	25,513
Wurtzilite .. .. .	69	119	68
Argentina .. .. .	734	905	(a)
Iraq .. .. .	(b) 30,043	(b) 13,358	11,662

NOTE.—Asphalt and ozokerite are also produced in U.S.S.R.

(a) Information not available.

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

## PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES			
France .. .. .	52,527	50,580	47,100
Germany .. .. .	107,100	102,924	106,000
Italy .. .. .	219,920	360,198	253,972
Switzerland (exports) .. .. .	7,553	7,009	5,473
Yugoslavia .. .. .	127	105	145
United States (sales) .. .. .	488,690	399,297	431,694
Netherlands East Indies .. .. .	6,281	2,164	(a)
Syria.. .. .	5,700	4,892	(a)

NOTE.—Asphalt rock is also produced in U.S.S.R. and Spain.

(a) Information not available.

## PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	1,409,415	1,460,729	1,551,346
Australia .. .. .	—	—	536
FOREIGN COUNTRIES			
Austria .. .. .	295	645	(a)
Estonia .. .. .	754,306	1,118,368	1,450,885
France .. .. .	112,022	128,530	130,588
Germany (Bavaria) .. .. .	860	(a)	(a)
Italy .. .. .	17,764	3,862	1,908
U.S.S.R. .. .. .	700,000	(a)	(a)

NOTE.—Oil-shale is also produced in Spain, Manchuria and China.

(a) Information not available.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom*—			
Motor spirit .. .. .	410,652	387,626	304,193
Other spirit .. .. .	58,803	74,354	81,836
Kerosene .. .. .	135,142	142,556	96,091
Gas oil .. .. .	243,185	184,154	161,458
Fuel and diesel oil .. .. .	711,775	823,838	970,988
Lubricating oil .. .. .	106,548	132,392	144,980
Other oils .. .. .	277	1,314	1,232
Solid products .. .. .	552,038	567,882	619,103
Canada*—			
Motor spirit .. .. .	1,861,178	2,099,344	(a)
Other spirit .. .. .	29,381	37,136	(a)
Kerosene .. .. .	105,406	161,323	(a)
Gas oil .. .. .	1,993,270	387,788	(a)
Fuel oil .. .. .		1,599,028	(a)
Diesel oil .. .. .	128,001	162,122	(a)
Tractor oil .. .. .		116,612	(a)
Lubricating oil .. .. .	78,873	91,811	(a)
Grease .. .. .	5,094	6,205	(a)
Paraffin wax and candles .. .. .	5,066	5,221	(a)
Tar .. .. .	136	617	(a)
Coke .. .. .	57,773	55,371	(a)
Asphalt .. .. .	158,571	258,464	(a)
Barbados—			
Motor spirit .. .. .	500	380	390
Kerosene .. .. .	380	480	500
Fuel oil .. .. .	3,050	3,190	3,250
Bahrein Islands—			
Motor spirit .. .. .	34,200	88,000	296,786
Kerosene .. .. .	18,200	28,400	133,959
Diesel oil .. .. .	28,000	88,700	156,257
Fuel oil, etc. .. .. .	71,900	211,600	311,440
Burma*(b)—			
Aviation spirit .. .. .	8,524	9,561	11,044
Motor fuel .. .. .	233,843	197,269	182,647
Turpentine substitute .. .. .	1,840	1,616	1,645

\* See note on page 288.

(a) Information not available.

(b) Production of natural gasoline was as follows :—

1936	.. .. .	12,840 long tons.
1937	.. .. .	18,376 " "
1938	.. .. .	15,137 " "

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

Producing Country.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Burma—(cont.)			
Kerosene, etc. .. .. .	497,989	532,638	533,428
Gas oil (solar oil) .. .. .	340	678	1,246
Diesel oil .. .. .	5,434	6,267	9,769
Fuel oil .. .. .	18,629	17,684	19,547
Lubricating oil .. .. .	59,340	62,442	66,580
Other oils .. .. .	994	1,489	974
Paraffin wax .. .. .	56,617	62,192	55,511
Asphalt .. .. .	1,090	2,003	1,639
India—			
Motor spirit .. .. .	54,857	50,539	62,087
Kerosene .. .. .	126,888	131,758	139,201
Other oils .. .. .	46,112	49,103	71,221
Paraffin wax .. .. .	669	13,524	11,257
Greases .. .. .	136	100	111
Sarawak—			
Motor spirit .. .. .	41,391	45,900	68,500
Aviation spirit .. .. .	16,091	18,900	30,600
Kerosene .. .. .	30,736	45,600	66,400
Fuel oil .. .. .	388,022	469,100	511,400
Gas oil, solar oil, etc. .. .. .	192,230	199,400	(a)
FOREIGN COUNTRIES			
Austria—			
Motor spirit .. .. .	75,594	58,000	(a)
Kerosene .. .. .	35,509	21,000	(a)
Gas-oil .. .. .	11,102	(a)	(a)
Belgium—			
Motor spirit .. .. .	70,000	71,723	74,982
Kerosene .. .. .	20,000	15,950	18,840
Gas oil .. .. .	} 172,000	40,540	52,141
Fuel oil, etc. .. .. .		114,840	115,133
Solid products .. .. .		(a)	27,500
Bulgaria—			
Motor spirit .. .. .	4,125	3,841	6,006
Kerosene .. .. .	6,578	4,792	8,257
Gas oil .. .. .	3,405	2,974	4,168
Fuel oil .. .. .	9,097	6,963	7,655
Czecho-Slovakia—			
Motor spirit .. .. .	148,326	(a)	(a)
Kerosene .. .. .	71,852	(a)	(a)
Gas oil .. .. .	29,309	(a)	(a)
Lubricating oil .. .. .	23,932	(a)	(a)
Paraffin wax .. .. .	4,693	(a)	(a)

(a) Information not available.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Motor spirit .. .. .	7,617	15,158	14,920
France—			
Motor spirit .. .. .	1,144,011	2,213,497	(a)
White spirit .. .. .	11,144	(a)	(a)
Other spirit .. .. .	363,730	(a)	(a)
Kerosene .. .. .	149,874	258,244	(a)
Gas oil .. .. .	251,838	383,273	(a)
Fuel oil .. .. .	1,793,418	2,122,446	(a)
Lubricating oil .. .. .	164,374	241,245	(a)
Road oil .. .. .	298,330	362,471	(a)
Paraffin wax .. .. .	4,748	5,452	(a)
Coke .. .. .	5,470	3,672	(a)
Germany (b)—			
Motor spirit .. .. .	863,900	1,239,800	1,317,000
Kerosene .. .. .	55,000	76,000	(a)
Gas oil, etc. .. .. .	424,900	456,400	(a)
Lubricating oil .. .. .	265,900	336,300	(a)
Paraffin wax, jelly, etc. .. .. .	26,100	27,600	(a)
Coke .. .. .	49,500	67,300	(a)
Asphalt .. .. .	530,000	573,300	(a)
Hungary—			
Motor spirit .. .. .	58,890	64,989	75,534
Kerosene .. .. .	65,500	66,391	70,357
Gas oil .. .. .	30,700	80,174	77,782
Fuel Oil .. .. .	28,110	}	}
Lubricating oil .. .. .	}	12,780	13,919
Paraffin wax, jelly, etc. .. .. .	6,200	7,788	2,965
Italy—			
Motor spirit .. .. .	128,340	284,805	408,134
Kerosene, etc. .. .. .	40,490	121,933	144,811
Gas oil .. .. .	37,811	138,406	246,681
Diesel oil .. .. .	681	}	}
Fuel oil .. .. .	108,167	305,464	439,187
Lubricating oil .. .. .	20,467	60,333	74,229
Transformer oil .. .. .	1,761	}	}
Other oils .. .. .	5,017	9,978	11,204
Paraffin wax .. .. .	584	3,064	3,502
Coke .. .. .	26,199	31,826	35,362
Residuum .. .. .	44,851	80,398	74,643

(a) Information not available.

(b) Includes some oils distilled from coal.

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Latvia—			
Motor spirit .. .. .	507	580	1,375
Kerosene .. .. .	502	275	1,149
Fuel oil, etc. .. .. .	248	93	519
Lubricating oils, etc. .. .. .	1,106	721	3,480
Poland—			
Motor spirit .. .. .	86,541	88,998	98,148
Kerosene .. .. .	143,211	142,231	139,613
Gas oil and fuel oil .. .. .	87,625	100,467	88,890
Lubricating oil .. .. .	61,155	44,904	46,839
Greases .. .. .	4,353	4,231	3,659
Paraffin wax .. .. .	24,653	23,282	22,227
Coke and asphalt .. .. .	27,725	28,812	33,391
Other products .. .. .	7,386	15,985	19,463
Roumania—			
Motor spirit .. .. .	1,891,498	1,563,424	1,504,716
White spirit .. .. .	236,866	239,474	238,981
Kerosene .. .. .	1,033,085	855,842	826,751
Gas oil .. .. .	1,260,396	977,379	844,747
Fuel oil ( <i>b</i> ) .. .. .	2,745,673	2,294,287	2,089,257
Lubricating oil .. .. .	61,819	48,058	64,353
Paraffin wax .. .. .	7,865	8,290	8,773
Coke .. .. .	37,902	19,877	17,956
Asphalt .. .. .	80,482	62,535	65,543
Other products .. .. .	36,185	33,596	59,031
Sweden—			
Motor spirit .. .. .	11,550	12,994	15,000
Kerosene .. .. .	1,166	1,603	( <i>a</i> )
Fuel oil, etc. .. .. .	53,254	30,873	( <i>a</i> )
Asphalt .. .. .	24,583	24,051	( <i>a</i> )
U.S.S.R.—			
Motor spirit .. .. .	2,956,000	3,405,000	( <i>a</i> )
Kerosene .. .. .	5,325,000	5,889,000	( <i>a</i> )
Ligroine .. .. .	1,188,000	1,255,000	( <i>a</i> )
Yugoslavia—			
Motor spirit (estimated) .. .. .	26,000	26,000	( <i>a</i> )
Canary Islands—			
Motor spirit .. .. .	60,000	75,000	112,000
Kerosene .. .. .	16,000	25,000	23,000
Gas oil .. .. .	34,000	25,000	40,000
Fuel oil .. .. .	137,000	110,000	155,000

(*a*) Information not available.

(*b*) Excluding amount consumed at the refineries, as follows:—

1936	.. .. .	318,802 long tons.
1937	.. .. .	264,471 " "



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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Motor spirit .. .. .	83,126	84,328	93,648
Kerosene .. .. .	28,765	18,360	17,357
Gas oil .. .. .	16,542	20,940	23,946
Fuel oil .. .. .	113,815	101,301	129,636
Diesel oil .. .. .	11,436	8,747	11,502
Fluxing oil .. .. .	753	298	551
Asphalt and coke .. .. .	84,408	116,382	134,458
Cuba (b)—			
Motor spirit .. .. .	43,700	51,900	54,600
Turpentine substitute .. .. .	79	74	55
Kerosene .. .. .	21,500	20,730	21,340
Gas oil and diesel oil .. .. .	16,100	20,950	24,110
Fuel oil .. .. .	17,400	(a)	(a)
Lubricating oil .. .. .	2,300	2,170	1,250
Greases .. .. .	(a)	223	212
Asphalt .. .. .	3,000	2,270	1,420
Mexico—			
Motor spirit .. .. .	1,102,370	1,384,558	1,837,573
Kerosene .. .. .	182,507	216,551	258,949
Fuel oil .. .. .	2,849,556	3,000,316	2,700,873
Gas oil .. .. .	512,780	524,965	433,184
Lubricating oil .. .. .	80,290	72,883	51,471
Paraffin wax .. .. .	24,766	18,938	19,173
Asphalt .. .. .	360,231	550,894	208,882
United States* (c)—			
Motor spirit .. .. .	54,048,500	59,644,600	59,200,400
Kerosene .. .. .	7,137,700	8,311,900	8,219,600
Gas oil and fuel oil distillates .. .. .	17,626,800	20,538,800	21,248,400
Residual fuel oil .. .. .	41,995,300	45,509,300	43,016,800
Lubricants .. .. .	4,329,800	4,944,900	4,315,600

\* See note on page 288.

(a) Information not available.

(b) Production of natural gasoline was as follows:—

1936 .. .. .	2,350	long tons.
1937 .. .. .	5,700	,, ,,
1938 .. .. .	6,800	,, ,,

(c) Production of natural gasoline was as follows:—

1936 .. .. .	4,908,033	long tons.
1937 .. .. .	5,643,262	,, ,,
1938 .. .. .	5,774,082	,, ,,

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—(Cont.)			
Paraffin wax .. .. .	211,125	232,875	194,375
Coke .. .. .	1,230,500	1,166,600	1,430,500
Asphalt .. .. .	3,454,300	3,733,900	3,821,800
Road oil .. .. .	1,035,700	1,132,200	1,090,300
Netherlands West Indies (exports)—			
Motor spirit .. .. .	2,978,674	2,812,876	3,427,788
Kerosene .. .. .	434,564	282,952	598,114
Gas oil .. .. .	1,058,871	1,430,455	1,408,502
Fuel oil .. .. .	11,003,258	13,181,803	14,429,847
Diesel oil .. .. .	1,147,178	1,559,034	1,740,025
Lubricating oil .. .. .	184,183	324,853	333,837
Asphalt .. .. .	—	28,969	42,660
Tar .. .. .	—	24	105
Argentina—			
Aviation spirit .. .. .	—	86	7,571
Motor spirit .. .. .	709,798	801,629	953,945
Other spirit .. .. .	4,747	11,990	59,894
Kerosene .. .. .	92,662	122,557	135,413
Fuel oil .. .. .	1,004,662	1,090,417	1,257,168
Gas oil .. .. .	161,499	168,323	100,220
Diesel oil, etc. .. .. .	178,351	242,843	282,942
Lubricating oil .. .. .	43,960	50,254	54,962
Asphalt .. .. .	26,638	} 164,652	{ 36,046
Coke .. .. .	74,457		
Bolivia—			
Aviation spirit .. .. .	162	167	237
Motor spirit .. .. .	5,208	7,404	7,995
Kerosene .. .. .	101	614	669
Fuel oil .. .. .	6,848	7,760	7,756
Colombia—			
Motor spirit .. .. .	79,295	90,774	99,477
Other spirit .. .. .	121	285	75
Kerosene .. .. .	12,005	13,158	15,553
Gas oil .. .. .	13,319	19,195	12,104
Fuel oil .. .. .	206,270	241,206	293,789
Lubricating oil .. .. .	3,097	3,606	2,939
Asphalt .. .. .	4,512	6,102	7,270
Ecuador—			
Motor spirit .. .. .	13,062	13,031	13,599
Kerosene .. .. .	6,978	5,040	4,280
Diesel oil .. .. .	5,693	5,208	6,083
Gas oil .. .. .	426	1,263	1,234
Lubricating oil .. .. .	548	303	137
Residuum .. .. .	27,421	21,129	25,069

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

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Peru(c)—			
Motor spirit .. .. .	254,912	273,638	} 268,026
Other spirit .. .. .	647	1,270	
Kerosene .. .. .	157,874	117,197	130,223
Gas oil .. .. .	108,629	104,734	134,745
Fuel oil .. .. .	260,148	263,049	248,629
Lubricating oil .. .. .	4,540	3,536	4,159
Coke .. .. .	211	376	285
Asphalt .. .. .	497	12,511	22,723
Venezuela—			
Motor spirit .. .. .	99,543	109,843	115,000
Kerosene .. .. .	2,353	5,122	10,114
Gas oil .. .. .	74,631	70,952	61,145
Fuel oil .. .. .	1,009,198	1,033,339	1,091,303
Other products .. .. .	9,667	17,484	3,818
Iraq—			
Aviation spirit .. .. .	—	—	159
Motor spirit .. .. .	15,895	20,807	21,703
Kerosene .. .. .	16,969	} 19,294	{ 19,964
Gas oil .. .. .	221		
Fuel oil .. .. .	57,765	72,118	110,507
Netherlands East Indies—			
Aviation spirit .. .. .	226,133	303,759	(a)
Motor spirit .. .. .	1,605,880	1,808,266	2,216,736
White spirit .. .. .	62,877	73,856	57,292
Kerosene .. .. .	972,483	1,072,885	916,540
Fuel oil, solar oil and diesel oil ..	2,182,166	2,663,823	2,748,640
Lubricating oil .. .. .	22,910	31,792	24,741
Impregnating oils .. .. .	4,992	8,011	16,925
Paraffin wax and ceresine .. .. .	62,129	81,951	76,796
Asphalt .. .. .	15,876	13,562	24,293

(c) Production of natural gasoline was as follows :—

1936	.. .. .	155,578	long tons.
1937	.. .. .	122,969	" "

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS\*

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Motor spirit .. .. .	174,076	194,226	177,365
Other spirit .. .. .	2,629	8,553	9,803
Kerosene .. .. .	64,304	84,950	43,891
Gas oil .. .. .	90,298	106,555	112,036
Fuel oil .. .. .	87,095	66,264	69,917
do. (bunkers), (b) .. .. .	1,228,191	1,396,935	1,273,187
Lubricating oil .. .. .	46,240	55,955	69,865
Other refined oils .. .. .	444	621	179
Mineral jelly .. .. .	325	355	149
Paraffin wax .. .. .	5,243	5,220	4,401
Malta—			
Aviation spirit ("bunkers") (b) .. .. .	1	3	4
Gas oil (bunkers) (b) .. .. .	712	1,889	701
Fuel oil (bunkers) (b) .. .. .	5,901	5,344	16,481
Anglo-Egyptian Sudan—			
Fuel oil (bunkers) (b) .. .. .	11,990	19,070	14,873
Gambia (b)—			
Motor spirit (bunkers) .. .. .	86	102	121
Lubricating oil (bunkers) .. .. .	5	8	4
Kenya and Uganda (bunkers) (b)—			
Motor spirit .. .. .	119	173	207
Kerosene .. .. .	3	4	3
Fuel oil .. .. .	47,015	56,216	48,355
Lubricating oil .. .. .	21	41	52
Sierra Leone—			
Fuel oil (bunkers) (b) .. .. .	1,995	2,307	7
Union of South Africa—			
Fuel oil (bunkers) (b) .. .. .	160,627	193,399	253,538
Canada—			
Crude petroleum .. .. .	1	—	5
Motor spirit .. .. .	11,079	14,099	16,344
Kerosene, etc. .. .. .	2,297	3,237	2,792

\* The following rates have been used for converting Imperial gallons to long tons :—Aviation spirit 300, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245.

(b) Foreign produce. See imports.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Canada—( <i>cont.</i> )			
Fuel oil .. .. .	80,887	46,036	7,696
Other oils .. .. .	2,457	4,697	3,224
Mineral wax .. .. .	17	100	13
Petroleum coke .. .. .	12,989	15,149	10,152
British Guiana ( <i>b</i> )—			
Crude petroleum (bunkers) ..	288	299	177
Aviation spirit ("bunkers") ..	85	55	44
Fuel oil (bunkers) .. .. .	—	63	—
British West Indies—			
Barbados—			
Manjak .. .. .	11	8	57
Jamaica—			
Motor spirit (bunkers) ( <i>b</i> ) ..	356	384	483
Trinidad and Tobago—			
Crude petroleum .. .. .	59,714	88,789	93,654
Motor spirit ( <i>c</i> ) .. .. .	340,885	342,990	442,306
Kerosene .. .. .	18,819	15,336	13,416
Gas oil ( <i>c</i> ) .. .. .	56,594	101,554	104,513
Fuel oil .. .. .	766,006	819,609	1,048,753
do. (bunkers) .. .. .	462,383	581,665	554,297
Lubricating oil .. .. .	15	14	14
Road oil .. .. .	3,821	4,562	5,001
Asphalt—			
Crude .. .. .	6,550	10,750	7,401
Dried .. .. .	51,791	66,577	52,249
Cement .. .. .	11,484	12,880	24,577
Aden—			
Fuel oil (bunkers) .. .. .	( <i>d</i> )653,261	745,229	833,125
Bahrein Islands—			
Crude petroleum .. .. .	466,429	616,714	( <i>a</i> )
Motor spirit .. .. .	11,475	70,344	( <i>a</i> )
Kerosene .. .. .	7,636	34,618	( <i>a</i> )
Diesel oil .. .. .	10,938	69,727	( <i>a</i> )
Gas oil .. .. .	33,250	154,729	( <i>a</i> )
Brunei—			
Crude petroleum .. .. .	445,081	550,247	685,256
Natural gas ( <i>1,000 cubic feet</i> ) ..	516,104	439,974	( <i>a</i> )

(*a*) Information not available.

(*b*) Foreign produce. *See imports.*

(*c*) Including bunkers.

(*d*) Year ended March 31 following.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British India—			
Crude petroleum (c) .. ..	13,341	17,718	21,423
Aviation spirit ("bunkers") .. ..	461	521	804
Motor spirit (c) .. ..	2,327	956	408
Kerosene (c) .. ..	2,519	707	59
Fuel oil (bunkers) (domestic produce) .. ..	962	140	—
do. do. (foreign produce) .. ..	65,052	67,934	67,165
Paraffin wax .. ..	43,725	25,673	9,308
British Malaya (including re-exports)—			
Crude petroleum .. ..	6	—	—
Aviation spirit ("bunkers") .. ..	607	733	1,094
Motor spirit .. ..	240,593	332,320	360,693
Kerosene .. ..	92,124	88,647	118,811
Fuel oil .. ..	164,174	227,154	282,284
do. (bunkers) .. ..	186,170	203,342	228,147
Lubricating oil .. ..	2,230	2,469	3,017
Other petroleum products .. ..	51	208	56
Paraffin wax .. ..	75	102	81
Asphalt and bitumen .. ..	1,118	798	620
Burma—			
Motor spirit .. ..	(b)	(b)126,461	185,597
Kerosene .. ..	(b)	(b)343,318	493,577
Lubricating oil .. ..	(b)	(b)20,990	22,744
Other oils .. ..	(b)	(b)44,840	48,641
Paraffin wax .. ..	(b)	(b)39,774	38,343
Ceylon (bunkers) (d)—			
Gas oil .. ..	} 242,947	107	28
Diesel oil .. ..		54,886	68,451
Fuel oil .. ..		209,440	293,535
Hong Kong (including re-exports)—			
Motor spirit .. ..	26,131	43,078	35,859
Kerosene .. ..	39,047	76,078	52,344
Fuel oil .. ..	70,736	36,393	27,457
do. (bunkers) .. ..	54,291	69,899	70,673
Diesel oil .. ..	59,012	40,611	48,219

(b) Included with India prior to April 1, 1937.

(c) Includes trade by land as recorded.

(d) Foreign produce. See imports.

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

Exporting Country and Description..	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Hong Kong (including re-exports)			
—(cont.)			
Lubricating oil .. .. .	6,632	13,323	13,842
Other petroleum oils .. .. .	57	42	16
Greases .. .. .	259	563	564
Petroleum jelly .. .. .	84	118	340
Paraffin wax .. .. .	7,928	10,704	7,983
Sarawak—			
Motor spirit .. .. .	52,775	64,069	94,428
Kerosene .. .. .	37,705	44,091	62,656
Gas oil .. .. .	—	68,105	40,630
Diesel oil .. .. .	73	—	—
Fuel oil .. .. .	465,984	583,362	698,865
Lubricating oil .. .. .	107	131	143
Solar oil .. .. .	117,554	25,067	—
Australia—			
Motor spirit, etc. .. .. .	74	191	243
Kerosene .. .. .	47	142	135
Lubricating oil .. .. .	197	165	80
Residual and solar oils .. .. .	5	596	1,045
Greases .. .. .	211	337	343
Paraffin wax, etc. .. .. .	36	28	39
Fiji—			
Fuel oil (bunkers) (c) .. .. .	3,094	4,718	4,194
New Zealand—			
Fuel oil (bunkers) (c) .. .. .	73,841	53,211	60,664
FOREIGN COUNTRIES			
Albania—			
Crude petroleum .. .. .	45,217	58,335	103,583
Bitumen .. .. .	6,984	9,981	11,817
Austria—			
Motor spirit .. .. .	1	1	—
Kerosene .. .. .	8	4	1
Lubricating oils and greases .. .. .	190	121	23
Petroleum jelly and paraffin wax.. .. .	1	1	1
Ozokerite and ceresin .. .. .	158	170	127
Asphalt .. .. .	229	165	177
Petroleum coke .. .. .	17	294	51

(c) Foreign produce. See imports.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude petroleum .. .. .	986	9	6
Motor spirit .. .. .	33,662	12,859	8,500
Kerosene .. .. .	9,462	2,884	2,894
Gas oil .. .. .	154,016	124,773	115,292
do. (bunkers) .. .. .	34,082	(c) 4,386	(c) 3,194
Fuel oil, etc. .. .. .	77,318	59,020	39,162
do. (bunkers) .. .. .	88,699	(c) 55,297	(c) 47,468
Lubricating oil .. .. .	78,074	88,050	78,524
do. (bunkers) .. .. .	1,313	(c) 124	(c) 53
Other heavy oils .. .. .	2	37	21
Petroleum jelly .. .. .	1,839	2,722	2,218
Paraffin wax .. .. .	5,349	7,078	6,895
Ozokerite and ceresin .. .. .	122	207	112
Asphalt, bitumen, etc. .. .. .	1,061	1,953	988
Residual asphalt .. .. .	22,269	30,368	23,787
Bulgaria—			
Fuel oil .. .. .	747	732	—
Lubricating oil .. .. .	—	1	—
Czecho-Slovakia—			
Lubricating oil, etc. .. .. .	1,931	2,135	1,543
Paraffin wax .. .. .	450	17	1,459
Ozokerite and ceresin .. .. .	247	209	202
Asphalt products .. .. .	69	159	330
Denmark—			
Lubricating oil .. .. .	149	65	(a)
Paraffin wax, etc. .. .. .	128	270	(a)
Estonia—			
Fuel oil (Shale oil) .. .. .	11,338	53,033	61,422
do. (bunkers on national ships)	(a)	(a)	1,050
Motor spirit .. .. .	3,044	5,216	5,717
Bitumen and asphalt .. .. .	3,261	1,577	951
France—			
Crude petroleum .. .. .	2,617	969	18
Motor spirit .. .. .	79,899	88,396	104,731
Kerosene .. .. .	37,742	73,686	93,243
Kerosene, etc.—			
Bunkers (domestic produce) .. .. .	18,535	17,163	22,637
Bunkers (foreign produce) .. .. .	6,889	6,435	4,167

(a) Information not available.

(c) Bunkers for foreign ships only.



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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Lubricating oil .. .. .	25,786	17,838	24,944
Gas oil .. .. .	23,511	45,808	142,143
Fuel oil .. .. .	197,024	191,012	30,699
Road oil, etc. .. .. .	46,781	51,815	40,978
Heavy and residual oils—			
Bunkers (domestic produce) ..	831,594	782,380	905,661
Bunkers (foreign produce) ..	334,185	506,404	338,010
Petroleum jelly .. .. .	54	70	64
Paraffin wax .. .. .	1,034	2,498	2,220
Ozokerite, ceresin, etc. .. .. .	141	135	129
Petroleum coke, etc. .. .. .	710	1,501	1,853
Asphalt and bitumen .. .. .	31,405	24,122	26,463
Germany—			
Motor spirit .. .. .	42,543	12,210	5,544
Kerosene .. .. .	1,129	102	25
Gas oil .. .. .	1,979	4,626	1,608
do. (bunkers for foreign ships)	10,805	16,241	9,651
Fuel oil .. .. .	27,315	1,011	11,145
do. (bunkers for foreign ships)	20,721	504	2,693
Lubricating oil .. .. .	101,118	104,611	94,503
do. (stores for foreign ships)	220	44	133
Paraffin wax .. .. .	288	174	150
Ozokerite, etc. .. .. .	7,289	8,003	6,438
Asphalt .. .. .	7,752	7,638	6,997
Hungary—			
Motor spirit .. .. .	16	—	4
Gas oil .. .. .	70	—	—
Lubricating oil .. .. .	128	3	2
Asphalt, bitumen and tar .. .. .	14	38	60
Italy—			
Crude petroleum .. .. .	18	52	45
Motor spirit .. .. .	24,054	65,774	63,175
Kerosene .. .. .	787	20,783	21,015
Lubricating oil (b) .. .. .	3,329	4,681	6,348
Other oils and residues (b) .. .. .	12,850	43,249	56,780
Paraffin wax .. .. .	3	4	3
Ceresin .. .. .	50	120	59
Asphalt and bitumen .. .. .	14,771	17,301	25,097
Petroleum jelly .. .. .	7	14	11

(b) Including bunkers for foreign ships.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Lubricating oil .. .. .	5	4	—
Asphalt .. .. .	27	35	2
Netherlands—			
Motor spirit .. .. .	26	20	1,653
Kerosene .. .. .	—	31	1,037
Gas oil .. .. .	17,471	11,973	15,357
do. (bunkers) (b) .. .. .	120,990	157,241	214,525
Fuel oil .. .. .	6,063	7,261	6,635
do. (bunkers) (b) .. .. .	229,422	238,019	246,060
Lubricating oil .. .. .	530	1,540	933
Greases .. .. .	11	12	9
Petroleum jelly .. .. .	537	484	709
Paraffin wax .. .. .	225	167	209
Ozokerite and ceresin .. .. .	63	105	75
Asphalt .. .. .	41,479	36,108	64,384
Natural asphalt .. .. .	66	196	1,031
Norway—			
Lubricating oil .. .. .	1,933	2,121	2,643
Asphalt .. .. .	50	9	—
Poland—			
Motor spirit .. .. .	48,606	40,141	4,591
Kerosene .. .. .	20,141	8,436	45
Fuel oil and gas oil .. .. .	24,241	14,469	2,114
Lubricating oils .. .. .	16,340	13,789	1,614
Greases .. .. .	41	33	3
Paraffin wax .. .. .	10,818	17,237	12,082
Ozokerite and ceresin .. .. .	381	608	491
Petroleum coke .. .. .	1,157	1,329	1,003
Asphalt and tar .. .. .	2,322	2,983	1,868
Portugal—			
Fuel oil (bunkers) .. .. .	5,282	213	(a)
Other mineral oils .. .. .	1,828	1,597	(a)
do. (bunkers) .. .. .	51	63	(a)
Roumania—			
Crude petroleum .. .. .	618,657	464,942	330,140
Motor spirit .. .. .	2,063,556	1,800,975	1,561,287
Kerosene .. .. .	1,128,714	937,084	814,224
Fuel oil, etc. .. .. .	2,430,400	1,844,059	1,273,641
do. (bunkers) .. .. .	469,379	470,286	372,131

(a) Information not available.

(b) Including imported oil.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Roumania—(cont.)			
Other oils .. .. .	36,619	34,289	40,457
Paraffin wax .. .. .	4,190	5,668	5,401
Tar and pitch .. .. .	23,066	21,530	24,396
Greases .. .. .	1	7	(a)
Asphalt and bitumen .. .. .	4	41	(a)
Petroleum coke .. .. .	1,408	49	2,679
Sweden—			
Motor spirit .. .. .	10,861	2,669	548
Kerosene .. .. .	6,582	1,596	3,930
Fuel oil and gas oil .. .. .	16,348	24,766	24,464
Lubricating oil .. .. .	1,298	1,641	1,852
Other oils .. .. .	105	139	222
Paraffin wax .. .. .	10	7	8
Petroleum jelly .. .. .	6	3	7
Ozokerite and ceresin .. .. .	1	11	25
Asphalt .. .. .	93	141	79
Pitch .. .. .	2,414	776	1,039
Switzerland—			
Motor spirit .. .. .	31	13	4
Fuel oil .. .. .	6	3	1,520
Lubricating oil and grease .. .. .	82	88	62
Asphalt and bitumen .. .. .	7,553	7,009	5,473
Paraffin wax and ceresin .. .. .	12	12	2
U.S.S.R.—			
Crude petroleum .. .. .	163,924	67,469	52,000
Motor spirit .. .. .	412,583	424,000	315,000
Kerosene .. .. .	376,798	162,000	62,000
Fuel oil .. .. .	811,941	720,000	369,000
Gas oil .. .. .	536,410	390,000	146,000
Diesel oil .. .. .	49,618	(b)	(b)
Lubricating oil and solar oil .. .. .	249,172	209,000	118,000
Petroleum jelly .. .. .	32	(a)	(a)
Asphalt .. .. .	10,437	—	1,794
Paraffin wax .. .. .	11,837	(a)	(a)
Ozokerite .. .. .	197	138	1
Yugoslavia—			
Motor spirit and lubricating oil .. .. .	3	1	2
Algeria—			
Motor spirit .. .. .	256	398	504
Kerosene .. .. .	8	12	7

(a) Information not available.

(b) Included with fuel oil.

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

Exporting Country and Description:	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Algeria—( <i>cont.</i> )			
Gas oil ( <i>c</i> ) .. .. .	190	246	187
Fuel oil ( <i>c</i> ) .. .. .	31	36	5
Lubricating oil .. .. .	66	51	190
Road oils, etc. .. .. .	12	53	—
Asphalt and bitumen .. .. .	996	530	464
Belgian Congo—			
Motor spirit .. .. .	45	187	13
Kerosene .. .. .	8	1	2
Fuel oil .. .. .	662	—	7
Lubricating oil and greases .. .. .	133	113	143
Cape Verde Islands—			
Fuel oil (bunkers) ( <i>b</i> ) .. .. .	( <i>a</i> )	( <i>a</i> )	366,479
Egypt—			
Motor spirit .. .. .	22,871	27,653	30,262
Kerosene .. .. .	1,878	888	238
Fuel oil, etc. .. .. .	4,384	2,792	3,599
do. (bunkers for foreign ships)	47,901	54,100	50,298
Lubricating oil .. .. .	182	46	92
Asphalt, etc. .. .. .	48,500	88,535	125,853
French West Africa ( <i>b</i> )—			
Motor spirit (bunkers) .. .. .	658	761	( <i>a</i> )
Fuel oil (bunkers) .. .. .	468,205	659,863	( <i>a</i> )
Morocco (French)—			
Crude, refined and residual .. .. .	103	1,283	3,180
Asphalt and bitumen .. .. .	75	145	( <i>a</i> )
Cuba (including re-exports)—			
Natural asphalt .. .. .	7,492	6,863	3,280
Mexico ( <i>d</i> )—			
Crude petroleum .. .. .	1,048,216	1,129,817	693,363
Motor spirit .. .. .	486,056	501,928	185,856
Kerosene .. .. .	75,451	86,320	176,158
Fuel oil .. .. .	1,155,208	908,509	442,277
Gas oil .. .. .	387,684	439,336	403,612
Lubricating oil .. .. .	54,088	57,605	12,771
Asphalt .. .. .	329,805	489,975	142,580

(*a*) Information not available.

(*b*) Foreign produce. See imports.

(*c*) Includes bunkers of domestic produce, but excludes bunkers of foreign produce (fuel oil, gas oil, and diesel oil) as follows:—

1936 .. .. . 333,601 long tons.

1937 .. .. . 433,013 „ „

1938 .. .. . 431,565 „ „

(*d*) Including bunkers.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands West Indies—			
Crude petroleum .. .. .	1,251,979	750,381	1,065,419
Motor spirit .. .. .	2,978,674	2,812,876	3,427,788
Kerosene .. .. .	434,564	282,952	598,114
Gas oil .. .. .	1,048,609	1,426,604	} 1,408,502
do. (bunkers) .. .. .	10,262	3,851	
Fuel oil .. .. .	10,368,676	12,822,695	} 14,429,847
do. (bunkers) .. .. .	634,582	359,108	
Diesel oil .. .. .	883,719	1,417,737	} 1,740,025
do. (bunkers) .. .. .	263,459	141,297	
Lubricating oil .. .. .	184,183	324,853	333,837
Asphalt .. .. .	—	28,969	42,660
Tar .. .. .	—	24	105
St. Pierre and Miquelon—			
Fuel oil, etc. (bunkers) .. .. .	487	530	(a)
United States—			
Crude petroleum .. .. .	6,799,101	9,071,200	10,442,121
Motor spirit .. .. .	2,801,316	3,677,124	4,772,764
Natural gasolene .. .. .	218,000	429,000	702,000
Kerosene .. .. .	854,298	1,102,657	924,198
Gas oil and distillate fuel oil .. .. .	2,610,899	4,061,572	3,961,423
Residual fuel oil .. .. .	1,889,323	1,868,127	2,175,080
Fuel oil (bunkers) .. .. .	4,871,804	5,496,210	5,048,287
Lubricating oil .. .. .	1,201,058	1,512,933	1,299,600
Transformer oil .. .. .	3,361	4,473	4,123
Turpentine substitutes .. .. .	8,459	11,743	13,417
Greases .. .. .	39,662	45,537	34,503
Paraffin wax .. .. .	83,607	103,420	89,912
Petroleum jelly .. .. .	9,900	17,572	16,770
Asphalt, bitumen, etc. .. .. .	195,470	217,337	205,780
Petroleum coke .. .. .	111,231	146,663	138,948
Liquefied petroleum gases .. .. .	11,577	4,072	2,087
Argentina—			
Motor spirit .. .. .	1,660	898	1,785
Kerosene .. .. .	1,345	466	1,004
Gas oil .. .. .	415	324	229
Fuel oil .. .. .	90,472	93,398	68,552
Diesel oil .. .. .	5,083	8,277	6,710
Lubricating oil .. .. .	230	222	360
Grease .. .. .	34	30	42
Asphalt .. .. .	2,369	995	848

(a) Information not available.

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

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Chile—			
Crude petroleum (b) .. ..	650	903	(a)
Motor spirit (b) .. ..	14	183	(a)
Kerosene (b) .. ..	2	—	(a)
Diesel oil (b) .. ..	833	12	(a)
Lubricating oil (b) .. ..	4	3	(a)
Tar and pitch .. ..	318	283	(a)
Colombia—			
Crude petroleum .. ..	2,319,174	2,506,219	2,609,004
Motor spirit .. ..	1	63	6
Kerosene .. ..	—	24	25
Gas oil .. ..	—	12	—
Ecuador—			
Crude petroleum .. ..	178,832	247,657	219,000
Peru—			
Crude petroleum .. ..	1,481,390	1,508,808	1,192,368
Motor spirit .. ..	301,791	308,995	272,546
Kerosene .. ..	112,171	90,924	103,301
Gas oil .. ..	72,048	54,964	60,129
Fuel oil .. ..	20,283	20,129	16,635
do. (bunkers) .. ..	42,113	40,830	34,256
Lubricating oil and grease .. ..	844	818	442
Venezuela—			
Crude petroleum .. ..	21,990,519	24,715,869	(a)
Motor spirit .. ..	24,484	7,982	(a)
Gas oil .. ..	33,332	38,026	(a)
Fuel oil .. ..	899,334	793,350	(a)
Diesel oil .. ..	4,548	5,431	(a)
Formosa—			
Motor spirit .. ..	55	(a)	(a)
Kerosene, etc. .. ..	3,225	249	(a)
Lubricating oil .. ..	69	12	(a)
French Indo-China—			
Motor spirit, etc. .. ..	5	7	147
Gas oil .. ..	—	1	19
Lubricating oil, etc. .. ..	21	20	24
Road oil, etc. .. ..	8	31	12
Iran (c)—			
Crude petroleum .. ..	1,483,807	428,192	490,834
Motor spirit .. ..	1,454,512	1,895,901	1,828,306
Kerosene .. ..	455,870	503,116	553,641
Fuel oil .. ..	3,357,145	5,077,063	6,437,779
Lubricating oil, etc. .. ..	—	88	7,214

(a) Information not available.

(b) Including bunkers on foreign ships.

(c) Including re-exports; years ended June 21.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS—(Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Iraq—			
Crude petroleum and fuel oil ..	3,933,250	3,927,818	4,075,159
Motor spirit .. .. .	386	376	388
Kerosene .. .. .	16	9	133
Asphalt .. .. .	19	3	—
Japan—			
Crude petroleum .. .. .	(a)	366	1,200
Motor spirit .. .. .	145	218	12,759
Kerosene .. .. .	19,345	13,574	16,154
Other light oils .. .. .	(a)	752	1,837
Lubricating oil .. .. .	13,725	18,880	23,827
Other oils .. .. .	16,092	(a)	(a)
Asphalt .. .. .	6,881	10,067	11,592
Korea—			
Crude oil, etc. .. .. .	706	335	789
Motor spirit .. .. .	1,382	4,945	5,451
Kerosene .. .. .	2,337	4,938	15,140
Light oils .. .. .	744	2,911	12,109
Lubricating oil .. .. .	1,157	3,719	13,781
Other oils .. .. .	4	413	4
Paraffin wax .. .. .	260	2,282	2,365
Manchuria—			
Shale oil .. .. .	94,285	61,323	(a)
Other petroleum oil .. .. .	481	238	(a)
Paraffin wax .. .. .	20,966	18,538	18,596
Netherlands East Indies—			
Crude petroleum .. .. .	148,180	93,746	51,484
Motor spirit .. .. .	1,653,076	1,928,950	2,035,904
Kerosene .. .. .	780,850	834,224	700,736
Fuel and motor oils .. .. .	2,231,968	2,487,547	2,707,809
do. (bunkers) .. .. .	297,528	333,985	297,021
Batching oil .. .. .	7,266	6,956	(a)
Lubricating oil .. .. .	20,194	23,408	16,360
Greases .. .. .	498	633	(a)
Paraffin wax .. .. .	52,454	73,530	70,952
Asphalt .. .. .	45	373	874
Turpene .. .. .	75,318	84,899	(a)
Philippine Islands—			
Asphalt rock .. .. .	(a)	79	115
Syria and Lebanon—			
Asphalt and bitumen .. .. .	1,715	2,093	59

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Crude petroleum .. .. .	2,035,249	2,109,064	2,271,804
Motor spirit .. .. .	4,000,687	4,261,406	4,653,522
Other spirit .. .. .	64,477	52,971	62,986
Kerosene .. .. .	752,237	774,562	737,428
Fuel oil .. .. .	2,733,604	2,787,858	2,776,675
Gas oil .. .. .	403,875	510,835	595,350
Lubricating oil .. .. .	445,339	451,480	415,416
Other petroleum oils .. .. .	1,204	3,216	3,824
Mineral jelly .. .. .	6,915	8,320	6,713
Paraffin wax .. .. .	51,625	52,095	40,319
Ozokerite .. .. .	207	167	111
Asphalt and bitumen .. .. .	88,231	83,076	78,773
Eire—			
Motor spirit .. .. .	115,019	125,260	132,809
Kerosene .. .. .	60,052	64,884	61,416
Fuel oil and gas oil .. .. .	37,037	38,696	42,833
Lubricating oil .. .. .	10,296	10,584	10,410
Mineral jelly .. .. .	59	(a)	(a)
Paraffin wax .. .. .	3,693	3,973	3,364
Asphalt and bitumen .. .. .	21,048	19,585	25,286
Malta—			
Motor spirit .. .. .	9,736	10,420	10,314
Petroleum .. .. .	19,839	17,150	20,078
Fuel oil .. .. .	8,984	16,541	13,986
Gas oil .. .. .	1,702	1,968	3,267
Anglo-Egyptian Sudan—			
Motor spirit .. .. .	13,588	11,461	14,345
Kerosene .. .. .	5,245	5,816	6,167
Fuel oil .. .. .	16,050	16,153	14,733
Lubricating oil, etc. .. .. .	2,256	1,464	1,777
Asphalt, etc. .. .. .	540	763	1,588
Gambia—			
Motor spirit .. .. .	431	782	447
Kerosene .. .. .	184	262	149
Fuel oil .. .. .	217	383	303
Lubricating oil .. .. .	47	77	48

\* The following rates have been used for converting Imperial gallons to long tons :—Aviation spirit 300, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245.

(a) Information not available.



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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Gold Coast—			
Motor spirit .. .. .	20,445	24,945	22,020
Kerosene .. .. .	7,544	12,416	9,035
Fuel oil .. .. .	20,444	38,539	55,364
Lubricating oil .. .. .	1,989	2,734	2,121
Asphalt .. .. .	33	639	254
Kenya and Uganda—			
Motor spirit .. .. .	20,283	25,882	36,188
Kerosene .. .. .	13,177	11,137	10,956
Fuel oil (b) .. .. .	63,336	68,253	74,882
Lubricating oil .. .. .	1,942	2,780	3,346
Greases .. .. .	179	270	219
Mauritius—			
Motor spirit .. .. .	4,706	4,317	5,689
Kerosene .. .. .	2,226	2,221	2,507
Lubricating oils, etc. .. .. .	598	472	658
Fuel oil .. .. .	500	332	664
Refined motor grease .. .. .	70	68	41
Natural asphalt, etc. .. .. .	1,098	1,095	1,283
Nigeria—			
Motor spirit .. .. .	21,612	20,625	22,185
Kerosene .. .. .	11,064	10,673	11,197
Fuel oil .. .. .	3,266	3,782	4,025
Lubricating oil .. .. .	1,803	2,274	1,847
Asphalt .. .. .	(a)	(a)	825
Northern Rhodesia—			
Motor spirit .. .. .	3,244	3,763	5,020
Kerosene .. .. .	351	363	461
Gas oil .. .. .	135	114	128
Lubricating oil .. .. .	522	773	894
Asphalt and bitumen .. .. .	4	46	354
Nyasaland—			
Motor spirit .. .. .	1,664	1,807	1,913
Kerosene, etc. .. .. .	234	265	307
Fuel oil .. .. .	340	454	817
Lubricating oil .. .. .	138	141	182
Seychelles—			
Motor spirit .. .. .	83	98	108
Kerosene .. .. .	95	143	146
Fuel oil .. .. .	77	126	82
Lubricating oil .. .. .	10	14	11

(a) Information not available.

(b) Imported chiefly for bunkering purposes.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Sierra Leone—			
Motor spirit .. .. .	1,220	1,513	1,388
Kerosene .. .. .	1,452	1,787	1,676
Fuel oil .. .. .	8,309	1,311	30,962
Lubricating oil .. .. .	178	267	205
Somaliland Protectorate—			
Motor spirit .. .. .	759	1,376	330
Kerosene .. .. .	307	321	1,655
Southern Rhodesia—			
Motor spirit .. .. .	19,707	23,188	25,660
Kerosene .. .. .	1,610	1,709	1,872
Gas oil .. .. .	847	751	591
Fuel oil .. .. .	13,514	15,293	13,634
Lubricating oil .. .. .	2,611	3,037	3,045
Other oils (total imports) .. .. .	66	80	194
Paraffin wax .. .. .	563	598	( <i>a</i> )
Asphalt and bitumen .. .. .	6,497	8,387	7,305
South West Africa—			
Motor spirit .. .. .	4,890	8,443	4,858
Kerosene .. .. .	1,036	1,792	1,285
Lubricating oil .. .. .	511	689	610
Other oils .. .. .	3,072	3,247	3,802
Grease .. .. .	31	47	32
Asphalt and bitumen .. .. .	79	120	107
Tanganyika Territory—			
Motor spirit .. .. .	8,966	9,832	10,019
Kerosene .. .. .	5,145	5,586	5,828
Fuel oil .. .. .	8,408	8,915	8,907
Lubricating oil .. .. .	1,297	1,194	1,159
Greases .. .. .	64	105	58
Union of South Africa—			
Motor spirit .. .. .	384,921	458,280	504,223
Turpentine substitute .. .. .	2,691	3,993	4,191
Kerosene .. .. .	49,277	58,761	56,994
Gas oil .. .. .	26,280	25,788	29,508
Fuel oil .. .. .	242,852	367,675	435,595
Lubricating oil .. .. .	30,528	39,150	35,616
Transformer oil .. .. .	1,909	2,271	1,988
Road oil .. .. .	4,014	8,346	13,360
Other oils .. .. .	878	799	719
Greases .. .. .	2,786	3,269	2,734
Paraffin wax .. .. .	11,309	14,217	12,651
Asphalt and bitumen .. .. .	32,857	35,491	25,493
Petroleum jelly .. .. .	992	1,270	1,104

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Zanzibar—			
Motor spirit .. .. .	1,359	1,793	1,781
Kerosene, etc. .. .. .	1,384	2,793	1,486
Fuel oil .. .. .	729	475	633
Lubricating oil, etc. .. .. .	97	111	87
Canada—			
Crude petroleum .. .. .	5,119,754	5,559,518	5,014,816
Motor spirit .. .. .	203,958	242,391	394,036
Kerosene, etc. .. .. .	4,952	8,783	17,176
Lubricating oils .. .. .	57,188	61,325	64,694
Fuel oil .. .. .	87,682	103,944	83,647
do. (bunkers) .. .. .	100,203	101,538	129,994
Other petroleum oils .. .. .	1,355	603	750
Petroleum jelly, etc. .. .. .	(£60,960)	(£51,468)	(£47,335)
Grease .. .. .	2,210	2,616	2,495
Paraffin wax, etc. .. .. .	2,003	2,975	6,275
Asphaltum oil, etc. .. .. .	193	308	187
Asphalt .. .. .	5,754	7,443	13,220
Petroleum coke .. .. .	59,934	77,055	60,130
Other products .. .. .	8,212	14,534	16,010
Newfoundland (years ended June 30)—			
Motor spirit .. .. .	8,023	12,798	12,525
Kerosene .. .. .	3,018	2,496	3,637
Lubricating oil .. .. .	1,004	1,120	1,424
Fuel oil, etc. .. .. .	2,199	1,776	4,432
Paraffin wax .. .. .	(£282)	(£565)	(a)
Asphalt, etc. .. .. .	(£803)	(£1,419)	(£711)
British Guiana—			
Crude petroleum .. .. .	3,767	7,612	11,375
Aviation spirit .. .. .	169	124	57
Motor spirit .. .. .	3,057	3,185	3,489
Kerosene .. .. .	1,782	1,695	1,829
Fuel oil, etc. .. .. .	2,679	3,393	4,224
Lubricating oil .. .. .	495	645	608
Tar and pitch .. .. .	441	273	197
Paraffin wax .. .. .	15	17	10
British West Indies—			
Bahamas—			
Crude petroleum .. .. .	1,792	2,069	3,273
Motor spirit .. .. .	2,134	3,180	3,544
Kerosene .. .. .	1,073	949	1,316
Lubricating oil .. .. .	48	70	68

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
British West Indies—( <i>cont.</i> )			
Barbados—			
Crude petroleum .. ..	2,888	5,126	2,771
Motor spirit .. .. .	3,558	4,122	3,901
Kerosene.. .. .	1,148	1,312	1,219
Road oil .. .. .	200	288	386
Fuel oil, etc. .. .. .	3,281	3,756	7,554
Bermuda—			
Motor spirit .. .. .	1,304	1,602	913
Kerosene.. .. .	2,387	2,243	2,784
Fuel oil .. .. .	12,823	16,107	7,922
Lubricating oil .. .. .	(£5,870)	(£4,588)	(£3,371)
Grenada—			
Motor spirit .. .. .	494	568	596
Kerosene.. .. .	395	406	409
Fuel oil .. .. .	156	166	182
Lubricating oil .. .. .	30	30	23
Road oil .. .. .	783	585	446
Jamaica—			
Aviation spirit .. .. .	407	409	430
Motor spirit .. .. .	19,939	22,635	25,674
Kerosene.. .. .	6,140	6,733	7,237
Gas oil ( <i>b</i> ) .. .. .	4,521	11,059	1,609
Diesel oil ( <i>b</i> ) .. .. .	1,845	3,309	4,563
Fuel oil ( <i>b</i> ) .. .. .	122,761	182,435	152,898
Lubricating oil .. .. .	963	1,276	1,168
Asphalt .. .. .	3,183	3,493	4,753
Leeward Islands—			
Aviation spirit .. .. .	115	37	36
Motor spirit .. .. .	987	1,183	1,197
Kerosene.. .. .	719	604	663
Fuel oil .. .. .	526	655	623
Road oil .. .. .	586	745	807
Lubricating oil .. .. .	79	117	89
St. Lucia—			
Motor spirit .. .. .	204	218	222
Kerosene .. .. .	165	154	177
Fuel oil .. .. .	141	168	171
Lubricating oil .. .. .	16	18	22
Road oil .. .. .	128	192	235

(*b*) Imported chiefly for bunkering purposes.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
British West Indies—( <i>cont.</i> )			
St. Vincent—			
Crude petroleum .. ..	51	72	93
Motor spirit .. ..	274	302	327
Kerosene .. ..	173	171	178
Fuel oil, etc. .. ..	207	251	276
Lubricating oil .. ..	20	20	24
Asphalt, tar and pitch .. ..	4	4	—
Trinidad and Tobago—			
Crude petroleum .. ..	72,767	59,783	74,512
Motor spirit .. ..	165	54	(c) 61
Kerosene .. ..	27	7	9
Lubricating oil .. ..	1,292	1,323	1,677
Greases .. ..	107	120	143
Petroleum jelly .. ..	14	20	21
Paraffin wax .. ..	41	53	30
Asphalt .. ..	263	291	233
British Honduras—			
Motor spirit .. ..	1,157	1,590	1,599
Kerosene .. ..	837	1,082	816
Diesel oil .. ..	728	1,358	981
Lubricating oil .. ..	177	150	134
Asphalt .. ..	249	151	565
Aden—			
Motor spirit .. ..	1,495	1,673	2,112
Kerosene .. ..	1,322	1,331	1,411
Fuel oil (b) .. ..	671,672	730,084	920,833
Lubricating oil .. ..	203	263	334
Other petroleum oils .. ..	6	1	8
Petroleum jelly .. ..	10	11	11
Paraffin wax .. ..	2	3	3
Asphalt and bitumen .. ..	(a)	460	645
Bahrein Islands—			
Aviation spirit .. ..	414	485	256
Motor spirit .. ..	784	1,075	886
Kerosene .. ..	10,185	1,616	1,160
Brunei—			
Kerosene .. ..	738	745	(a)
Fuel oil .. ..	78	39	(a)
Lubricating oil .. ..	118	135	(a)

(a) Information not available.

(b) Imported chiefly for bunkering purposes.

(c) Excess of Re-exports.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Motor spirit .. .. .	6,424	287,818	286,427
Turpentine substitute .. .. .	154	1,555	2,479
Kerosene .. .. .	215,357	592,162	685,254
Fuel oil .. .. .	570,227	532,538	563,403
White oil .. .. .	5,936	8,621	1,116
Lubricating oil .. .. .	77,653	134,485	144,331
Other oils .. .. .	1,359	3,158	4,169
Greases .. .. .	2,187	2,723	2,742
Paraffin wax .. .. .	656	1,421	1,171
Asphalt .. .. .	40,410	40,398	45,652
British Malaya (total imports)—			
Crude petroleum .. .. .	62	78	6
Motor spirit .. .. .	320,521	433,682	449,093
Kerosene .. .. .	134,504	125,258	162,300
Fuel oil .. .. .	528,203	701,311	632,072
Lubricating oil .. .. .	12,470	19,203	13,852
Paraffin wax .. .. .	1,239	1,598	1,493
Asphalt and bitumen .. .. .	20,105	20,917	22,663
Other petroleum products .. .. .	666	779	263
Burma—			
Motor spirit .. .. .	(c)	(c)54	104
Kerosene .. .. .	(c)	(c)2,328	2,031
Lubricating oil .. .. .	(c)	(c)3,210	4,052
Fuel oil .. .. .	(c)	(c)64,971	115,580
Other oils .. .. .	(c)	(c)772	587
Greases .. .. .	(c)	(c)155	204
Ceylon—			
Motor spirit .. .. .	28,847	46,374	40,299
Kerosene .. .. .	21,303	30,576	29,334
Gas oil .. .. .	4,767	959	—
Diesel oil (b) .. .. .	69,422	100,365	85,993
Fuel oil (b) .. .. .	202,705	225,750	325,690
Lubricating oil .. .. .	3,094	3,684	2,849
Other oils and greases .. .. .	100	135	89
Asphalt .. .. .	10,403	10,704	8,890
Cyprus—			
Crude petroleum .. .. .	10,606	16,036	15,560
Motor spirit, etc. .. .. .	4,800	6,213	4,883
Kerosene, etc. .. .. .	4,230	3,959	3,443
Lubricating oil .. .. .	563	827	806
Paraffin wax .. .. .	45	83	92
Asphalt and bitumen .. .. .	1,107	1,303	1,953

(b) Imported chiefly for bunkering purposes.

(c) Included with India prior to April 1, 1937.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Hong Kong (total imports)—			
Motor spirit .. .. .	33,094	68,723	47,199
Kerosene .. .. .	94,887	81,561	57,289
Fuel oil ( <i>b</i> ) .. .. .	146,816	128,752	204,210
Diesel oil .. .. .	19,400	43,603	42,391
Lubricating oil .. .. .	8,136	26,239	11,990
Other oils .. .. .	44	92	10
Greases .. .. .	478	1,059	792
Petroleum jelly .. .. .	18	195	346
Paraffin wax .. .. .	8,457	11,106	10,744
Palestine—			
Crude petroleum and fuel oil ..	80,664	86,533	65,407
Motor spirit .. .. .	32,744	40,753	37,900
Kerosene .. .. .	47,676	48,668	47,182
Lubricating oils .. .. .	2,640	3,958	3,266
Petroleum jelly .. .. .	18	32	23
Paraffin wax .. .. .	318	326	252
Asphalt and bitumen .. .. .	9,584	14,947	9,555
Sarawak—			
Crude petroleum .. .. .	445,368	564,958	692,024
Motor spirit .. .. .	685	752	777
Kerosene .. .. .	2,658	2,897	2,906
Gas oil .. .. .	—	3,018	—
Fuel oil .. .. .	14,670	44,347	27,109
Lubricating oil .. .. .	470	524	547
Natural gas ( <i>1,000 cu. ft.</i> ) ..	940,455	727,045	1,045,621
State of North Borneo—			
Motor spirit .. .. .	656	789	711
Kerosene .. .. .	1,363	1,269	1,163
Australia—			
Crude petroleum .. .. .	249,071	279,971	249,014
Motor spirit .. .. .	857,274	1,011,520	1,091,877
Kerosene .. .. .	142,627	212,402	204,392
Lubricating oil .. .. .	61,522	69,701	61,912
Residual and solar oils .. .. .	401,052	468,092	505,463
Petroleum jelly .. .. .	893	807	1,007
Greases .. .. .	2,647	2,195	2,294
Paraffin wax, etc. .. .. .	2,849	3,024	1,708
Mastic asphalt .. .. .	617	690	297

(b) Imported chiefly for bunkering purposes.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Fiji—			
Crude petroleum .. .. .	6,608	5,810	8,772
Motor spirit .. .. .	4,430	4,739	5,299
Kerosene .. .. .	1,079	1,637	1,452
Lubricating oil .. .. .	394	465	452
Greases .. .. .	180	149	152
Bitumen .. .. .	165	299	179
Gilbert and Ellice Islands ( <i>c</i> )—			
Crude petroleum .. .. .	472	( <i>a</i> )	( <i>a</i> )
Motor spirit .. .. .	43	( <i>a</i> )	( <i>a</i> )
Kerosene .. .. .	76	( <i>a</i> )	( <i>a</i> )
Lubricating oil .. .. .	41	( <i>a</i> )	( <i>a</i> )
New Guinea ( <i>c</i> )—			
Motor spirit .. .. .	3,476	2,853	3,565
Kerosene .. .. .	854	570	751
Lubricating oil .. .. .	336	236	313
Other petroleum oils .. .. .	3,215	2,330	3,605
New Zealand—			
Crude petroleum, fuel oil, etc. ..	190,656	175,657	266,513
Motor spirit .. .. .	284,692	280,809	335,317
Turpentine substitute .. .. .	1,280	1,480	1,616
Kerosene .. .. .	9,454	5,686	6,901
Gas-oil .. .. .	13,365	12,099	19,175
Lubricating oil .. .. .	216	595	540
Transformer oil .. .. .	11,391	15,969	12,254
Other refined oils .. .. .	1,118	2,056	1,147
Paraffin wax .. .. .	1,350	1,196	733
Asphalt and bitumen .. .. .	22,640	21,575	19,683
Papua ( <i>c</i> )—			
Motor spirit, etc. .. .. .	1,281	2,313	2,522
Kerosene .. .. .	185	218	326
Solomon Islands ( <i>b</i> )—			
Crude petroleum .. .. .	587	461	( <i>a</i> )
Motor spirit .. .. .	233	214	( <i>a</i> )
Kerosene .. .. .	243	177	( <i>a</i> )
Lubricating oil .. .. .	46	41	( <i>a</i> )
Distillates .. .. .	240	226	( <i>a</i> )
Western Samoa—			
Motor spirit .. .. .	589	862	780
Kerosene .. .. .	206	335	243
Fuel oil (£ <i>N.Z.</i> ) .. .. .	(£158)	(£363)	70
Lubricating oil (£ <i>N.Z.</i> ) .. .. .	(£1,316)	(£806)	41

(*a*) Information not available.

(*b*) Years ended March 31 following.

(*c*) Years ended June 30.



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Albania—			
Motor spirit .. .. .	3,336	3,121	3,438
Kerosene .. .. .	2,228	2,207	2,228
Gas oil .. .. .	1,529	1,787	2,766
Fuel oil .. .. .	2,444	396	263
Lubricating oils, etc. .. .. .	285	303	322
Paraffin wax, etc. .. .. .	135	237	240
Austria—			
Crude petroleum .. .. .	168,864	104,184	153,002
Motor spirit .. .. .	57,834	80,190	70,825
Kerosene .. .. .	20,380	38,394	22,316
Gas oil .. .. .	35,312	34,801	38,183
Fuel oil, etc. .. .. .	82,614	51,600	31,990
Lubricating oil and grease .. .. .	6,114	6,928	8,100
Petroleum jelly .. .. .	140	130	133
Paraffin wax .. .. .	2,314	2,375	3,579
Petroleum coke .. .. .	1,674	4,917	1,107
Ozokerite and ceresin .. .. .	221	209	80
Asphalt .. .. .	11,042	16,272	5,125
Belgium-Luxemburg E.U.—			
Crude petroleum .. .. .	336,543	276,695	303,544
Motor spirit, etc. .. .. .	321,008	304,697	297,931
Kerosene .. .. .	14,898	8,951	7,768
Gas oil .. .. .	255,848	240,625	238,273
Fuel oil, etc. .. .. .	81,682	101,624	85,216
Lubricating oil .. .. .	157,101	180,634	174,944
Other heavy oils .. .. .	674	443	387
Petroleum jelly .. .. .	1,919	3,138	2,039
Paraffin wax .. .. .	5,777	7,976	7,652
Ozokerite and ceresin .. .. .	388	433	290
Asphalt, bitumen, etc. .. .. .	11,810	18,008	13,644
Residual asphalt .. .. .	17,572	13,068	11,087
Bulgaria—			
Crude petroleum .. .. .	22,111	19,144	28,569
Motor spirit .. .. .	4,688	10,310	11,215
Kerosene .. .. .	20,849	29,242	20,783
Gas oil .. .. .	20,942	20,933	18,754
Lubricating oil, etc. .. .. .	5,753	8,254	7,449
Paraffin wax, ceresin, etc. . . . .	298	303	258
Tar .. .. .	66	33	7
Petroleum jelly .. .. .	34	52	46
Asphalt and bitumen .. .. .	1,632	8,003	5,655

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Crude petroleum, etc. .. ..	198,699	263,746	197,626
Motor spirit and kerosene .. ..	1,296	1,196	1,178
Fuel oil and gas oil .. ..	178,024	164,528	140,347
Lubricating oil and greases .. ..	18,969	23,214	19,489
Paraffin wax .. ..	465	384	318
Ozokerite and ceresin .. ..	69	86	48
Petroleum jelly .. ..	224	307	257
Asphalt products .. ..	1,442	1,647	1,433
Denmark—			
Motor spirit .. ..	275,061	297,757	335,540
Kerosene .. ..	85,703	88,921	115,574
Fuel oil .. ..	269,307	283,665	375,771
Lubricating oil .. ..	30,528	25,034	30,737
Petroleum jelly .. ..	65	77	} 375
Ozokerite, etc. .. ..	57	44	
Paraffin wax .. ..	1,360	1,129	1,765
Asphalt rock .. ..	1,306	941	759
Other asphalt .. ..	35,304	36,916	33,053
Estonia—			
Crude petroleum .. ..	615	5,835	3,035
Motor spirit .. ..	7,750	6,942	5,297
Kerosene .. ..	17,382	18,546	21,008
Fuel oil .. ..	766	1,159	680
Gas oil .. ..	2,981	3,100	4,493
Lubricating oil .. ..	2,317	2,782	2,779
Petroleum jelly, etc. .. ..	65	108	70
Paraffin wax, etc. .. ..	213	195	267
Asphalt and tar .. ..	52	76	83
Oil-shale .. ..	10,112	—	—
Finland (total imports)—			
Crude petroleum .. ..	19,105	26,773	31,928
Motor spirit .. ..	85,514	115,161	134,496
Kerosene .. ..	67,072	63,974	63,703
Lubricating oil .. ..	11,580	13,360	13,907
Petroleum jelly .. ..	438	464	393
Paraffin wax, etc. .. ..	763	785	975
Asphalt and tar .. ..	14,902	18,501	20,501
France—			
Crude petroleum .. ..	5,913,839	6,054,570	6,870,941
Motor spirit .. ..	574,539	606,362	533,735
Kerosene .. ..	3,240	3,306	2,665
Lubricating oil .. ..	96,885	85,031	68,684
Fuel oil .. ..	391,105	617,663	398,275

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Gas oil .. .. .	175,546	211,534	92,483
Road oil, etc. .. .. .	15,033	23,477	18,130
Petroleum coke, etc. .. .. .	27,180	31,870	39,312
Paraffin wax .. .. .	600	797	788
Ozokerite and ceresin .. .. .	571	538	292
Petroleum jelly .. .. .	52	44	38
Asphalt and bitumen .. .. .	5,042	6,631	3,430
Germany—			
Crude petroleum .. .. .	569,723	720,653	765,555
Motor spirit .. .. .	1,303,730	1,041,487	1,335,669
Kerosene .. .. .	62,604	47,436	21,809
Gas oil .. .. .	1,064,248	1,173,317	1,444,388
Fuel oil .. .. .	373,409	389,333	399,283
Lubricating oil, etc. .. .. .	380,141	408,725	381,906
Paraffin wax .. .. .	7,729	17,342	9,381
Ozokerite, etc. .. .. .	3,013	3,261	3,057
Asphalt .. .. .	4,315	6,269	4,663
Greece—			
Motor spirit .. .. .	56,343	63,242	70,014
Kerosene .. .. .	23,206	18,342	20,588
Fuel oil .. .. .	187,882	223,846	239,147
Other oils and greases .. .. .	8,586	12,944	9,763
Petroleum jelly .. .. .	53	70	80
Asphalt and bitumen .. .. .	8,527	10,263	12,243
Hungary—			
Crude petroleum .. .. .	234,514	233,877	170,953
Motor spirit .. .. .	2,238	2,250	733
Kerosene .. .. .	—	18	—
Gas oil .. .. .	328	613	1,171
Fuel oil .. .. .	12,665	34,184	26,506
Lubricating oil .. .. .	3,851	4,528	6,465
Paraffin wax .. .. .	772	821	697
Petroleum jelly .. .. .	146	172	151
Ozokerite and ceresin .. .. .	12	20	33
Asphalt, bitumen and tar .. .. .	1,400	3,099	1,741
Petroleum coke .. .. .	198	153	181
Iceland—			
Motor spirit .. .. .	19,164	14,576	(a)
Kerosene .. .. .	3,337	2,852	(a)
Lubricating oil .. .. .	801	852	(a)
Paraffin wax .. .. .	28	11	(a)
Asphalt .. .. .	178	191	(a)
Petroleum jelly .. .. .	2	11	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude petroleum .. .. .	296,086	921,088	1,453,200
Motor spirit .. .. .	206,771	256,654	98,704
Kerosene .. .. .	110,798	93,402	51,002
Lubricating oil .. .. .	54,194	69,874	43,285
Other oils and residues .. .. .	1,126,499	1,196,972	948,353
Petroleum jelly .. .. .	350	363	351
Paraffin wax .. .. .	19,911	27,164	17,076
Ceresin .. .. .	49	148	83
Bitumen .. .. .	25,018	17,155	22,943
Petroleum coke .. .. .	13,385	13,618	12,958
Latvia—			
Crude petroleum .. .. .	1,809	3,716	10,147
Motor spirit .. .. .	8,462	17,362	16,581
Kerosene .. .. .	22,612	23,995	28,660
Gas oil .. .. .	734	5,066	5,030
Fuel oil .. .. .	163	642	262
Lubricating oil .. .. .	1,820	3,344	1,975
Shale oil .. .. .	2,781	2,731	2,261
Petroleum jelly .. .. .	4	4	11
Paraffin wax .. .. .	290	298	346
Ozokerite and ceresin .. .. .	23	15	17
Asphalt and bitumen .. .. .	4,016	5,072	5,475
Lithuania—			
Crude petroleum and fuel oil .. .. .	12,514	15,044	18,183
Shale oil .. .. .	546	538	1,040
Motor spirit .. .. .	4,237	4,375	5,089
Kerosene .. .. .	18,196	20,676	23,097
Lubricating oil .. .. .	3,591	3,991	3,896
Paraffin wax .. .. .	369	334	444
Petroleum jelly .. .. .	26	89	34
Ozokerite and ceresin .. .. .	23	12	11
Asphalt, etc. .. .. .	2,127	1,761	2,717
Netherlands—			
Crude petroleum .. .. .	331,784	474,184	426,632
Motor spirit .. .. .	330,424	238,513	239,614
Kerosene .. .. .	251,251	254,852	249,211
Gas oil .. .. .	327,313	373,059	410,568
Fuel oil .. .. .	210,698	403,580	641,258
Lubricating oil .. .. .	46,221	49,212	52,893
Greases .. .. .	1,943	1,920	2,019
Petroleum jelly .. .. .	868	1,099	1,154
Paraffin wax .. .. .	3,272	4,341	4,004
Ozokerite and ceresin .. .. .	160	221	208
Asphalt .. .. .	6,264	15,495	11,260
Natural asphalt .. .. .	1,299	1,339	1,866

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude petroleum .. .. .	21,868	16,978	36,013
Motor spirit .. .. .	133,761	163,582	173,669
Turpentine substitute .. .. .	1,099	1,015	1,129
Kerosene .. .. .	32,230	38,318	29,432
Fuel oil and solar oil .. .. .	273,138	311,250	331,271
Residual oils, etc. .. .. .	12,369	13,354	12,224
Petroleum jelly, etc. .. .. .	707	844	783
Asphalt, bitumen, etc. .. .. .	11,850	18,923	12,336
Poland—			
Motor spirit .. .. .	6	19	66
Fuel oil and gas oil .. .. .	115	248	286
Lubricating oil .. .. .	607	648	1,096
Greases .. .. .	35	37	58
Petroleum jelly .. .. .	259	397	296
Ozokerite, ceresin, etc. .. .. .	605	568	680
Asphalt and tar .. .. .	3,552	3,495	3,865
Portugal—			
Motor spirit .. .. .	66,183	71,548	72,582
Kerosene .. .. .	49,502	50,721	49,511
Fuel oil .. .. .	37,579	51,001	56,423
Lubricating oil .. .. .	8,844	11,401	10,361
Other mineral oils .. .. .	9,040	5,608	3,003
Petroleum jelly .. .. .	52	126	(a)
Paraffin wax .. .. .	874	994	(a)
Roumania—			
Petroleum oils .. .. .	2,727	2,161	2,007
Petroleum jelly .. .. .	43	74	22
Paraffin wax .. .. .	2	4	(a)
Ozokerite and ceresin .. .. .	48	70	75
Greases .. .. .	125	131	(a)
Asphalt and bitumen .. .. .	197	186	(a)
Tar and pitch .. .. .	280	157	(a)
Sweden—			
Crude petroleum .. .. .	68,479	79,105	90,315
Motor spirit .. .. .	435,949	479,428	534,443
Kerosene .. .. .	99,173	102,752	109,933
Fuel oil and gas oil .. .. .	337,071	442,824	508,719
Lubricating oil .. .. .	46,684	56,221	61,392

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Sweden—(cont.)			
Petroleum jelly .. .. .	387	456	526
Other oils .. .. .	7,664	9,322	12,107
Paraffin wax .. .. .	4,614	5,159	5,736
Ozokerite and ceresin .. .. .	287	367	446
Asphalt .. .. .	4,235	4,616	4,725
Pitch .. .. .	29,129	27,883	21,922
Switzerland—			
Motor spirit .. .. .	190,752	191,178	197,363
Kerosene .. .. .	21,604	19,742	19,796
Fuel oil .. .. .	169,677	160,482	168,421
Lubricating oil and grease .. .. .	16,780	20,115	18,978
Other oils .. .. .	11,826	14,885	22,187
Petroleum jelly .. .. .	364	375	325
Paraffin wax and ceresin .. .. .	1,811	2,101	1,737
Asphalt and bitumen .. .. .	839	893	728
U.S.S.R.—			
Motor spirit .. .. .	46,208	} 107,925	(b) 77,539
Kerosene .. .. .	24		
Fuel oil .. .. .	38		
Lubricating oil .. .. .	270		
Petroleum jelly .. .. .	20		
Ozokerite and ceresin .. .. .	108	146	(b) 60
Asphalt and pitch.. .. .	67	47	(b) 268
Yugoslavia—			
Crude petroleum .. .. .	120,399	90,902	126,294
Motor spirit .. .. .	1,369	1,306	4,674
Kerosene .. .. .	11,016	12,915	9,263
Gas oil, etc. .. .. .	1,347	2,126	3,813
Lubricating oil, etc. .. .. .	3,287	4,500	6,027
Paraffin wax .. .. .	2,312	2,475	2,177
Ozokerite and ceresin .. .. .	107	78	65
Asphalt and bitumen .. .. .	9,176	17,070	16,770
Algeria—			
Motor spirit .. .. .	113,142	112,483	119,985
Kerosene .. .. .	45,277	38,532	37,844
Gas oil .. .. .	25,797	24,855	23,193
Fuel oil and diesel oil .. .. .	26,743	31,306	35,131
Lubricating oil .. .. .	10,320	12,222	12,062
Road oil, etc. .. .. .	25,635	25,632	20,805
Paraffin wax .. .. .	144	204	274
Petroleum jelly .. .. .	19	23	27
Ozokerite and ceresin .. .. .	70	45	38
Asphalt and bitumen .. .. .	781	1,251	1,149

(b) January to September only.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Angola—			
Motor spirit .. .. .	3,604	4,769	5,066
Kerosene .. .. .	611	966	935
Gas oil .. .. .	599	204	1,792
Fuel oil .. .. .	223	473	
Lubricating oil .. .. .	638	501	802
Grease .. .. .	34	(a)	(a)
Belgian Congo—			
Motor spirit .. .. .	17,047	29,215	19,312
Kerosene .. .. .	1,803	2,438	2,909
Fuel oil, etc. .. .. .	3,440	6,008	4,349
Lubricating oil and greases .. .. .	2,309	3,620	3,641
Petroleum jelly .. .. .	(a)	4	6
Paraffin wax .. .. .	(a)	16	27
Asphalt .. .. .	(a)	122	96
Cameroon (French)—			
Motor spirit .. .. .	4,248	5,660	4,685
Kerosene .. .. .	1,399	2,573	1,460
Fuel oil .. .. .	356	679	781
Lubricating oil .. .. .	417	442	724
Cape Verde Islands—			
Motor spirit .. .. .	(a)	(a)	202
Kerosene .. .. .	(a)	(a)	362
Fuel oil (b) .. .. .	(a)	(a)	402,218
Egypt—			
Crude petroleum .. .. .	127,336	105,277	104,540
Motor spirit .. .. .	25,967	25,126	30,097
Turpentine substitute .. .. .	106	171	118
Kerosene .. .. .	276,832	281,681	301,872
Fuel oil, etc. .. .. .	241,733	248,932	223,086
Lubricating oil .. .. .	14,577	20,678	20,060
Petroleum jelly .. .. .	182	131	189
Paraffin wax .. .. .	571	662	519
Ozokerite and ceresin .. .. .	8	7	10
Asphalt and bitumen .. .. .	7,282	16,588	7,541
French Equatorial Africa—			
Aviation spirit .. .. .	6,276	750	786
Motor spirit .. .. .		4,996	7,275
Kerosene .. .. .	1,316	1,531	1,493
Gas oil .. .. .	1,745	1,912	1,438
Fuel oil .. .. .	971	673	735
Lubricating oil .. .. .	829	910	905
Road oil .. .. .	6	2	—
Grease .. .. .	31	48	67

(a) Information not available.

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

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
French Somaliland—			
Motor spirit .. .. .	650	1,402	1,279
Kerosene .. .. .	295	421	449
Lubricating oil .. .. .	640	740	788
French Togoland—			
Crude petroleum .. .. .	58	88	56
Motor spirit .. .. .	952	941	747
Kerosene .. .. .	958	1,248	1,292
Fuel oil .. .. .	410	561	503
Lubricating oil .. .. .	82	152	102
French West Africa—			
Motor spirit .. .. .	21,836	28,380	27,934
Kerosene .. .. .	5,934	8,161	8,014
Fuel oil (b) .. .. .	463,179	667,137	(a)
Lubricating oil .. .. .	2,802	4,129	3,598
Asphalt and bitumen .. .. .	1,394	487	(a)
Italian East Africa—			
Motor spirit .. .. .	(a)	(a)	51,896
Kerosene .. .. .	(a)	(a)	7,333
Fuel oil .. .. .	(a)	(a)	69,938
Lubricating oil .. .. .	(a)	(a)	5,210
Liberia—			
Motor spirit, etc. .. .. .	(a)	792	(a)
Kerosene .. .. .	(a)	301	(a)
Fuel oil, etc. .. .. .	(a)	373	(a)
Lubricating oil .. .. .	(a)	44	(a)
Libya—			
Motor spirit .. .. .	20,052	16,288	17,000
Kerosene .. .. .	4,843	5,305	6,664
Lubricating oil and grease .. .. .	2,140	1,786	2,572
Residual oils .. .. .	16,104	24,733	36,709
Asphalt and bitumen .. .. .	16,646	4,542	7,693
Madagascar—			
Motor spirit .. .. .	6,589	8,197	9,554
Kerosene .. .. .	2,585	3,924	4,021
Fuel oil, gas oil, etc. .. .. .	1,351	1,693	2,472
Road oil, etc. .. .. .	475	300	394
Lubricating oil .. .. .	1,104	1,225	1,989
Other heavy oils .. .. .	10	1	—
Petroleum jelly .. .. .	7	4	(a)
Asphalt .. .. .	64	8	5

(a) Information not available.

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



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Morocco (French)—			
Motor spirit .. .. .	95,047	96,953	129,968
Kerosene .. .. .	12,268	11,934	12,473
Gas oil .. .. .	15,110	18,922	} 29,050
Diesel oil .. .. .	467	124	
Fuel oil .. .. .	726	2,427	
Transformer oil .. .. .	69	114	(a)
Lubricating oil and grease .. .. .	4,930	6,471	5,714
Paraffin wax .. .. .	3,685	6,148	5,522
Petroleum jelly .. .. .	22	7	(a)
Road oil, etc. .. .. .	4,428	5,644	(a)
Asphalt and bitumen .. .. .	7,105	5,358	(a)
Morocco (Spanish)—			
Crude petroleum .. .. .	10	—	259
Motor spirit .. .. .	4,461	4,935	7,948
Kerosene .. .. .	985	1,034	1,110
Gas oil .. .. .	1,756	1,195	1,356
Lubricating oil and grease .. .. .	270	255	412
Paraffin wax .. .. .	31	126	438
Asphalt .. .. .	69	94	614
Mozambique—			
Motor spirit .. .. .	5,825	9,562	7,199
Kerosene .. .. .	2,595	2,920	3,319
Fuel oil .. .. .	3,127	3,503	4,800
Lubricating oil .. .. .	1,196	1,646	1,705
Paraffin wax .. .. .	49	46	45
Asphalt and bitumen .. .. .	182	253	2,460
Portuguese Guinea—			
Motor spirit .. .. .	(a)	610	526
Kerosene .. .. .	(a)	190	155
Fuel oil .. .. .	(a)	368	229
Lubricating oil .. .. .	(a)	61	45
Réunion—			
Motor spirit .. .. .	3,675	2,260	(a)
Kerosene .. .. .	792	773	(a)
Heavy oils .. .. .	312	295	(a)
Tunis—			
Motor spirit .. .. .	38,674	42,385	45,146
Kerosene .. .. .	22,535	23,869	23,994
Fuel oil and gas oil .. .. .	26,891	30,959	30,869
Road oil .. .. .	5,612	3,462	6,381
Lubricating oil .. .. .	3,945	5,196	4,957

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Tunis—(cont.)			
Petroleum jelly .. .. .	16	13	19
Paraffin wax .. .. .	14	35	24
Asphalt and bitumen .. .. .	1,100	1,159	1,212
Costa Rica (total imports)—			
Crude petroleum .. .. .	23,223	25,580	28,155
Motor spirit .. .. .	6,093	7,050	7,835
Diesel oil .. .. .	1,037	2,762	1,561
Grease .. .. .	(a)	(a)	47
Petroleum jelly.... .. .	(a)	(a)	11
Paraffin wax .. .. .	1,158	1,246	1,192
Asphalt .. .. .	984	650	2,893
Cuba (total imports)—			
Crude petroleum .. .. .	125,084	130,971	76,568
Motor spirit .. .. .	72,737	68,811	73,600
Kerosene .. .. .	575	7	380
Fuel oil .. .. .	545,358	533,194	408,300
Gas oil .. .. .	2	32	(a)
Lubricating oil .. .. .	7,024	8,082	6,580
Residual oils .. .. .	147	—	(a)
Petroleum jelly .. .. .	321	414	358
Greases .. .. .	90	298	116
Paraffin wax .. .. .	1,367	1,517	(a)
Asphalt rock .. .. .	42	146	81
Other asphalt .. .. .	136	80	91
Petroleum coke .. .. .	—	2,720	(a)
Dominican Republic (total imports)—			
Motor spirit .. .. .	11,037	10,692	12,562
Kerosene .. .. .	4,286	4,435	4,420
Fuel oil .. .. .	25,263	24,577	27,976
Lubricating oil .. .. .	1,261	1,568	1,181
Other oils .. .. .	1,147	1,016	619
French West Indies—			
Guadeloupe—			
Motor spirit .. .. .	3,347	(a)	3,752
Kerosene.. .. .	1,260	(a)	1,381
Fuel oil and lubricating oil .. .. .	820	(a)	964
Martinique—			
Motor spirit .. .. .	5,987	6,053	(a)
Kerosene.. .. .	1,541	1,737	(a)
Fuel oil .. .. .	2,312	3,684	(a)
Lubricating oil .. .. .	321	426	(a)
Road oil .. .. .	115	174	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Guatemala—			
Crude petroleum, etc. .. .. .	75,420	50,731	64,214
Motor spirit .. .. .	9,336	11,873	12,792
Kerosene .. .. .	3,216	3,813	8,389
Fuel oil .. .. .	177	149	196
Diesel oil .. .. .	614	1,182	2,120
Lubricating oil .. .. .	691	960	869
Grease .. .. .	81	98	105
Asphalt .. .. .	153	201	13
Paraffin wax, etc. .. .. .	1,356	1,407	1,334
Haiti (years ended September 30)—			
Motor spirit .. .. .	4,141	9,911	7,571
Kerosene .. .. .	3,279	4,275	3,513
Fuel oil .. .. .	4,399	5,418	2,252
Lubricating oil .. .. .	371	942	395
Honduras (years ended July 31)—			
Motor spirit .. .. .	6,089	5,802	(a)
Kerosene, etc. .. .. .	4,396	10,880	(a)
Fuel oil .. .. .	91,231	94,863	(a)
Lubricating oil .. .. .	725	876	(a)
Mexico—			
Crude petroleum .. .. .	38,479	12,713	8,516
Motor spirit .. .. .	14,355	14,395	8,582
Kerosene .. .. .	1,742	986	333
Fuel oil and gas oil .. .. .	108,587	214,325	162,065
Paraffin wax .. .. .	4,909	11,961	9,028
Lubricating oil, etc. .. .. .	10,900	15,092	8,479
Petroleum jelly .. .. .	315	449	219
Asphalt .. .. .	718	859	480
Natural gas (1,000 cu. feet) ..	7,758,944	4,470,545	(b) 1,936,334
Netherlands West Indies—			
Crude petroleum .. .. .	18,493,552	21,594,871	23,760,000
Motor spirit .. .. .	211,592	209,500	1,024,000
Kerosene .. .. .	107,632	1,769	263,000
Fuel oil .. .. .	704,404	804,538	758,000
Diesel oil .. .. .	169	9,164	84,000
Gas oil .. .. .	180,231	780,460	815,000
Lubricating oil .. .. .	920	1,582	2,100
Asphalt .. .. .	—	124	(a)

(a) Information not available.

(b) In addition 956 long tons were imported.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Nicaragua (total imports)—			
Crude petroleum .. .. .	15,069	26,981	14,393
Motor spirit .. .. .	2,952	3,692	3,438
Kerosene .. .. .	2,003	2,467	1,803
Lubricating oil .. .. .	331	524	505
St. Pierre and Miquelon—			
Motor spirit .. .. .	450	762	(a)
Gas oil and fuel oil .. .. .	500	844	(a)
Salvador—			
Motor spirit .. .. .	5,700	6,900	(a)
Kerosene .. .. .	2,200	3,100	(a)
Fuel oil .. .. .	22,500	17,600	(a)
Lubricating oil and grease .. .. .	400	700	(a)
Asphalt .. .. .	486	797	(a)
United States—			
Crude petroleum .. .. .	4,708,000	3,901,000	3,722,000
Motor spirit, etc. .. .. .	71	423	490
Kerosene .. .. .	115	2	—
Fuel oil, including topped oils .. .. .	3,450,132	4,324,366	3,543,832
Gas oil and diesel oil .. .. .	107,328	111,317	} 325,000
Unfinished distillates .. .. .	129,000	285,000	
Lubricating oil, etc. .. .. .	1,384	1,716	1,491
Road oil, etc. .. .. .	(a)	77,000	12,014
Paraffin wax, etc. .. .. .	6,985	16,219	12,698
Mineral wax .. .. .	2,966	3,269	2,462
Petroleum jelly .. .. .	36	9	21
Asphalt and bitumen .. .. .	19,284	25,592	21,112
Natural gas (1,000 cu. ft.) .. .. .	91,999	245,322	425,605
Argentina—			
Crude petroleum .. .. .	430,718	559,646	652,985
Motor spirit .. .. .	824	20,562	1,990
Kerosene .. .. .	402	446	410
Gas oil .. .. .	5,359	6,398	17,753
Fuel oil .. .. .	769,855	785,796	1,057,379
Diesel oil .. .. .	274,538	323,855	332,224
Lubricating oil .. .. .	9,572	9,922	8,602
Petroleum jelly .. .. .	374	285	357

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Argentina—(cont.)			
Grease .. .. .	169	231	214
Paraffin wax .. .. .	5,281	4,944	4,862
Ozokerite and ceresin .. .. .	51	45	40
Asphalt rock .. .. .	—	8,415	—
Asphalt for paving .. .. .	457	557	765
Asphalt for roofing .. .. .	2,007	3,039	2,374
Other asphalt and bitumen .. .. .	12	96	39
Pitch .. .. .	30	139	28
Bolivia—			
Crude petroleum .. .. .	30,000	27,386	(a)
Motor spirit .. .. .	7,000	6,992	(a)
Kerosene .. .. .	1,900	2,008	(a)
Lubricating oil .. .. .	2,800	3,188	(a)
Paraffin wax .. .. .	984	1,490	(a)
Asphalt, etc. .. .. .	609	87	(a)
Brazil (total imports)—			
Crude petroleum .. .. .	12,729	37,510	46,906
Aviation spirit .. .. .	99	—	—
Motor spirit .. .. .	320,263	351,469	355,630
Kerosene .. .. .	86,160	112,504	97,921
Fuel oil .. .. .	524,272	547,986	622,140
Lubricating oil .. .. .	30,887	38,106	37,370
Transformer oil .. .. .	1,129	1,273	1,241
Petroleum jelly .. .. .	297	416	328
Greases .. .. .	334	306	283
Paraffin wax .. .. .	974	1,215	984
Asphalt and bitumen .. .. .	10,515	10,439	11,285
Chile—			
Crude petroleum .. .. .	356,498	623,622	564,961
Motor spirit .. .. .	65,041	74,024	88,501
Kerosene .. .. .	6,941	8,514	6,959
Diesel oil .. .. .	18,779	36,425	39,149
Lubricating oil .. .. .	9,218	11,455	11,775
Petroleum jelly .. .. .	81	102	(a)
Greases .. .. .	271	500	663
Ozokerite .. .. .	3	7	(a)
Natural asphalt .. .. .	535	1,160	76
Paraffin wax .. .. .	5,632	5,127	6,453
Tar and pitch .. .. .	1,071	2,753	2,228

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Motor spirit .. .. .	7,211	5,562	7,216
Kerosene .. .. .	10	25	43
Fuel oil and gas oil .. .. .	11,590	13,359	13,014
Lubricating oil, etc. .. .. .	3,117	3,332	2,985
Petroleum jelly .. .. .	91	97	80
Paraffin wax .. .. .	7,258	6,922	8,024
Asphalt .. .. .	235	358	621
Dutch Guiana—			
Motor spirit .. .. .	852	835	(a)
Kerosene .. .. .	1,300	1,225	(a)
Gas oil and diesel oil .. .. .	1,569	2,024	(a)
Fuel oil .. .. .	3,867	6,103	(a)
Lubricating oil .. .. .	204	214	(a)
Grease .. .. .	24	9	(a)
Asphalt .. .. .	1	102	(a)
Ecuador—			
Motor spirit .. .. .	130	130	(a)
Fuel oil .. .. .	13,700	1,400	(a)
Lubricating oil and greases .. .. .	1,067	1,230	(a)
Paraffin wax, etc. .. .. .	1,223	1,582	(a)
Petroleum jelly .. .. .	33	67	(a)
Asphalt and bitumen .. .. .	263	25	(a)
French Guiana—			
Motor spirit .. .. .	511	481	589
Kerosene .. .. .	500	562	563
Fuel oil, etc. .. .. .	273	78	428
Paraguay—			
Motor spirit .. .. .	(a)	4,900	4,900
Kerosene .. .. .	(a)	1,800	1,700
Fuel oil, etc. .. .. .	(a)	400	700
Peru—			
Crude petroleum .. .. .	11,303	25,667	16,056
Motor spirit and kerosene .. .. .	4,596	2,569	3,580
Lubricating oil .. .. .	2,738	2,986	3,573
Petroleum jelly .. .. .	84	98	110
Paraffin wax .. .. .	3,485	4,126	4,070
Asphalt and bitumen .. .. .	556	319	286
Greases .. .. .	174	231	221
Uruguay—			
Crude petroleum .. .. .	(a)	82,065	136,012
Motor spirit, etc. .. .. .	74,701	59,907	22,143
Kerosene .. .. .	34,196	25,190	7,636
Gas oil .. .. .	3,276	3,114	39

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Uruguay—(cont.)			
Fuel oil .. .. .	183,438	223,609	196,857
Lubricating oil and greases ..	4,618	4,181	7,459
Paraffin wax .. .. .	448	280	139
Petroleum jelly .. .. .	25	18	33
Asphalt and bitumen .. .. .	3,102	2,023	4,007
Venezuela—			
Motor spirit .. .. .	269	6,969	(a)
Turpentine substitute .. .. .	—	16	(a)
Kerosene .. .. .	3	386	(a)
Gas oil .. .. .	—	23	(a)
Fuel oil .. .. .	124	123	(a)
Lubricating oil .. .. .	1,977	2,678	(a)
Paraffin wax .. .. .	2,187	2,482	(a)
Petroleum jelly .. .. .	—	82	(a)
Natural gas .. .. .	—	70	(a)
Asphalt, bitumen, etc. .. .. .	128	150	(a)
China—			
Motor spirit .. .. .	124,246	149,575	87,100
Turpentine substitute .. .. .	1,194	1,660	1,115
Kerosene .. .. .	316,205	358,352	202,076
Fuel oil .. .. .	67,562	47,590	23,484
Diesel and solar oils .. .. .	240,967	207,316	139,870
Lubricating oil .. .. .	43,645	41,660	23,149
Paraffin wax .. .. .	26,062	33,690	32,870
Asphalt .. .. .	11,671	10,651	5,227
Greases .. .. .	1,193	1,705	1,299
Formosa—			
Crude and heavy oils .. .. .	24,696	(a)	(a)
Motor spirit .. .. .	7,974	(a)	(a)
Kerosene, etc. .. .. .	14,633	(a)	(a)
Lubricating oil .. .. .	7,089	(a)	(a)
Greases .. .. .	369	(a)	(a)
French Indo-China—			
Motor spirit .. .. .	29,088	31,623	37,536
Kerosene .. .. .	37,901	38,477	36,019
Fuel oil and gas oil .. .. .	14,772	17,264	22,836
Lubricating oil, etc. .. .. .	4,939	4,939	4,894
Road oil, etc. .. .. .	12,604	12,248	13,958
Petroleum jelly .. .. .	37	34	51
Ozokerite and ceresin .. .. .	9	6	10
Paraffin wax .. .. .	1,393	1,949	1,478
Asphalt and bitumen .. .. .	22	408	230
Petroleum coke .. .. .	3	5	1

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Iran (c) (b)—			
Crude petroleum .. .. .	1,020	151	923
Motor spirit .. .. .	7,917	6,973	7,372
Kerosene .. .. .	17,430	19,208	19,504
Fuel oil .. .. .	3,403	11,035	14,311
Lubricating oil .. .. .	1,197	} 3,836	7,877
Greases .. .. .	2,915		
Paraffin wax and petroleum jelly	70	153	254
Asphalt, tar and bitumen ..	1,627	6,882	4,913
Iraq—			
Motor spirit .. .. .	6,179	6,698	7,131
Kerosene .. .. .	7,466	8,432	8,943
Fuel oil .. .. .	65,363	49,124	56,968
Lubricating oil .. .. .	3,754	4,953	5,857
Greases .. .. .	155	130	107
Asphalt and bitumen .. .. .	623	725	1,172
Japan (c) (d)—			
Crude oils .. .. .	3,484,761	(a)	(a)
Motor spirit, etc. .. .. .	472,500	(a)	(a)
Kerosene, etc. .. .. .	60,200	(a)	(a)
Lubricating oil, etc. .. .. .	34,000	(a)	(a)
Other oils .. .. .	21,000	(a)	(a)
Petroleum jelly .. .. .	751	919	926
Paraffin wax .. .. .	22,445	18,871	18,645
Pitch and asphalt .. .. .	6,319	6,691	5,468
Korea (c)—			
Crude and heavy oils .. .. .	227,766	(a)	(a)
Motor spirit .. .. .	58,589	(a)	(a)
Kerosene .. .. .	54,876	(a)	(a)
Lubricating oil .. .. .	17,368	(a)	(a)
Manchuria—			
Crude petroleum .. .. .	118,349	155,243	(a)
Motor spirit .. .. .	10,630	47,999	(a)
Kerosene .. .. .	11,353	69,254	(a)
Other refined petroleum .. .. .	1,646	761	(a)
Fuel oil .. .. .	19,910	20,661	(a)
Lubricating oil .. .. .	17,754	17,810	(a)
Paraffin wax .. .. .	3,574	6,784	2,258
Asphalt and bitumen .. .. .	2,580	2,821	6,291

(a) Information not available.

(b) Years ended June 21.

(c) Total imports.

(d) Excluding fuel oil imported on government account.



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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands East Indies—			
Crude petroleum .. .. .	29	1	(a)
Motor spirit .. .. .	48,540	47,076	91,779
Kerosene .. .. .	12,012	10,649	26,973
Fuel and motor oils .. .. .	67,605	69,441	(a)
Lubricating oil .. .. .	10,353	11,798	11,270
Petroleum jelly .. .. .	72	137	(a)
Greases .. .. .	708	1,072	(a)
Paraffin wax .. .. .	160	56	24
Ceresin .. .. .	2	2	(a)
Pitch .. .. .	2	17	(a)
Asphalt .. .. .	18,466	15,065	19,093
Philippine Islands—			
Motor spirit .. .. .	104,589	95,307	98,127
Kerosene .. .. .	62,553	56,530	44,504
Fuel oil .. .. .	312,683	269,049	295,889
Other light oils .. .. .	380	60	190
Lubricating oil .. .. .	10,133	12,021	20,553
Residual oils .. .. .	870	1,835	552
Petroleum jelly .. .. .	(a)	(a)	348
Mineral wax .. .. .	3,280	1,936	2,682
Asphalt .. .. .	7,886	6,836	11,327
Portuguese India—			
Motor spirit .. .. .	(a)	(a)	1,972
Kerosene .. .. .	(a)	(a)	2,723
Other oils .. .. .	(a)	(a)	1,699
Siam (total imports)—			
Motor spirit .. .. .	18,937	19,020	20,711
Kerosene .. .. .	40,637	30,914	31,727
Fuel oil .. .. .	15,780	19,685	18,285
Diesel oil .. .. .	33,528	34,719	38,638
Lubricating oil .. .. .	5,925	6,229	5,356
Grease .. .. .	266	319	345
Paraffin wax .. .. .	1,095	1,292	1,285
Asphalt .. .. .	1,184	2,973	1,811
Syria and Lebanon—			
Motor spirit .. .. .	36,584	37,052	40,881
Kerosene .. .. .	34,308	28,271	30,496
Fuel oil and diesel oil .. .. .	21,560	19,316	17,121
Lubricating oil .. .. .	2,587	3,498	3,064
Paraffin wax .. .. .	87	74	109
Petroleum jelly .. .. .	31	48	45
Asphalt and bitumen .. .. .	2,956	3,763	5,184

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Turkey—			
Crude petroleum .. .. .	283	1	9
Motor spirit .. .. .	27,071	37,155	48,835
Kerosene .. .. .	30,370	39,379	45,988
Heavy oil, etc. .. .. .	46,948	55,162	67,144
Paraffin wax and petroleum jelly ..	1,185	602	577
Ozokerite and ceresin .. .. .	41	32	27
New Caledonia—			
Motor spirit .. .. .	1,667	1,677	2,269
Kerosene .. .. .	554	595	754
Lubricating oil, etc. .. .. .	1,289	1,242	1,163

## PHOSPHATES

## PRODUCTION OF PHOSPHATE-ROCK

(Long tons)

Producing Country.	1936	1937	1938	Estimated Tribasic Phosphate of Lime Content or equivalent.		
				1936	1937	1938
<b>BRITISH EMPIRE</b>						
Tanganyika .. ..	—	102	104	—	(a)	(a)
Seychelles (exports) ..	23,564	9,442	21,360	(a)	(a)	(a)
Canada .. ..	469	89	186	390	74	154
India .. ..	128	166	23	104	134	18
Christmas Island ..	161,440	162,568	159,859	137,600	138,500	136,200
Australia .. ..	175	16	(a)	95	11	(a)
Nauru Island ..	547,400	688,900	841,050	465,900	586,300	643,400
Ocean Island ..	403,100	398,800	299,550	357,100	353,300	229,200
<b>Total .. ..</b>	<b>1,136,000</b>	<b>1,260,000</b>	<b>1,322,000</b>			
<b>FOREIGN COUNTRIES</b>						
Belgium (b) .. ..	15,836	—	(a)	7,300	—	(a)
Estonia .. ..	11,228	9,952	12,806	4,907	4,349	5,596
France .. ..	54,100	101,747	(a)	35,000	66,000	(a)
Germany .. ..	1,043	3,262	(a)	570	1,780	(a)
Italy .. ..	—	197	—	—	(a)	—
Poland .. ..	12,300	(a)	(a)	5,400	(a)	(a)
Roumania (e) ..	1,023	935	(a)	(a)	(a)	(a)
Sweden .. ..	6,043	4,839	6,094	4,029	3,880	4,447
U.S.S.R. (d) .. ..	2,178,900	(a)	(a)	1,455,700	(a)	(a)
Algeria .. ..	523,000	621,180	575,221	349,000	395,000	366,000
Egypt .. ..	522,644	508,837	451,164	355,000	346,000	296,000
Madagascar .. ..	5,265	4,222	5,602	3,900	3,200	4,150
Morocco (French) ..	1,314,303	1,455,156	1,464,021	998,000	1,030,000	1,126,000
Tunis .. ..	1,464,000	1,757,100	1,906,300	900,000	1,050,000	1,170,000
Netherlands West Indies .. ..	78,787	96,288	97,715	68,000	83,100	84,300
United States .. ..	3,462,837	4,261,416	3,860,476	2,497,000	3,072,000	2,783,000
Formosa .. ..	210	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) In addition phosphatic chalk was produced as follows:—

1936 .. ..	58,737 long tons.
1937 .. ..	51,444 „ „

(d) Figures refer to concentrates of apatite and phosphate-rock plus the ground phosphate used directly as a fertilizer. The production of phosphate-rock before concentration was:—

	1936.
Phosphate-rock (excluding apatite) .. ..	1,764,400 long tons.

(e) Phosphatic guano, converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

## PRODUCTION OF PHOSPHATE-ROCK (Cont.)

Producing Country.	1936	1937	1938	<i>Estimated Tribasic Phosphate of Lime Content or equivalent</i>		
				1936	1937	1938
<b>FOREIGN COUNTRIES</b> (Cont.)						
French Indo-China ..	9,200	19,932	36,751	7,400	16,100	29,700
China (estimated) ..	8,000	8,000	8,000	6,500	6,500	6,500
Japan .. ..	111,315	(a)	(a)	91,300	(a)	(a)
Netherlands East Indies .. ..	11,238	25,754	32,590	7,500	17,300	21,800
Philippine Islands ..	444	738	(a)	350	600	(a)
Angaur Island (exports) .. ..	87,817	89,220	103,910	70,200	71,400	83,200
French Oceania ..	144,900	160,000	111,000	120,000	134,000	96,000
New Caledonia ..	4,800	302	1,730			
Total .. ..	10,000,000	(a)	(a)			
WORLD'S TOTAL	11,100,000	(a)	(a)			

(a) Information not available.

## PRODUCTION OF SUPERPHOSPHATES

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom (c) .. .. .	578,133	600,335	551,087
Union of South Africa .. .. .	137,901	161,099	140,226
Canada (d) .. .. .	40,135	59,792	88,519
Australia (d) .. .. .	1,092,787	1,257,526	1,244,038
New Zealand (b) .. .. .	347,469	402,076	457,076
FOREIGN COUNTRIES			
Austria .. .. .	43,581	32,535	(e)43,000
Belgium .. .. .	283,000	288,000	288,000
Czecho-Slovakia .. .. .	156,988	149,832	126,286
Denmark .. .. .	351,000	347,000	323,000
Finland .. .. .	6,267	5,228	22
France .. .. .	1,162,900	1,343,599	1,154,160
Germany (estimated) .. .. .	935,000	935,000	1,100,000
Greece .. .. .	77,366	68,415	66,844
Hungary .. .. .	41,200	30,000	43,200
Italy .. .. .	1,311,493	1,345,165	1,383,700
Latvia .. .. .	69,482	111,477	113,348
Lithuania .. .. .	19,000	41,000	40,000
Netherlands .. .. .	466,922	528,857	560,850
Norway .. .. .	19,970	18,165	30,550
Poland .. .. .	122,639	192,304	224,270
Portugal .. .. .	179,000	260,000	222,900
Roumania .. .. .	3,417	5,174	15,242
Spain (e) .. .. .	453,000	305,000	320,000
Sweden .. .. .	210,102	237,486	256,285
Switzerland .. .. .	19,186	18,423	16,309
U.S.S.R. .. .. .	1,236,000	1,409,000	1,693,000
Yugoslavia .. .. .	21,127	26,000	19,444
Algeria .. .. .	40,180	71,600	78,700
Egypt .. .. .	—	12,376	20,127
Tunis .. .. .	20,000	43,041	44,982
Morocco .. .. .	28,000	28,000	34,000
United States .. .. .	3,789,000	4,285,756	3,278,000
Uruguay .. .. .	1,240	2,827	2,792
Japan .. .. .	1,772,197	(f)2,080,950	(f)1,604,000

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

(c) Including Eire.

(d) Years ended June 30.

(e) Estimated.

(f) Including phosphate in compounds.

## PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Great Britain (b) .. .. .	297,000	404,000	464,000
Eire .. .. .	1,230	1,458	1,655
FOREIGN COUNTRIES			
Belgium (estimated) .. .. .	595,000	812,000	843,000
Czecho-Slovakia .. .. .	143,155	159,994	159,000
France .. .. .	1,019,000	1,199,000	846,000
Germany .. .. .	2,241,428	2,275,121	2,510,000
Italy .. .. .	1,095	827	(a)
Luxemburg .. .. .	424,267	524,047	314,600
Poland .. .. .	(a)	4,000	8,000
Sweden .. .. .	15,465	15,198	(a)
United States (estimated) .. .. .	35,000	35,000	35,000

Basic slag is also produced in the U.S.S.R.

(a) Information not available.

(b) Estimated amount ground and used as fertilizers.

## EXPORTS OF PHOSPHATES, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Superphosphates .. .. .	20,031	22,514	27,998
Basic slag .. .. .	87,205	233,415	162,184
Seychelles—			
Phosphatic guano .. .. .	23,564	9,442	21,360
British Malaya (including re-exports)—			
Phosphate-rock .. .. .	155,185	151,939	146,738
Australia—			
Superphosphates .. .. .	1,860	3,527	3,520
New Zealand—			
Superphosphates .. .. .	55	3	3
Nauru and Ocean Islands—			
Phosphate-rock .. .. .	950,500	1,087,700	1,140,600
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock .. .. .	—	15	—
Basic slag .. .. .	22	—	—
Belgium-Luxemburg E.U.—			
Phosphate-rock .. .. .	43,216	43,375	47,041
Superphosphates .. .. .	172,261	164,619	149,784
Di-calcium superphosphate .. .. .	60,627	84,273	80,042
Basic slag .. .. .	972,675	1,201,086	713,825
Czecho-Slovakia—			
Phosphate-rock .. .. .	—	2	—
Superphosphates .. .. .	83	24	6
Basic slag .. .. .	11,006	22,749	23,215
Denmark—			
Superphosphates .. .. .	6,426	13,974	8,618
Estonia—			
Phosphate-rock .. .. .	—	130	—
France—			
Phosphate-rock .. .. .	203	462	430
Superphosphates .. .. .	27,477	30,404	39,578
Basic slag .. .. .	334,228	458,295	273,798
Germany—			
Superphosphates .. .. .	36,478	27,367	28,469
Basic slag .. .. .	14,576	1,845	295,835
Greece—			
Superphosphates .. .. .	14,902	22,004	17,547

## EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Phosphate-rock .. .. .	22	—	—
Superphosphates, including bone superphosphates .. .. .	1,827	1,838	3,265
Latvia—			
Superphosphates .. .. .	—	760	—
Lithuania—			
Basic slag, etc. .. .. .	56	98	4,964
Netherlands—			
Superphosphates .. .. .	383,488	456,628	432,403
Basic slag .. .. .	2	1	22
Norway—			
Superphosphates .. .. .	118	225	8
Poland—			
Phosphate-rock .. .. .	44	—	1
Superphosphates .. .. .	16,383	19,033	24,656
Portugal—			
Superphosphates .. .. .	11	17	(a)
Sweden—			
Superphosphates .. .. .	14,501	5,297	13,526
Switzerland—			
Basic slag .. .. .	11	239	6
U.S.S.R.—			
Apatite .. .. .	498,607	} 612,278	(c) 517,174
Other phosphate-rock .. .. .	2,335		
Superphosphate .. .. .	32,245		
Basic slag .. .. .	1,196		
Yugoslavia—			
Superphosphates .. .. .	23	20	4
Algeria—			
Phosphate-rock .. .. .	554,508	563,269	477,911
Superphosphates .. .. .	21,595	23,171	18,764
Egypt—			
Phosphate-rock .. .. .	535,484	440,333	396,395
Madagascar—			
Phosphate-rock .. .. .	4,429	3,130	4,570
Morocco (French)—			
Phosphate-rock .. .. .	1,182,346	1,529,670	1,410,247
Superphosphates .. .. .	2,508	998	3,182
Morocco (Spanish)—			
Superphosphates .. .. .	—	—	886

(a) Information not available.

(c) January to September only.



## EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Tunis (including re-exports)—			
Phosphate-rock .. .. .	1,654,117	1,897,345	1,566,144
Netherlands West Indies—			
Phosphate-rock .. .. .	76,897	100,229	97,700
United States—			
Phosphate-rock .. .. .	1,208,951	1,052,802	1,140,841
Superphosphates .. .. .	68,368	78,949	90,237
Venezuela—			
Phosphates .. .. .	—	138	(a)
Angaur Island—			
Phosphate-rock .. .. .	87,817	89,220	103,910
French Oceania— ..			
Phosphate-rock .. .. .	121,594	160,593	111,165
Japan—			
Superphosphates .. .. .	25,937	32,278	8,002
New Caledonia—			
Phosphate-rock .. .. .	2,200	303	—

(a) Information not available.

## IMPORTS OF PHOSPHATES, ETC.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Phosphate-rock .. .. .	427,490	445,887	410,444
Superphosphates .. .. .	29,038	23,137	14,385
Basic slag .. .. .	2,492	1,319	669
Eire—			
Phosphate-rock .. .. .	72,170	87,449	80,263
Superphosphates .. .. .	8,191	8,652	5,922
Basic slag .. .. .	15,143	16,595	21,798
Mauritius—			
Phosphatic guano .. .. .	1,297	1,607	(a)
Southern Rhodesia—			
Superphosphates .. .. .	5,941	7,919	7,814
Union of South Africa—			
Phosphate-rock .. .. .	78,134	116,678	97,705
Superphosphates .. .. .	100,532	86,175	85,289
Basic slag .. .. .	3,384	6,085	3,890
Canada—			
Phosphate-rock .. .. .	74,530	101,759	114,651
Superphosphates .. .. .	85,774	89,934	102,104
Basic slag .. .. .	11,377	10,681	9,504
British West Indies—			
St. Vincent—			
Superphosphates .. .. .	—	—	55
Trinidad and Tobago—			
Phosphate-rock .. .. .	219	160	117
Superphosphates .. .. .	55	378	330
Basic slag .. .. .	58	260	134
British Guiana—			
Superphosphates, basic slag, etc.	2,487	2,378	1,965
British India—			
Superphosphates .. .. .	6,300	7,762	7,971
British Malaya—			
Phosphate-rock .. .. .	3,704	8,853	4,740
Ceylon—			
Phosphate-rock .. .. .	10,698	13,897	11,239
Superphosphates .. .. .	2,047	2,709	2,460
Basic slag .. .. .	293	782	710
Palestine—			
Superphosphates, etc. .. .. .	2,076	3,160	1,419
Australia—			
Phosphate-rock .. .. .	603,730	697,111	778,133
Superphosphates .. .. .	3	—	—

(a) Information not available.

## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
New Zealand—			
Phosphate-rock .. .. .	218,160	283,148	264,003
Superphosphates .. .. .	—	12	—
Basic slag .. .. .	70,025	91,667	78,491
Other phosphates .. .. .	7,941	15,731	6,575
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock .. .. .	23,569	17,592	23,231
Superphosphates .. .. .	110	10	—
Basic slag .. .. .	37,490	41,650	25,920
Belgium-Luxemburg E.U.—			
Phosphate-rock .. .. .	304,511	347,546	324,103
Superphosphates .. .. .	26,080	23,789	13,553
Di-calcium superphosphates .. .. .	123	994	1
Basic slag .. .. .	119,215	151,988	97,584
Czecho-Slovakia—			
Phosphate-rock .. .. .	129,416	91,705	73,657
Superphosphates .. .. .	—	—	12
Basic slag .. .. .	11,166	112	3
Denmark—			
Phosphate-rock .. .. .	209,026	198,913	190,044
Superphosphates .. .. .	10,972	19,395	34,257
Basic slag .. .. .	540	47	(a)
Estonia—			
Superphosphates .. .. .	27,755	39,351	49,806
Finland (total imports)—			
Phosphate-rock .. .. .	29,408	36,381	45,373
Superphosphates .. .. .	23,004	53,962	48,272
Basic slag .. .. .	18,632	40,549	28,279
France—			
Phosphate-rock .. .. .	817,056	996,962	898,285
Superphosphates .. .. .	54,849	40,354	45,173
Basic slag .. .. .	64,223	65,650	10,132
Germany—			
Phosphate-rock, etc. .. .. .	1,107,382	985,102	1,071,078
Superphosphates (b) .. .. .	57,689	56,374	68,205
Basic slag .. .. .	427,971	569,143	389,527
Greece—			
Phosphate-rock .. .. .	54,870	48,516	44,678
Superphosphates .. .. .	12,712	17,224	(a)
Hungary—			
Phosphate-rock .. .. .	46,522	23,790	(a)
Basic slag .. .. .	1	5	290
Iceland—			
Superphosphates .. .. .	84	84	(a)

(a) Information not available.

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

## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Phosphate-rock .. .. .	758,041	910,123	833,468
Superphosphates, including bone superphosphates .. .. .	—	9,983	19,349
Basic slag .. .. .	118	33,633	11,389
Latvia—			
Phosphate-rock .. .. .	50,701	52,794	67,442
Superphosphates .. .. .	9,742	17,753	4,092
Basic slag .. .. .	17,653	23,613	18,514
Lithuania—			
Phosphate-rock .. .. .	14,189	32,045	17,920
Superphosphates .. .. .	45,430	48,559	73,589
Basic slag .. .. .	1,189	5,779	9,342
Netherlands—			
Phosphate-rock .. .. .	362,754	422,049	427,652
Superphosphates .. .. .	49,273	48,556	57,246
Basic slag .. .. .	386,878	418,773	415,650
Norway—			
Phosphate-rock .. .. .	16,462	20,390	36,411
Superphosphates .. .. .	48,463	56,519	45,610
Basic slag .. .. .	4,503	5,636	8,889
Poland—			
Phosphate-rock .. .. .	129,748	137,867	154,447
Superphosphates .. .. .	69	24	—
Basic slag .. .. .	40,207	66,648	68,623
Portugal—			
Phosphate-rock .. .. .	78,389	145,160	124,527
Superphosphates .. .. .	4,412	3,873	(a)
Roumania—			
Phosphate-rock .. .. .	2,805	1,454	3,346
Spain—			
Phosphate-rock (b) .. .. .	257,684	184,782	200,242
Sweden—			
Phosphate-rock .. .. .	131,719	148,889	196,321
Superphosphates .. .. .	31,444	50,813	29,436
Basic slag .. .. .	1,705	1,090	285
Switzerland—			
Phosphate-rock .. .. .	19,367	22,807	13,616
Superphosphates .. .. .	4,418	4,661	6,485
Basic slag .. .. .	93,868	108,014	57,307
Yugoslavia—			
Phosphate-rock .. .. .	11,888	8,187	13,422
Superphosphates .. .. .	—	—	192
Basic slag .. .. .	280	251	1,474

(a) Information not available.

(b) Exports from various countries to Spain.

## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Phosphate-rock .. .. .	657	826	3,366
Superphosphates .. .. .	20,817	25,394	33,164
Basic slag .. .. .	1,383	2,984	2,041
Egypt—			
Phosphate-rock .. .. .	—	984	—
Superphosphates .. .. .	85,281	72,087	53,412
French West Africa—			
Phosphates .. .. .	3,180	3,438	3,160
Morocco (French)—			
Superphosphates, etc. .. .. .	301	42	(a)
Basic slag .. .. .	1,927	1,316	(a)
Tunis—			
Superphosphates .. .. .	4,262	4,523	7,673
Basic slag .. .. .	451	689	727
Cuba—			
Superphosphates, etc. .. .. .	9,404	14,570	12,282
Martinique—			
Superphosphates .. .. .	1,280	925	(a)
United States—			
Phosphate-rock .. .. .	3,100	13,400	7,400
Superphosphates .. .. .	18,395	57,930	18,753
Basic slag .. .. .	758	714	691
Chile—			
Superphosphates .. .. .	1,969	1,278	(a)
Uruguay—			
Phosphate-rock .. .. .	13	2,091	7
China—			
Superphosphates .. .. .	2,986	4,121	808
Formosa—			
Phosphate-rock .. .. .	4,968	5,460	(a)
Superphosphates .. .. .	60,571	(a)	(a)
French Indo-China—			
Phosphate-rock .. .. .	984	2,809	6,318
Superphosphates .. .. .	1,364	2,085	1,471
Japan (total imports)—			
Phosphate-rock .. .. .	816,707	907,750	555,265
Korea (total imports)—			
Phosphate-rock .. .. .	58,641	69,570	49,601
Superphosphates .. .. .	111,444	118,237	140,080
Netherlands East Indies—			
Superphosphates .. .. .	3,671	5,641	4,153
Philippine Islands—			
Superphosphates .. .. .	745	736	645
Syria and Lebanon—			
Phosphates.. .. .	323	649	1,240

(a) Information not available.

## PLATINUM

 PRODUCTION OF PLATINUM METALS  
 (Troy ounces)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Sierra Leone—			
Crude platinum .. .. .	484	308	180
Union of South Africa—			
Crude ( <i>Pt metals content</i> ) .. ..	19,751	17,776	18,256
Concentrates ( <i>Pt metals content</i> ) ..	13,164	21,849	35,124
Osmiridium (crude) ( <i>c</i> ) .. .. .	5,431	5,790	5,354
Canada—			
Crude platinum ( <i>Pt content</i> ) .. ..	20	22	7
Recovered from Ontario nickel-copper matte :			
Platinum .. .. .	131,551	139,355	161,319
Other platinum metals .. .. .	103,671	119,829	130,893
New South Wales—			
Crude platinum .. .. .	47	46	(a)
Tasmania—			
Osmiridium (crude) .. .. .	281	586	191
New Zealand—			
Crude platinum .. .. .	29	55	1
Papua—			
Crude platinum .. .. .	24	20	—
Osmiridium (crude) .. .. .	—	8	22
FOREIGN COUNTRIES			
U.S.S.R.—			
Crude platinum (estimated) .. ..	100,000	100,000	120,000
Abyssinia ( <i>b</i> )—			
Crude platinum .. .. .	8,038	(a)	(a)

(a) Information not available.

(b) Amount registered, which is probably not total production.

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

	1936	1937	1938
Osmium .. .. .	1,670	1,695	1,701
Iridium .. .. .	1,432	1,493	1,563
Ruthenium .. .. .	730	764	813
Platinum .. .. .	641	639	634
Rhodium .. .. .	25	27	30

## PRODUCTION OF PLATINUM METALS (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgian Congo—			
Palladium .. .. .	12,571	12,506	225
Platinum .. .. .	3,183	2,122	1,575
United States (b)—			
Crude platinum .. .. .	9,785	10,803	42,043
Ore ( <i>Pt metals content</i> ) .. .. .	110	124	90
New platinum metals recovered by refineries from gold and copper ores of domestic origin—			
Platinum .. .. .	4,443	4,761	3,761
Palladium .. .. .	4,505	5,776	3,429
Iridium, osmiridium, etc. ..	36	41	57
Colombia—			
Crude platinum .. .. .	38,333	29,315	29,460
Panama—			
Crude platinum .. .. .	19	267	(a)
Japan—			
Crude platinum .. .. .	34	(a)	(a)

(a) Information not available.

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

	1936	1937	1938
Platinum .. .. .	55,959	55,926	44,654
Palladium .. .. .	6,786	12,680	13,489
Iridium .. .. .	2,204	2,320	2,150
Other platinum metals	1,217	1,280	3,998

## EXPORTS OF PLATINUM.\*

*(Domestic Produce)*

(Troy ounces)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ingots, grain and powder .. ..	16,086	10,530	23,037
Other kinds, including alloys .. ..	14,486	10,030	5,902
Sierra Leone—			
Unrefined platinum .. ..	375	227	135
Union of South Africa—			
Osmiridium .. ..	5,113	5,123	5,444
Platinum ... ..	27,950	29,665	39,283
Canada—			
Concentrates, etc. (b) .. ..	(£1,375,817)	(£1,695,303)	(£1,891,300)
Scrap .. ..	317	671	1,106
Australia—			
Bars, blocks, rods, plates, etc. .. ..	491	791	453
Osmiridium .. ..	135	182	—
New Zealand—			
Platinum (jewellers' sweepings) .. ..	50	69	52
Papua (years ended June 30)—			
Osmiridium .. ..	—	5	4
Platinum .. ..	21	8	41
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire .. ..	—	60	—
Belgium-Luxemburg E.U.—			
Unwrought platinum ... ..	(£90,900)	(£120,400)	(£80,600)
Czecho-Slovakia—			
Unwrought platinum and scrap .. ..	257	772	804
France—			
Unwrought platinum and scrap .. ..	15,014	10,545	7,845
Drawn or rolled platinum .. ..	10,256	10,320	7,620
Germany—			
Platinum metals and alloys .. ..	32,553	23,512	32,569
Hungary—			
Unwrought platinum .. ..	—	257	354

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

(b) Excluding platinum contained in copper matte.



EXPORTS OF PLATINUM (*Cont.*)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Italy—			
Sheets, bars, dust, scrap, etc. ..	403	559	651
Netherlands—			
Unwrought platinum .. ..	11,542	9,677	8,006
Poland—			
Ingots, sheets, wire, etc. ..	446	186	43
Sweden—			
Unwrought platinum .. ..	225	450	588
Switzerland—			
Unwrought platinum .. ..	14,950	13,696	15,979
U.S.S.R. .. ..	(b)	(b)	(b)
Belgian Congo—			
Platinum .. ..	40	1,415	322
Palladium .. ..	198	9,388	—
United States—			
Ingots, sheets, wire, etc. ..	55,454	59,567	33,435
Colombia—			
Platinum .. ..	38,334	29,315	29,460

(a) Information not available.

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

	1936	1937	1938
United Kingdom ..	59,244	97,518	85,147
France .. ..	26,685	23,470	28,260
Germany .. ..	(a)	3,591	—
United States ..	4,750	17,189	31,431
Japan .. ..	19,917	(a)	(a)

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ingots, grain and powder .. ..	71,594	111,789	95,201
Other kinds, including alloys .. ..	183	1,636	484
Palladium, etc. .. ..	(a)	1,381	1,617
Canada—			
Bars, sheets, wire, etc. .. ..	(£28,327)	(£59,845)	(£48,374)
Palestine—			
Platinum .. ..	(£247)	(£743)	(£1,272)
Palladium .. ..	—	(£3,518)	(£6,877)
Australia—			
Bars, rods, plates, etc. .. ..	3,477	21,534	52,122
New Zealand—			
Bars, sheets, wire, etc. .. ..	301	256	594
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire .. ..	2,500	1,800	1,800
Belgium-Luxemburg E.U.—			
Unwrought platinum .. ..	(£40,700)	(£39,800)	(£34,000)
Bulgaria—			
Ingots, bars, sheet and wire .. ..	4	3	3
Czecho-Slovakia—			
Unwrought platinum and scrap .. ..	225	129	257
Bars, plates, sheets and wire .. ..	386	643	1,222
Denmark—			
Rods, sheets and wire .. ..	96	322	(a)
Finland (total imports)—			
Unwrought platinum .. ..	169	208	255
France—			
Unwrought platinum and scrap .. ..	56,553	40,221	55,106
Drawn or rolled platinum .. ..	15,818	16,976	5,851
Germany—			
Ore .. ..	(£28,600)	(£18,700)	—
Platinum metals and alloys .. ..	(c)525,883	121,076	140,483
Hungary—			
Ingots, sheets and wire .. ..	1,608	1,382	2,218

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

(a) Information not available.

(c) Includes 451,567 ounces of low grade material from U.S.S.R.

## IMPORTS OF PLATINUM (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Iridium .. .. .	(a)	64	10
Bars, dust and scrap .. ..	2,205	2,107	997
Sheets and foil .. .. .	—	129	102
Wire .. .. .	5	8	117
Latvia—			
Ingots, sheets and wire .. ..	110	106	279
Netherlands—			
Unwrought platinum .. ..	14,243	13,696	19,419
Norway—			
Sheets, rolled and wire .. ..	611	247	1,478
Poland—			
Ingots, sheets, wire, etc. .. ..	2,194	2,629	3,367
Roumania—			
Ingots, sheets and wire .. ..	4	1	(a)
Sweden—			
Unwrought platinum .. ..	488	335	1,534
Switzerland—			
Unwrought platinum .. ..	13,471	12,700	19,773
Yugoslavia—			
Ingots, sheets, wire, etc. .. ..	256	546	901
Egypt—			
Ingots, bars, sheets, etc. .. ..	1,493	1,230	1,509
United States—			
Ore ( <i>Pt content</i> ) .. .. .	2,204	1,186	3,263
Ingots, sheets, etc. .. ..	155,134	147,609	124,566
Iridium .. .. .	2,668	5,568	1,717
Osmium and osmiridium .. ..	6,047	3,672	2,941
Palladium .. .. .	38,842	45,427	26,858
Rhodium and ruthenium .. ..	5,537	3,461	1,841
Argentina—			
Platinum .. .. .	(a)	(a)	11,767
Brazil (total imports)—			
Ingots, sheets and wire .. ..	1,481	616	259
Chile—			
Ingots, bars, scrap, etc. .. ..	102	112	(a)
Uruguay—			
Ingots .. .. .	29	34	201
Palladium .. .. .	—	16	2
Venezuela—			
Unwrought platinum .. ..	57	64	(a)
China—			
Ingots, bars, sheets and scrap .. ..	(£2,468)	(£1,941)	(£6,438)
Japan (total imports)—			
Platinum .. .. .	24,317	(a)	(a)
Syria and Lebanon—			
Unwrought platinum .. ..	11	455	8

(a) Information not available.

## POTASH MINERALS

### PRODUCTION OF POTASH (Long tons)

Producing Country and Description.	1936	1937	1938	K <sub>2</sub> O Content or Equivalent.		
				1936	1937	1938
<b>BRITISH EMPIRE</b>						
Palestine—						
Muriate (chloride)	23,085	35,891	57,200	11,542	17,946	28,600
India—						
Nitrate (estimated)	8,800	8,900	8,100	4,100	4,200	3,900
Australia—						
Alunite .. ..	746	334	438	(a)	(a)	(a)
Total (estimated)				15,600	22,100	32,500
<b>FOREIGN COUNTRIES</b>						
France (b)—						
K <sub>2</sub> O equivalent—						
Sylvinite, etc. :						
12-22% ..	462,528	651,463	815,369	} 363,054	482,064	572,600
30-40% ..	144,737	179,397	254,299			
50% and over ..	380,957	499,608	573,265			
Germany—						
Kainite, sylvinite,						
etc. .. ..	10,185,376	12,585,771	(a)	1,454,155	1,769,471	} (c) 1,832,000
Carnallite, etc. ..	1,393,371	1,646,003	(a)	142,867	167,857	
Italy—						
Alunite .. ..	3,913	3,445	2,734	470	400	320
Poland—						
Kainite .. ..	87,778	109,598	118,228	8,778	10,960	} 104,353
Sylvite .. ..	331,005	389,632	420,593	72,821	85,719	
Langbeinit ..	8,419	14,016	19,338	1,010	1,682	

(a) Information not available.

(b) Crude salts mined were as follows—1936—2,090,002 long tons.

1937—2,837,953 " "

1938—3,321,501 " "

(c) Saleable products.

PRODUCTION OF POTASH (*Cont.*)

Producing Country and Description.	1936	1937	1938	K <sub>2</sub> O Content or equivalent.		
				1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )						
U.S.S.R.—						
Crude salts ..	1,769,000	2,400,000	(a)	220,000	250,000	120,000
Eritrea—						
Niccoli Salts ..	300	(a)	(a)	80	(a)	(a)
United States—						
Crude salts ..	385,241	434,009	477,629	220,839	254,015	282,992
Korea—						
Alunite (impure)	112,760	147,000	(a)	(a)	(a)	(a)
Total .. ..				2,500,000	3,000,000	2,900,000
WORLD'S TOTAL				2,500,000	3,000,000	2,900,000

Potash minerals are also produced in Spain.

(a) Information not available.

## EXPORTS OF POTASH SALTS

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts .. .. .	232	198	164
Chromate and bichromate ..	402	350	361
Nitrate .. .. .	1,255	958	1,020
Sulphate .. .. .	684	761	776
Other compounds .. .. .	576	769	607
British India—			
Nitrate .. .. .	8,140	8,357	7,441
British Malaya (including re- exports)—			
Nitrate .. .. .	368	345	380
Hong Kong (including re-exports)—			
Nitrate .. .. .	536	803	451
Chlorate .. .. .	1,127	2,205	1,326
Palestine—			
Chloride .. .. .	19,480	28,650	46,746
FOREIGN COUNTRIES			
Austria—			
Carbonate .. .. .	103	—	—
Chloride .. .. .	2	20	—
Nitrate .. .. .	233	347	175
Belgium-Luxemburg E.U.—			
Fertilizer salts .. .. .	117,275	115,855	174,627
Carbonate .. .. .	1,875	3,340	2,182
Caustic potash and lyes ..	358	1,651	753
Chloride .. .. .	137,107	151,464	164,544
Chlorate .. .. .	344	238	467
Chromates, including those of sodium .. .. .	452	245	271
Nitrate .. .. .	3	264	239
Sulphate .. .. .	69,866	71,969	94,483
Czecho-Slovakia—			
Carbonate .. .. .	1,274	1,640	1,438
Chloride .. .. .	228	260	60
Manganate and permanganate, including those of sodium ..	929	789	431
Nitrate .. .. .	40	2	14
Sulphate .. .. .	517	561	348

## EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Finland—			
Chlorate .. .. .	999	1,113	919
France—			
Carbonate .. .. .	2,146	2,418	2,580
Caustic potash .. .. .	8,710	7,706	8,913
Chloride .. .. .	439,008	500,707	719,267
Nitrate .. .. .	1,647	2,261	3,362
Permanganate .. .. .	532	357	333
Sulphate .. .. .	14,762	7,399	4,505
Germany—			
Fertilizer salts .. .. .	633,332	768,948	687,513
Carbonate and wool grease ash ..	8,733	8,081	8,071
Caustic potash .. .. .	15,620	13,506	15,162
Chlorate .. .. .	8,208	9,789	8,142
Manganates .. .. .	713	614	435
Nitrate .. .. .	30,571	32,014	26,510
Sulphates and chloride .. .. .	390,466	729,810	389,081
Hungary—			
Fertilizer salts .. .. .	182	138	65
Carbonate .. .. .	189	303	211
Italy—			
Fertilizer salts .. .. .	93	36	178
Carbonate .. .. .	23	19	35
Caustic potash .. .. .	8	1	16
Chlorate .. .. .	56	49	60
Chloride .. .. .	42	71	50
Nitrate .. .. .	1	6	—
Netherlands—			
Fertilizer salts .. .. .	14,989	977	72
Caustic potash .. .. .	382	300	91
Chloride .. .. .	1,243	227	431
Nitrate .. .. .	79	41	54
Sulphate .. .. .	138	65	71
Poland—			
Fertilizer salts .. .. .	81,977	83,464	73,392
Carbonate .. .. .	24	10	78
Caustic potash .. .. .	178	338	182
Chlorate .. .. .	311	320	333
Nitrate .. .. .	592	659	277
Sweden—			
Carbonate .. .. .	20	20	10
Chlorate .. .. .	4,448	5,696	(a)
Caustic potash .. .. .	649	711	644

(a) Information not available.

## EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Nitrate (crude) .. .. .	20,948	18,956	17,387
U.S.S.R.—			
Fertilizer salts .. .. .	10,012	28,937	(b)14,804
Carbonate .. .. .	15	(a)	(a)
Chlorate .. .. .	654	(a)	(a)
Chloride .. .. .	23,151	(a)	(a)
Chromates .. .. .	239	(a)	(a)
Caustic potash .. .. .	3,298	(a)	(a)
Nitrate .. .. .	413	(a)	(a)
Algeria—			
Fertilizer salts .. .. .	—	2	—
Sulphate .. .. .	31	—	1
United States—			
Fertilizer salts .. .. .	91,992	91,992	75,122
Compounds .. .. .	2,083	1,870	2,336
China—			
Carbonate .. .. .	67	31	13
Japan—			
Bichromate .. .. .	521	379	438
Caustic potash .. .. .	(a)	235	226
Chlorate .. .. .	2,255	2,300	1,764
Chloride .. .. .	(a)	18	940
Iodide .. .. .	17	10	4
Nitrate .. .. .	(a)	746	298
Permanganate .. .. .	(a)	179	235
Sulphate .. .. .	(a)	14	45
Korea—			
Alunite .. .. .	114,922	142,550	42,447
Syria and Lebanon—			
Carbonate .. .. .	18	—	—
Caustic potash .. .. .	11	—	—

(a) Information not available.

(b) January to September only.



## IMPORTS OF POTASH SALTS

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts .. .. .	81,023	61,895	62,154
Carbonate .. .. .	3,646	3,435	3,861
Caustic potash and lyes .. .. .	6,252	6,567	6,445
Chlorate .. .. .	1,195	1,225	1,584
Chloride .. .. .	68,735	66,461	89,043
Nitrate .. .. .	3,877	3,546	2,460
Sulphate .. .. .	40,505	40,143	43,729
Other compounds .. .. .	1,376	655	735
Eire—			
Kainite .. .. .	9,580	11,026	9,023
Fertilizer salts (20% $K_2O$ ) .. .. .	8,125	8,160	7,721
do. (30% $K_2O$ ) .. .. .	3,195	4,272	4,603
Chlorate .. .. .	52	79	73
Chloride .. .. .	4,444	4,676	4,289
Nitrate .. .. .	214	245	277
Sulphate .. .. .	272	365	556
Other compounds .. .. .	89	90	81
Mauritius—			
Nitrate .. .. .	3,701	4,483	4,450
Sulphate .. .. .	61	—	—
Northern Rhodesia—			
Compounds .. .. .	271	465	331
Southern Rhodesia—			
Compounds .. .. .	146	224	354
Union of South Africa—			
Fertilizer salts .. .. .	6,979	7,773	7,074
Nitrate .. .. .	44	85	81
Caustic potash .. .. .	340	263	223
Other compounds .. .. .	828	1,337	1,062
Canada—			
Kainite .. .. .	42	559	107
Chlorate .. .. .	472	497	506
Chloride .. .. .	26,529	37,451	43,205
Nitrate .. .. .	657	1,122	1,031
Crude sulphate .. .. .	3,246	4,912	5,446
Other compounds .. .. .	911	1,068	971

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
British West Indies—			
Barbados—			
Carbonate .. .. .	1,787	2,431	3,473
St. Vincent—			
Chloride .. .. .	—	—	11
Sulphate .. .. .	13	1	36
Trinidad and Tobago—			
Sulphate .. .. .	316	562	674
British India—			
Bichromate .. .. .	292	278	252
Chlorate .. .. .	1,507	2,352	1,346
Chloride .. .. .	2,466	2,222	2,657
Other compounds .. .. .	1,133	1,655	1,637
British Malaya (total imports)—			
Nitrate .. .. .	454	310	496
Burma—			
Chlorate .. .. .	(b)	(b)247	307
Other compounds .. .. .	(b)	(b)120	141
Ceylon—			
Kainite .. .. .	100	820	50
Chlorides .. .. .	6,259	7,990	7,020
Nitrate of potash refuse .. .. .	1,073	1,347	1,148
Sulphate .. .. .	151	150	200
Hong Kong (total imports)—			
Nitrate .. .. .	496	1,507	714
Chlorate .. .. .	1,075	2,499	1,139
Palestine—			
Fertilizer salts .. .. .	424	1,074	295
Chlorate .. .. .	94	166	108
Australia—			
Bichromate .. .. .	73	77	92
Carbonate .. .. .	310	433	553
Caustic potash .. .. .	366	422	422
Chlorate .. .. .	633	700	808
Cyanides, including sodium cyanides .. .. .	2,809	3,602	4,145
Nitrate .. .. .	335	310	381
Other compounds .. .. .	3,451	286	315
New Zealand—			
Kainite .. .. .	873	628	388
Other fertilizer salts .. .. .	7,674	13,384	14,081
Chlorate .. .. .	117	175	190
Chloride .. .. .	202	157	344
Nitrate .. .. .	75	66	64
Sulphate .. .. .	801	1,155	991
Other compounds (£. N.Z.) .. .. .	(£8,011)	(£9,856)	(a)

(a) Information not available.

(b) Included with India prior to April 1, 1937.

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Albania—			
Carbonate .. .. .	—	—	56
Austria—			
Fertilizer salts .. .. .	20,261	20,617	8,110
Carbonate .. .. .	90	83	24
Caustic potash .. .. .	346	9	4
Chloride .. .. .	1,798	2,756	143
Chromates .. .. .	28	69	8
Sulphate .. .. .	74	100	59
Belgium-Luxemburg E.U.—			
Fertilizer salts .. .. .	172,995	243,874	394,597
Carbonate .. .. .	765	1,264	1,272
Caustic potash and lyes .. .. .	3,513	2,758	2,261
Chlorate .. .. .	1,122	1,230	927
Chloride .. .. .	285,513	271,841	254,697
Chromates, including those of sodium .. .. .	1,020	684	449
Manganate and permanganate .. .. .	100	143	136
Nitrate .. .. .	2,173	1,691	1,540
Sulphate .. .. .	1,987	1,189	2,864
Bulgaria—			
Carbonate .. .. .	3	4	4
Caustic potash .. .. .	19	17	29
Chloride .. .. .	30	47	34
Chromates .. .. .	45	54	67
Nitrate .. .. .	60	125	118
Czecho-Slovakia—			
Kainite .. .. .	28,263	24,151	23,522
Fertilizer salts (18-24% K <sub>2</sub> O) .. .. .	—	2	—
do. do. (38-44% K <sub>2</sub> O) .. .. .	51,956	59,613	60,239
do. do. (other) .. .. .	152	155	1,914
Carbonate and nitrate .. .. .	10	3	2
Chloride .. .. .	4,328	7,330	2,615
Sulphate .. .. .	389	644	775
Denmark—			
Fertilizer salts (20% K <sub>2</sub> O or less) .. .. .	—	133	} 104,296
do. do. (37%-40% K <sub>2</sub> O) .. .. .	89,223	87,532	
do. do. (other) .. .. .	322	163	
Carbonate .. .. .	895	661	(a)
Caustic potash .. .. .	2,858	2,433	2,848
Chlorate .. .. .	186	150	(a)
Chloride .. .. .	827	939	(a)
Chromates .. .. .	19	20	(a)
Nitrate .. .. .	470	304	590
Sulphate .. .. .	5	8	(a)

(a) Information not available.

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Estonia—			
Fertilizer salts .. .. .	4,306	5,661	10,255
Carbonate .. .. .	51	40	55
Chlorate .. .. .	38	36	37
Nitrate .. .. .	34	38	41
Finland (total imports)—			
Fertilizer salts .. .. .	30,104	41,223	40,338
Carbonate .. .. .	288	380	172
Caustic potash .. .. .	50	52	52
Chlorate .. .. .	50	20	1
Chloride .. .. .	771	771	1,468
Chromates .. .. .	168	193	114
Nitrate .. .. .	83	65	45
Sulphate .. .. .	23	39	68
France—			
Carbonate .. .. .	605	293	60
Caustic potash .. .. .	42	29	27
Chlorate .. .. .	—	1	—
Chromate and bichromate ..	203	70	15
Chloride .. .. .	46	6	—
Sulphate .. .. .	3,307	6,184	1,568
Germany—			
Carbonate and wool grease ash ..	3	—	52
Caustic potash .. .. .	204	218	154
Chlorate .. .. .	7	30	16
Manganates .. .. .	117	63	44
Nitrate .. .. .	—	2	11
Greece—			
Carbonate .. .. .	462	450	558
Caustic potash .. .. .	33	17	38
Nitrate .. .. .	64	245	128
Hungary—			
Fertilizer salts .. .. .	1,149	1,593	1,712
Carbonate .. .. .	—	1	—
Caustic potash .. .. .	400	473	252
Iceland—			
Fertilizer salts .. .. .	25	44	(a)
Carbonate .. .. .	7	13	(a)
Caustic potash .. .. .	46	42	(a)
Nitrate .. .. .	7	8	(a)

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy—			
Fertilizer salts .. .. .	19,697	41,129	44,095
Carbonate .. .. .	216	847	648
Caustic potash .. .. .	1,067	1,195	1,138
Chlorate .. .. .	2	99	6
Nitrate .. .. .	845	575	160
Latvia—			
Fertilizer salts .. .. .	12,244	22,144	22,670
Carbonate .. .. .	94	111	127
Caustic potash .. .. .	107	163	144
Chlorate .. .. .	37	48	63
Chloride .. .. .	—	—	197
Chromates .. .. .	32	45	42
Nitrate .. .. .	50	52	72
Sulphate .. .. .	12	13	1
Lithuania—			
Kainite, etc. .. .. .	—	275	499
Fertilizer salts (20–40% K <sub>2</sub> O) ..	2,657	3,674	5,601
do. (other) .. .. .	47	17	22
Nitrate .. .. .	46	62	6
Netherlands—			
Kainite .. .. .	7,534	6,372	9,016
Fertilizer salts (20% K <sub>2</sub> O) ..	186,969	167,884	175,297
do. (40% K <sub>2</sub> O) .. .. .	116,504	138,711	189,615
Caustic potash .. .. .	786	377	301
Chloride .. .. .	4,284	6,307	6,352
Nitrate .. .. .	718	2,690	2,699
Sulphate .. .. .	10,388	5,133	10,863
Patent potash .. .. .	39,382	39,521	43,116
Norway—			
Fertilizer salts .. .. .	31,605	39,866	26,198
Carbonate .. .. .	502	547	491
Caustic potash and lyes .. .. .	1,803	1,673	1,792
Chloride .. .. .	2,208	1,569	23,980
Nitrate .. .. .	133	166	158
Poland—			
Fertilizer salts .. .. .	16	25	40
Carbonate .. .. .	137	76	66
Caustic potash .. .. .	143	87	37
Chlorate .. .. .	16	1	1
Chloride .. .. .	311	1	1
Sulphate .. .. .	430	562	545

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Portugal—			
Kainite, etc. .. .. .	39	30	(a)
Carbonate .. .. .	44	46	(a)
Caustic potash .. .. .	10	18	(a)
Chlorate .. .. .	98	152	(a)
Chloride .. .. .	1,569	2,101	(a)
Chromate .. .. .	46	40	(a)
Nitrate .. .. .	80	127	(a)
Sulphate .. .. .	1,600	2,439	(a)
Roumania—			
Fertilizer salts .. .. .	60	162	(a)
Carbonate .. .. .	125	100	112
Caustic potash .. .. .	110	111	142
Chlorate .. .. .	5	6	(a)
Nitrate .. .. .	80	138	191
Sweden—			
Fertilizer salts (20% K <sub>2</sub> O) .. .. .	19,558	18,125	19,520
do. (40% K <sub>2</sub> O) .. .. .	73,876	80,322	99,145
do. (other) .. .. .	2,634	1,094	1,411
Carbonate .. .. .	1,559	1,513	1,560
Caustic potash .. .. .	3,384	3,323	3,554
Chloride .. .. .	6,165	8,207	11,196
Nitrate .. .. .	553	582	536
Switzerland—			
Fertilizer salts .. .. .	29,782	25,141	26,871
Carbonate .. .. .	505	325	390
Caustic potash .. .. .	2,030	1,492	1,649
Chloride .. .. .	1,858	1,736	2,616
Nitrate, crude .. .. .	3	—	—
Nitrate purified, including sodium nitrate .. .. .	912	1,568	1,398
Yugoslavia—			
Fertilizer salts .. .. .	1,448	2,151	1,988
Carbonate .. .. .	25	191	102
Caustic potash .. .. .	92	104	69
Chromates .. .. .	—	3	32
Nitrate .. .. .	42	14	13
Algeria—			
Fertilizer salts .. .. .	342	1,278	2,253
Carbonate .. .. .	77	10	9
Caustic potash .. .. .	33	34	25
Nitrate .. .. .	261	198	189
Sulphate .. .. .	4,321	6,789	11,515

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Fertilizer salts .. .. .	1,771	1,188	591
Carbonate .. .. .	4	38	72
Caustic potash .. .. .	62	29	58
Chlorate .. .. .	98	102	85
Chromates, including those of sodium .. .. .	343	439	376
Manganates .. .. .	18	15	20
French West Africa—			
Fertilizer salts .. .. .	2,586	337	193
Madagascar—			
Chloride .. .. .	68	143	18
Nitrate .. .. .	286	197	106
Sulphate .. .. .	212	176	252
Morocco (French)—			
Kainite, sylvinite, etc. .. .. .	508	1,219	(a)
Sulphate .. .. .	1,517	1,865	(a)
Other fertilizer salts .. .. .		998	(a)
Carbonate .. .. .		12	(a)
Caustic potash .. .. .		153	(a)
Nitrate .. .. .		—	35
Mozambique—			
Carbonate .. .. .	6	3	(a)
Tunis—			
Carbonate .. .. .	35	62	23
Caustic potash .. .. .	7	6	13
Chlorate .. .. .	3	1	4
Chloride .. .. .	2,509	2,650	4,798
Nitrate .. .. .	22	42	92
Sulphate .. .. .	20	282	207
Cuba—			
Fertilizer salts .. .. .	1,778	2,293	(a)
Carbonate .. .. .	4,240	2,953	(a)
Chlorate .. .. .	—	105	(a)
Guatemala—			
Caustic potash .. .. .	87	48	67
Nitrate .. .. .	53	—	—
Mexico—			
Nitrate, including nitrate of soda	3,398	9,886	7,390
United States—			
Kainite .. .. .	52,940	116,094	53,762
Fertilizer salts .. .. .	34,869	40,097	8,187
Carbonate .. .. .	1,246	703	260
Caustic potash .. .. .	1,380	1,015	434
Chlorates .. .. .	6,228	6,210	6,115
Chloride .. .. .	208,040	371,608	198,003

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Cyanide .. .. .	45	38	37
Nitrate .. .. .	59,960	71,168	52,805
Sulphate .. .. .	65,344	103,633	65,190
Argentina—			
Bichromate .. .. .	106	193	76
Carbonate .. .. .	251	118	134
Caustic potash .. .. .	122	101	184
Chlorate .. .. .	298	413	355
Cyanide .. .. .	20	19	24
Nitrate .. .. .	125	161	152
Sulphate .. .. .	22	20	4
Brazil (total imports)—			
Caustic potash .. .. .	41	82	82
Nitrates of potash and soda .. .. .	5,559	10,032	7,767
Potash and soda ash .. .. .	18,650	24,262	20,775
Chile—			
Bichromate .. .. .	65	48	(a)
Carbonate .. .. .	27	34	(a)
Caustic potash .. .. .	69	52	(a)
Chlorate .. .. .	75	86	(a)
Nitrate .. .. .	1	—	(a)
Colombia—			
Carbonate .. .. .	2	12	2
Caustic potash .. .. .	4	24	10
Chlorate .. .. .	97	126	103
Nitrate .. .. .	53	188	430
Sulphate .. .. .	27	67	50
Peru—			
Caustic potash .. .. .	15	7	11
Uruguay—			
Nitrate, including nitrate of soda	132	277	163
Carbonate .. .. .	5	8	8
Caustic potash .. .. .	34	21	20
Venezuela—			
Carbonate .. .. .	2	14	(a)
Caustic potash .. .. .	4	6	(a)
Chlorate .. .. .	—	19	(a)
Nitrate .. .. .	81	81	(a)
China—			
Carbonate .. .. .	48	34	21
Caustic potash .. .. .	42	67	41
Bichromate .. .. .	270	229	193
Chlorate .. .. .	4,290	3,845	2,411
Nitrate .. .. .	264	902	356

(a) Information not available.



## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Formosa—			
Chloride .. .. .	531	(a)	(a)
Sulphate .. .. .	4,084	(a)	(a)
French Indo-China—			
Carbonate .. .. .	1	6	4
Caustic potash .. .. .	5	5	14
Chlorate .. .. .	218	318	1,769
Chloride .. .. .	970	1,392	342
Nitrate .. .. .	49	95	120
Sulphate .. .. .	103	441	1,271
Japan (total imports)—			
Bichromate .. .. .	29	—	—
Caustic potash .. .. .	276	640	590
Chlorate .. .. .	303	108	—
Chloride .. .. .	77,677	109,411	56,718
Cyanide, including sodium cyanide	355	379	25
Sulphate .. .. .	70,494	137,892	110,610
Permanganate .. .. .	105	49	—
Manchuria—			
Chlorate .. .. .	420	657	429
Netherlands East Indies—			
Fertilizer salts .. .. .	1,482	4,287	4,500
Caustic potash .. .. .	47	69	(a)
Nitrate .. .. .	163	408	(a)
Philippine Islands—			
Chlorate .. .. .	152	154	165
Nitrate .. .. .	(a)	(a)	8
Sulphate .. .. .	955	570	285
Syria and Lebanon—			
Fertilizer salts .. .. .	1,139	546	303
Caustic potash .. .. .	—	46	1
Chloride .. .. .	74	—	—
Turkey—			
Carbonate .. .. .	664	786	739
Caustic potash .. .. .	19	30	25

(a) Information not available.

## PYRITES

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

Producing Country.	1936	1937	1938	Estimated Sulphur Content.		
				1936	1937	1938
BRITISH EMPIRE						
United Kingdom ..	4,623	4,627	4,282	(a)	(a)	(a)
Southern Rhodesia	19,140	20,020	26,638	7,700	8,000	10,700
Union of South Africa ..	24,146	28,378	30,528	10,978	12,727	13,727
Canada (c) ..	113,582	106,659	39,825	56,400	53,733	19,979
Cyprus .. ..	525,227	796,196	763,595	262,614	398,098	381,798
Australia .. ..	33,711	40,630	50,277	(a)	(a)	(a)
Total ..	720,000	964,000	915,000			
FOREIGN COUNTRIES						
Czecho-Slovakia ..	18,783	18,071	(a)	7,891	7,590	(a)
Finland (b) ..	77,477	89,969	101,353	34,900	40,500	45,600
France .. ..	144,570	143,604	144,883	65,371	64,000	65,000
Germany .. ..	280,947	417,354	410,000	120,288	176,672	173,000
Greece .. ..	204,764	203,386	(a)	99,435	98,709	(a)
Italy .. ..	851,736	900,080	915,619	396,599	420,000	430,000
Norway .. ..	1,015,529	1,031,744	994,000	448,953	445,557	427,000
Poland .. ..	37,508	80,963	90,753	16,100	34,800	39,000
Portugal .. ..	238,791	594,590	549,509	112,000	279,500	258,300

\* See also Sulphur (page 393).

(a) Information not available.

(b) Pyrite concentrate only.

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

PRODUCTION OF PYRITES (*Cont.*)

Producing Country.	1936	1937	1938	Estimated Sulphur Content.		
				1936	1937	1938
FOREIGN COUNTRIES						
<i>(Cont.)</i>						
Roumania . . . . .	9,841	10,548	11,028	6,189	6,611	6,950
Sweden . . . . .	132,086	170,236	183,446	56,114	74,147	83,013
Yugoslavia . . . . .	78,494	131,922	148,027	36,500	59,400	66,600
Algeria . . . . .	19,650	38,148	43,256	8,980	16,786	20,260
United States ( <i>b</i> ) . . . . .	547,236	584,166	555,629	216,592	231,800	218,900
Japan . . . . .	1,665,891	( <i>a</i> )	( <i>a</i> )	750,000	( <i>a</i> )	( <i>a</i> )
Korea . . . . .	76,804	77,250	( <i>a</i> )	( <i>a</i> )	( <i>a</i> )	( <i>a</i> )
Manchuria . . . . .	3,000	( <i>a</i> )	( <i>a</i> )	( <i>a</i> )	( <i>a</i> )	( <i>a</i> )

Pyrites is also produced in Belgium, Spain, U.S.S.R. and China.

(*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.

EXPORTS OF PYRITES  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Iron-pyrites and cupreous pyrites	240	5,480	2,114
Southern Rhodesia—			
Iron pyrites .. .. .	12,625	14,368	13,358
Canada—			
Pyrites ( <i>S content</i> ) .. .. .	46,600	41,354	19,740
Cyprus—			
Cupreous pyrites .. .. .	220,367	388,835	515,303
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. .. .. .	13,060	6,197	22,159
France .. .. .	16,404	5,969	16,600
Germany—			
Pyrites, etc. .. .. .	26,402	38,369	24,713
Greece .. .. .	128,802	191,052	199,044
Italy .. .. .	158,880	199,306	91,799
Netherlands .. .. .	(b) 7,756	59	180
Norway—			
Iron-pyrites .. .. .	396,917	372,314	391,817
Cupreous pyrites .. .. .	337,364	293,536	252,792
Portugal—			
Cupreous pyrites .. .. .	340,699	500,252	449,572
Roumania .. .. .	7,514	18,519	(a)
Spain .. .. .	(a)	2,200,000	(a)
Sweden .. .. .	19,757	38,977	34,653
Yugoslavia .. .. .	68,222	123,659	130,840
Algeria .. .. .	—	4,331	—
Morocco (French) .. .. .	—	223	(a)
Korea .. .. .	—	—	6,951

(a) Information not available.

(b) Including re-exports.

## IMPORTS OF PYRITES

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Iron and cupreous pyrites ..	311,085	399,441	401,358
Eire .. .. .	33,844	39,872	30,601
FOREIGN COUNTRIES			
Austria .. .. .	59,746	77,432	81,666
Belgium-Luxemburg E.U. .. ..	170,211	207,512	254,934
Czecho-Slovakia .. .. .	164,195	187,379	173,863
Denmark .. .. .	111,209	128,301	87,446
France .. .. .	517,101	527,357	423,697
Germany—			
Pyrites, etc. .. .. .	1,026,295	1,441,311	1,408,308
Hungary .. .. .	38,614	41,880	(a)
Italy—			
Iron-pyrites .. .. .	—	25,187	14,591
Cupreous pyrites .. .. .	2,703	963	4,889
Latvia .. .. .	18,325	27,357	33,337
Lithuania .. .. .	17,661	33,535	22,232
Netherlands .. .. .	285,866	356,014	355,600
Poland .. .. .	29,715	24,946	8,849
Sweden .. .. .	200,033	203,279	235,441
Yugoslavia .. .. .	3,235	510	36
Algeria .. .. .	—	—	49
Morocco (French) .. .. .	4,880	3,760	(a)
United States .. .. .	429,313	524,430	334,234

(a) Information not available.

## QUICKSILVER

### PRODUCTION OF QUICKSILVER (Lb.)

Producing Country.	1936	1937	1938
BRITISH EMPIRE.			
Canada .. .. .	—	—	760
Australia .. .. .	5,911	710	—
New Zealand .. .. .	—	1,344	760
FOREIGN COUNTRIES			
Austria .. .. .	220	10,192	(a)
Czecho-Slovakia .. .. .	142,546	208,989	220,000
Italy .. .. .	3,247,620	4,868,000	5,073,000
Roumania .. .. .	179	293	(a)
Spain (b) .. .. .	3,220,000	3,200,000	3,200,000
Algeria .. .. .	8,823	9,429	15,252
Tunis .. .. .	5,470	1,911	20,536
Mexico .. .. .	403,355	375,132	647,460
United States .. .. .	1,259,244	1,254,608	1,367,316
Bolivia (exports) .. .. .	16,885	1,217	(a)
China (exports) .. .. .	186,928	131,925	4,941
Japan .. .. .	32,571	(c)44,000	(c)45,000
Korea .. .. .	157	—	—
Turkey .. .. .	63,504	37,269	45,408
WORLD'S TOTAL .. .. .	8,600,000	10,100,000	10,600,000

Quicksilver is also produced in Germany and U.S.S.R.

(a) Information not available.

(b) Figures are the amounts imported from Spain by the chief consuming countries.

(c) Estimated.

## EXPORTS OF QUICKSILVER, ETC.

*(Domestic Produce)*

(Lb.)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Quicksilver .. .. .	8,512	6,892	5,210
British Malaya (including re- exports)—			
Quicksilver .. .. .	31	20	50
Hong Kong (including re-exports)—			
Quicksilver .. .. .	60,400	35,700	45,200
Vermilion .. .. .	(£16,077)	(£13,267)	(£6,973)
Australia—			
Quicksilver .. .. .	—	323	361
FOREIGN COUNTRIES			
Austria—			
Quicksilver .. .. .	—	9,700	—
Mercury salts .. .. .	1,100	700	200
Belgium-Luxemburg E.U.—			
Quicksilver .. .. .	16,300	11,200	7,900
Mercury salts .. .. .	5,300	3,700	7,500
Czecho-Slovakia—			
Quicksilver .. .. .	27,800	400	15,700
France—			
Quicksilver .. .. .	6,000	12,800	6,800
Mercury salts .. .. .	16,100	16,100	11,000
Germany—			
Cinnabar .. .. .	50,000	25,400	10,400
Quicksilver and amalgam ..	25,600	12,600	4,000
Mercury salts .. .. .	240,700	164,900	106,900
Italy—			
Quicksilver .. .. .	3,143,100	5,252,500	4,054,700
Chloride of mercury .. .. .	21,200	108,200	48,700
Sulphide of mercury .. .. .	29,800	25,800	21,800
Other mercury salts .. .. .	17,600	80,000	52,500
Netherlands—			
Quicksilver and amalgam ..	2,094	2,646	1,775

EXPORTS OF QUICKSILVER, ETC. (*Cont.*,

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Spain—			
Quicksilver ( <i>b</i> ) .. .. .	3,220,000	3,200,000	3,200,000
Sweden—			
Quicksilver .. .. .	289	893	498
Switzerland—			
Quicksilver .. .. .	1,027	432	7,661
U.S.S.R.—			
Quicksilver .. .. .	8,800	( <i>a</i> )	( <i>a</i> )
Algeria—			
Quicksilver .. .. .	10,600	21,200	30,900
Mexico—			
Quicksilver .. .. .	379,047	350,330	628,835
United States—			
Quicksilver .. .. .	19,980	34,485	54,161
Bolivia—			
Quicksilver .. .. .	16,885	1,217	( <i>a</i> )
China—			
Quicksilver .. .. .	186,928	131,925	4,941
Vermilion .. .. .	5,860	1,060	1,219
Korea—			
Ore .. .. .	179,000	143,000	216,000
Turkey—			
Quicksilver .. .. .	53,319	44,480	39,930
Sulphide of mercury .. .. .	1,900	—	—

(*a*) Information not available.

(*b*) Amounts imported from Spain by the chief consuming countries.



## IMPORTS OF QUICKSILVER, ETC.

*(Less Re-exports)*

(Lb.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Quicksilver .. .. .	1,284,155	1,654,348	2,187,385
Southern Rhodesia—			
Quicksilver .. .. .	40,857	39,622	36,683
Tanganyika—			
Quicksilver .. .. .	2,372	1,681	2,324
Union of South Africa—			
Quicksilver .. .. .	86,730	69,684	46,610
Canada—			
Quicksilver .. .. .	78,781	394,354	49,584
Mercury salts .. .. .	(£949)	(£1,960)	(£1,031)
British Guiana—			
Quicksilver .. .. .	1,893	3,836	1,549
British India—			
Quicksilver .. .. .	53,076	235,706	155,309
British Malaya (total imports)—			
Quicksilver .. .. .	3,239	2,634	2,819
Burma—			
Quicksilver .. .. .	(b)	(b)9,633	7,793
Hong Kong (total imports)—			
Quicksilver .. .. .	160,400	141,200	131,700
Vermilion .. .. .	(£1,777)	(£1,820)	(£706)
Australia—			
Quicksilver .. .. .	73,894	80,658	61,160
Mercury salts .. .. .	17,527	17,262	24,766
New Zealand—			
Quicksilver .. .. .	5,318	3,278	3,520
FOREIGN COUNTRIES			
Albania—			
Quicksilver .. .. .	293	531	234
Austria—			
Quicksilver .. .. .	26,700	65,900	19,000
Mercury salts .. .. .	8,800	4,600	7,300
Belgium-Luxemburg E.U.—			
Quicksilver .. .. .	139,300	162,000	174,400
Sulphide of mercury .. .. .	2,900	4,200	2,400
Mercury salts .. .. .	11,200	10,600	11,200
Bulgaria—			
Quicksilver .. .. .	2,676	2,200	4,486

(b) Included with India prior to April 1, 1937.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Quicksilver .. .. .	—	4,900	7,100
Denmark—			
Quicksilver .. .. .	10,400	4,900	(a)
Estonia—			
Quicksilver .. .. .	1,106	1,089	1,153
Mercury salts .. .. .	1,468	1,393	1,733
Finland (total imports)—			
Cinnabar .. .. .	1,914	5,494	6,878
Quicksilver and amalgam ..	89,009	33,797	88,370
France—			
Quicksilver .. .. .	445,600	401,000	321,000
Mercury salts .. .. .	29,800	53,100	26,200
Germany—			
Cinnabar .. .. .	200	—	200
Quicksilver and amalgam ..	1,517,400	1,968,100	2,498,900
Mercury salts .. .. .	21,200	1,500	400
Greece—			
Quicksilver .. .. .	3,102	12,377	13,565
Hungary—			
Quicksilver .. .. .	63,500	16,300	(a)
Italy—			
Mercury salts .. .. .	2,000	1,300	700
Latvia—			
Quicksilver .. .. .	1,830	1,676	2,247
Mercury salts .. .. .	2,447	2,782	1,163
Lithuania—			
Quicksilver .. .. .	900	5,512	1,300
Netherlands—			
Quicksilver and amalgam ..	18,653	103,921	83,857
Norway—			
Quicksilver .. .. .	4,694	4,586	3,527
Poland—			
Quicksilver .. .. .	39,500	64,800	102,500
Mercury salts .. .. .	26,500	17,000	19,200
Portugal—			
Quicksilver .. .. .	9,050	58,187	(a)
Mercury salts .. .. .	121,169	15,318	(a)
Roumania—			
Quicksilver .. .. .	34,388	25,666	32,005
Mercury salts .. .. .	23,241	18,422	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Quicksilver .. .. .	82,327	96,558	216,362
Switzerland—			
Quicksilver .. .. .	46,440	51,789	41,427
U.S.S.R.—			
Quicksilver .. .. .	44,100	(a)	(a)
Yugoslavia—			
Quicksilver and amalgam ..	34,690	45,276	10,703
Mercury salts .. .. .	14,517	17,088	15,670
Algeria—			
Quicksilver .. .. .	6,400	400	200
Egypt—			
Quicksilver .. .. .	2,906	4,766	4,376
Madagascar—			
Quicksilver .. .. .	29	157	(a)
Morocco (French)—			
Quicksilver .. .. .	2,698	3,929	(a)
Mozambique—			
Quicksilver .. .. .	776	152	(a)
Tunis—			
Quicksilver .. .. .	700	700	400
Mercury sulphide .. .. .	200	200	—
Costa Rica—			
Quicksilver .. .. .	(a)	(a)	2,500
Cuba (total imports)			
Quicksilver .. .. .	3,574	1,155	(a)
Guatemala—			
Quicksilver .. .. .	150	276	425
United States—			
Quicksilver .. .. .	1,374,652	1,437,712	179,522
Mercury salts .. .. .	1,334	78,284	13,062
Argentina—			
Quicksilver .. .. .	22,101	25,139	28,135
Mercury salts .. .. .	19,568	15,049	9,162
Bolivia—			
Quicksilver .. .. .	(a)	159	(a)
Brazil (total imports)—			
Quicksilver .. .. .	22,077	19,800	12,846
Chile—			
Quicksilver .. .. .	15,007	17,335	(a)
Mercury salts .. .. .	4,555	3,788	(a)

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Quicksilver .. .. .	19,701	16,149	21,515
Mercury salts .. .. .	5,614	6,140	2,923
Dutch Guiana—			
Quicksilver .. .. .	1,129	999	(a)
French Guiana—			
Quicksilver .. .. .	2,000	7,100	(a)
Peru—			
Quicksilver .. .. .	8,616	8,971	1,975
Mercury salts .. .. .	1,614	1,451	1,149
Uruguay—			
Quicksilver .. .. .	1,204	2,238	888
Venezuela—			
Quicksilver .. .. .	859	2,538	(a)
Mercury salts .. .. .	805	(a)	(a)
China—			
Cinnabar .. .. .	7,013	6,753	8,186
Quicksilver .. .. .	41,747	31,960	32,174
Vermilion (b) .. .. .	43,539	14,584	11,343
Formosa—			
Vermilion and cinnabar .. .. .	10,744	9,541	(a)
French Indo-China—			
Cinnabar .. .. .	5,700	2,000	2,600
Quicksilver .. .. .	2,600	5,100	4,400
Sulphide of mercury .. .. .	9,300	12,100	7,700
Iran (total imports) (c)—			
Quicksilver .. .. .	—	—	4,890
Japan (total imports)—			
Quicksilver .. .. .	1,128,723	(a)	(a)
Korea (total imports)—			
Quicksilver .. .. .	85,762	(a)	(a)
Manchuria—			
Quicksilver .. .. .	(a)	(a)	46,659
Vermilion .. .. .	73,399	85,119	37,064
Netherlands East Indies—			
Quicksilver .. .. .	15,503	22,827	(a)
Syria and Lebanon—			
Quicksilver .. .. .	22	789	476
Turkey—			
Quicksilver .. .. .	536	705	1,717
Mercury salts .. .. .	6,177	11,195	24,004

(a) Information not available.

(b) Imports of artificial vermilion amounted to 662,639 lb., 612,237 lb. and 173,848 lb. during 1936, 1937 and 1938, respectively.

(c) Years ended June 21.

## SALT

## PRODUCTION OF SALT

(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
Great Britain—			
Rock-salt .. .. .	17,291	18,371	19,658
Brine-salt .. .. .	2,800,297	3,052,518	2,610,048
Northern Ireland—			
Rock-salt .. .. .	3,125	4,187	2,325
Brine-salt .. .. .	12,103	8,679	5,666
Malta .. .. .	1,900	1,800	1,800
Mauritius (estimated)—			
Sea-salt .. .. .	1,500	1,500	1,500
Nigeria (estimated) .. .. .	400	400	400
Somaliland (exports)—			
Sea-salt .. .. .	1,485	935	347
South West Africa .. .. .	3,762	4,048	4,991
Anglo-Egyptian Sudan .. .. .	26,600	34,007	(a)
Kenya .. .. .	(a)	(a)	3,199
Tanganyika Territory .. .. .	8,439	8,585	10,006
Uganda .. .. .	3,351	3,084	3,119
Union of South Africa (b) .. .. .	96,358	(a)	(a)
Canada .. .. .	349,873	409,426	392,897
British West Indies (exports)—			
Sea-salt—			
Bahamas .. .. .	—	4,924	4,754
Turks and Caicos Islands .. .. .	41,237	50,030	35,016
Aden .. .. .	355,394	355,166	278,047
Burma .. .. .	32,272	53,813	38,698
Ceylon .. .. .	39,696	38,202	35,914
Cyprus (estimated) .. .. .	3,000	3,000	3,000
India—			
Rock-salt .. .. .	172,255	187,100	188,372
Other salt .. .. .	1,175,967	1,305,921	1,351,291
Palestine—			
Rock-salt .. .. .	743	716	437
Sea-salt .. .. .	7,931	11,532	7,938
Australia—			
Western Australia .. .. .	4,227	3,670	3,789
South Australia .. .. .	66,326	73,558	74,812
Total* .. .. .	5,200,000	5,700,000	5,200,000

\* See page 372.

(a) Information not available.

(b) Years ended June 30.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Rock-salt .. .. .	700	894	(a)
Brine-salt .. .. .	188,273	167,200	(a)
Belgium (estimated)—			
Brine-salt .. .. .	} 30,000	30,000	{ 6,000
Sea-salt .. .. .			
Bulgaria—			
Brine-salt .. .. .	6,662	9,591	10,080
Sea-salt, etc. .. .. .	40,000	42,914	76,519
Czecho-Slovakia—			
Rock-salt .. .. .	164,934	158,042	} 171,000
Brine-salt .. .. .	4,986	5,235	
France—			
Rock-salt and brine-salt .. .. .	1,684,036	1,818,000	1,244,260
Sea-salt .. .. .	198,849	483,151	340,580
Germany—			
Rock-salt .. .. .	2,346,176	2,713,687	(a)
Brine-salt .. .. .	565,416	598,441	(a)
Greece—			
Sea-salt .. .. .	73,271	100,669	100,445
Italy—			
Rock-salt and brine-salt .. .. .	491,904	594,262	604,175
Sea-salt .. .. .	756,389	935,761	869,468
Netherlands (sales) .. .. .	75,066	130,338	161,672
Poland—			
Rock-salt .. .. .	240,951	254,729	262,123
Brine-salt, etc. .. .. .	218,205	289,232	370,312
Portugal—			
Rock-salt .. .. .	29	46	37
Sea-salt (exports) .. .. .	72,776	4,550	6,000
Roumania—			
Rock-salt .. .. .	278,913	304,004	346,167
Sea-salt .. .. .	1,722	2,044	1,813
Switzerland .. .. .	79,895	90,516	(a)
U.S.S.R. .. .. .	4,280,000	(a)	(a)
Yugoslavia—			
Rock-salt .. .. .	44,491	45,590	51,802
Sea-salt .. .. .	17,822	14,000	21,000
Algeria—			
Rock-salt and sea-salt .. .. .	61,400	62,784	73,449

(a) Information not available.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Abyssinia (estimated) .. ..	10,000	10,000	10,000
Angola (estimated) .. ..	30,000	30,000	30,000
Belgian Congo .. ..	905	988	997
Canary Islands (estimated) .. ..	2,000	2,500	2,500
Cape Verde Islands (exports) .. ..	(a)	(a)	31,750
Egypt (exports) .. ..	233,817	272,364	280,448
Eritrea .. ..	148,739	(a)	(a)
French Somaliland (exports) .. ..	21,638	83,926	(a)
French West Africa (exports) .. ..	736	633	50
Morocco (French)—			
Rock-salt .. ..	801	11,030	660
Mozambique—			
Sea-salt .. ..	2,480	(a)	6,346
Tripoli (estimated) .. ..	22,000	22,000	22,000
Tunis (sea-salt) .. ..	127,000	127,659	127,245
Mexico .. ..	100,023	81,567	106,000
Netherlands West Indies .. ..	1,557	3,937	1,981
Panama—			
Sea-salt .. ..	4,316	6,789	3,279
United States—			
Rock-salt .. ..	1,794,267	1,812,886	1,698,090
Brine-salt .. ..	3,821,214	4,135,339	3,298,935
Evaporated salt .. ..	2,267,497	2,303,171	2,168,839
Cuba (sea-salt) .. ..	32,892	34,436	34,661
Argentina—			
Rock-salt .. ..	590	640	(a)
Brine-salt .. ..	242,925	284,863	(a)
Brazil .. ..	486,315	696,290	(a)
Chile (sea-salt) .. ..	46,486	21,600	36,118
Colombia—			
Rock-salt .. ..	5,483	4,145	3,947
Brine-salt (estimated) .. ..	52,165	51,700	53,992
Sea-salt .. ..	18,639	21,937	23,104
Costa Rica .. ..	3,500	3,500	3,500
Ecuador (sea-salt) .. ..	16,368	12,500	(a)
Guatemala—			
Rock salt .. ..	(a)	3,967	2,895
Sea salt .. ..	7,926	8,443	7,404
Peru .. ..	35,539	38,394	(a)
Venezuela .. ..	24,731	25,883	22,300
China (estimated) .. ..	2,900,000	3,000,000	3,000,000

(a) Information not available.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1936	1937	1938		
FOREIGN COUNTRIES (Cont.)					
Formosa (years ended Mar. 31)—					
Sea-salt (sun-dried) .. .. .	167,791	181,084	(a)		
do. (other) .. .. .	18,988	25,342	(a)		
French Indo-China .. .. .	189,200	190,500	190,000		
Iraq—					
Brine-salt .. .. .	2,760	1,781	1,871		
Sea-salt .. .. .	—	—	5,911		
Japan (b) .. .. .	510,663	527,312	(a)		
Korea .. .. .	136,000	136,000	136,000		
Kwantung .. .. .	406,560	422,410	440,000		
Manchuria .. .. .	465,838	395,119	219,000		
Netherlands East Indies—					
Government production .. .. .	89,755	57,904	73,236		
Native production .. .. .	15,996	16,679	(a)		
Philippine Islands .. .. .	52,626	48,132	(a)		
Portuguese India .. .. .	100,092	25,683	29,061		
Siam (c) .. .. .	130,800	153,800	152,500		
Syria (estimated) .. .. .	7,000	10,000	(a)		
Turkey—					
Rock-salt .. .. .	} 217,000	{ 18,149	18,193		
Brine-salt, etc. .. .. .				{ 62,935	52,941
Sea-salt .. .. .					
Total* .. .. .	27,000,000	29,000,000	27,000,000		
WORLD'S TOTAL* .. .. .	32,000,000	35,000,000	32,000,000		

\* Salt is also produced in many countries for which statistics are not available, *e.g.*, Gold Coast, Spain, Bolivia.

(a) Information not available.

(b) 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.

(c) Years ended March 31 following.



## EXPORTS OF SALT

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	7,890	10,156	9,585
Other salt .. .. .	272,147	260,529	222,834
Anglo-Egyptian Sudan .. .. .	30,007	15,615	3,864
Gold Coast .. .. .	7	27	113
Kenya and Uganda .. .. .	266	432	548
Somaliland Protectorate—			
Sea-salt .. .. .	1,485	935	347
Southern Rhodesia .. .. .	46	78	133
Tanganyika Territory .. .. .	3,448	4,254	4,146
Union of South Africa .. .. .	6,851	7,449	7,113
Canada .. .. .	4,955	8,330	10,575
British West Indies—			
Bahamas (b) .. .. .	—	4,924	4,754
Leeward Islands .. .. .	(£2,092)	(£2,018)	(£2,591)
Turks and Caicos Islands (b) .. .. .	41,237	50,030	35,016
Aden (including re-exports) .. .. .	321,059	363,664	243,073
British India (c) .. .. .	62,855	62,211	65,274
British Malaya (including re-exports)	6,518	5,984	5,548
Ceylon .. .. .	1	16	7
Hong Kong (including re-exports) ..	2,805	8,329	31,914
Australia—			
Rock-salt .. .. .	1,056	5	5
Refined salt (£ Australian) .. .. .	(£201)	(£317)	(£357)
Other salt .. .. .	15,065	13,440	15,888
FOREIGN COUNTRIES			
Austria .. .. .	15,443	6,792	18,416
Belgium-Luxemburg E.U.—			
Common salt .. .. .	1,287	1,121	1,464
Refined salt .. .. .	3,166	2,605	730

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

(c) Includes trade by land as recorded.

## EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Czecho-Slovakia—			
Refined salt, etc. . . . .	2	3	1
Denmark—			
Refined salt, etc. . . . .	19	11	(a)
France . . . . .	129,577	88,801	92,745
Germany—			
Rock-salt, sea-salt, etc. . . . .	777,484	913,229	772,575
Greece . . . . .	34,985	20,619	19,743
Italy—			
Rock-salt and sea-salt . . . . .	65,471	207,429	267,839
Latvia . . . . .	—	1	1
Netherlands—			
Rock-salt and sea-salt . . . . .	6	24	38
Refined salt and waste . . . . .	34,244	68,728	91,779
Norway . . . . .	1	—	—
Poland . . . . .	6,836	12,924	10,835
Portugal . . . . .	72,776	4,550	5,774
Roumania . . . . .	21,313	35,307	74,180
Sweden . . . . .	499	887	1,409
U.S.S.R. . . . .	150,365	174,679	(b) 198,791
Algeria . . . . .	32,335	40,755	42,069
Angola . . . . .	4,872	10,228	4,737
Belgian Congo . . . . .	15	12	10
Cape Verde Islands . . . . .	(a)	(a)	31,750
Egypt—			
Common salt . . . . .	233,817	272,364	280,448
French Somaliland . . . . .	21,638	83,926	(a)
French West Africa . . . . .	736	633	50
Italian East Africa . . . . .	(a)	(a)	150,315
Libya . . . . .	43,771	21,748	11,112
Mozambique . . . . .	1,402	88	497
Morocco (Spanish) . . . . .	693	952	8,220
Tunis (including re-exports)—			
Rock-salt and sea-salt . . . . .	61,651	143,491	92,074
Mexico . . . . .	—	—	89
Netherlands West Indies . . . . .	2,249	2,300	(a)
United States . . . . .	68,727	62,599	60,266
Argentina . . . . .	15,191	18,235	27,071
Brazil . . . . .	127	206	231
Chile . . . . .	3,001	13	2,522
Venezuela . . . . .	—	2	(a)
China . . . . .	307,499	426,144	588,254
Formosa . . . . .	118,065	115,371	(a)
French Indo-China . . . . .	91,408	91,808	67,373

(a) Information not available.

(b) January to September only.

## EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Iran (including re-exports) (b) ..	800	3,562	737
Japan .. .. .	26	51	557
Korea .. .. .	23	23	383
Manchuria—			
Common salt .. .. .	167,977	361,972	238,704
Semi-refined salt .. .. .	203,176	205,396	154,985
Refined salt .. .. .	30,342	26,192	4,693
Philippine Islands .. .. .	70	71	30
Portuguese India .. .. .	(a)	(a)	7,130
Siam (including re-exports) ..	67,730	105,131	95,652
Turkey .. .. .	110,119	102,100	55,793

(a) Information not available.

(b) Years ended June 21.

## IMPORTS OF SALT

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	9,750	12,599	13,543
Other salt .. .. .	36,496	36,521	40,065
Eire—			
Refined salt .. .. .	6,385	4,207	3,351
Other salt .. .. .	27,792	30,925	28,574
Malta—			
Refined salt .. .. .	(£401)	(£567)	(£405)
Other salt .. .. .	—	140	—
Anglo-Egyptian Sudan .. .. .	345	414	301
Gambia .. .. .	670	1,377	248
Gold Coast—			
Refined salt .. .. .	17	20	21
Other salt .. .. .	10,108	5,833	1,592
Kenya and Uganda .. .. .	7,780	8,946	10,050
Mauritius .. .. .	975	51	100
Nigeria .. .. .	57,886	53,827	52,518
Northern Rhodesia .. .. .	1,609	1,947	2,093
Nyasaland .. .. .	2,991	3,519	3,204
Seychelles .. .. .	196	3	240
Sierra Leone .. .. .	3,931	5,027	3,312
South West Africa .. .. .	278	426	298
Southern Rhodesia .. .. .	6,803	8,134	7,460
Tanganyika Territory .. .. .	177	233	166
Union of South Africa—			
Rock-salt .. .. .	331	393	348
Common salt and refined salt .. .. .	1,524	1,460	1,484
Zanzibar .. .. .	940	1,153	1,421
Canada (total imports)—			
Salt for use of fisheries .. .. .	28,542	34,502	34,836
Refined salt .. .. .	38	49	37
Other salt .. .. .	68,673	69,430	61,674
Newfoundland (total imports, years ended June 30)—			
Salt in bulk .. .. .	54,425	37,195	40,849
Refined salt .. .. .	(£2,303)	(£2,709)	(£3,146)
British Honduras .. .. .	317	373	326

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
British West Indies—			
Barbados .. .. .	2,194	2,467	2,005
Bermuda .. .. .	412	214	173
Grenada .. .. .	408	520	502
Jamaica—			
Rock-salt .. .. .	290	335	342
Other salt .. .. .	6,364	7,364	8,739
Leeward Islands .. .. .	(£169)	(£110)	(£122)
St. Lucia—			
Common salt .. .. .	391	518	337
Refined salt .. .. .	11	8	9
St. Vincent—			
Rock-salt .. .. .	400	483	385
Refined salt .. .. .	24	20	17
Trinidad and Tobago—			
Rock-salt .. .. .	316	520	327
Refined salt .. .. .	2,672	3,321	2,668
British Guiana—			
Rock-salt .. .. .	720	437	770
Refined salt, etc. .. .. .	1,049	1,154	1,114
Aden .. .. .	3	3	3
Brunei .. .. .	155	165	(a)
British India .. .. .	387,585	338,958	331,439
British Malaya (total imports)—			
Refined salt .. .. .	49	71	75
Other salt .. .. .	56,594	69,254	61,239
Burma .. .. .	(b)	(b)50,532	36,241
Ceylon—			
Refined salt .. .. .	58	74	72
Other salt .. .. .	29	28	22
Cyprus .. .. .	6	4	36
Hong Kong (total imports) .. .. .	38,326	52,135	51,684
Palestine .. .. .	167	195	153
Sarawak .. .. .	2,839	2,926	2,830
State of North Borneo .. .. .	1,755	2,277	1,899
Australia—			
Rock-salt .. .. .	5,352	5,990	5,579
Refined salt .. .. .	(£24,748)	(£24,439)	(£21,661)
Other salt .. .. .	3,644	3,452	4,312
Fiji .. .. .	707	1,142	553

(b) Included with India prior to April 1, 1937.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
New Guinea (c) (£ Australian) ..	(£1,470)	(£1,570)	(£1,634)
New Zealand .. .. .	37,293	42,836	39,086
Papua (years ended June 30) ..	50	(a)	44
Solomon Islands (b) .. ..	11	13	(a)
Western Samoa (£ N. Z.) .. ..	(£180)	(£405)	59
FOREIGN COUNTRIES			
Austria .. .. .	6,325	6,798	11
Belgium-Luxemburg E.U.—			
Common salt .. .. .	283,567	306,552	285,509
Refined salt .. .. .	64,856	60,720	55,929
Bulgaria—			
Rock-salt .. .. .	21,251	4,130	11,573
Czecho-Slovakia—			
Common salt .. .. .	153,881	185,438	111,128
Refined salt .. .. .	4	5	4
Denmark—			
Rock-salt .. .. .	11,819	11,483	8,674
Refined salt, etc. .. .. .	83,157	81,803	78,393
Estonia .. .. .	27,530	20,203	27,333
Finland (total imports)—			
Common salt .. .. .	88,393	116,434	115,411
France.. .. .	66,475	49,041	68,182
Germany—			
Rock-salt, sea-salt, etc. .. ..	6,257	3,510	12,197
Hungary .. .. .	90,759	87,186	87,143
Iceland—			
Common salt .. .. .	48,876	42,830	(a)
Refined salt .. .. .	52	67	(a)
Italy—			
Rock-salt and sea-salt .. ..	41,409	1,958	992
Latvia—			
Rock-salt .. .. .	24,969	26,548	25,063
Common salt .. .. .	2,992	2,517	1,933
Sea-salt .. .. .	1,181	457	1,963
Lithuania—			
Rock-salt .. .. .	6,399	5,939	5,537
Refined salt .. .. .	25,759	26,063	29,292

(a) Information not available.

(b) Years ended March 31 following.

(c) Years ended June 30.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Rock-salt .. .. .	78,112	97,443	80,510
Sea-salt, etc. .. .. .	34,718	21,965	19,100
Refined salt and waste .. .. .	6,336	2,911	483
Norway—			
Rock-salt .. .. .	27,115	35,133	43,975
Common salt .. .. .	157,898	211,380	182,338
Poland .. .. .	481	382	334
Portugal .. .. .	13	12	(a)
Sweden—			
Common salt .. .. .	165,076	205,560	234,647
Switzerland .. .. .	735	751	720
U.S.S.R. .. .. .	6,234	21	(c)7,890
Yugoslavia—			
Rock-salt .. .. .	9,968	3,445	33,268
Sea-salt .. .. .	27,958	21,276	26,616
Algeria .. .. .	8,928	10,207	8,596
Belgian Congo .. .. .	14,923	21,231	18,447
Cameroon (French) .. .. .	6,589	7,538	5,643
Egypt—			
Common salt .. .. .	102	93	120
French Equatorial Africa .. .. .	3,500	5,486	5,235
French Somaliland .. .. .	14	15	37
French Togoland .. .. .	3,856	2,480	2,622
French West Africa .. .. .	24,085	25,191	22,071
Liberia .. .. .	(a)	1,644	(a)
Madagascar .. .. .	333	5	3
Morocco (French) .. .. .	10,955	9,935	(a)
Morocco (Spanish) .. .. .	1,461	1,665	1,484
Mozambique .. .. .	2,107	3,965	1,906
Portuguese Guinea .. .. .	(a)	1,213	2,400
Réunion .. .. .	1,260	942	(a)
Costa Rica .. .. .	(a)	(a)	18
Cuba (total imports) .. .. .	8,405	10,515	(a)
French West Indies—			
Guadeloupe .. .. .	1,089	(a)	1,509
Martinique .. .. .	900	(a)	(a)
Guatemala .. .. .	432	304	412
Honduras (b) .. .. .	367	374	(a)
Mexico .. .. .	1,886	2,241	1,759
Netherlands West Indies .. .. .	41	61	(a)
Nicaragua (total imports) .. .. .	205	223	231
St. Pierre and Miquelon .. .. .	6,077	8,193	(a)

(a) Information not available.

(b) Years ended July 31.

(c) January to September only.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
United States .. .. .	45,572	41,068	38,624
Argentina—			
Rock-salt .. .. .	770	1,176	941
Sea-salt .. .. .	3,500	3,800	358
Refined salt .. .. .	210	269	207
Bolivia .. .. .	(a)	461	(a)
Brazil (total imports) .. .. .	2,739	220	6
Chile .. .. .	62	114	(a)
Colombia .. .. .	23	29	20
Dutch Guiana .. .. .	473	711	(a)
French Guiana .. .. .	450	269	(a)
Peru .. .. .	4	6	1
Uruguay—			
Refined salt .. .. .	25	29	27
Rock-salt .. .. .	202	270	56
Sea-salt .. .. .	39,795	22,818	29,502
French Indo-China .. .. .	272	337	497
Iran (c)—			
Common salt .. .. .	1,638	1,495	—
Refined salt .. .. .	9	7	9
Iraq .. .. .	15	20	12
Japan (total imports) .. .. .	1,301,511	1,662,235	1,405,799
Korea (total imports) .. .. .	156,872	150,324	163,402
Netherlands East Indies—			
Refined salt .. .. .	320	278	(a)
Other salt .. .. .	1,037	1,692	(a)
Philippine Islands .. .. .	8,381	666	3,937
Syria and Lebanon .. .. .	2,952	12,227	7,754
French Oceania .. .. .	200	200	(a)
New Caledonia .. .. .	309	485	581

(a) Information not available.

(c) Total imports for years ended June 21.



## SILVER

## PRODUCTION OF SILVER ORE

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

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	76,885	71,448	107,985
Bechuanaland Protectorate..	1,378	1,499	1,127
Gold Coast (estimated) ..	14,000	19,000	23,000
Kenya .. .. .	5,721	7,549	11,200
Nigeria .. .. .	153,000	102,120	(a)
Northern Rhodesia .. ..	229,151	83,861	88,237
Sierra Leone .. .. .	1,537	1,568	(a)
Southern Rhodesia .. ..	145,072	152,038	166,417
South West Africa(c) .. ..	—	358,500	673,500
Tanganyika Territory .. ..	9,254	11,696	16,473
Uganda (exports) .. .. .	925	1,379	1,981
Union of South Africa .. ..	1,075,625	1,100,641	1,135,374
Canada .. .. .	18,334,487	22,977,751	22,219,195
Newfoundland .. .. .	1,249,472	1,447,637	1,645,590
British Guiana (estimated) ..	4,240	4,740	5,060
Burma .. .. .	5,952,000	6,180,000	5,920,000
Cyprus (b) .. .. .	125,704	132,968	106,524
India .. .. .	25,345	24,642	22,295
Federated Malay States (estimated) .. .. .	3,300	3,000	3,500
Sarawak .. .. .	—	—	1,660
Australia .. .. .	12,288,033	14,059,258	15,552,037
Fiji .. .. .	1,185	3,463	12,380
New Guinea (estimated) .. ..	97,000	96,000	104,000
New Zealand .. .. .	432,973	443,981	357,709
Total .. .. .	40,200,000	47,300,000	48,300,000
FOREIGN COUNTRIES			
Austria .. .. .	3,848	3,989	(a)
Bulgaria (estimated) .. ..	2,200	6,500	13,000
Czecho-Slovakia .. .. .	1,003,862	1,056,552	(a)
Finland .. .. .	58,706	55,137	58,000
France .. .. .	476,849	563,847	(a)
Germany .. .. .	6,541,400	6,773,169	(a)
Greece .. .. .	737,702	1,135,041	(a)
Hungary .. .. .	8,299	79,277	(a)

(a) Information not available.

(b) Exports.

(c) Years ended March 31 following.

## PRODUCTION OF SILVER ORE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Italy .. .. .	615,557	715,000	820,000
Norway .. .. .	229,538	283,249	241,000
Poland.. .. .	61,000	63,000	61,000
Portugal .. .. .	12,905	20,000	16,741
Roumania .. .. .	729,408	824,480	502,890
Sweden .. .. .	939,519	946,239	1,123,835
U.S.S.R. (estimated).. .. .	5,000,000	6,000,000	7,000,000
Yugoslavia .. .. .	1,785,579	2,242,495	2,450,000
Algeria .. .. .	65,545	72,177	(a)
Belgian Congo .. .. .	2,781,457	2,961,787	3,120,000
Morocco (French) .. .. .	88,252	241,543	(a)
Mozambique .. .. .	1,337	1,474	1,808
Tunis .. .. .	43,000	174,638	61,149
Mexico .. .. .	77,462,114	84,678,921	81,016,939
Porto Rico .. .. .	187	1	1
United States.. .. .	61,152,534	71,408,625	61,705,837
Honduras .. .. .	3,104,507	3,222,824	3,346,246
Nicaragua .. .. .	120,305	99,665	158,274
Panama .. .. .	4,632	(a)	(a)
Salvador .. .. .	3,542	2,866	14,565
Argentina .. .. .	522,800	2,122,000	(a)
Bolivia (exports) .. .. .	10,723,000	9,452,000	6,366,000
Brazil .. .. .	23,887	25,238	25,591
Chile .. .. .	1,498,129	1,786,222	1,414,086
Colombia .. .. .	151,501	167,971	192,879
Ecuador .. .. .	74,410	73,350	81,974
Guiana (French and Dutch) (estimated) .. .. .	6,000	6,000	6,000
Peru .. .. .	19,915,101	17,453,331	(b)20,424,027
Venezuela (estimated) .. .. .	7,000	7,000	7,000
China .. .. .	150,000	200,000	(a)
French Indo-China .. .. .	5,594	3,537	2,411
Japan .. .. .	9,605,231	(c)10,000,000	(c)10,000,000
Korea .. .. .	1,891,000	2,673,000	(a)
Manchuria .. .. .	2,733	(a)	(a)
Netherlands East Indies .. .. .	662,638	500,084	579,131
Philippine Islands .. .. .	467,885	719,771	1,167,612
Total .. .. .	209,000,000	229,000,000	219,000,000
WORLD'S TOTAL .. .. .	249,000,000	276,000,000	267,000,000

Silver ore is also produced in Spain.

(a) Information not available.

(b) Exports.

(c) Estimated.

## EXPORTS OF SILVER\*

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion .. .. .	450,000	—	—
Refined bullion .. .. .	195,600,000	88,900,000	106,200,000
Gold coast—			
Bullion .. .. .	26,000	34,000	42,000
Northern Rhodesia—			
Bullion .. .. .	270	380	50
Southern Rhodesia—			
Concentrates .. .. .	14,400	40,000	96,000
Bullion .. .. .	125,900	127,900	134,800
Union of South Africa—			
Bullion .. .. .	606,000	172,000	762,000
Zanzibar—			
Bullion .. .. .	1,700	—	—
British West Indies—			
Trinidad and Tobago—			
Bullion .. .. .	260	—	—
Canada—			
Ore, concentrates, etc. .. .. .	3,350,000	5,770,000	5,869,000
Bullion .. .. .	15,877,000	15,290,000	23,927,000
British India (c)—			
Bullion .. .. .	5,226,000	2,741,000	7,700,000
British Malaya—			
Bullion .. .. .	610,000	494,000	2,342,000
Burma—			
Bullion .. .. .	(b)	(b)4,700,000	5,700,000
Ceylon—			
Bullion .. .. .	1,800	700	900
Cyprus—			
Ore, etc. .. .. .	125,704	132,968	106,524
Hong Kong—			
Bullion .. .. .	19,500	4,100,000	1,100,000
Australia (years ended June 30)—			
Ores, concentrates and matte .. .. .	1,044,000	1,221,000	2,346,000
Bullion .. .. .	6,455,000	5,166,000	9,107,000

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

(b) Included with India prior to April 1, 1937.

(c) Includes trade by land as recorded.

## EXPORTS OF SILVER (Cont.)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE (Cont.)			
Fiji—			
Bullion .. .. .	1,185	2,354	12,442
New Zealand—			
Concentrates, sweepings, etc. ..	5,000	3,000	500
Bullion .. .. .	473,600	436,600	370,000
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	420,000	420,000	100,000
Belgium-Luxemburg E.U.—			
Bullion and scrap .. .. .	7,600,000	9,500,000	8,200,000
Beaten, rolled or drawn .. .. .	1,200	14,500	500
Czecho-Slovakia—			
Bullion and scrap .. .. .	200,000	920,000	2,255,000
Denmark—			
Bullion .. .. .	106,000	165,000	(a)
France—			
Bullion .. .. .	2,200,000	3,500,000	9,800,000
Beaten, rolled or drawn .. .. .	80,000	260,000	1,211,000
Germany—			
Bullion .. .. .	4,700,000	8,100,000	7,300,000
Greece—			
Bullion .. .. .	2,000	—	—
Hungary—			
Bullion .. .. .	—	300	—
Italy—			
Bullion, etc. .. .. .	15,000	4,000	1,200
Lithuania—			
Bullion, etc. .. .. .	5,300	—	—
Netherlands—			
Bullion and scrap .. .. .	3,600,000	3,400,000	2,500,000
Norway—			
Bullion .. .. .	140,000	32,000	84,000
Poland—			
Bullion .. .. .	32,000	54,000	56,000
Roumania—			
Bullion .. .. .	—	1,400,000	(a)

(a) Information not available.

## EXPORTS OF SILVER (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Bullion .. .. .	400,000	550,000	540,000
Switzerland—			
Bullion .. .. .	154,000	1,120,000	658,000
Yugoslavia—			
Bullion .. .. .	6,600	—	—
Belgian Congo—			
Bullion .. .. .	32,000	1,226,000	31,000
Egypt—			
Bullion and scrap .. .. .	2,800	1,000	130
Madagascar—			
Bullion .. .. .	(a)	(a)	2,700
Morocco (French)—			
Bullion .. .. .	—	230,000	(a)
Tunis—			
Bullion .. .. .	31,000	—	—
Cuba—			
Bullion .. .. .	17,000	—	(a)
Honduras (c)—			
Bullion .. .. .	2,800,000	3,280,000	2,730,000
Mexico—			
Bullion .. .. .	66,335,000	78,971,000	95,070,000
Nicaragua—			
Concentrates .. .. .	90,000	100,000	159,000
Bullion .. .. .	1,300	—	—
United States—			
Ore and base bullion .. .. .	1,200,000	1,400,000	1,500,000
Refined bullion .. .. .	2,700,000	2,100,000	1,800,000
Argentina—			
Bullion .. .. .	15,000	580,000	334,000
Bolivia—			
Ores, etc. .. .. .	10,723,000	9,446,000	6,366,000
Chile—			
Ore (excluding mixed ore) .. .. .	37,000	27,000	(a)
Bullion .. .. .	280,000	86,000	(a)
Colombia—			
Bullion .. .. .	170,000	6,600	—
Peru—			
Ores, concentrates, etc. .. .. .	6,933,000	6,500,000	7,611,000
Bullion .. .. .	12,975,000	10,495,000	12,812,000

(a) Information not available.

(c) Years ended July 31 of year stated. For 1938 the figure refers to eleven months ended June 30.

EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description.	1936	1937	1938
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
China—			
Bullion .. .. .	15,000,000	22,500,000	1,300,000
French Indo-China—			
Bullion .. .. .	10,600	6,700	5,300
Iran ( <i>b</i> )—			
Bullion .. .. .	1,500,000	—	—
Iraq—			
Bullion, etc. .. .. .	5,500	10,000	6,300
Japan—			
Bullion .. .. .	23,300,000	( <i>a</i> )	( <i>a</i> )
Korea—			
Bullion .. .. .	8,300,000	( <i>a</i> )	( <i>a</i> )
Manchuria—			
Bullion .. .. .	4,900,000	340,000	( <i>a</i> )
Netherlands East Indies—			
Bullion and scrap .. .. .	690,000	460,000	( <i>a</i> )
Philippine Islands—			
Bullion .. .. .	—	—	1,056,000

(*a*) Information not available.

(*b*) Years ended June 21.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion .. ..	44,730,000	6,840,000	11,200,000
Refined bullion .. ..	44,700,000	45,200,000	40,200,000
Malta—			
Bullion .. ..	141	4,400	18,600
Anglo-Egyptian Sudan—			
Bullion .. ..	167,400	534,000	257,000
Gold Coast—			
Bullion .. ..	1,700	1,800	2,250
Kenya and Uganda—			
Bullion .. ..	—	—	1,000
Nigeria—			
Bullion .. ..	3,000	3,100	950
Sierra Leone—			
Bullion .. ..	700	1,000	600
Tanganyika Territory—			
Bullion .. ..	70	—	20
Union of South Africa—			
Bullion .. ..	4,000	455,000	207,000
Zanzibar—			
Bullion .. ..	—	—	90
Canada—			
Bullion .. ..	5,300,000	2,000,000	2,010,000
British West Indies—			
Trinidad and Tobago—			
Bullion .. ..	5,500	18,700	6,300
Burma—			
Bullion .. ..	(b)	(b)77,800	40,700
Ceylon—			
Bullion .. ..	79,000	97,000	62,000
Cyprus—			
Bullion .. ..	7,500	9,900	10,700
British India(c)—			
Bullion .. ..	102,023,000	49,640,000	14,192,000
British Malaya—			
Bullion .. ..	490,000	702,000	1,762,000

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

(b) Included with India prior to April 1, 1937.

(c) Includes trade by land as recorded.

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
Hong Kong—			
Bullion .. .. .	32,000	4,400,000	12,600
Australia (years ended June 30)—			
Bullion .. .. .	146,000	174,000	182,000
New Zealand—			
Bullion .. .. .	8,000	6,400	12,000
<b>FOREIGN COUNTRIES</b>			
Austria—			
Bullion .. .. .	710,000	680,000	103,000
Belgium-Luxemburg E.U.—			
Bullion and scrap .. ..	150,000	70,000	2,600,000
Beaten, rolled or drawn ..	27,000	37,000	29,000
Bulgaria—			
Bullion, etc. .. .. .	11,300	11,400	10,000
Czecho-Slovakia—			
Bullion and scrap .. ..	50,000	1,600	2,600
Denmark—			
Bullion, etc. .. .. .	1,900,000	2,200,000	2,200,000
Estonia—			
Bullion, etc. .. .. .	57,000	63,000	70,000
Finland—			
Bullion, etc. .. .. .	358,000	505,000	555,000
France—			
Bullion .. .. .	5,480,000	5,530,000	5,400,000
Beaten, rolled or drawn ..	960,000	440,000	66,000
Germany—			
Ores ( <i>b</i> ) .. .. .	(£6,000)	(£14,000)	(£26,000)
Bullion .. .. .	5,400,000	6,700,000	4,700,000
Scrap .. .. .	(£43,000)	(£33,000)	(£22,000)
Greece—			
Bullion .. .. .	1,700	550	( <i>a</i> )
Hungary—			
Bullion .. .. .	340,000	1,500,000	2,657,000
Italy—			
Bullion, etc. .. .. .	161,000	1,100,000	1,030,000
Latvia—			
Bullion, etc. .. .. .	141,000	177,000	206,000

(*a*) Information not available.

(*b*) Value of ores; silver content not known.



## IMPORTS OF SILVER (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Bullion, etc. .. ..	580,000	26,000	60,000
Netherlands—			
Bullion and scrap .. ..	750,000	1,020,000	1,210,000
Norway—			
Bullion .. ..	320,000	400,000	390,000
Beaten, rolled or drawn .. ..	500,000	660,000	580,000
Poland—			
Bullion .. ..	2,900,000	640,000	830,000
Portugal—			
Bullion .. ..	265,000	865,000	(a)
Roumania—			
Bullion, etc. .. ..	420	1,700	(a)
Sweden—			
Bullion .. ..	1,650,000	1,600,000	1,900,000
Switzerland—			
Bullion .. ..	1,260,000	3,460,000	3,630,000
Yugoslavia—			
Bullion, etc. .. ..	5,200	3,700	4,600
Algeria—			
Bullion, etc. .. ..	19,000	7,000	(a)
Egypt—			
Bullion and scrap .. ..	1,081,000	591,000	260,000
Morocco (French)—			
Bullion, etc. .. ..	30,000	9,000	(a)
Beaten, rolled or drawn .. ..	125,000	80,000	(a)
Tunis—			
Beaten, rolled or drawn .. ..	22,000	9,800	7,000
United States—			
Ore and base bullion .. ..	42,700,000	48,400,000	54,500,000
Refined bullion .. ..	194,700,000	108,800,000	191,600,000
Argentina—			
Bullion .. ..	—	19,000	2,400
Brazil—			
Bullion .. ..	8,400	54,000	73,000
Chile—			
Bullion .. ..	1,400	1,900	(a)
Colombia—			
Bullion .. ..	6,300	3,500	34,200
Dutch Guiana—			
Bullion .. ..	3,000	2,500	(a)

(a) Information not available.

## IMPORTS OF SILVER (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Uruguay—			
Bullion .. .. .	400	5,600	(a)
Venezuela—			
Bullion .. .. .	60	500	(a)
China—			
Bullion .. .. .	1,500	1,000	—
French Indo-China—			
Bullion, etc. .. ..	700	700	80,000
Beaten, rolled or drawn ..	100,000	30,000	700
Iran (years ended June 21)—			
Bullion .. .. .	8,000	12,700	—
Iraq—			
Bullion, etc. .. ..	300	100	340
Japan—			
Bullion .. .. .	44,000	(a)	(a)
Korea—			
Bullion .. .. .	4,700,000	(a)	(a)
Netherlands East Indies—			
Bullion and scrap .. ..	168,000	410,000	330,000
Siam—			
Bullion .. .. .	408,000	230,000	1,122,000
Syria and Lebanon—			
Bullion .. .. .	41,000	60,000	77,500
Turkey—			
Bullion, etc. .. ..	2,000	9,000	3,500

(a) Information not available.

## STRONTIUM MINERALS

## PRODUCTION OF STRONTIUM MINERALS

(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom— Celestite .. .. .	5,771	7,597	4,596
FOREIGN COUNTRIES			
Germany (Prussia)— Strontianite .. .. .	258	268	(a)

(a) Information not available.

## EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
France— Strontium compounds .. .. .	4	6	14
Germany (b)— Strontianite and witherite .. .. .	372	487	358
Strontium compounds .. .. .	56	90	66

(b) Celestite recorded with barytes.

## IMPORTS OF STRONTIUM MINERALS, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Czecho-Slovakia—			
Strontium nitrate .. ..	1	2	1
France—			
Strontium compounds .. ..	25	25	39
Italy—			
Strontium compounds .. ..	6	7	8
United States—			
Strontianite and celestite.. ..	1,732	2,516	247
Strontium compounds .. ..	333	292	200
Chile—			
Strontium compounds .. ..	(7 <i>cwt.</i> )	(14 <i>cwt.</i> )	(a)
Peru—			
Strontium compounds .. ..	(11 <i>cwt.</i> )	(18 <i>cwt.</i> )	(11 <i>cwt.</i> )

*(a)* Information not available.

## SULPHUR

## PRODUCTION OF SULPHUR\*

(Long tons)

Producing Country and Description.	1936	1937	1938	Estimated Sulphur Content.		
				1936	1937	1938
BRITISH EMPIRE						
United Kingdom and Irish Free State— Spent oxide (b) ..	161,200	165,100	146,200	61,500	78,700	70,100
Canada—						
Smelter gas (d) ..	(a)	(a)	(a)	49,554	51,071	54,362
do. recovered as sulphur .. ..	(a)	(a)	(a)	3,093	12,083	26,038
Palestine—						
Sulphur ..	79	494	1,196	73	482	1,172
FOREIGN COUNTRIES						
France—						
Sulphur rock ..	1,230	1,585	1,429	123	160	140
Germany (estimated)—						
Recovered from coke ovens .. ..	(a)	(a)	(a)	20,000	30,000	50,000
Other by-product sulphur .. ..	(a)	(a)	(a)	(a)	(a)	20,000
Greece—						
Sulphur rock ..	1,774	646	(a)	355	129	(a)
Refined sulphur ..	150	67	(a)	149	66	(a)
Hungary—						
Sulphur recovered from pyrites ..	(a)	(a)	(a)	60	(a)	(a)
Italy—						
Sulphur rock ..	1,980,411	2,108,947	2,326,562	333,836	350,000	390,000
Crude sulphur (c)—						
Fused .. ..	322,395	338,100	374,338	(a)	(a)	(a)
Ground .. ..	20,743	19,793	16,545	(a)	(a)	(a)
Norway (exports)—						
Sulphur recovered from pyrites ..	(a)	(a)	(a)	63,768	95,694	75,420
Portugal—						
Sulphur recovered from pyrites ..	9,383	13,021	10,921	9,289	12,792	10,812

\* See also Pyrites (page 358).

(a) Information not available.

(b) Consumed by the sulphuric acid industry.

(c) Derived from sulphur rock above.

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

## PRODUCTION OF SULPHUR (Cont.)

Producing Country and Description.	1936	1937	1938	Estimated Sulphur Content.		
				1936	1937	1938
FOREIGN COUNTRIES (Cont.)						
Sweden— Sulphur .. ..	19,306	18,141	17,512	(a)	(a)	(a)
Mexico— Crude sulphur .. ..	1,272	(a)	(a)	(a)	(a)	(a)
United States— Crude sulphur .. ..	2,016,338	2,741,970	2,393,408	(a)	(a)	(a)
Smelter gas (b) .. ..	(a)	(d)	(a)	155,000	155,000	155,000
By-product sulphur(c)	(a)	(a)	3,674	(a)	(a)	(a)
Bolivia (exports)— Sulphur .. ..	935	1,712	1,632	(a)	(a)	(a)
Ecuador— Sulphur rock .. ..	59	54	68	25	25	30
Guatemala— Sulphur .. ..	16	12	15	(a)	(a)	(a)
Chile— Sulphur rock .. ..	11,600	1,050	(a)	(a)	(a)	(a)
Refined sulphur .. ..	25,524	16,766	20,936	25,384	16,674	20,821
Peru— Sulphur .. ..	1,695	1,570	2,813	(a)	(a)	(a)
Formosa— Sulphur .. ..	1,200	(a)	(a)	(a)	(a)	(a)
Japan— Sulphur rock .. ..	31,576	(a)	(a)	(a)	(a)	(a)
Refined sulphur .. ..	172,545	(a)	(a)	(a)	(a)	(a)
Netherlands East Indies— Sulphur .. ..	11,310	12,474	15,508	11,300	12,462	15,490
Turkey— Refined sulphur .. ..	3,112	2,721	3,684	3,081	2,694	3,647
Crude sulphur .. ..	—	—	148	—	—	(a)

Sulphur is also produced in Spain, U.S.S.R., China and Manchuria.

(a) Information not available.

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

(c) Sulphur produced in purification of manufactured fuel gases.

(d) Excluding several hundred tons of sulphur ore used for agricultural purposes.

EXPORTS OF SULPHUR  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	2,007	1,988	1,605
Union of South Africa .. .. .	8	8	1
British Malaya (including re-exports)	32	26	17
Hong Kong (including re-exports)	2,089	1,663	818
Palestine .. .. .	339	455	1,059
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	22	16	5
Belgium-Luxemburg E.U. .. .. .	7,249	5,156	6,701
Czecho-Slovakia .. .. .	2	7	2
France—			
Rock .. .. .	1,596	820	1,833
Crude .. .. .	1,875	1,184	1,081
Refined lump .. .. .	1,033	2,378	2,266
Flowers of sulphur .. .. .	11,559	16,347	5,356
Precipitated sulphur .. .. .	5,868	4,866	2,323
Germany—			
Sulphur, etc. .. .. .	36,931	26,108	22,876
Italy—			
Rock .. .. .	15	23	3
Crude lump .. .. .	177,471	362,150	193,856
Crude ground .. .. .	5,112	2,493	3,766
Refined lump .. .. .	13,595	12,866	11,574
Refined ground .. .. .	5,072	10,163	15,849
Flowers of sulphur .. .. .	1,431	2,238	2,297
Netherlands .. .. .	2	29	4
Norway .. .. .	63,768	95,694	75,420
Sweden .. .. .	6,325	4,714	14
Switzerland .. .. .	25	—	—
U.S.S.R. .. .. .	13	20	(b) 20
Algeria—			
Rock .. .. .	2,323	9,783	8,730
Refined and flowers of sulphur ..	96	84	108

(b) January to November only.

## EXPORTS OF SULPHUR (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Mexico.. .. .	(a)	384	9
United States—			
Crude .. .. .	547,199	675,297	575,957
Refined and flowers of sulphur ..	19,709	13,533	12,707
Argentina .. .. .	1	20	25
Bolivia .. .. .	935	1,712	1,632
Chile .. .. .	10,769	19,358	5,793
Peru .. .. .	1,696	1,570	1,944
Formosa .. .. .	852	833	(a)
Japan ... .. .	70,735	54,963	30,747
Netherlands East Indies .. .. .	3,922	4,650	(a)

(a) Information not available.



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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	121,890	152,244	130,845
Eire .. .. .	233	472	445
Malta—			
Flowers of sulphur .. .. .	(£1,206)	(£1,638)	(£1,102)
Mauritius .. .. .	434	482	345
South West Africa .. .. .	85	139	151
Southern Rhodesia .. .. .	1	39	—
Union of South Africa—			
Rock-sulphur .. .. .	12,276	21,684	22,299
Flowers of sulphur .. .. .	1,114	1,411	1,269
British Guiana .. .. .	3	2	1
Canada .. .. .	150,691	201,504	83,658
British India (total imports) .. .. .	25,560	30,987	22,964
British Malaya (total imports) .. .. .	301	334	186
Burma .. .. .	(b)	(b) 3,673	2,423
Ceylon .. .. .	895	931	1,056
Cyprus .. .. .	205	112	290
Hong Kong (total imports) .. .. .	958	1,909	1,005
Palestine .. .. .	132	335	146
Australia .. .. .	95,244	126,703	141,853
Fiji .. .. .	3	3	4
New Zealand .. .. .	32,243	56,748	52,477
FOREIGN COUNTRIES			
Albania .. .. .	66	39	78
Austria .. .. .	8,859	9,249	7,132
Belgium-Luxemburg E.U. .. .. .	15,907	18,140	12,782
Bulgaria .. .. .	226	486	537
Czecho-Slovakia—			
Crude and ground .. .. .	8,434	9,057	7,857
Flowers of sulphur .. .. .	69	32	85
Denmark .. .. .	663	484	942

(b) Included with India prior to April 1, 1937.

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Estonia—			
Crude .. .. .	9,271	12,577	4,200
Refined .. .. .	22	23	18
Finland (total imports) .. ..	63,384	75,874	54,316
France—			
Rock .. .. .	23,615	37,330	269,394
Crude .. .. .	102,535	216,031	182,658
Refined lump .. .. .	277	116	130
Flowers of sulphur .. .. .	31	—	189
Precipitated .. .. .	344	177	208
Germany—			
Sulphur, etc. .. .. .	70,272	63,186	101,958
Greece .. .. .	11,432	9,059	18,092
Hungary .. .. .	2,231	2,365	2,266
Iceland .. .. .	7	2	(a)
Italy .. .. .	48	—	—
Latvia—			
Crude .. .. .	2,242	3,416	2,760
Refined and flowers of sulphur ..	55	105	85
Lithuania—			
Refined .. .. .	94	92	48
Netherlands .. .. .	1,682	1,702	2,104
Norway .. .. .	15,510	15,766	6,549
Poland—			
Crude .. .. .	4,079	5,780	6,460
Refined .. .. .	617		
Flowers of sulphur .. .. .	30		
Portugal—			
Crude .. .. .	297	2,257	3,408
Flowers of sulphur .. .. .	70	42	
Other sulphur .. .. .	37	38	
Roumania—			
Crude .. .. .	321	217	197
Refined and flowers of sulphur ..	951	2,250	1,342
Sweden .. .. .	68,195	83,008	47,309
Switzerland—			
Crude and ground .. .. .	3,949	7,122	3,980
Flowers of sulphur .. .. .	449	358	430
U.S.S.R. .. .. .	2,956	76	(b) 58
Yugoslavia—			
Crude .. .. .	1,094	1,656	931
Refined and flowers of sulphur ..	1,153	1,229	1,906

(a) Information not available.

(b) January to November only.

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Algeria—			
Rock .. .. .	8,948	582	523
Crude .. .. .	11,502	14,409	11,913
Refined .. .. .	316	1,412	938
Flowers of sulphur .. .. .	8,589	12,989	3,255
Precipitated .. .. .	4,737	3,033	1,717
Angola .. .. .	77	(a)	(a)
Belgian Congo .. .. .	2,485	2,548	1,566
Egypt .. .. .	2,406	1,383	2,262
Libya .. .. .	47	191	8
Madagascar .. .. .	61	108	56
Morocco (French) .. .. .	1,382	1,479	(a)
Morocco (Spanish) .. .. .	4	16	20
Mozambique .. .. .	281	373	453
Tunis—			
Crude .. .. .	4,293	11,855	8,695
Refined and flowers of sulphur .. .. .	2,184	2,631	1,613
Costa Rica .. .. .	(a)	(a)	18
Cuba (total imports) .. .. .	138	75	(a)
Guatemala .. .. .	105	86	122
Honduras (years ended July 31) .. .. .	160	105	(a)
Mexico .. .. .	311	10,012	5,669
United States—			
Sulphur rock and sulphur .. .. .	729	628	2,603
Argentina—			
Crude .. .. .	29,097	18,819	22,066
Refined and flowers of sulphur .. .. .	54	22	16
Brazil (total imports) .. .. .	13,960	14,788	13,900
Chile .. .. .	2	2	(a)
Colombia .. .. .	186	196	231
Peru .. .. .	172	191	124
Uruguay .. .. .	2,906	3,634	2,190
China .. .. .	5,258	5,759	2,368
French Indo-China .. .. .	240	297	224
Iran (b) .. .. .	(a)	582	1,589
Manchuria .. .. .	2,006	4,449	8,416
Netherlands East Indies .. .. .	424	3,932	6,475
Philippine Islands .. .. .	(a)	(a)	66
Syria and Lebanon .. .. .	193	197	156
Turkey—			
Refined and flowers of sulphur .. .. .	1,447	903	2,498
Precipitated .. .. .	—	6	—

(a) Information not available.

(b) Total imports for years ended June 21.

## TALC

## PRODUCTION OF TALC

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE.			
Tanganyika Territory .. ..	—	—	37
Union of South Africa .. ..	406	370	1,529
Canada (sales) (b) .. ..	12,954	11,122	9,690
India .. ..	9,968	13,040	17,990
Australia .. ..	1,502	1,494	958
FOREIGN COUNTRIES			
Austria (estimated) .. ..	30,000	25,000	(a)
Finland .. ..	1,656	867	(a)
France .. ..	50,700	55,400	(a)
Germany (Bavaria) .. ..	5,009	7,667	(a)
Greece .. ..	850	1,809	(a)
Italy .. ..	43,226	44,987	52,662
Norway .. ..	25,827	28,998	(a)
Roumania .. ..	2,489	1,945	1,883
Sweden .. ..	7,033	7,812	6,690
Egypt .. ..	345	2,230	1,231
Morocco (French) (exports) ..	1,346	828	(a)
United States (sales) .. ..	193,028	205,356	189,978
Argentina .. ..	174	205	(a)
Uruguay (exports) .. ..	704	430	937
French Indo-China .. ..	670	421	—
Manchuria (exports) .. ..	81,785	109,384	79,932

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

(a) Information not available.

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

1936 .. ..	£6,600
1937 .. ..	£8,200
1938 .. ..	£7,100

## EXPORTS OF TALC

*(Domestic Produce)*

(Long tons)

Exporting Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	58	112	102
Canada .. .. .	9,127	7,766	6,207
FOREIGN COUNTRIES			
Austria .. .. .	19,659	13,865	5,536
Belgium-Luxemburg E.U. .. ..	65	266	147
Czecho-Slovakia .. .. .	2,119	2,448	3,499
Finland .. .. .	2,122	2,425	743
France .. .. .	14,782	18,765	18,428
Germany .. .. .	740	961	774
Italy .. .. .	9,746	18,234	15,997
Norway .. .. .	22,927	22,964	22,323
Roumania .. .. .	650	310	(a)
U.S.S.R. .. .. .	4	—	—
Egypt .. .. .	473	1,603	(a)
Morocco (French) .. .. .	1,346	828	(a)
United States .. .. .	5,955	7,927	6,355
Chile .. .. .	49	276	1,155
Uruguay .. .. .	704	430	937
Japan .. .. .	8,194	11,303	8,710
Manchuria .. .. .	81,785	109,384	79,932
Turkey .. .. .	—	148	—

(a) Information not available.

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

Importing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	24,542	29,750	23,476
Seychelles .. .. .	12	14	6
Canada .. .. .	2,622	2,842	2,364
British India .. .. .	42	40	24
Cyprus .. .. .	31	72	47
Australia .. .. .	557	684	684
FOREIGN COUNTRIES			
Albania .. .. .	46	51	19
Austria .. .. .	830	457	190
Belgium-Luxemburg E.U. .. .. .	4,275	5,163	3,700
Czecho-Slovakia .. .. .	4,354	5,238	3,652
Denmark .. .. .	2,162	2,047	(a)
Estonia .. .. .	58	108	79
Finland (total imports) .. .. .	693	987	1,384
France .. .. .	2,597	2,682	2,048
Germany .. .. .	24,144	15,834	12,294
Latvia .. .. .	84	151	195
Lithuania .. .. .	32	32	72
Poland .. .. .	3,403	3,720	5,013
Roumania .. .. .	143	140	(a)
Yugoslavia .. .. .	263	439	534
Algeria .. .. .	586	486	449
Belgian Congo .. .. .	(a)	43	33
Egypt .. .. .	989	1,210	1,084
Morocco (French) .. .. .	33	42	(a)
Tunis .. .. .	638	376	470
Guatemala .. .. .	3	(a)	(a)
Mexico .. .. .	266	464	225
United States .. .. .	21,893	23,997	19,756
Argentina .. .. .	1,229	623	663
Chile .. .. .	26	54	(a)
Colombia .. .. .	132	204	133
Peru .. .. .	81	131	109
Uruguay .. .. .	36	2	—
Venezuela .. .. .	61	70	(a)
Formosa .. .. .	36	26	(a)
French Indo-China .. .. .	123	165	102
Japan (total imports) .. .. .	64,674	86,742	65,560
Philippine Islands .. .. .	(a)	(b)159	134
Syria and Lebanon .. .. .	60	103	84
Turkey .. .. .	2	5	11

(a) Information not available.

(b) March-December only.

**TIN**

## PRODUCTION OF TIN ORE

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

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	2,099	1,987	1,999
Nigeria .. .. .	9,648	10,782	7,305
Northern Rhodesia .. .. .	5	5	3
Southern Rhodesia .. .. .	47	139	267
South West Africa .. .. .	162	169	164
Swaziland .. .. .	128	108	122
Tanganyika Territory .. .. .	207	243	241
Uganda (exports) .. .. .	409	361	399
Union of South Africa .. .. .	634	538	558
Burma .. .. .	4,546	4,636	4,412
Federated Malay States .. .. .	64,680	75,117	41,206
Unfederated Malay States .. .. .	1,979	2,075	2,041
Straits Settlements .. .. .	58	72	114
Australia .. .. .	3,027	3,256	3,329
Total ..	88,000	99,000	62,000
FOREIGN COUNTRIES			
Germany .. .. .	50	(a)	(a)
Italy .. .. .	49	60	5
Portugal .. .. .	823	1,095	1,036
Belgian Congo .. .. .	7,303	8,133	9,025
Cameroon (French) .. .. .	216	258	242
Morocco (French) .. .. .	22	14	—
Mozambique .. .. .	15	6	(a)
Mexico .. .. .	368	373	249
United States .. .. .	101	168	109
Argentina .. .. .	940	1,423	(a)
Bolivia (exports) .. .. .	24,091	25,128	25,484
Peru .. .. .	97	173	103
China (smelter) .. .. .	10,400	11,100	11,600
French Indo-China .. .. .	1,381	1,577	1,599
Japan .. .. .	2,300	2,300	2,300
Netherlands East Indies .. .. .	30,728	39,165	27,299
Siam .. .. .	12,633	15,786	14,704
Total ..	91,000	107,000	95,000
WORLD'S TOTAL .. .. .	179,000	206,000	157,000

NOTE.—In the case of countries for which assay figures are not published the metal content of the ores has been estimated on the following percentages—South West Africa 70, Swaziland 70, Uganda 70, Burma 70, Belgian Congo 70, Japan 70, Siam 72.

(a) Information not available.

## SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom (estimated) ..	34,200	33,800	36,200
British Malaya (b) .. ..	84,591	95,372	63,746
Australia .. .. .	2,717	2,907	3,229
Total ..	122,000	132,000	103,000
<b>FOREIGN COUNTRIES</b>			
Belgium (estimated) .. ..	5,100	4,900	6,800
Germany .. .. .	2,293	2,671	3,000
Italy .. .. .	286	76	271
Netherlands .. .. .	20,826	26,618	26,375
Portugal .. .. .	—	—	40
Norway .. .. .	233	241	(a)
Belgian Congo (exports) .. ..	1,949	2,245	1,784
Argentina .. .. .	600	734	(a)
Peru .. .. .	97	173	(a)
China .. .. .	10,400	11,100	11,200
Japan .. .. .	1,830	1,840	1,900
Netherlands East Indies (exports) ..	12,854	13,757	7,207
Total ..	56,000	64,000	60,000
WORLD'S TOTAL ..	178,000	196,000	163,000

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

1936 ..	25,018 long tons.
1937 ..	27,054 " "
1938 ..	21,080 " "

Secondary tin recovered in Italy was as follows :—

1936 ..	694 long tons.
1937 ..	530 " "
1938 ..	478 " "

(a) Information not available.

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



## EXPORTS OF TIN

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. .. .	11	27	6
Blocks, ingots, bars and slabs .. .. .	15,419	14,833	12,281
Soft solder .. .. .	2,024	2,199	1,958
Tin-foil .. .. .	328	406	351
Nigeria—			
Ore .. .. .	12,000	15,035	10,486
Southern Rhodesia—			
Ore .. .. .	83	198	356
South West Africa—			
Ore .. .. .	240	215	296
Tanganyika Territory—			
Ore and concentrates .. .. .	264	274	368
Kenya and Uganda—			
Ore .. .. .	599	533	511
Union of South Africa—			
Ore and concentrates .. .. .	1,034	951	1,227
British India—			
Ore (c) .. .. .	3,376	653	—
Blocks, ingots, bars, slabs and scrap .. .. .	4,909	5,346	8,459
British Malaya (including re-exports)—			
Ore .. .. .	—	2,365	2,808
Ingots .. .. .	83,492	93,106	61,187
Burma—			
Ore(c) .. .. .	(b)	(b)2,153	2,843
Blocks, ingots, etc. .. .. .	(b)	(b)159	250
Hong Kong (including re-exports)—			
Slab and ingot .. .. .	8,737	7,191	6,330
Australia—			
Ore, dross, etc. ( <i>Sn content</i> ) .. .. .	246	192	102
Ingots .. .. .	566	723	1,022

(b) Included with India prior to April 1, 1937.

(c) Excluding tin-tungsten ore.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys .. ..	174	174	144
Belgium-Luxemburg E.U.—			
Ore .. .. .	1,274	2,555	2,229
Ingots, pigs, scrap, etc. .. ..	6,618	8,293	8,331
Sheets, wire, etc. .. .. .	101	81	44
Czecho-Slovakia—			
Ore .. .. .	—	84	—
Ingots, scrap and alloys .. ..	92	139	101
Denmark—			
Crude and scrap .. .. .	158	191	(a)
France—			
Ore .. .. .	8	40	61
Pigs, bars, etc. .. .. .	167	256	243
do. (alloys) .. .. .	229	333	370
Scrap .. .. .	39	44	70
Sheets and wire .. .. .	89	88	78
Germany—			
Ingots, scrap and alloys .. ..	691	78	241
Sheets and wire .. .. .	37	3	9
Tin-foil .. .. .	96	37	31
Italy—			
Ingots, bars, scrap, sheets, alloys, etc. .. .. .	16	61	31
Netherlands—			
Ore .. .. .	1	366	—
Blocks .. .. .	20,201	25,332	24,949
Sheets, wire, etc. .. .. .	59	135	89
Norway—			
Ingots and bars .. .. .	59	69	62
Portugal—			
Ore .. .. .	1,209	1,578	1,303
Sweden—			
Crude and scrap .. .. .	41	57	68
Switzerland—			
Pigs, bars, slabs, sheets, alloys, etc.	55	78	46
Tin-foil .. .. .	73	102	79
Scrap .. .. .	70	53	50
Yugoslavia—			
Crude .. .. .	—	—	113

(a) Information not available.

## EXPORTS OF TIN (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Ore .. .. .	—	—	139
Ingots, scrap and alloys .. ..	22	51	60
Belgian Congo—			
Ore .. .. .	7,170	8,468	7,913
Ingots .. .. .	1,949	2,245	1,784
Cameroon (French)—			
Ore .. .. .	262	429	310
Morocco (French)—			
Ore .. .. .	29	27	28
Scrap .. .. .	17	71	(a)
Mexico—			
Concentrates ( <i>Sn content</i> ) ..	473	260	155
Argentina—			
Ore .. .. .	219	1,019	1,467
Slag and ashes .. .. .	427	362	704
Ingots and bars .. .. .	350	336	681
Bolivia—			
Ores, concentrates, etc. ( <i>Sn content</i> )	24,091	25,128	25,484
Peru—			
Slag ( <i>Sn content</i> ) .. .. .	97	195	103
China—			
Ingots and slabs .. .. .	11,083	12,871	11,605
Tin-foil .. .. .	28	35	17
French Indo-China—			
Ore .. .. .	2,403	2,590	3,283
Ingots and scrap .. .. .	1,549	2,249	2,281
Japan—			
Ore .. .. .	769	845	875
Tin-foil .. .. .	21	41	14
Netherlands East Indies—			
Ore .. .. .	25,735	35,975	18,916
Ingots .. .. .	12,854	13,757	7,207
Siam (including re-exports)—			
Ore .. .. .	17,397	22,202	18,781

(a) Information not available.

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

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. ..	51,923	50,756	55,488
Blocks, ingots, bars and slabs ..	5,207	8,290	7,354
Soft solder .. .. .	38	51	26
Tin-foil .. .. .	(c) 1	2	1
Eire—			
Ingots, bars, slabs, etc. .. ..	29	32	37
Soft solder .. .. .	214	212	190
Tin-foil .. .. .	23	19	36
Kenya and Uganda—			
Ore .. .. .	(c) 29	(c) 77	(c) 305
Bars, plates and sheets .. ..	1,983	3,080	2,913
Mauritius—			
Ingots .. .. .	6	2	(a)
Southern Rhodesia (total imports)—			
Blocks, ingots and bars .. ..	95	39	33
South West Africa—			
Bars, sheets, etc. .. .. .	2	2	2
Union of South Africa—			
Blocks, ingots, bars, plates and sheets .. .. .	408	642	453
Tin-foil .. .. .	25	31	24
Canada—			
Blocks, pigs and bars .. ..	2,164	2,625	2,355
Tin-foil .. .. .	31	28	9
Aden—			
Blocks, ingots, etc. .. .. .	5	6	3
British India—			
Blocks, ingots, bars and slabs ..	2,496	2,834	2,651
British Malaya (total imports)—			
Ore .. .. .	26,938	31,169	27,765
Ingots, etc. .. .. .	—	4	1
Burma—			
Blocks, ingots, etc. .. .. .	(b)	(b)38	33
Ceylon—			
Ingots, slabs, etc. .. .. .	30	72	28
Plates and sheets .. .. .	38	9	2
Tin solder .. .. .	19	19	19
Cyprus—			
Ingots and bars .. .. .	7	8	9

(a) Information not available.

(b) Included with India prior to April 1, 1937.

(c) Excess of re-exports.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE ( <i>Cont.</i> )			
Hong Kong (total imports)—			
Slabs and ingots .. .. .	9,032	8,535	6,739
Palestine—			
Ingots and bars .. .. .	38	31	23
Tin-foil .. .. .	2	1	1
Australia—			
Ingots .. .. .	2	27	90
New Zealand—			
Ingots, etc. .. .. .	232	274	256
FOREIGN COUNTRIES			
Albania—			
Ingots, bars and sheets ..	14	10	14
Austria—			
Crude, scrap and alloys .. ..	699	703	815
Belgium-Luxemburg E.U.—			
Ore .. .. .	8,630	9,607	11,887
Ingots, pigs, scrap, etc. .. ..	3,414	3,402	3,881
Sheets, wire, etc. .. .. .	102	140	96
Bulgaria—			
Crude, bars, sheets, scrap, etc. ..	266	211	169
Czecho-Slovakia—			
Crude, scrap, and alloys .. ..	1,777	1,871	1,662
Denmark—			
Crude and scrap .. .. .	687	730	791
Sheets, wire, etc. .. .. .	8	7	3
Tin-foil .. .. .	64	44	49
Estonia—			
Crude and scrap .. .. .	30	42	39
Finland (total imports)—			
Ingots, bars and scrap .. .. .	257	294	330
Tin solder .. .. .	12	31	16
France—			
Ore .. .. .	122	32	167
Pigs, bars, etc. .. .. .	9,841	9,431	9,250
do. (alloyed with antimony) ..	35	53	21
Scrap .. .. .	190	348	118
Sheets and wire .. .. .	68	58	36
Germany—			
Ore .. .. .	1,539	6,519	6,045
Crude, scrap and alloys .. .. .	9,032	10,157	11,899
Sheets and wire .. .. .	7	10	10
Tin-foil .. .. .	1	—	1

## IMPORTS OF TIN (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Greece .. .. .	216	228	250
Hungary—			
Crude and scrap .. .. .	638	618	719
Foil .. .. .	4	5	2
Italy—			
Ingots, bars, scrap and alloys ..	3,658	3,587	4,413
Sheets, tubes, wire and alloys ..	46	75	64
Latvia—			
Ingots and scrap .. .. .	63	94	95
Lithuania—			
Sheets and scrap .. .. .	33	20	24
Netherlands—			
Ore .. .. .	32,263	39,648	38,210
Blocks .. .. .	305	631	1,472
Sheets, wire, etc. .. .. .	54	41	29
Norway—			
Crude .. .. .	436	459	367
Bars, sheets, filings, etc. .. ..	79	84	11
Poland—			
Ingots, bars and sheets .. .. .	1,322	1,271	1,819
Portugal—			
Sheets, wire, etc. .. .. .	165	219	137
Roumania—			
Ingots, bars and scrap .. .. .	274	400	323
Sheets, plates, tubes, wire and foil	28	4	25
Sweden—			
Crude .. .. .	1,705	1,901	2,885
Switzerland—			
Pigs, bars and slabs .. .. .	1,163	1,175	1,301
Sheets, wire, foil, etc. .. .. .	14	12	10
U.S.S.R.—			
Blocks, pigs and scrap (b) .. ..	9,664	12,309	(c) 7,847
Yugoslavia—			
Crude and scrap .. .. .	392	326	350
Bars, sheets, wire, foil, etc. ..	11	8	7

(b) Figures as per U.S.S.R. returns. The following amounts are recorded as exported to the U.S.S.R. by the undermentioned countries:—

	1937	1938
United Kingdom .. .. .	13,678 long tons.	6,715 long tons.
Belgium-Luxemburg E.U.	2,526 " "	2,740 " "
Netherlands .. .. .	8,898 " "	5,225 " "

(c) January to September only.

## IMPORTS OF TIN (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Crude, sheets and alloys, etc. ..	212	267	145
Belgian Congo .. .. .	8	—	—
Egypt—			
Crude and scrap .. .. .	483	454	488
Madagascar—			
Bars, sheets, etc. .. .. .	41	40	28
Morocco (French)—			
Ingots, sheets and wire .. .. .	29	21	(a)
Mozambique—			
Bars, sheets, etc. .. .. .	20	4	(a)
Tunis—			
Pigs, bars, and sheets .. .. .	103	53	110
Cuba (total imports)—			
Ingots .. .. .	81	95	(a)
Bars, sheets, etc. .. .. .	114	123	(a)
Mexico—			
Ingots .. .. .	53	42	56
United States—			
Ore ( <i>Sn content</i> ) .. .. .	179	151	—
Blocks, pigs, bars, etc. .. .. .	75,643	87,802	109,119
Argentina—			
Ingots and sheets .. .. .	975	775	705
Brazil (total imports)—			
Ingots and bars .. .. .	849	914	682
Colombia—			
Ingots, bars, sheets, etc. .. .. .	37	42	20
Chile—			
Ingots .. .. .	145	208	200
Bars and sheets .. .. .	1	1	(a)
Peru—			
Bars, sheets, etc. .. .. .	63	65	54
Uruguay—			
Ingots .. .. .	179	125	(a)
Venezuela—			
Crude .. .. .	13	31	162
China—			
Ingots and slabs .. .. .	64	66	158
Tin and lead foils .. .. .	26	5	2

(a) Information not available.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Formosa—			
Ingots, slabs, etc. . . . .	139	(a)	(a)
French Indo-China—			
Ingots and alloys . . . . .	2,263	2,873	2,635
Sheets . . . . .	50	24	5
Iran (total imports) ( <i>b</i> )—			
Ingots, sheets and wire . . . . .	(a)	203	315
Iraq—			
Crude, etc. . . . .	59	43	93
Sheets, wire, etc. . . . .	318	83	698
Japan (total imports)—			
Ingots and slabs . . . . .	4,544	(a)	(a)
Manchuria—			
Ingots and slabs . . . . .	200	372	(a)
Netherlands East Indies—			
Crude, sheets, tin-foil, etc. . . . .	118	136	(a)
Philippine Islands—			
Ingots . . . . .	132	77	96
Tin-foil . . . . .	20	71	64
Siam (total imports)—			
Crude . . . . .	40	50	125
Syria and Lebanon—			
Ingots and sheets . . . . .	88	22	14
Turkey—			
Ore . . . . .	1	7	8
Ingots, scrap, etc. . . . .	433	584	626

(a) Information not available.

(b) Years ended June 21.



## TITANIUM MINERALS

## PRODUCTION OF TITANIUM MINERALS

(Long tons)

Producing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
South West Africa—			
Rutile .. .. .	54	16	—
Canada (shipments)—			
Titaniferous iron ore .. .. .	2,291	3,776	185
Federated Malay States (exports)—			
Ilmenite .. .. .	10,314	6,252	6,462
India—			
Ilmenite .. .. .	140,477	181,047	252,220
Australia—			
Ilmenite .. .. .	(b)	670	(a)
Rutile .. .. .	(b)	1,123	(a)
Rutile-ilmenite .. .. .	(b)	72	(a)
FOREIGN COUNTRIES			
Norway—			
Ilmenite .. .. .	66,133	66,270	(a)
Rutile .. .. .	195	184	(a)
Portugal—			
Ilmenite .. .. .	521	1,433	559
Cameroon (French)—			
Rutile .. .. .	54	101	116
Egypt .. .. .	24	315	89
Senegal—			
Ilmenite .. .. .	3,850	3,026	8,303
Brazil (exports)—			
Ilmenite .. .. .	9	230	312
Rutile .. .. .	710	644	211

NOTE.—Titanium minerals are also produced in the United States, but figures are not available for publication. In recent years, however, the production of ilmenite has varied between 1,000 and 5,000 tons, and the production of rutile has been several hundred tons.

(a) Information not available.

(b) Zircon-rutile-ilmenite sands were produced in New South Wales, but only the Zircon was recovered.

## EXPORTS OF TITANIUM MINERALS, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
South West Africa—			
Rutile .. .. .	1	52	—
British Malaya—			
Ilmenite .. .. .	10,314	6,252	6,462
India (Travancore)—			
Ilmenite .. .. .	123,806	199,834	187,998
FOREIGN COUNTRIES			
Czecho-Slovakia—			
Titanium white .. .. .	(a)	125	80
France—			
Titanium oxide .. .. .	607	598	459
Italy—			
Titanium metal .. .. .	—	5	—
Titanium white .. .. .	39	26	62
Norway—			
Ilmenite .. .. .	63,094	50,703	54,656
Rutile .. .. .	118	103	66
Titanium white .. .. .	1,344	1,431	1,634
Cameroon (French)—			
Rutile .. .. .	54	101	180
French West Africa (Senegal)—			
Ilmenite .. .. .	3,177	1,006	7,354
United States—			
Titanium oxide and pigments ..	(a)	1,304	1,830
Brazil—			
Ilmenite .. .. .	9	230	312
Rutile .. .. .	710	644	211

(a) Information not available.

## IMPORTS OF TITANIUM MINERALS, ETC.\*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Titanium ores .. .. .	(b) 16,445	26,369	16,729
FOREIGN COUNTRIES			
Austria—			
Titanium white .. .. .	229	287	69
Czecho-Slovakia—			
Titanium white .. .. .	(a)	156	113
France—			
Titanium oxide .. .. .	1,300	1,192	964
Iceland—			
Titanium white .. .. .	25	26	(a)
Italy—			
Ferro-titanium .. .. .	49	—	20
Netherlands—			
Titanium oxide .. .. .	356	498	413
Titanium white .. .. .	338	148	199
Poland—			
Titanium white .. .. .	241	144	230
U.S.S.R.—			
Ferro-titanium .. .. .	214	(a)	(a)
United States—			
Ilmenite .. .. .	127,446	153,993	201,546
Rutile .. .. .	455	594	206
Ferro-titanium .. .. .	1	2	—
Titanium compounds .. .. .	57	8	—
Japan—			
Titanium oxide .. .. .	1,012	(a)	(a)

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

(a) Information not available.

(b) Including a small amount of zirconium minerals.

## TUNGSTEN

 PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES  
 (Long tons)

Producing Country.	1936	1937	1938	Estimated WO <sub>3</sub> Content.		
				1936	1937	1938
BRITISH EMPIRE						
United Kingdom—						
Concentrates ..	189	127	218	130	83	152
Nigeria—						
Concentrates ..	6	8	48	4	5	31
South West Africa—						
Wolfram ..	38	28	36	27	19	25
Scheelite ..	2	9	8	1	5	5
Southern Rhodesia—						
Concentrates ..	94	246	299	61	160	194
Tanganyika Territory—						
Wolfram ..	2	2	3	1	1	2
Uganda—						
Wolfram ..	—	1	1	—	1	1
Union of South Africa—						
Tungsten ore ..	29	34	110	18	25	75
Burma—						
Concentrates ..	4,552	4,998	5,343	2,959	3,249	3,473
Federated Malay States—						
Wolfram ..	3	27	29	2	19	20
Scheelite ..	1,364	836	573	982	602	412
India—						
Concentrates ..	—	13	10	—	8	6
Unfederated Malay States—						
Wolfram ..	282	242	289	183	157	187
Australia—						
Wolfram ..	332	726	979	216	472	636
Scheelite ..	12	12	40	8	8	26
New Zealand—						
Concentrates ..	28	24	46	18	16	30
FOREIGN COUNTRIES						
France—						
Tungsten ore ..	—	1	21	—	—	13
Italy—						
Tungsten ore ..	11	5	7	4	2	3

## PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country.	1936	1937	1938	Estimated WO <sub>3</sub> Content.		
				1936	1937	1938
FOREIGN COUNTRIES (Cont.)						
Norway—						
Wolfram ..	—	3	(a)	—	2	(a)
Portugal—						
Concentrates ..	1,282	1,776	2,381	812	1,190	1,603
Tin-tungsten ores	109	90	138	36	33	57
Sweden—						
Tungsten ore ..	66	136	195	36	75	108
Egypt—						
Tungsten ore ..	—	176	(a)	—	(a)	(a)
Morocco (French)—						
Tungsten ore ..	—	—	6	—	—	4
Mexico .. ..	51	30	69	33	20	45
United States—						
Concentrates ..	2,332	3,125	2,718	1,399	1,875	1,631
Argentina—						
Concentrates ..	645	752	(a)	450	520	(a)
Bolivia (exports)—						
Concentrates ..	1,685	1,774	2,490	1,028	1,064	1,494
Brazil (exports)—						
Tungsten ore ..	—	7	2	—	4	1
Chile—						
Concentrates ..	4	4	(a)	2	3	(a)
Peru—						
Concentrates ..	94	70	(b)157	24	17	(b)100
China (exports)—						
Ore .. ..	6,939	16,257	12,163	4,510	10,567	7,906
French Indo-China—						
Concentrates ..	420	571	879	297	383	571
Japan—						
Scheelite ..	55	(a)	(a)	36	(a)	(a)
Korea—						
Ore .. ..	1,680	1,900	(a)	1,092	1,230	(a)
Netherlands East Indies—						
Concentrates ..	1	—	—	1	—	—
Siam—						
Concentrates ..	76	89	227	49	58	147

Tungsten ores are also produced in U.S.S.R. and Spain.

(a) Information not available.

(b) Exports.

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

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. .. .	244	192	376
Ferro-tungsten .. .. .	960	1,060	517
Tungsten powder, wire, etc. .. .	89	172	36
Nigeria—			
Tungsten ore .. .. .	10	8	35
Southern Rhodesia—			
Tungsten ores .. .. .	96	234	201
South West Africa—			
Tungsten ore .. .. .	40	30	48
British India—			
Tungsten and tin-tungsten ores ..	8,427	2,664	8
British Malaya (including re- exports)—			
Wolfram .. .. .	295	240	373
Scheelite .. .. .	1,365	836	282
Burma—			
Tungsten ore .. .. .	(b)	(b)7,462	10,431
Hong Kong (including re- exports)—			
Tungsten ore .. .. .	5,279	4,657	4,811
Australia—			
Wolfram .. .. .	298	717	1,057
New Zealand—			
Scheelite .. .. .	41	37	49
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Tungsten ore .. .. .	1,962	1,207	996
Czecho-Slovakia—			
Tungsten ore .. .. .	—	—	3
Finland—			
Ferro-tungsten .. .. .	194	303	50
Norway—			
Tungsten ore .. .. .	—	1	17
Portugal—			
Tungsten ore .. .. .	1,301	1,786	2,411

(b) Included with India prior to April 1, 1937.

## EXPORTS OF TUNGSTEN, ETC. (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ferro-tungsten .. .. .	1,320	1,762	1,510
Mexico—			
Tungsten ore ( $WO_3$ content) ..	51	—	18
United States—			
Tungsten and ferro-tungsten ..	46	201	114
Argentina—			
Tungsten ore .. .. .	629	743	1,023
Bolivia—			
Tungsten ore ( $WO_3$ content) ..	1,028	1,064	1,494
Brazil—			
Tungsten ore .. .. .	—	7	2
Peru—			
Tungsten ore ( $WO_3$ content) ..	55	101	100
China—			
Tungsten ore .. .. .	6,939	16,257	12,163
French Indo-China—			
Tungsten ore .. .. .	482	490	465
Korea—			
Tungsten ore .. .. .	901	1,393	1,830
Siam (including re-exports)—			
Tungsten ore .. .. .	74	201	231

## IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. .. .	8,806	8,670	6,758
Tungsten powder, wire, etc. ..	2	3	3
Hong Kong (total imports)—			
Tungsten ore .. .. .	1,676	3,674	2,813
British Malaya (total imports)—			
Wolfram .. .. .	2	—	45
Scheelite .. .. .	—	1	1
FOREIGN COUNTRIES			
Austria—			
Ferro-tungsten .. .. .	418	959	351
Belgium-Luxemburg E.U.—			
Tungsten ore .. .. .	1,915	1,021	756
Finland (total imports)—			
Tungsten ore .. .. .	176	489	63
Germany—			
Tungsten ore .. .. .	8,588	11,192	13,976
Italy—			
Tungsten metal .. .. .	3	2	7
Ferro-tungsten .. .. .	6	33	88
Norway—			
Ferro-tungsten, etc. .. .. .	29	34	48
Sweden—			
Ferro-tungsten .. .. .	37	92	10
U.S.S.R.—			
Tungsten ore .. .. .	1,499	2,179	(b)2,045
Ferro-tungsten .. .. .	848	(a)	(a)
United States (total imports)—			
Tungsten ore ( $WO_3$ content) ..	2,345	3,413	558
Tungsten and tungsten alloys ( $WO_3$ content) .. .. .	102	76	13

(a) Information not available.

(b) January to September only.



## URANIUM MINERALS

### PRODUCTION OF URANIUM MINERALS (Cwt.)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Canada .. .. .	(b)	(b)	(b)
<b>FOREIGN COUNTRIES</b>			
Czecho-Slovakia ( $U_3O_8$ ) .. ..	316	217	(a)
Portugal ( $U_3O_8$ ) .. .. .	211	(c)	(a)
United States ( $U_3O_8$ ) .. .. .	189	219	544

Uranium minerals are also produced in U.S.S.R. and the Belgian Congo.

(a) Information not available.

(b) The production of radium and uranium salts were :—

	Radium	Uranium salts
	mgrams.	Lb.
1936 .. .. .	15,541	211,857
1937 .. .. .	23,770	546,000
1938 .. .. .	70,000	(a)

(c) The content of radium in salts was 2,900 mgrams.

### EXPORTS OF URANIUM MINERALS, ETC.

#### (Domestic Produce)

Exporting Country and Description,	Unit	1936	1937	1938
<b>FOREIGN COUNTRIES</b>				
Belgium-Luxemburg E.U.— Uranium oxide .. .. .	Cwt.	2,951	1,614	2,553
France— Radium and radium products .. .. .	Lb.	11,900	18,700	5,300
Belgian Congo— Uranium minerals .. .. .	Cwt.	—	20,714	—
Madagascar— Uranium minerals .. .. .	Cwt.	—	394	—

## IMPORTS OF URANIUM MINERALS, ETC.

*(Less Re-exports)*

Importing Country and Description.	Unit	1936	1937	1938
BRITISH EMPIRE				
United Kingdom—				
Uranium minerals ..	Cwt.	(b) 1	—	8
Radium compounds ..	Grains	69	20	18
Canada—				
Radium .. .. .	£	21,925	1,296	4,578
New Zealand—				
Radium .. .. .	£ N.Z.	—	65	—
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Uranium oxide .. ..	Cwt.	4	8	—
France—				
Uranium oxide .. ..	Cwt.	49	37	16
Other uranium salts ..	do.	8	2	6
Radium and radium products .. .. .	Lb.	57	20	754
Norway—				
Radium .. .. .	£	5,325	—	—
Egypt—				
Radium .. .. .	£	6,984	—	6,985
United States—				
Uranium oxide and salts	do.	3,045	1,817	3,363
Radium salts .. .. .	£	140,900	76,400	160,500

*(b) Excess of re-exports.*

## VANADIUM

### PRODUCTION OF VANADIUM ORES

(In terms of metal)

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Northern Rhodesia .. .. .	201	232	368
South West Africa .. .. .	539	583	549
<b>FOREIGN COUNTRIES</b>			
Mexico .. .. .	—	44	177
United States .. .. .	62	485	720
Peru (exports) .. .. .	110	1,024	1,451

### EXPORTS OF VANADIUM

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
Northern Rhodesia—			
Concentrates .. .. .	1,399	1,260	—
Oxide .. .. .	192	286	718
South West Africa—			
Concentrates .. .. .	5,262	5,096	4,513
<b>FOREIGN COUNTRIES</b>			
France—			
Oxide .. .. .	2	—	1
Italy—			
Ferro-vanadium .. .. .	—	10	1
Mexico ( <i>V content of Ore</i> ) .. .. .	—	44	195
Peru—			
Concentrates .. .. .	1,624	6,520	10,582

## IMPORTS OF VANADIUM

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES			
France—			
Oxide .. .. .	6	39	84
Italy—			
Ferro-vanadium .. .. .	17	14	12
Norway—			
Ferro-vanadium, etc. .. .. .	29	34	48
U.S.S.R.—			
Ferro-vanadium .. .. .	128	(a)	(a)
United States—			
Ore .. .. .	1,667	6,610	8,912

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

(a) Information not available.

## ZINC

## PRODUCTION OF ZINC ORE

*(In terms of metal)*

(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom .. .. .	4,249	7,588	11,486
Northern Rhodesia .. .. .	26,155	18,844	12,498
Canada (shipments) (b) .. .. .	159,640	183,293	(e)185,000
Newfoundland .. .. .	63,354	63,137	65,891
Burma .. .. .	61,300	58,600	54,900
Australia .. .. .	172,414	203,456	219,779
Total ..	487,000	535,000	550,000
FOREIGN COUNTRIES			
Austria .. .. .	3,197	2,920	(d)
Bulgaria .. .. .	—	—	300
Belgium (c) .. .. .	2,000	3,000	3,000
Czecho-Slovakia .. .. .	1,342	1,919	(a)
Finland .. .. .	1,081	868	389
France .. .. .	—	891	(a)
Germany .. .. .	154,038	162,918	(e)200,000
Greece .. .. .	3,432	9,766	(a)
Italy .. .. .	68,634	(e)70,000	(e) 75,000
Norway .. .. .	7,583	8,658	8,000
Poland .. .. .	58,000	68,000	69,000
Portugal .. .. .	4	9	(a)
Roumania .. .. .	7,973	6,184	(a)
Spain (estimated) .. .. .	30,000	20,000	30,000
Sweden .. .. .	33,747	35,433	34,024
U.S.S.R. (smelter) (e) .. .. .	65,000	70,000	70,000

(a) Information not available.

(b) The amount estimated as recoverable was—

1936 .. 148,742 long tons.

1937 .. 165,329 ..

1938 .. 170,315 ..

(c) *Metallgesellschaft* estimate.

(d) Included with Germany.

(e) Estimated.

## PRODUCTION OF ZINC ORE (Cont.)

Producing Country.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Yugoslavia .. .. .	52,000	48,000	41,000
Algeria .. .. .	3,102	8,229	6,860
Belgian Congo .. .. .	377	3,009	4,000
French Equatorial Africa .. .. .	—	869	1,600
French Morocco .. .. .	422	4,920	3,000
Tunis .. .. .	1,070	1,180	358
Mexico .. .. .	147,878	152,183	169,498
United States .. .. .	513,905	559,252	461,338
Argentina .. .. .	2,916	15,405	(a)
Bolivia (exports) .. .. .	13,340	11,347	10,537
Peru .. .. .	11,061	17,975	(c) 14,336
China (estimated) .. .. .	4,500	4,000	(a)
French Indo-China .. .. .	5,139	4,880	5,080
Japan (b) .. .. .	18,000	20,000	22,000
Korea (ore) .. .. .	5,483	(a)	(a)
Turkey .. .. .	10,200	10,500	13,400
Total .. .. .	1,220,000	1,320,000	1,290,000
WORLD'S TOTAL .. .. .	1,710,000	1,860,000	1,840,000

(a) Information not available.

(b) *Metallgesellschaft* estimate.

(c) Exports.

METAL PRODUCTION OF ZINC  
(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE</b>			
United Kingdom (b) .. ..	65,000	62,000	55,000
Northern Rhodesia .. ..	20,730	14,031	10,215
Canada .. ..	134,913	141,555	153,511
Australia .. ..	70,509	69,750	69,820
Total ..	291,000	287,000	289,000
<b>FOREIGN COUNTRIES</b>			
Belgium .. ..	198,504	214,311	207,000
Czecho-Slovakia .. ..	7,549	7,220	8,736
France.. ..	49,268	60,000	60,000
Germany .. ..	131,647	161,227	191,300
Italy .. ..	26,598	37,382	33,103
Netherlands .. ..	15,184	24,256	24,900
Norway .. ..	44,317	40,624	45,000
Poland .. ..	91,118	105,481	106,364
Spain (e) .. ..	7,700	5,200	7,500
U.S.S.R. (e) .. ..	65,000	70,000	70,000
Yugoslavia .. ..	3,542	4,933	4,566
Mexico .. ..	31,702	33,558	36,910
United States (c) .. ..	439,404	497,236	398,519
French Indo-China .. ..	4,047	4,138	4,399
Japan .. ..	38,449	(e)45,000	(e) 50,000
Total ..	1,160,000	1,310,000	1,250,000
WORLD'S TOTAL ..	1,450,000	1,600,000	1,540,000

(b) Includes some secondary.

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

	1936	1937	1938
A—High grade .. ..	164,144	175,046	125,229
B—Intermediate grade..	53,463	59,939	51,900
C & D—Select and brass special .. ..	58,686	65,172	65,825
E—Prime western .. ..	200,797	243,108	183,791

(e) Estimated.

PRODUCTION OF ELECTROLYTIC ZINC  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Northern Rhodesia .. .. .	20,730	10,285	7,126
Canada .. .. .	134,913	141,555	153,511
Australia (Tasmania) .. .. .	70,509	69,750	69,820
FOREIGN COUNTRIES			
Belgium .. .. .	6,269	7,739	8,050
France.. .. .	20,100	24,250	28,300
Germany .. .. .	37,712	39,733	(a)
Italy .. .. .	19,212	29,902	27,136
Norway .. .. .	44,317	40,624	45,000
Poland .. .. .	18,400	19,300	18,600
United States.. .. .	113,549	104,921	83,279
Japan (estimated) .. .. .	12,000	12,000	(a)

(a) Information not available.

PRODUCTION OF ZINC DUST  
(Long tons)

Producing Country.	1936	1937	1938
BRITISH EMPIRE			
Canada (estimated) .. .. .	100	100	100
FOREIGN COUNTRIES			
Belgium .. .. .	6,594	8,887	7,050
Czecho-Slovakia .. .. .	49	430	(a)
Germany .. .. .	7,520	9,227	7,179
Poland .. .. .	3,740	6,308	5,542
Yugoslavia .. .. .	594	(a)	(a)
United States .. .. .	12,879	13,609	10,365
Japan .. .. .	3,400	(a)	(a)

(a) Information not available.



## PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS

(Long tons)

Producing Country.	1936	1937	1938
<b>BRITISH EMPIRE.</b>			
United Kingdom .. .. .	23,000	21,500	18,850
<b>FOREIGN COUNTRIES.</b>			
Austria .. .. .	2,018	1,929	(a)
Belgium .. .. .	62,546	71,890	52,000
Czecho-Slovakia .. .. .	3,919	4,049	(a)
France .. .. .	52,000	45,000	32,500
Germany .. .. .	71,762	67,611	(a)
Hungary .. .. .	1,936	2,056	(a)
Poland .. .. .	17,621	17,233	23,400
Spain .. .. .	2,400	1,800	3,500
Yugoslavia .. .. .	750	800	900
United States .. .. .	49,057	51,871	40,960

(a) Information not available.

EXPORTS OF ZINC  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	9,960	23,028	24,835
Spelter .. .. .	3,177	4,914	4,217
Sheets, plates, etc. .. .. .	2,724	1,696	991
Oxide .. .. .	13,655	14,990	14,444
Lithopone .. .. .	6,569	7,877	6,968
Northern Rhodesia—			
Ingots .. .. .	19,919	17,179	6,683
Southern Rhodesia—			
Bars, sheets, wire, etc. .. .. .	12	10	18
Union of South Africa—			
Bars, sheets, etc. .. .. .	—	15	85
Canada—			
Ore ( <i>Zn content</i> ) .. .. .	17,470	29,328	20,465
Spelter .. .. .	125,189	119,812	118,046
Dross, scrap and ashes .. .. .	2,235	2,854	1,055
Newfoundland—			
Concentrates .. .. .	115,195	107,564	(c) 124,331
British India—			
Spelter, etc. .. .. .	88,845	23,886	364
British Malaya (including re-exports)—			
Sheets .. .. .	240	116	63
Burma—			
Spelter .. .. .	(b)	(b) 59,312	64,651
Cyprus—			
Ores, etc. .. .. .	—	—	90
Hong Kong (including re-exports)—			
Sheets .. .. .	2,201	1,739	840
Australia—			
Ores and concentrates ( <i>Zn content</i> )	86,157	86,295	93,561
Dust ( <i>£ Australian</i> ) .. .. .	—	(£112)	(£633)
Bars, rods, sheets, etc. .. .. .	44,557	39,962	41,689
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	5,933	5,210	1,245
Spelter, scrap and alloys .. .. .	804	760	92
Sheets, bars, etc. .. .. .	107	60	27
Zinc-white and zinc-grey .. .. .	22	27	10
Lithopone, etc. .. .. .	67	5	—

(b) Included with India prior to April 1, 1937.

(c) Year ended June 30.

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Ore .. .. .	57,290	68,682	73,830
Spelter and scrap .. .. .	94,809	150,254	130,034
Sheets and wire .. .. .	44,752	45,952	37,041
Dust .. .. .	5,795	6,458	5,646
Oxide .. .. .	5,039	5,278	5,456
Lithopone .. .. .	15,835	17,087	16,335
Czecho-Slovakia—			
Ore .. .. .	841	966	—
Spelter, scrap and alloys .. .. .	805	5,194	1,640
Sheets and plates .. .. .	264	217	398
Zinc-white and zinc-grey .. .. .	347	266	126
Lithopone .. .. .	605	621	653
Denmark—			
Spelter, sheets and scrap .. .. .	449	273	(a)
Estonia—			
Spelter, dust and scrap .. .. .	35	43	16
France—			
Ore .. .. .	25,761	53,861	37,754
Spelter, bars and scrap .. .. .	106	337	4,404
Sheets .. .. .	1,293	1,353	2,067
Oxide .. .. .	2,659	2,247	2,007
Lithopone, etc. .. .. .	399	406	452
Germany—			
Ore .. .. .	18,456	44,183	46,306
Spelter, dust, scrap and alloys .. .. .	240	168	6,781
Sheets and wire .. .. .	7,948	5,681	5,980
Zinc-white and zinc-grey .. .. .	13,576	11,592	} 33,230
Lithopone .. .. .	18,001	25,224	
Greece—			
Ore .. .. .	(a)	15,419	12,458
Hungary—			
Sheets .. .. .	124	70	46
Italy—			
Ore .. .. .	51,838	73,750	75,914
Spelter, scrap and alloys .. .. .	4	399	5
Sheets, wire and alloys, etc. .. .. .	62	153	34
Oxide .. .. .	37	45	117
Lithopone .. .. .	256	2,093	1,861
Latvia—			
Spelter and scrap .. .. .	63	—	—
Zinc-white .. .. .	9	5	1
Lithuania—			
Spelter .. .. .	49	62	87

(a) Information not available.

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	7,191	450	—
Spelter and scrap .. .. .	15,935	24,930	15,653
Sheets .. .. .	2,131	2,568	3,330
Oxide .. .. .	47	95	17
Norway—			
Ore .. .. .	16,980	16,960	14,420
Electrolytic zinc .. .. .	42,539	36,626	43,652
Bars, sheets, wire, etc. .. .. .	—	2	—
Ashes and scrap .. .. .	488	968	327
Poland—			
Ores and slag .. .. .	2	(c) (b)	59,552
Spelter, dust and scrap .. .. .	64,259	73,562	61,842
Sheets, tubes and wire .. .. .	7,690	5,829	6,136
Zinc-white and lithopone .. .. .	6,363	8,160	8,953
Portugal—			
Bars .. .. .	(a)	137	(a)
Roumania—			
Ore .. .. .	5,832	14,986	11,318
Sweden—			
Ore .. .. .	66,903	70,151	66,507
Spelter and scrap .. .. .	1,874	1,973	1,407
Zinc-white .. .. .	11	1	2
Switzerland—			
Spelter and scrap .. .. .	2,731	3,517	2,299
Zinc-white, etc. .. .. .	1	1	2
Yugoslavia—			
Ore .. .. .	77,386	63,978	69,597
Spelter and dust .. .. .	672	1,945	1,578
Plates and sheets .. .. .	8	1	1
Zinc-white .. .. .	60	5	—
Lithopone .. .. .	5	5	—
Algeria—			
Ore .. .. .	8,656	17,389	8,195
Spelter, plates and scrap .. .. .	256	478	486
Oxide .. .. .	—	1	2
Belgian Congo—			
Ore .. .. .	1,826	2,561	6,820
Egypt—			
Spelter and scrap .. .. .	30	90	1

(a) Information not available.

(b) Includes tailings, etc.

(c) See note (b) page 436.

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
French Equatorial Africa—			
Ore .. .. .	—	1,488	(a)
Morocco (French)—			
Ore .. .. .	761	7,619	(a)
Scrap .. .. .	77	107	(a)
Tunis (including re-exports)—			
Ore .. .. .	2,264	3,927	1,028
Cuba—			
Scrap .. .. .	—	99	(a)
Mexico—			
Ores and concentrates ( <i>Zn content</i> )	110,842	111,595	126,633
Spelter .. .. .	25,928	36,820	29,711
United States—			
Ore and dross ( <i>Zn content</i> ) ..	219	281	120
Spelter .. .. .	33	222	} 5,121
Sheets, strips, etc. .. .. .	4,003	5,190	
Dust .. .. .	1,601	1,915	2,011
Oxide .. .. .	1,188	2,637	1,038
Lithopone .. .. .	2,266	2,385	1,548
Argentina—			
Ore .. .. .	5,158	6,152	4,396
Slag and ash .. .. .	1,962	1,683	1,037
Spelter, bars and sheets .. .. .	3	3	—
Bolivia—			
Ores ( <i>Zn content</i> ) .. .. .	13,340	11,347	10,537
Colombia—			
Ore .. .. .	—	56	2
Peru—			
Ores, etc. ( <i>Zn content</i> ) .. .. .	25,632	15,747	14,336
China—			
Ore .. .. .	10,405	1,624	14
Spelter .. .. .	—	56	208
French Indo-China—			
Ore .. .. .	1,499	295	—
Spelter and scrap .. .. .	6,021	3,771	4,546
Sheets .. .. .	6	—	3
Japan—			
Oxide .. .. .	1,425	1,093	586
Lithopone .. .. .	(a)	1,198	663
Korea—			
Ore .. .. .	6,465	5,838	7,352
Turkey—			
Ore .. .. .	16,856	24,604	25,609
Spelter, scrap and alloys .. .. .	479	69	46

(a) Information not available.

## IMPORTS OF ZINC

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1936	1937	1938
BRITISH EMPIRE			
United Kingdom—			
Ore and ashes .. .. .	129,442	150,138	156,586
Spelter .. .. .	170,545	173,383	162,529
Sheets, plates, etc. .. .. .	9,449	8,966	7,872
Oxide .. .. .	764	927	497
Lithopone .. .. .	14,701	15,640	14,905
Eire—			
Sheets and plates .. .. .	604	618	557
Kenya and Uganda—			
Bars, plates and sheets .. .. .	10	19	7
Southern Rhodesia—			
Sheets, dust, etc. .. .. .	684	579	496
South West Africa—			
Spelter, sheets, etc. .. .. .	5	3	6
Union of South Africa—			
Spelter .. .. .	3,033	3,033	2,468
Sheets .. .. .	1,945	2,340	1,763
Dust and shavings.. .. .	693	933	887
Canada—			
Spelter .. .. .	—	1	1
Dust .. .. .	723	669	613
Sheets, plates, bars etc. .. .. .	2,567	3,152	3,026
Zinc-white .. .. .	5,911	6,465	5,577
Lithopone .. .. .	8,419	9,894	7,916
British India—			
Spelter .. .. .	21,232	24,123	21,228
Sheets, etc. .. .. .	1,491	1,158	858
Zinc-white .. .. .	1,575	1,365	1,075
Lithopone .. .. .	1,346	2,060	1,475
British Malaya (total imports)—			
Sheets .. .. .	441	466	249
Burma—			
Spelter .. .. .	(b)	(b)306	573
Zinc-white .. .. .	(b)	(b)112	171
Ceylon—			
Sheets and plates .. .. .	43	55	31

*(b) Included with India prior to April 1, 1937.*

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1936	1937	1938
<b>BRITISH EMPIRE (Cont.)</b>			
Hong Kong (total imports)—			
Sheets .. .. .	1,449	3,285	1,239
Palestine—			
Spelter and sheets .. ..	378	229	162
Australia—			
Dust .. .. .	(£827)	(£881)	(£1,328)
Blocks, sheets, scrap, etc. .. ..	992	1,529	1,415
Oxides .. .. .	337	603	743
Lithopone .. .. .	1,933	2,785	2,375
New Zealand—			
Spelter, bars and sheets .. ..	331	376	420
<b>FOREIGN COUNTRIES</b>			
Albania—			
Zinc sheets .. .. .	4	12	9
Austria—			
Ore .. .. .	—	—	222
Spelter, scrap and alloys .. ..	6,403	8,765	6,884
Sheets, bars, etc. .. .. .	35	142	—
Zinc-white and zinc-grey .. ..	299	255	130
Lithopone, etc. .. .. .	981	994	513
Belgium-Luxemburg E.U.—			
Ore .. .. .	567,118	608,885	528,882
Spelter and scrap .. .. .	12,225	27,113	14,279
Sheets and wire .. .. .	28	56	370
Dust .. .. .	63	173	44
Oxide .. .. .	904	1,327	1,447
Lithopone .. .. .	396	880	469
Bulgaria—			
Spelter, bars, sheets and scrap .. ..	1,035	1,198	1,353
Zinc-white .. .. .	51	79	43
Lithopone .. .. .	134	281	167
Czecho-Slovakia—			
Ore .. .. .	13,016	17,989	13,575
Spelter, scrap and alloys .. ..	11,534	14,984	9,920
Sheets and plates .. .. .	226	172	107
Zinc-white, zinc-grey, etc. .. ..	130	93	291
Denmark—			
Spelter and scrap .. .. .	5,107	3,370	4,295
Plates and sheets .. .. .	4,565	3,216	4,587
Zinc-white .. .. .	1,776	1,646	1,961
Lithopone .. .. .	1,836	1,774	1,991

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Spelter, plates, dust and scrap ..	123	173	194
Zinc-white .. .. .	310	304	358
Lithopone .. .. .	79	146	104
Finland (total imports)—			
Spelter, sheets and scrap ..	1,797	1,890	1,888
Zinc-white .. .. .	1,535	1,672	1,725
Lithopone, etc. .. .. .	443	953	851
France—			
Ore .. .. .	192,841	154,546	189,053
Spelter, bars and scrap .. ..	35,849	34,083	33,683
Sheets .. .. .	1,831	1,548	1,659
Oxide .. .. .	346	405	296
Lithopone .. .. .	66	935	84
Germany—			
Ores .. .. .	118,736	(b)143,952	(b)182,081
Spelter, dust, scrap and alloys ..	71,670	69,600	73,752
Sheets and wire .. .. .	5,049	5,420	6,769
Zinc-white and zinc-grey .. ..	248	252	327
Lithopone .. .. .	3,004	2,648	3,053
Greece—			
Spelter, etc. .. .. .	984	911	1,009
Hungary—			
Spelter and scrap .. .. .	5,070	6,199	8,620
Sheets .. .. .	7	9	7
Dust .. .. .	239	329	(a)
Zinc-white and zinc-grey .. ..	2	3	18
Lithopone .. .. .	70	42	151
Iceland—			
Bars and sheets .. .. .	7	7	(a)
Zinc-white .. .. .	41	58	(a)
Lithopone .. .. .	(a)	33	(a)
Italy—			
Ore and ashes .. .. .	503	150	56
Spelter, matte, scrap and alloyed	3,272	450	924
Sheets, wire, etc., and alloyed ..	203	467	873
Oxide .. .. .	473	1,112	882
Lithopone .. .. .	118	260	312
Latvia—			
Spelter, sheets and scrap ..	647	984	1,009
Zinc-white .. .. .	—	1	5
Lithopone .. .. .	16	28	34

(a) Information not available.

(b) Includes 46,769 tons and 65,327 tons of tailings from Poland during 1937 and 1938, respectively.



## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Spelter, etc. .. .. .	892	625	605
Zinc-white .. .. .	274	229	322
Lithopone .. .. .	85	113	96
Netherlands—			
Ore .. .. .	42,783	50,342	44,717
Spelter and scrap .. .. .	9,668	7,276	10,802
Sheets .. .. .	4,486	4,101	4,979
Zinc-white .. .. .	2,185	2,223	3,137
Lithopone .. .. .	1,151	1,888	1,380
Oxide .. .. .	1,492	6,005	5,685
Norway—			
Ore .. .. .	91,133	75,347	109,379
Ashes and scrap .. .. .	69	78	754
Spelter .. .. .	821	1,372	1,286
Bars and sheets .. .. .	1,948	1,924	1,898
Zinc-white .. .. .	1,478	1,405	1,789
Lithopone .. .. .	206	265	365
Poland—			
Ores and slag .. .. .	71,810	113,756	102,424
Spelter, dust and scrap .. .. .	64	134	6
Sheets, etc. .. .. .	22	30	26
Zinc-white and lithopone .. .. .	95	130	165
Portugal—			
Sheets, etc. .. .. .	647	683	512
Oxide .. .. .	441	511	(a)
Lithopone .. .. .	890	810	(a)
Roumania—			
Spelter and scrap .. .. .	736	5,323	4,043
Sheets, plates and wire .. .. .	996	1,007	676
Zinc-white and zinc-grey .. .. .	174	308	145
Lithopone .. .. .	489	607	303
Sweden—			
Spelter and scrap .. .. .	13,041	15,801	21,497
Sheets .. .. .	2,070	2,262	2,093
Zinc-white .. .. .	6,834	7,196	7,854
Lithopone, etc. .. .. .	3,657	4,833	4,702
Switzerland—			
Spelter and scrap .. .. .	5,219	10,276	8,599
Dust .. .. .	359	991	491
Bars, sheets, pipes and wire .. .. .	1,134	988	1,064
Zinc-white, lithopone, etc. .. .. .	4,582	4,822	4,361

(a) Information not available.

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
U.S.S.R.—			
Spelter, etc. .. .. .	85	2,893	(b)387
Yugoslavia—			
Ore .. .. .	676	457	4,199
Spelter and scrap .. .. .	165	29	189
Bars, sheets, wire, etc. .. .. .	45	48	11
Zinc-white, lithopone, etc. .. .. .	127	288	147
Algeria—			
Ore .. .. .	1,068	366	—
Spelter, sheets and scrap .. .. .	731	694	567
Oxide .. .. .	777	565	502
Lithopone, etc. .. .. .	215	214	237
Angola—			
Bars, sheets and tubes .. .. .	16	(a)	(a)
Belgian Congo—			
Spelter, etc. .. .. .	2	4	11
Egypt—			
Spelter, sheets and scrap .. .. .	998	917	982
Zinc-white .. .. .	535	614	481
Madagascar—			
Spelter, bars and sheets .. .. .	74	49	52
Morocco (French)—			
Spelter, sheets and wire .. .. .	189	135	(a)
Oxide .. .. .	23	30	(a)
Lithopone .. .. .	465	401	(a)
Morocco (Spanish)—			
Spelter and sheets .. .. .	27	11	87
Lithopone .. .. .	8	—	1
Mozambique—			
Spelter, bars and sheets .. .. .	101	154	(a)
Tunis—			
Sheets .. .. .	266	191	117
Oxide .. .. .	179	70	110
Cuba (total imports)—			
Sheets .. .. .	76	101	(a)
Mexico—			
Spelter, sheets and scrap .. .. .	997	1,335	992
United States—			
Ore (Zn content) .. .. .	1,762	3,122	4,780
Spelter, dross and scrap .. .. .	10,425	33,956	6,889
Sheets .. .. .	216	207	202
Dust .. .. .	51	61	57
Oxide .. .. .	705	692	576
Lithopone .. .. .	4,269	5,001	3,511

(a) Information not available.

(b) January to September only.

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Spelter and bars .. .. .	5,354	8,623	6,442
Sheets and plates .. .. .	2,630	2,943	2,938
Zinc-white .. .. .	2,005	2,717	3,003
Lithopone, etc. .. .. .	1,944	3,183	2,667
Brazil (total imports)—			
Bars, sheets and plates .. .. .	2,409	2,151	2,870
Zinc-white .. .. .	3,946	3,225	2,972
Chile—			
Spelter .. .. .	831	1,050	869
Bars, sheets, etc. .. .. .	369	283	268
Zinc-white, etc. .. .. .	971	1,024	(a)
Colombia—			
Spelter, sheets, alloys, etc. .. .. .	109	173	261
Zinc-white .. .. .	498	430	323
Peru—			
Spelter, bars, sheets, etc. .. .. .	132	110	180
Zinc-white and lithopone .. .. .	(c) 83	125	128
Uruguay—			
Spelter .. .. .	684	373	402
Sheets .. .. .	284	151	178
Venezuela—			
Spelter .. .. .	400	628	(a)
Zinc-white .. .. .	180	338	(a)
China—			
Spelter and dust .. .. .	3,710	3,706	763
Sheets and plates .. .. .	3,486	5,765	1,223
Zinc-white .. .. .	1,589	1,754	1,099
French Indo-China—			
Spelter .. .. .	8	33	40
Sheets .. .. .	1,434	1,578	874
Oxide .. .. .	215	190	162
Lithopone .. .. .	49	105	108
Iran (total imports) (b)—			
Spelter, sheets and wire .. .. .	(a)	74	100
Iraq—			
Spelter, sheets, etc. .. .. .	15	23	12
Japan (total imports)—			
Ore .. .. .	47,340	(a)	(a)
Spelter .. .. .	41,367	(a)	(a)
Sheets and plates .. .. .	4,457	(a)	(a)

(a) Information not available.

(b) Years ended June 21.

(c) March–December, only.

IMPORTS OF ZINC (*Cont.*)

Importing Country and Description.	1936	1937	1938
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Manchuria—			
Zinc-white .. .. .	601	487	233
Netherlands East Indies—			
Spelter, sheets, wire, alloys, etc...	697	1,218	(a)
Zinc-white .. .. .	1,582	2,462	1,695
Philippine Islands—			
Spelter, bars and sheets .. ..	157	186	195
Oxide .. .. .	850	1,008	814
Siam (total imports)—			
Spelter .. .. .	689	622	522
Syria and Lebanon—			
Spelter .. .. .	7	10	10
Sheets .. .. .	223	131	100
Turkey—			
Spelter, scrap and alloyed ..	512	341	551
Bars, tubes, wire and alloyed ..	1,702	1,245	1,742

(a) Information not available.

## MISCELLANEOUS MINERALS.

These minerals are not separately recorded in the statistical returns of several countries.

Country and Description.	Unit	1936	1937	1938
SELENIUM.				
PRODUCTION—				
Northern Rhodesia .. ..	Lb.	—	1,466	4,078
Canada .. ..	do.	350,857	397,227	358,929
Mexico .. ..	do.	—	617	—
United States .. ..	do.	352,480	435,821	225,674
IMPORTS—				
United Kingdom .. ..	do.	83,734	46,797	59,007
United States .. ..	do.	122,806	92,523	101,034
TANTALITE AND COLUMBITE.				
PRODUCTION—				
Nigeria—				
Columbite .. ..	Lb.	759,000	1,606,000	(a)
Southern Rhodesia—				
Tantalite .. ..	do.	—	1,600	15,900
South West Africa—				
Tantalite concentrates ..	do.	6,720	6,384	4,861
Tin-tantalite .. ..	do.	1,165	1,322	1,366
Uganda (exports)—				
Tantalite .. ..	do.	41,431	61,949	20,066
Union of South Africa—				
Tantalite and columbite ..	do.	13,612	1,604	1,302
India—				
Tantalite .. ..	do.	2,016	1,254	—
Australia—				
Tantalite .. ..	do.	31,400	47,000	26,900
Belgian Congo—				
Tantalite and columbite ..	do.	72,700	264,600	(a)
United States—				
Tantalite and columbite ..	do.	—	16,307	36,189
IMPORTS—				
United Kingdom—				
Tantalum powder, sheet, etc.	do.	247	1,659	759
United States—				
Tantalite and columbite ..	do.	1,017,558	943,551	686,847
EXPORTS—				
United Kingdom—				
Tantalum .. ..	do.	420	1,528	957

(a) Information not available.

## MISCELLANEOUS MINERALS (Cont.)

Country and Description.	Unit	1936	1937	1938
<b>TANTALITE AND COLUMBITE (Cont.)</b>				
<b>EXPORTS (cont.)</b>				
Nigeria—				
Columbite .. .. .	Lb.	1,019,200	1,606,100	726,000
South West Africa—				
Tantalite .. .. .	do.	6,720	6,384	3,920
Uganda—				
Tantalite .. .. .	do.	41,431	61,949	20,066
British India—				
Tantalite .. .. .	do.	2,240	2,240	—
Australia—				
Tantalite .. .. .	do.	31,400	36,800	12,200
Belgian Congo—				
Tantalite and niobium ..	do.	(a)	(a)	148,195
<b>TELLURIUM.</b>				
<b>PRODUCTION—</b>				
Canada .. .. .	Lb.	35,591	41,490	48,237
United States .. .. .	do.	57,956	51,409	11,076
<b>ZIRCONIUM MINERALS.</b>				
<b>PRODUCTION—</b>				
India .. .. .	Ton	2,210	1,329	1,450
Australia—				
Zircon .. .. .	do.	2,851	5,251	(a)
Zircon-rutile-ilmenite ore ..	do.	43	—	(a)
Egypt .. .. .	do.	2	—	—
French West Africa .. .. .	do.	—	16	(a)
Madagascar .. .. .	do.	18	7	—
Brazil (exports) .. .. .	do.	2,239	2,317	1,469
<b>IMPORTS—</b>				
United Kingdom .. .. .	do.	(a)	24	55
United States .. .. .	do.	5,163	7,977	(a)
<b>EXPORTS—</b>				
India (Travancore) (b) .. .. .	do.	2,917	970	1,922
Australia .. .. .	do.	3,496	6,670	83
French West Africa (Zircon-ilmenite) .. .. .	do.	3,177	1,006	7,354
Madagascar (Zircon) .. .. .	do.	19	—	—
Brazil .. .. .	do.	2,239	2,317	1,469

(a) Information not available.

(b) Years ended August.

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Annual Report on the Lands and Mines Department.  
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