

IMPERIAL INSTITUTE

*The Mineral Industry of
the British Empire and
Foreign Countries*

STATISTICAL SUMMARY

(PRODUCTION, IMPORTS AND EXPORTS)

1932-1934

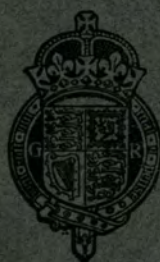
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IMPERIAL INSTITUTE

SOUTH KENSINGTON, S.W.7

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

Intelligence.—Special departments 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 on this subject.

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Publications.—Various publications are issued containing information of an authoritative character dealing with the various raw materials and the related industries.

All enquiries will be promptly dealt with and should be addressed—

The Director, Imperial Institute,

South Kensington, London, S.W.7.

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INTRODUCTORY NOTE

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

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

Trade statistics for France include the trade of the Saar territory.

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

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

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

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

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.

Import statistics for the United States during 1934 refer to imports entering the country for immediate consumption plus withdrawals from bonded warehouse (some of which may afterwards be re-exported); whereas the statistics for the years 1932 and 1933 refer to imports entering the country for immediate consumption plus imports entering for storage in bonded warehouse, less re-exports.

ABRASIVES

PRODUCTION OF NATURAL ABRASIVES (Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE.			
Union of South Africa—			
Corundum	323	1,164	2,859
Canada—			
Grindstones	179	144	} 881
Pulpstones	54	191	
Sharpening stones	61	110	
India—			
Garnet sand	147	295	225
New Zealand—			
Pumice (b)	3,166	2,387	2,491
FOREIGN COUNTRIES.			
Belgium—			
Grindstones (<i>number</i>)	44,820	51,010	(a)
France—			
Millstones	28,200	(a)	(a)
Sharpening stones	200	(a)	(a)
Germany (Bavaria only)—			
Emery	205	209	266
Whetstones	2	—	9
Greece—			
Emery	8,794	7,874	(a)
Millstones (<i>number</i>)	11,025	4,232	(a)
Italy—			
Pumice	42,124	51,966	59,606
Grindstones	108	177	79
Sharpening stones	640	797	(a)
Whetstones	610	604	606
Sweden—			
Millstones, etc.	82	49	130
Yugoslavia—			
Millstones (<i>number</i>)	830	221	692

(a) Information not available.

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

PRODUCTION OF NATURAL ABRASIVES (Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Pumice	—	1,376	3,948
United States—			
Emery	223	943	169
Garnet	1,741	2,495	2,313
Pumice	47,513	54,661	50,151
Tripoli	13,192	18,641	18,329
Millstones, chasers, etc.	(£1,269)	(£2,000)	(£2,000)
Grindstones	5,358	9,997	8,733
Pulpstones	1,488	2,660	2,544
Oilstones, whetstones, etc.	287	524	354
Turkey—			
Emery	6,223	6,905	8,369
Millstones (<i>number</i>)	1,365	2,768	(a)

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

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

	1932	1933	1934
Silicon carbide	2,825	7,042	(a)
Fused alumina	5,945	18,721	(a)

(a) Information not available.

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Abrasives, natural and artificial	2,754	3,409	3,231
Oil stones	10	7	(a)
Grinding wheels of—			
Artificial corundum, etc. ..	68	143	406
Carborundum	166	313	333
Emery	107	164	149
Other hard abrasives	68	145	262
Grindstones, millstones and whetstones	3,711	4,437	4,807
Union of South Africa—			
Corundum	301	805	2,426
Canada—			
Natural abrasives, including diatomaceous earth	1,001	1,611	1,180
Artificial abrasives	10,990	28,078	56,592
Artificial abrasive wheels, etc. ..	(£6,069)	(£7,967)	(£8,775)
Grindstones	(£1,890)	(£630)	(£990)
Cyprus—			
Pumice	—	—	1,286
Hong Kong (including re-exports)—			
Emery, etc.	(£3,955)	(£3,034)	(£4,083)
New Zealand—			
Pumice	3,166	2,387	2,491
FOREIGN COUNTRIES			
Austria—			
Emery, etc.	42	44	62
Pumice	37	42	41
Millstones	152	402	534
Grindstones, natural	85	112	121
do. artificial	70	107	122
Belgium-Luxemburg E.U.—			
Millstones and grindstones	157	215	239
Other abrasives	31	330	136
Bulgaria—			
Millstones, grindstones, etc.	68	60	170
Czechoslovakia—			
Emery and pumice	4	65	94
Carborundum	72	90	89
Grindstones, etc., natural	136	89	144
do. carborundum	343	375	364
do. emery, etc.	475	719	620
Other abrasives	3	24	3

(a) Information not available.

EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Corundum and emery	409	965	1,187
Pumice	268	289	(a)
Millstones and grindstones ..	2,666	2,621	2,955
Whetstones	223	245	281
Carborundum	230	203	} 3,113
Other artificial abrasives	1,841	1,761	
Germany—			
Emery	635	572	683
Carborundum	3,302	5,072	4,720
Millstones, grindstones, etc. ..	7,458	8,674	9,717
Other abrasives	9,593	9,110	9,047
Greece—			
Emery	4,893	6,909	9,838
Hungary—			
Millstones	11	16	15
Grindstones	1	—	1
Italy—			
Emery and corundum	38	26	12
Pumice	33,029	41,288	46,263
Whetstones, natural	241	245	301
Grindstones, natural	19	25	56
Millstones, natural	58	19	6,233
do. artificial	2	—	3
Artificial abrasives	9	5	12
Netherlands—			
Emery	1,345	1,853	2,060
Norway—			
Millstones, grindstones, etc. ..	881	1,506	815
Poland—			
Millstones, grindstones, etc. ..	55	120	159
Roumania—			
Millstones and grindstones ..	3	—	—
Sweden—			
Emery	1	3	9
Other natural abrasives	43	19	4
Carborundum, etc.	587	557	416
Millstones, grindstones, etc. ..	468	795	806
Switzerland—			
Carborundum, emery, etc., crude ..	60	305	62
do. do. ground	947	736	384
Grindstones	27	11	45

(a) Information not available.

EXPORTS OF ABRASIVES (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Yugoslavia—			
Millstones	130	125	196
Grindstones, natural	245	255	557
do. artificial	4	8	17
Egypt—			
Emery, pumice, etc.	(a)	1,740	(a)
United States—			
Wheels of emery and corundum ..	69	222	137
Grindstones	1,374	1,293	2,005
Other natural abrasives	2,398	3,179	3,924
Crude artificial abrasives	3,107	5,976	9,860
Artificial abrasive wheels	811	698	1,362
Syria and Lebanon—			
Emery, pumice, etc.	—	—	1,258
Turkey—			
Emery and carborundum	1,168	} (a)	(a)
Millstones and grindstones	50		

(a) Information not available.

IMPORTS OF ABRASIVES

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Emery	6,709	6,003	5,930
Artificial corundum	2,269	3,969	5,707
Carborundum	1,908	2,307	590
Other hard abrasives	8,802	12,416	18,008
Oilstones	3	3	(a)
Grinding wheels of—			
Artificial corundum, etc.	20	32	30
Carborundum	217	140	159
Emery	39	49	81
Other hard abrasives	17	20	97
Grindstones, millstones and whetstones	171	90	167
Irish Free State—			
Grindstones, oilstones, etc.	142	131	121
Kenya and Uganda—			
Grindstones	2	2	5
Seychelles—			
Grindstones (<i>number</i>)	21	78	75
Union of South Africa—			
Emery	5	6	9
Pumice	74	169	203
Other abrasives (<i>£ South African</i>)	(£1,107)	(£1,686)	(£4,111)
Emery and other wheels (<i>do.</i>)	(£7,289)	(£12,106)	(£19,381)
Grindstones, millstones, etc. (<i>do.</i>)	(£893)	(£1,506)	(£2,822)
Canada—			
Pumice, etc.	(£5,610)	(£4,016)	(£5,032)
Emery, ground	(£7,831)	(£5,827)	(£8,148)
Artificial abrasives, ground	(£38,692)	(£43,153)	(£61,324)
Corundum (<i>estimated</i>)	36	36	(a)
Garnet (<i>estimated</i>)	45	67	(a)
Emery, carborundum and other manufactures	(£9,716)	(£5,485)	(£7,675)
Grindstones and wheels	(£62,856)	(£29,344)	(£51,804)
Ceylon—			
Grindstones	(£1,023)	(£948)	(£1,249)
Hong Kong (total imports)—			
Emery, etc.	£8,722	(£4,169)	(£4,382)
Australia—			
Abrasive	(£7,400)	(£12,396)	(£14,620)

(a) Information not available.

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
New Zealand—			
Pumice	33	25	6
Grindstones, etc. .. .	(£3,281)	(£4,153)	(£5,706)
FOREIGN COUNTRIES			
Austria—			
Emery, etc.	357	420	433
Pumice	354	229	228
Millstones	217	232	332
Grindstones, natural .. .	498	666	1,161
do. artificial .. .	173	111	206
Belgium-Luxemburg E.U.—			
Millstones and grindstones .. .	1,007	999	1,044
Other abrasives	4,592	6,280	4,554
Bulgaria—			
Millstones, grindstones, etc. .. .	271	109	164
Czechoslovakia—			
Emery	309	428	507
Pumice	29	13	26
Carborundum	369	748	984
Grindstones, etc.—natural .. .	762	601	685
do. carborundum .. .	21	4	9
do. emery, etc. .. .	88	48	64
Other abrasives	1	2	2
Denmark—			
Emery, etc.	105	183	239
Pumice	162	420	228
Millstones and grindstones .. .	210	266	440
Estonia—			
Pumice	(a)	48	75
Grindstones—natural .. .	270	294	387
do. artificial	9	10	16
Millstones	18	24	44
Other abrasives	88	100	73
Finland (total imports)—			
Emery	150	169	193
Pumice	57	65	78
Other natural abrasives .. .	12	18	22
Whetstones, grindstones, etc.—			
Natural	142	306	724
Artificial	1,066	1,634	1,358

(a) Information not available.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
France—			
Corundum and emery	1,282	2,032	1,827
Pumice	26,889	46,670	27,502
Millstones and grindstones	294	172	106
Whetstones	236	257	310
Carborundum	443	1,029	503
Other artificial abrasives	266	815	1,034
Germany—			
Emery	1,708	1,454	3,344
Carborundum	1,940	2,471	1,747
Millstones, grindstones, etc.	719	846	952
Other abrasives	63	245	125
Hungary—			
Emery	32	72	85
Millstones	20	28	35
Grindstones	501	716	867
Italy—			
Emery and corundum	323	469	1,167
Pumice	—	3	—
Artificial abrasives	557	763	763
Whetstones, natural	102	110	77
Grindstones, natural	615	586	720
Millstones, natural	75	106	91
do. artificial	208	150	208
Latvia—			
Emery	5	17	26
Pumice	19	35	22
Grindstones, etc.	64	217	175
Lithuania—			
Emery, etc.	98	43	68
Millstones and grindstones	42	37	28
Netherlands—			
Emery	1,770	2,093	2,067
Norway—			
Emery grains	334	459	448
Millstones, grindstones, etc.	1,732	1,112	1,243
Poland—			
Millstones	81	100	98
Grindstones	239	447	1,100
Other abrasives	237	398	
Portugal—			
Emery, etc... ..	43	86	77

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Emery, etc.	34	51	182
Millstones	167	405	384
Grindstones	247	385	566
Spain—			
Emery	120	115	136
Carborundum	39	23	41
Sweden—			
Emery	438	586	686
Other natural abrasives	807	912	1,368
Carborundum, etc.	167	174	779
Millstones, grindstones, etc.	1,088	1,177	1,651
Switzerland—			
Emery, crude	69	216	278
Carborundum, emery, etc., ground	207	249	303
Millstones	64	86	48
Grindstones	605	599	634
Whetstones	49	57	58
U.S.S.R. (Russia)—			
Emery and corundum, ground	2	—	
Millstones, natural	140	756	943
do. artificial	576		
Other abrasives, artificial	1,547		
Total		1,624	
Yugoslavia—			
Millstones	35	19	51
Grindstones, natural	34	15	47
do. artificial	51	54	86
Other abrasives	122	182	294
Algeria—			
Emery, corundum, etc.	7	10	47
Pumice	171	276	837
Millstones and grindstones	119	101	143
Egypt—			
Emery, pumice, etc.	283	43	79
Millstones	231	236	269
Grindstones	114	144	180
Whetstones	35	71	46
Morocco—			
Millstones and grindstones	50	45	32
Tunis—			
Emery and pumice	61	215	72
Millstones and grindstones	24	19	30

IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Cuba (total imports)—			
Grindstones	422	557	(a)
Mexico—			
Emery and carborundum ..	118	418	886
Millstones and grindstones ..	(a)	(a)	100
United States—			
Corundum, crude	168	925	1,953
Emery, crude	602	262	3,061
Corundum and emery, ground ..	10	22	41
Pumice	3,962	6,068	6,331
Tripoli, etc.	1,873	3,678	1,417
Grindstones	277	369	338
Crude artificial abrasives ..	7,631	26,210	51,310
Argentina—			
Emery	130	197	271
Pumice	38	44	44
Grindstones	394	488	484
Oil stones	4	9	12
Brazil (total imports)—			
Emery and glass powder	105	128	116
Chile—			
Emery, pumice, etc.	8	7	12
Colombia—			
Emery and pumice	4	14	7
Millstones and grindstones ..	12	7	31
Ecuador—			
Millstones and grindstones ..	51	} (a)	(a)
Other abrasives	3		
Peru—			
Emery and pumice	6	8	9
Grindstones	6	4	10
Venezuela—			
Emery and pumice	3	(a)	(a)
Millstones and grindstones ..	258	(a)	(a)
China—			
Corundum	6	9	5
French Indo-China—			
Emery and corundum, ground ..	113	174	137
Pumice	3	1	2
Grindstones and millstones ..	31	39	22

(a) Information not available.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan (total imports)—			
Abrasives	3,048	2,719	4,103
Grindstones, artificial	25	27	33
Netherlands East Indies—			
Emery	41	63	55
Syria and Lebanon—			
Emery	12	8	31
Millstones and grindstones	61	81	70
Turkey—			
Emery and carborundum, crude	8	} (a)	(a)
Millstones and grindstones	148		
Whetstones, pumice, etc.	72		

(a) Information not available.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

(Long tons)

Producing Country	1932	1933	1934
BRITISH EMPIRE			
Northern Ireland	1,473	698	57
British Guiana—(c)			
60% or more alumina	65,107	32,441	50,998
50-60% alumina	—	716	2,225
30-50% alumina (b)	18,396	8,173	11,666
India	4,467	1,075	18
Australia	1,129	670	158
Total	91,000	44,000	65,000
FOREIGN COUNTRIES			
France.. .. .	395,100	470,243	530,618
Germany	1,612	(e) 5,000	6,456
Greece	581	—	(a)
Hungary	109,796	71,281	113,000
Italy	85,186	93,320	129,193
Roumania	602	1,138	1,435
Spain	1,300	2,500	(a)
U.S.S.R. (Russia)	36 800	49,800	60,000
Yugoslavia	66,024	85,274	83,488
United States	96,349	154,176	157,838
Dutch Guiana (d)	124,522	104,697	99,412
Total (*)	920,000	1,040,000	1,180,000
WORLD'S TOTAL (*)	1,010,000	1,080,000	1,250,000

(*) Excluding the production in Austria, statistics of which are not available.

(a) Information not available.

(b) Ore remains at the mines.

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

	1932	1933	1934
Metallurgical	40,276	10,273	20,406
Chemical	22,129	25,095	28,181
Refractory	102	716	1,775

(d) Exports.

(e) Estimated.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1932	17,592
1933	10,187
1934	14,999

ESTIMATED PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	10,000	10,800	12,700
Canada	17,500	15,900	15,500
Total ..	27,500	26,700	28,200
FOREIGN COUNTRIES			
Austria	2,000	2,100	2,000
France	14,133	14,300	14,832
Germany	18,700	18,650	36,000
Italy (c)	13,201	11,880	12,643
Norway (c)	17,506	15,141	15,104
Spain	(c) 1,136	(c) 1,136	1,000
Sweden (c)	—	9	292
Switzerland	8,000	7,400	8,000
U.S.S.R. (Russia)	1,000	3,000	13,000
United States (c) (b)	46,824	38,003	33,115
Total ..	123,000	111,000	136,000
WORLD'S TOTAL	150,000	138,000	164,000

(a) Information not available.

(b) Secondary metal was recovered as follows :—

1932	21,400 long tons
1933	29,900 " "
1934	41,400 " "

(c) Official figures.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Alumina	10,876	16,542	21,086
Ingots, etc., alloy and scrap	3,421	3,972	1,510
Sheets, tubes, wire, etc.	2,515	3,136	3,910
Aluminium sulphates	16,346	14,121	14,610
Canada—			
Blocks, bars, scrap, etc.	8,775	15,809	19,886
British Guiana—			
Bauxite	64,888	35,916	50,605
British India—			
Bauxite	1,723	1,619	(a)
British Malaya (including re-exports)—			
Aluminium sulphate	1,226	2,761	3,892
Hong Kong (including re-exports)—			
Aluminium sulphates	1,011	813	544
Australia—			
Aluminium (£ <i>Australian</i>)	(£160)	(£17)	(£1)
FOREIGN COUNTRIES			
Austria—			
Cryolite	167	33	29
Crude, scrap and alloys	1,263	2,215	2,563
Sheets, rods, wire, etc.	4	14	16
Foil	7	15	41
Aluminium sulphates	293	56	21
Belgium-Luxemburg E.U.—			
Bauxite, etc.	1	—	16
Aluminium hydrates	50	22	19
Crude and scrap	775	432	316
Sheets, wire, etc.	47	30	51
Aluminium sulphates	13,708	24,935	21,709
Czechoslovakia—			
Cryolite	3	2	3
Denmark—			
Refined cryolite	6,632	11,724	11,035

(a) Information not available.

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite	209,131	241,147	277,908
Alumina	14,586	16,215	20,917
Aluminium hydrates	4,595	4,726	2,390
Ingots and scrap	825	1,694	4,300
Sheets, wire, etc.	462	860	693
Aluminium sulphates	5,767	3,190	1,380
Germany—			
Bauxite and cryolite	634	4	—
Crude, scrap and alloys	2,501	3,133	691
Sheets, wire, castings, etc.	3,069	3,935	3,857
Foil	5,072	3,615	3,035
Aluminium sulphates, etc., including refined bauxite	50,593	50,292	48,312
Hungary—			
Bauxite	71,292	57,850	104,482
Alumina and aluminium hydrates	—	9	280
Crude, scrap and alloys	22	99	22
Bars, sheets and wire	1	3	9
Aluminium sulphates	18	1	—
Italy—			
Alumina	32	54	—
Crude, scrap and alloys	1,291	3,781	5,501
Sheets, tubes, etc. and alloys	990	11	264
Aluminium sulphates	56	59	73
Netherlands—			
Crude and scrap	353	525	659
Foil	34	20	24
Norway—			
Alumina	293	601	1,623
Ingots and scrap	13,647	15,199	13,996
Bars, sheets, tubes and wire	1,395	827	673
Poland—			
Crude and sheets	52	86	43
Spain—			
Alumina	1	17	9
Ingots and scrap	304	499	50
Sweden—			
Crude, sheets and strips	61	36	61
Aluminium sulphates	13,205	12,299	11,128

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Alumina, etc.	44	47	2
Blocks, ingots, etc., and scrap . .	2,622	3,836	4,555
do. (alloys)	475	927	1,753
Bars, sheets, tubes and wire . .	262	1,247	1,930
do. (alloys)	89	166	297
U.S.S.R. (Russia)—			
Bauxite	—	943	—
Aluminium sulphates	(a)	(a)	134
Yugoslavia—			
Bauxite	63,754	51,305	90,370
Scrap	19	49	7
Aluminium hydrates	3,093	3,635	4,012
Aluminium sulphates	29	15	—
Algeria—			
Ingots	24	97	76
Greenland—			
Cryolite	17,592	10,187	14,999
United States—			
Bauxite, etc.	28,474	21,760	51,415
Ingots, scrap and alloys	1,743	2,462	3,595
Plates, sheets, etc.	237	86	140
Aluminium sulphates	19,241	25,241	27,573
Dutch Guiana—			
Bauxite	124,522	104,697	99,412
China—			
Aluminium sulphates	3,096	3,526	4,314
French Indo-China—			
Scrap	15	19	18
Japan—			
Plates and sheets	332	236	342

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Bauxite	121,926	114,922	161,168
Cryolite	1,259	1,443	1,430
Alumina	1,799	819	25
Ingots, etc., alloy and scrap	7,913	11,581	14,221
Sheets, tubes, wire, etc.	1,380	3,028	4,116
Aluminium sulphates	11,706	23,764	13,204
Kenya and Uganda—			
Sheets and wire	158	131	295
Southern Rhodesia—			
Ingots and bars	1	1	1
Union of South Africa—			
Ingots, bars, sheet and foil	120	161	216
Aluminium sulphates	118	153	144
Canada—			
Bauxite	46,114	46,904	73,173
Cryolite	78	2,113	149
Alumina	30	34	47
Ingots, rods, sheets, etc.	740	524	938
Leaf and foil	(£28,399)	(£8,998)	(£11,107)
Aluminium sulphates	23,264	25,055	26,391
Newfoundland (years ended June 30)—			
Aluminium sulphates	(£5,360)	(£6,118)	(£5,665)
British India (total imports)—			
Ingots, blocks, bars, etc.	12	7	4
Sheets and circles	871	1,393	1,943
Aluminium sulphates	2,889	2,040	1,969
British Malaya (total imports)—			
Aluminium sulphates	2,299	3,755	5,765
Hong Kong (total imports)—			
Aluminium sulphates	1,374	654	811
Australia—			
Cryolite	69	166	215
Pigs, ingots, blocks and scrap	120	210	376
Sheets, wire, rods, etc.	694	733	929
Aluminium sulphates	47	38	200

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
New Zealand—			
Bars, sheets, tubes, wire, etc. ..	20	35	34
FOREIGN COUNTRIES			
Austria—			
Bauxite	176	112	531
Cryolite	54	329	148
Alumina	3,821	2,541	4,915
Aluminium hydrates	1,109	785	852
Crude, scrap and alloys	127	22	46
Sheets, rods, wire, etc.	377	212	413
Foil	29	25	32
Aluminium sulphates	52	3	4
Belgium-Luxemburg E.U.—			
Bauxite, etc.	1,586	826	1,026
Alumina	8	11	17
Aluminium hydrates	6,035	8,912	7,147
Crude and scrap	818	1,391	1,277
Sheets, wire, etc.	273	420	591
Aluminium sulphates	936	1,143	1,651
Bulgaria—			
Crude, bars and sheets	65	52	74
Aluminium sulphates	512	380	628
Czechoslovakia—			
Cryolite	229	227	276
Sheets and plates	69	53	116
Foil	193	167	118
Denmark—			
Crude cryolite	14,697	4,906	11,736
Crude and scrap	265	345	563
Leaf	127	144	215
Aluminium sulphates	1,795	1,393	1,669
Estonia—			
Crude, sheets, etc.	4	14	43
Aluminium sulphates	667	811	895
Finland (total imports)—			
Crude and scrap	20	8	29
Bars and sheets	89	92	152
Aluminium sulphates	5,925	6,843	7,135

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite	246	—	2
Alumina	4	22	12
Aluminium hydrates	17	9	12
Ingots and scrap	278	210	156
Sheets, wire, etc.	590	1,004	843
Aluminium sulphates	479	1,143	1,150
Germany—			
Bauxite and cryolite	197,561	235,287	321,308
Crude, scrap and alloys	1,740	2,772	6,308
Sheets, wire, castings, etc	195	156	162
Aluminium sulphates, etc., including refined bauxite	230	95	52
Greece—			
Aluminium	48	67	118
Hungary—			
Alumina and aluminium hydrates	517	110	686
Crude, scrap and alloys	271	385	533
Bars, sheets and wire	7	8	6
Aluminium sulphates	281	383	252
Iceland—			
Aluminium sulphates	3	3	(a)
Italy—			
Alumina	2,220	303	2,100
Aluminium hydrates	226	107	39
Crude, scrap and alloys	79	59	26
Sheets, tubes, powder and alloys	124	78	71
Aluminium sulphates	1,718	811	986
Latvia—			
Ingots, sheets, scrap, etc.	43	71	109
Aluminium sulphates	584	1,164	1,180
Lithuania—			
Aluminium	6	32	78
Netherlands—			
Crude and scrap	580	871	1,208
Foil	476	501	561
Aluminium sulphates	5,806	5,117	5,495
Norway—			
Bauxite	19,113	20,470	29,483
Cryolite	735	800	677
Alumina	23,052	21,521	20,056
Crude aluminium	1,707	(b) 155	15
Bars, sheets, etc.	66	59	83
Aluminium sulphates	4,020	3,086	4,260

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bauxite	229	1,494	650
Cryolite	(a)	(a)	108
Crude and scrap	446	556	600
Sheets and wire	114	159	181
Sulphates	76	111	122
Portugal—			
Aluminium and alloys	107	106	120
Aluminium sulphates	451	577	524
Roumania—			
Crude and scrap	20	58	57
Sheets and wire	16	29	53
Aluminium sulphates	467	418	640
Spain—			
Alumina	3,839	3,404	3,933
Ingots and scrap	10	13	11
Bars, sheets, tubes and wire	31	49	64
Aluminium sulphates, etc.	149	162	184
Sweden—			
Crude	1,342	1,559	2,332
Sheets and strips	285	244	441
Aluminium sulphates	878	1,085	2,615
Switzerland—			
Alumina, etc.	17,461	11,120	15,788
Blocks, ingots, etc., and scrap	6	2,022	3,481
do. (alloys)	3	6	3
Bars, sheets, tubes and wire	15	10	10
do. (alloys)	7	5	5
Aluminium sulphates	121	192	195
U.S.S.R. (Russia)—			
Cryolite	(a)	(a)	1,964
Alumina	(a)	(a)	6,733
Crude	10,332	10,397	4,979
Sheets, etc.	103	6	31
Yugoslavia—			
Bauxite	1,700	1	—
Aluminium hydrates	1	25	13
Crude and scrap	40	45	33
Sheets, pipes and wire	64	47	73
Aluminium sulphates	143	200	162
Algeria—			
Ingots, sheets, wire, etc.	27	23	24
Aluminium sulphates	303	256	237
Egypt—			
Crude, sheets, scrap, etc.	16	22	50
Foil	25	24	32
Aluminium sulphates	1,350	622	589

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Aluminium sulphates	166	144	143
Tunis—			
Aluminium sulphates	110	108	90
Mexico—			
Ingots, bars and sheets	1	103	19
United States—			
Bauxite	205,620	149,548	166,653
Cryolite	3,782	4,141	4,450
Crude, scrap, etc.	3,574	7,460	8,202
Sheets, bars, etc.	54	76	98
Refined bauxite	116	46	73
Aluminium sulphates	850	661	414
Argentina—			
Ingots, sheets and wire	274	424	534
Aluminium sulphates	4,034	6,642	6,406
Brazil (total imports)—			
Bars, sheets and wire	546	946	633
Chile—			
Bars and sheets	2	10	23
Aluminium sulphates	29	20	43
Colombia—			
Ingots, bars, etc.	9	24	15
Aluminium sulphates	548	792	377
Ecuador—			
Aluminium sulphates	8	(a)	(a)
Peru—			
Aluminium sulphates	474	331	137
Venezuela—			
Crude	4	(a)	(a)
Aluminium sulphates	58	(a)	(a)
China—			
Crude	315	640	776
Sheets and wire	855	645	659
Foil	1,013	431	174
Formosa—			
Aluminium sulphates	145	195	(a)
French Indo-China—			
Ingots and scrap	17	27	1
Sheets	(a)	(a)	50
Aluminium sulphates	566	531	547

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Iraq (years ended Mar. 31)—			
Aluminium sulphates	94	23	128
Japan (total imports)—			
Cryolite	393	215	633
Ingots, blocks, etc.	4,718	3,549	5,257
“ Manchoukuo ”—			
Foil	100	332	218
Netherlands East Indies—			
Ingots, sheets, wire and alloys ..	599	542	508
Aluminium sulphates	3,936	6,104	10,212
Syria and Lebanon—			
Aluminium sulphates	89	85	57
Turkey—			
Bars, sheets, wire and alloys ...	33	(a)	(a)
Aluminium sulphates	260	(a)	(a)

(a) Information not available.

ANTIMONY

PRODUCTION OF ANTIMONY ORE

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Australia	60	47	9
FOREIGN COUNTRIES			
Czechoslovakia	588	1,341	1,500
France	627	300	200
Greece	325	168	(a)
Italy	372	358	346
Algeria	261	100	650
Morocco (Spanish)	100	40	(a)
Mexico	1,317	1,919	2,626
United States (c)	374	524	361
Argentina	—	12	(a)
Bolivia (exports)	1,446	1,866	1,182
Peru	18	12	99
China	12,191	12,600	(b) 16,466
Japan (ore)	66	133	(a)
Korea (ore)	7	21	—
Turkey	—	44	(a)

(a) Information not available.

(b) Interport exports.

(c) Secondary metal was recovered as follows:—

1932	5,800 long tons.
1933	6,600 „ „
1934	6,700 „ „

EXPORTS OF ANTIMONY, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Regulus	237	139	165
Hong Kong (including re-exports)—			
Ore	264	—	—
Crude, regulus and scrap ..	89	51	1
Australia—			
Ores (<i>Sb content</i>) (c)	—	252	—
Regulus and alloys (<i>£ Australian</i>)	(£93)	(£259)	—
FOREIGN COUNTRIES			
Austria—			
Regulus	17	15	15
Belgium-Luxemburg E.U.—			
Ore	7	280	51
Regulus	962	1,382	1,068
Czechoslovakia—			
Regulus	439	685	839
France—			
Ore	47	47	(a)
Crude and regulus	26	24	34
Oxide and sulphide	181	174	130
Germany—			
Ore, including arsenical ores ..	38	108	68
Regulus and scrap	108	54	95
Italy—			
Regulus	—	—	5
Netherlands—			
Regulus	36	3	15
Spain—			
Sulphide	60	91	9
Sweden—			
Ore	121	94	117
Yugoslavia—			
Ore	—	—	21
Algeria—			
Ore	—	207	1,742

(a) Information not available.

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

EXPORTS OF ANTIMONY, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Ore	(a)	(a)	59
Mexico—			
Ore and metal (<i>Sb content</i>) ..	1,692	1,871	2,375
Bolivia—			
Ore (<i>Sb content</i>)	1,446	1,866	1,182
Peru—			
Ore (<i>Sb content</i>)	18	12	99
China—			
Crude	1,865	1,606	1,777
Regulus	9,976	10,994	13,237
Oxide	1,121	1,114	915
Japan—			
Regulus	60	65	50
Turkey—			
Ore	44	(a)	(a)

(a) Information not available.

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude	832	748	1,058
Regulus	2,999	3,391	4,380
Union of South Africa—			
Crude and regulus	6	38	122
Canada—			
Regulus	282	280	279
Hong Kong (including re-exports)—			
Ore	177	—	25
Crude, regulus and scrap	124	56	7
Australia—			
Ore	262	50	282
Crude and regulus	80	37	31
Sulphide	30	14	191
New Zealand—			
Antimony	12	15	26
FOREIGN COUNTRIES			
Austria—			
Ore	10	14	20
Regulus	85	61	85
Belgium-Luxemburg E.U.—			
Ore	2,182	1,765	2,000
Regulus	381	531	554
Czechoslovakia—			
Regulus	61	19	6
Denmark—			
Regulus and scrap	127	112	161
Estonia—			
Crude and regulus	3	8	7
Finland (total imports)—			
Ore	9	7	10
France—			
Ore	972	1 334	1,760
Crude and regulus	635	1,102	688
Oxide and sulphide	56	59	87

IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore and matte	146	293	394
Regulus and scrap	1,232	2,078	2,745
Italy—			
Regulus	413	378	134
Oxide	22	94	99
Latvia—			
Regulus	3	6	16
Lithuania—			
Antimony	3	3	2
Netherlands—			
Regulus	87	93	82
Norway—			
Regulus	42	60	41
Poland—			
Ore and regulus	112	135	192
Oxide and sulphide	55	64	105
Portugal—			
Crude and alloys	4	12	6
Sulphide	19	18	10
Roumania—			
Regulus	27	39	53
Oxide and sulphide	11	4	16
Spain—			
Regulus	3	3	2
Sulphide	52	34	27
Sweden—			
Ore	126	161	138
Switzerland—			
Regulus	96	79	109
U.S.S.R. (Russia)—			
Regulus	735	292	1,260
Yugoslavia—			
Ore	5	—	—
Regulus	6	59	41
Algeria—			
Regulus	12	10	6
Canary Islands—			
Sulphide	60	91	(a)
Tunis—			
Regulus and sulphide	6	5	5
United States—			
Ore (<i>Sb content</i>)	1,186	1,900	2,582
Regulus and crude	1,680	2,196	1,590
Oxide and sulphide	389	598	263

(a) Information not available.

IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Regulus and crude	68	28	64
Chile—			
Regulus	250	2	14
Sulphide	6	5	5
Peru—			
Regulus	3	2	3
China—			
Regulus	8	1	—
French Indo-China—			
Regulus	—	4	6
Sulphide	6	6	—
Japan (total imports)—			
Antimony and regulus	2,019	2,478	2,534
Netherlands East Indies—			
Antimony	14	5	10
Philippine Islands—			
Regulus, etc.	4	15	19

(a) Information not available.

ARSENIC

PRODUCTION OF ARSENIC (Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
White arsenic and arsenic soot ..	247	121	185
Union of South Africa—			
White arsenic	4	—	—
Canada (sales)—			
White arsenic	1,082	655	736
Australia—			
White arsenic	1,964	1,776	2,230
FOREIGN COUNTRIES			
Belgium (exports)—			
White arsenic	2,013	2,538	3,498
Czechoslovakia—			
Ore (<i>As content</i>)	1	55	(a)
France—			
Ore (<i>As content</i>)	4,390	5,787	(a)
White arsenic (<i>as content</i>) ..	8,482	11,350	8,463
Germany—			
Ore (<i>As content</i>)	193	(a)	1,930
Greece—			
White arsenic	278	331	(a)
Pyrites (<i>As content</i>)	227	443	(a)
Portugal—			
White arsenic	10	2	40
Roumania—			
Pyrites (<i>As content</i>)	27	61	(a)
Sweden—			
Ore (<i>As content</i>)	19,719	37,839	28,166
White arsenic	—	847	7,288
Mexico—			
White arsenic	3,707	4,623	7,736
United States—			
White arsenic	11,343	9,509	(a)

(a) Information not available.

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Brazil—			
White arsenic	372	317	(a)
China (estimated)—			
Ore (<i>As content</i>)	470	400	(a)
Japan—			
White arsenic	2,596	2,338	(a)
Korea—			
White arsenic	(a)	150	327
Turkey—			
Ore (<i>As content</i>)	3	20	13

White arsenic is also produced in Germany and U.S.S.R. (Russia).

(a) Information not available.

EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic	1	2	(a)
White arsenic	9	21	24
Other compounds of arsenic ..	70	59	113
Canada—			
White arsenic, etc.	798	417	577
Hong Kong (including re-exports)—			
Arsenic	3	7	11
Australia (years ended June 30)—			
Ore, etc. (<i>As content</i>)	1	91	940
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore	—	15	—
Sulphide	23	23	15
Metallic arsenic	1	—	—
White arsenic	2,013	2,538	3,498
Czechoslovakia—			
Metallic arsenic	3	—	—
White arsenic	4	1	2
France—			
Ore	18	134	(a)
Sulphide	3	2	(a)
White arsenic	3,832	6,777	7,389
Arsenate of lead	245	481	574
Other arsenates	222	303	261
Germany—			
Ore, including antimony ore ..	38	108	68
White arsenic	3,404	2,620	2,709
Greece—			
White arsenic	296	249	147
Sweden—			
Ore	7,874	—	—

(a) Information not available.

EXPORTS OF ARSENIC, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Mexico—			
White arsenic (<i>As content</i>) ..	3,946	4,607	7,673
United States—			
Arsenate of lead	531	267	290
Arsenate of lime	1,131	1,154	1,498
China—			
Ore	49	59	135
Arsenic	17	26	48
Japan—			
White arsenic	2,189	1,312	2,248
Arsenate of lead	(a)	(a)	475
Turkey—			
Ore	15	(a)	(a)

(a) Information not available.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic	75	12	(a)
White arsenic	4,004	3,951	5,803
Other compounds	129	88	114
Union of South Africa—			
Arsenate of sodium	872	647	2,014
Canada—			
Sulphide	50	12	15
White arsenic	190	74	731
Arsenate of lead	371	223	201
Other arsenates	235	128	74
British India (total imports)—			
Arsenic and its oxides	133	101	121
Orpiment	177	454	211
Hong Kong (total imports)—			
Arsenic	44	5	4
Australia—			
White arsenic and compounds	416	418	520
New Zealand—			
White arsenic, etc.	70	36	51
FOREIGN COUNTRIES			
Austria—			
Sulphide	8	3	3
Belgium-Luxemburg E.U.—			
Ore	3,226	2,169	1,913
Sulphide	2	3	1
Metallic arsenic	29	13	42
White arsenic	15	16	110
Bulgaria—			
White arsenic	—	5	3
Czechoslovakia—			
Sulphide	45	50	76
Metallic arsenic	13	14	12
White arsenic	71	75	75

(a) Information not available.

IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Sulphide	2	19	1
Metallic arsenic	16	24	25
White arsenic	73	196	107
Arsenate of lead	5	8	7
Germany—			
Ore	—	—	433
White arsenic	98	185	215
Italy—			
Metallic arsenic	4	4	4
White arsenic	505	516	568
Latvia—			
White arsenic	4	14	8
Poland—			
Metallic arsenic	3	2	6
White arsenic	6	9	22
Sulphides	6	8	5
Portugal—			
White arsenic	10	19	21
Arsenates	2	2	3
Roumania—			
White arsenic	7	15	26
Spain—			
Arsenic	2	10	27
Yugoslavia—			
Metallic and white arsenic	5	4	17
Sulphide	2	6	1
Algeria—			
White arsenic	1	2	1
Sulphide	4	3	4
Arsenates	401	744	725
Mozambique—			
Arsenate of soda	—	13	(a)
Tunis—			
Sulphide	6	6	7
Arsenates	32	1	1
United States—			
Metallic arsenic	20	45	28
White arsenic	6,145	9,449	12,598
Sulphide	224	301	281

(a) Information not available.

IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Argentina—			
Sulphide	5	2	12
White arsenic	328	621	723
Compounds.. .. .	—	1	2
Chile—			
White arsenic	1	3	3
Arsenate of lead	40	67	52
Other arsenic compounds.. .. .	6	4	3
Colombia—			
White arsenic, etc... .. .	6	—	1
Peru—			
Arsenate of lead	—	4	2
Arsenate of lime	766	885	837
French Indo-China—			
Arsenic compounds	2	8	4
Netherlands East Indies—			
Arsenate of lead	382	624	535
Turkey—			
Arsenic compounds	12	(a)	(a)

(a) Information not available.

ASBESTOS

PRODUCTION OF ASBESTOS

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Southern Rhodesia	14,077	26,948	28,762
Swaziland	4	—	—
Union of South Africa (b)	7,844	15,185	15,709
Canada—			
Chrysotile (c)	112,902	147,153	143,439
<i>Crude</i>	421	1,166	1,485
<i>Fibre</i>	40,467	73,754	69,165
<i>Shorts</i>	68,913	66,479	68,618
<i>Sand and gravel</i>	3,101	5,754	4,171
Actinolite	—	—	27
Cyprus.. .. .	1,520	3,494	7,081
India	90	—	25
Australia	130	279	170
Total	137,000	193,000	195,000
FOREIGN COUNTRIES.			
Finland (Fibre)	1,677	2,311	3,629
France.. .. .	300	(a)	(a)
Greece.. .. .	8	14	(a)
Italy	1,461	3,215	(a)
United States (sales).. .. .	3,178	4,237	4,542
Argentina	7	—	(a)
Brazil	36	97	(a)
China (estimated)	500	500	500
Japan (estimated)	1,000	1,000	1,000
Korea	—	12	—
"Manchoukuo"	118	104	(a)
Turkey	—	118	4
Total*	8,000	12,000	14,000
WORLD'S TOTAL*	145,000	205,000	209,000

* Excluding the production of U.S.S.R. (Russia) ; statistics for which are not available.

(a) Information not available.

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

	1932.	1933.	1934.
Amosite ..	1,242 long tons.	2,765 long tons.	3,354 long tons.
Blue ..	2,647 " "	2,879 " "	2,511 " "
Chrysotile	6,888 " "	8,546 " "	9,844 " "

(c) Sales and shipments.

EXPORTS OF ASBESTOS
(Domestic Produce)
(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre	323	406	412
Waste, including asbestic	47	92	6
Manufactured	14,381	16,331	18,623
Southern Rhodesia—			
Unmanufactured	12,385	26,887	28,626
Manufactured	—	(£35)	—
Union of South Africa—			
Unmanufactured	10,287	14,307	15,565
Manufactured (£ South African)	(£6)	(£23)	(£46)
Canada—			
Unmanufactured	38,090	70,269	74,346
Sand and waste	62,294	62,764	66,944
Manufactured	(£18,922)	(£16,196)	(£28,188)
British Malaya (including re-exports)—			
Manufactured	40	32	48
Cyprus—			
Unmanufactured	1,600	4,567	7,590
Hong Kong, (including re-exports)—			
Packing and manufactures	(£2,746)	(£3,156)	(£2,361)
Australia—			
Packing (£ Australian)	(£448)	(£1,150)	(£2,743)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	110	162	85
Spun and woven	51	70	57
Paper and board	110	120	168
Cement sheets	7	24	11
Other manufactures	10	33	27
Belgium-Luxemburg E.U.—			
Unmanufactured	274	2,745	803
Spun and woven	53	65	82
Paper and board	310	616	492
Other manufactures	8	12	6

EXPORTS OF ASBESTOS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Unmanufactured	398	507	545
Spun and woven	29	31	35
Paper and board	187	232	575
Other manufactures	43	19	37
France—			
Spun and woven	179	175	181
Paper and board	154	106	119
Germany—			
Unmanufactured	283	234	187
Spun and woven	676	528	399
Paper and board	1,902	1,513	1,561
Other manufactures	413	514	681
Hungary—			
Manufactured	148	166	56
Italy—			
Unmanufactured	898	1,209	497
Spun and woven	65	65	70
Paper and board	36	44	51
Cement products	2,289	3,581	3,901
Other manufactures	35	21	36
Netherlands	6	4	5
Poland.. .. .	21	43	35
Spain—			
Unmanufactured	1	—	—
Manufactured	49	75	15
Sweden—			
Unmanufactured	3	26	5
Manufactured	5	6	9
Switzerland (including mica)—			
Unmanufactured	30	5	20
Manufactured	135	169	191
U.S.S.R. (Russia)	16,290	21,119	33,279
United States—			
Unmanufactured	1,524	1,230	1,490
Spun and woven	404	462	553
Paper and board	262	392	537
Brake linings	(£198,000)	(£172,000)	(£170,800)
Pipe covering and cement	1,095	812	1,241
Roofing squares	(£17,000)	(£36,000)	(£14,900)
Other manufactures	578	749	655
Japan	(£20,078)	(£27,209)	(£43,686)
“ Manchoukuo ”	(a)	70	94

(a) Information not available.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre	16,761	24,093	25,953
Waste, including asbestic	461	272	593
Manufactured	5,652	11,011	18,598
Irish Free state—			
Manufactured	6,388	5,157	5,512
Kenya and Uganda—			
Manufactured	270	366	183
Mauritius—			
Manufactured	3	9	(a)
Seychelles—			
Cement sheets	—	19	11
Southern Rhodesia (total imports)—			
Cement sheets (£ <i>South African</i>)	(£66)	(£207)	(£78)
Other manufactures (<i>do.</i>)	(£385)	(£784)	(£637)
South West Africa—			
Cement sheets (£ <i>South African</i>)	(£39)	(£61)	(£6)
Tanganyika—			
Manufactured	74	118	85
Union of South Africa—			
Packing (£ <i>South African</i>)	(£11,311)	(£19,226)	(£25,580)
Cement products (<i>do.</i>)	(£5,459)	(£6,197)	(£13,080)
Other manufactures (<i>do.</i>)	(£894)	(£3,197)	(£4,963)
Canada—			
Packing	49	71	74
Other manufactures	(£105,578)	(£88,683)	(£125,315)
Newfoundland (years ended June 30)—			
Asbestos	(£327)	(£662)	(£1,241)
British India (total imports)—			
Unmanufactured	—	1	951
Packing	(£19,678)	(£17,345)	(£16,167)
Other manufactures	(£73,359)	(£104,137)	(£115,088)
British Malaya—			
Manufactured	1,762	1,698	2,666
Hong Kong (total imports)—			
Manufactured	(£10,421)	(£8,200)	(£10,306)

(a) Information not available.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Australia—			
Crude	—	2,676	2,471
Packing	(£17,358)	(£49,778)	(£60,471)
New Zealand—			
Sheets, slates and tiles	(£9,342)	(£6,974)	(£10,770)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	3,412	1,246	1,159
Spun and woven	21	23	23
Paper and board	8	19	23
Cement sheets	34	4	8
Other manufactures	28	25	25
Belgium-Luxemburg E.U.—			
Unmanufactured	5,382	13,812	10,616
Spun and woven	145	137	110
Paper and board	54	54	73
Other manufactures	10	9	7
Bulgaria—			
Unmanufactured	5	4	3
Manufactured	47	34	29
Czechoslovakia—			
Unmanufactured	7,331	2,173	4,860
Spun and woven	9	8	10
Paper and board	13	13	16
Other manufactures	40	18	16
Denmark—			
Unmanufactured	724	707	1,023
Spun and woven	9	10	13
Paper and board	274	318	410
Estonia—			
Manufactured	54	56	57
Finland (including mica) (c)—			
Unmanufactured	42	67	84
Manufactured	110	110	134
France—			
Unmanufactured	(b) 6,583	14,127	10,059
Spun and woven	130	97	73
Paper and board	211	243	190

(b) April-December only.

(c) Total imports.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Germany—			
Unmanufactured	7,462	12,414	19,836
Spun and woven	20	24	18
Paper and board	36	70	52
Paint and cement products	30	36	22
Other manufactures	61	100	52
Greece	47	54	75
Hungary—			
Unmanufactured	1,562	769	(a)
Manufactured	93	126	162
Iceland—			
Manufactured	12	15	(a)
Italy—			
Unmanufactured	4,629	3,607	8,288
Spun and woven	137	174	146
Paper and board	172	194	204
Cement products	67	31	110
Other manufactures	10	19	7
Latvia—			
Unmanufactured	69	46	22
Manufactured	29	48	52
Lithuania	10	80	20
Netherlands	155	548	283
Norway	769	958	745
Poland—			
Unmanufactured	319	541	797
Board	28	7	} 57
Other manufactures	218	206	
Portugal—			
Unmanufactured	39	126	340
Manufactured	39	57	59
Roumania—			
Unmanufactured	64	100	120
Manufactured	289	226	207
Spain—			
Unmanufactured	4,067	5,964	4,628
Spun and woven	71	76	92
Other manufactures	162	144	139
Sweden—			
Unmanufactured	1,174	1,044	1,676
Manufactured	712	839	1,024

(a) Information not available.

IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Switzerland (including mica)—			
Unmanufactured	584	824	771
Manufactured	665	727	765
U.S.S.R. (Russia)	269	27	111
Yugoslavia—			
Unmanufactured	457	339	866
Spun and woven	31	33	42
Paper and board	62	92	97
Other manufactures	17	15	17
Algeria—			
Unmanufactured	16	40	(a)
Manufactured	107	73	(a)
Canary Islands—			
Manufactured	70	378	(a)
Egypt—			
Unmanufactured	72	88	95
Paper and board	112	66	71
Mexico—			
Unmanufactured	272	349	} 359
Spun and woven	5	296	
Paper and board	122	37	
United States—			
Unmanufactured (b)—			
Crude	1,473	2,814	3,198
Mill fibre	27,523	43,114	37,464
Stucco and other unmanufactured	57,391	60,805	66,779
Manufactured	151	62	188
Argentina—			
Spun and woven	180	222	223
Other manufactures	414	490	651
Brazil (total imports)—			
Unmanufactured	22	37	37
Manufactured	280	411	563
Chile—			
Unmanufactured	1	47	27
Manufactured	56	146	305
Colombia—			
Unmanufactured	13	28	37
Manufactured	150	—	110

(a) Information not available.

(b) Re-exports of unmanufactured were 820, 13 and 172 long tons in 1932, 1933 and 1934 respectively.

IMPORTS OF ASBESTOS (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Ecuador—			
Manufactured	4	(a)	(a)
Venezuela—			
Unmanufactured	8	} (a)	(a)
Cement products	191		
Manufactured	21		
China	579	576	575
French Indo-China—			
Manufactured	25	39	37
Iraq (years ended March 31 of the year following)	979	272	(a)
Japan (total imports)—			
Unmanufactured	7,502	13,546	20,191
Manufactured	429	426	320
“ Manchoukuo ”	423	582	(a)
Netherlands East Indies—			
Unmanufactured	1	12	14
Cement sheet	4,925	7,054	3,505
Philippine Islands	(£11,000)	(£11,000)	(£5,800)
Siam (total imports)—			
Cement sheets	316	288	466

(a) Information not available.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Barytes, unground	35,713	39,943	37,719
Witherite, unground	6,258	5,111	10,412
Barytes—			
Ground, bleached	1,881	7,623	5,548
do. unbleached	12,787	13,943	20,315
Southern Rhodesia	—	—	13
Canada (sales)	—	18	—
India	2,957	5,651	3,813
Australia	2,005	2,090	2,492
FOREIGN COUNTRIES			
Austria	271	1,014	1,009
France	10,200	(a)	(a)
Germany—			
Baden	(a)	(a)	19,370
Bavaria	5,761	4,081	8,253
Prussia	100,553	141,199	321,164
Saxony	2,408	128	476
Italy	21,516	23,074	31,896
Spain (b)	8,612	4,193	(a)
Algeria	876	10	—
Egypt	—	—	49
United States.. ..	119,261	130,716	159,251
Brazil	1,210	877	(a)
Korea	6,465	4,891	5,841

Barytes is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) In addition 40 cubic metres were produced in quarries during 1932, and 75 cubic metres during 1933.

EXPORTS OF BARIUM MINERALS, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	472	163	115
Ground barytes	1,684	1,389	2,274
Blanc fixe	535	287	(a)
Dioxide	665	537	326
Barium compounds	4,730	6,432	5,127
FOREIGN COUNTRIES			
Austria—			
Barytes	36	152	213
Carbonate and chloride	1	2	6
Belgium-Luxemburg E.U.—			
Chloride	3,946	4,997	4,405
Sulphate	141	327	204
Sulphide	21	168	39
Czechoslovakia—			
Barytes	1,074	2,112	2,996
Chloride	715	662	352
Sulphate	226	186	157
Estonia—			
Barytes	50	—	—
France—			
Barytes	7,799	6,475	1,337
Witherite	—	57	(a)
Carbonate	438	104	(a)
Chlorate	23	31	(a)
Chloride	655	674	(a)
Nitrate and sulphide	17	68	(a)
Sulphate	150	93	(a)
Germany—			
Barytes and celestite	150,226	161,693	157,570
Witherite and strontianite	156	255	209
Carbonate	2,750	2,827	3,382
Chloride	2,011	2,074	2,425
Nitrate	657	539	842
Sulphate	5,795	5,144	6,142

* For lithopone see "Zinc," page 405.

(a) Information not available.

EXPORTS OF BARIUM MINERALS, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—			
Sulphate	4,228	6,845	8,775
Chloride	1	2	4
Oxides	—	474	—
Sulphide	3	1	40
Latvia—			
Barytes	76	53	17
Netherlands—			
Barytes	31	35	137
U.S.S.R. (Russia)—			
Barytes	(a)	(a)	10
Witherite	(a)	(a)	58
Yugoslavia—			
Barytes	310	402	1,872
do. ground	—	54	118
Sulphate	25	—	—
Algeria—			
Barytes	1,417	—	38
Sulphate	83	71	—
Korea—			
Barytes	6,250	4,726	6,665

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	9,352	18,393	20,804
Ground barytes	14,236	14,750	14,895
Blanc fixe	1,078	1,048	(a)
Barium compounds	1,284	1,309	1,533
Irish Free State—			
Ground barytes, including blanc fixe	329	428	498
Union of South Africa—			
Barytes	150	408	1,068
Carbonate and dioxide	13	60	56
Canada—			
Barytes	1,153	1,417	1,390
Blanc fixe	416	247	432
Dioxide	2	—	3
Trinidad and Tobago—			
Barytes	6,732	11,305	14,255
British India (total imports)—			
Barytes	2,173	2,914	1,969
Australia—			
Barytes	21	—	—
FOREIGN COUNTRIES			
Austria—			
Barytes	1,128	583	1,037
Carbonate	144	154	207
Chloride	1,261	1,072	769
Belgium-Luxemburg E.U.—			
Chloride	41	177	927
Dioxide	22	20	8
Sulphate	1,232	1,132	895
Sulphide	13	44	87
Czechoslovakia—			
Unground barytes	3,225	4,606	1,249
Ground barytes	2,070	1,403	923
Carbonate	193	188	258
Chloride	2	—	1
Sulphate	115	37	14

* For lithopone see "Zinc," page 409.

(a) Information not available.

IMPORTS OF BARIUM MINERALS ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Witherite	319	326	413
Chloride	55	65	61
Sulphate	706	937	1,135
Estonia—			
Barytes, ground	38	40	51
Sulphate	1	4	13
Finland (total imports)—			
Barytes	414	431	521
Witherite and magnesite	518	586	806
Chloride	30	75	96
France—			
Barytes	31,619	29,117	30,870
Witherite	149	310	295
Carbonate	86	1	1
Chloride	1,098	1,229	1,290
Nitrate	65	35	63
Sulphate	1,102	683	642
Sulphide	1	148	3
Germany—			
Barytes and celestite	4,485	918	3,222
Witherite and strontianite	999	1,352	1,389
Carbonate	—	7	—
Chloride	—	29	29
Sulphate	4	15	6
Hungary—			
Ground barytes	899	865	647
Sulphate	83	97	111
Italy—			
Carbonate	234	250	276
Chloride	286	501	521
Oxide and dioxide	21	43	46
Sulphate	453	393	500
Sulphide	6	—	1
Latvia—			
Barytes	65	74	77
Chloride	10	17	19
Oxide	6	15	18
Sulphate	8	9	8
Lithuania—			
Barytes and witherite	60	81	168
Netherlands—			
Barytes	8,252	14,589	14,967

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Barytes	1,655	2,079	} 3,112
Witherite	31	32	
Carbonate	46	42	
Chloride	6	2	
Oxide	4	33	
Sulphate	166	191	204
Portugal—			
Sulphate	548	587	666
Chloride	44	30	57
Dioxide	7	3	4
Roumania—			
Carbonate	2	5	23
Chlorate	10	—	—
Chloride	110	123	102
Sulphate	55	40	61
Sweden—			
Barytes and witherite	1,073	1,134	1,314
U.S.S.R. (Russia)—			
Barytes and witherite	13	33	—
Dioxide	(a)	(a)	174
Yugoslavia—			
Barytes	2	—	—
Ground barytes	187	33	33
Chloride	267	89	89
Algeria—			
Barytes	8	106	104
Carbonate	27	52	(a)
Chloride	53	61	56
Sulphate	18	38	(a)
United States—			
Barytes	40,855	44,605	35,742
Witherite	2,393	2,633	2,106
Ground barytes	1,423	2,350	1,663
Sulphate	586	219	410
Barium compounds	794	702	760
Argentina—			
Barytes	3,077	3,216	4,224
Sulphate	215	341	296
Barium compounds	587	748	925
Chile—			
Sulphate	2	2	2
Carbonate	1	—	1
Chloride	4	1	17
Oxides	4	11	12

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Venezuela—			
Barytes	10	(a)	(a)
Netherlands East Indies—			
Chloride	13	14	10
Turkey—			
Barium compounds	40	(a)	(a)

(a) Information not available.

BISMUTH

PRODUCTION OF BISMUTH ORE, ETC.*

(Cwt.)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Canada—			
Metal and content of bullion ..	150	699	2,265
India—			
Ore	27 lb.	80 lb.	—
Australia—			
Ore, etc.	405	50	300
FOREIGN COUNTRIES			
Germany (Saxony)—			
Bismuth-cobalt-nickel ore ..	2,154	—	(a)
Spain—			
Ore	650	1,516	(a)
Metal	669	512	(a)
Mexico—			
Ore (<i>Bi content</i>)	343	923	2,033
Bolivia (exports)—			
Ore, etc. (<i>Bi content</i>)	46	37	993
Peru—			
Metal	1,643	5,274	5,927
China—			
Ore (<i>Bi content</i>)	400	400	400
Japan—			
Metal	938	1,124	(a)

* Bismuth is also recovered as a by-product in the United Kingdom, France, Sweden, U.S.S.R. (Russia) and the United States.

(a) Information not available.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Bismuth	462	83	310
Hong Kong (including re-exports)—			
Ore	236	611	150
FOREIGN COUNTRIES			
France—			
Bismuth	6	4	4
Bismuth salts	591	594	659
Germany—			
Bismuth salts	1,049	1,152	1,016
Italy—			
Bismuth salts	—	4	26
Spain—			
Bismuth	26	250	396
Argentina—			
Ore	—	—	28
Bolivia—			
Ore, etc. (<i>Bi content</i>)	46	37	993
Peru—			
Bismuth	1,643	5,274	5,927

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	228	567	(a)
Bismuth	1,732	4,169	3,250
Canada—			
Bismuth	—	2	2
Bismuth salts	(£5,319)	(£5,600)	(£4,406)
Hong Kong (total imports)—			
Ore	193	165	214
Australia—			
Bismuth salts	505	447	448
New Zealand—			
Bismuth salts	(£3,935)	(£3,689)	(£5,530)
FOREIGN COUNTRIES			
Estonia—			
Bismuth salts	10	9	9
France—			
Bismuth	1,870	1,752	3,086
Bismuth salts	—	8	—
Germany—			
Bismuth salts	33	6	57
Italy—			
Bismuth salts	132	144	146
Latvia—			
Bismuth salts	14	18	25
Poland—			
Bismuth	10	67	(a)
Bismuth salts	104	157	16
Portugal—			
Bismuth salts	31	38	(a)
Roumania—			
Bismuth salts	39	84	160
Spain—			
Bismuth salts	63	98	86
U.S.S.R. (Russia)—			
Bismuth	3,071	140	276
Algeria—			
Bismuth salts	4	—	32

(a) Information not available.

IMPORTS OF BISMUTH, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Bismuth	3	3	2
United States—			
Bismuth	256	255	173
Bismuth salts	28	—	3
Argentina—			
Bismuth	57	81	88
Bismuth salts	143	233	260
Chile—			
Bismuth salts	19	47	32
Peru—			
Bismuth salts	14	22	21
Turkey—			
Bismuth	2	(a)	(a)
Bismuth salts	28	(a)	(a)

(a) Information not available.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Germany—			
Boracite	—	66	7
Italy—			
Boric acid	5,383	5,356	5,488
United States—			
Borates	162,424	167,899	216,429
Argentina—			
Borate of calcium	879	619	(a)
Tibet (b)—			
Borax	216	366	307
Turkey—			
Borates	4,915	7,434	6,409

(a) Information not available.

(b) Imports into India from Tibet.

EXPORTS OF BORATES
(Domestic Produce)
(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Borates	13	19	5
Borax	2,347	1,696	1,816
Boric acid	641	589	642
British India—			
Borax	47	36	47
Hong Kong (including re-exports)—			
Borax	233	288	309
FOREIGN COUNTRIES			
Austria—			
Borax	71	14	8
Boric acid	13	5	—
Belgium-Luxemburg E.U.—			
Borax	107	674	146
Boric acid	—	—	1
Czechoslovakia—			
Borax and boric acid	9	1	2
France—			
Borax and borates	976	579	} 1,073
Boric acid	1,072	678	
Perborate of sodium	306	176	
Germany—			
Borax and boric acid	1,545	1,416	1,588
Italy—			
Borax	1,486	1,338	1,353
Boric acid	1,492	1,758	1,393
Netherlands—			
Borax	889	773	507
Sweden—			
Borax and boric acid	3	2	2
U.S.S.R. (Russia)—			
Boric acid	(a)	(a)	14
United States—			
Crude borates and borax	80,036	78,283	92,539
Boric acid	1,496	2,415	3,707
Argentina—			
Borate of calcium	59	33	92

(a) Information not available.

EXPORTS OF BORATES (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Tibet (<i>c</i>)—			
Borax	216	366	307
Turkey—			
Borates	(<i>b</i>)	(<i>b</i>)	(<i>b</i>)

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

	(Long tons)		
	1932	1933	1934
United Kingdom	2,500	2,950	3,100
France	2,699	2,698	(<i>a</i>)

(*c*) Imports into India from Tibet.

IMPORTS OF BORATES

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Borates	10,208	11,984	14,468
Borax	8,773	7,957	10,849
Boric acid	968	1,315	2,083
Irish Free State—			
Borax	13	59	64
Boric acid	21	37	38
Southern Rhodesia—			
Borax	37	70	64
Boric acid	2	2	2
Union of South Africa—			
Borax	265	269	328
Boric acid	96	114	132
Canada—			
Borax	2,389	2,075	2,633
Boric acid	285	380	439
British India (total imports)—			
Borax	1,676	1,407	1,560
Hong Kong (total imports)—			
Borax	367	483	547
Australia—			
Borax	1,122	1,275	1,310
Boric acid	338	425	368
New Zealand—			
Borax	194	184	226
Boric acid	52	55	46
FOREIGN COUNTRIES			
Austria—			
Borax	326	321	313
Boric acid	16	14	12
Belgium-Luxemburg E.U.—			
Borax	1,588	2,250	2,373
Boric acid	172	674	146
Bulgaria—			
Borax and boric acid	39	55	61

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia—			
Borax	1,562	1,556	2,064
Boric acid	223	97	245
Denmark—			
Borates	63	122	117
Borax and boric acid	92	131	144
Estonia—			
Borax and boric acid	25	17	16
Finland (total imports)—			
Borax	148	177	206
Boric acid	26	30	33
France—			
Borax and borates	8,192	10,784	9,485
Perborate of sodium	30	51	75
Boric acid	498	588	528
Germany—			
Borates	28,948	16,973	25,782
Borax and boric acid	6,965	7,136	11,934
Greece—			
Borax	(a)	132	127
Hungary—			
Borax and borates	273	55	32
Boric acid	58	133	100
Italy—			
Borax	5	7	17
Boric acid	2	2	3
Latvia—			
Boron minerals	13	13	10
Borax and boric acid	21	30	38
Perborate of sodium	18	24	27
Lithuania—			
Borax and boric acid	40	27	80
Netherlands—			
Borax	1,494	2,207	2,188
Norway—			
Borax	110	147	160
Boric acid	27	42	38
Poland—			
Boron minerals	345	608	} 1,038
Borax	291	82	
Boric acid	3	2	
Portugal—			
Borates	340	505	357
Boric acid	43	45	41

(a) Information not available.

IMPORTS OF BORATES (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Borax	118	206	284
Boric acid	31	47	67
Spain—			
Boric acid	46	27	58
Borates	452	468	511
Sweden—			
Borax	574	647	803
Boric acid	90	134	139
Switzerland—			
Borax	465	680	394
U.S.S.R. (Russia)—			
Borates	1,707	1,980	2,336
Yugoslavia—			
Borax	145	117	313
Boric acid	20	14	9
Algeria—			
Borax	—	9	16
Boric acid	8	10	55
Canary Islands—			
Boric acid	1	1	(a)
Egypt—			
Borax	60	49	88
Boric acid	24	20	20
Tunis—			
Borax	3	10	9
Boric acid	2	3	4
Mexico—			
Borax	—	321	434
Boric acid	(a)	(a)	88
United States—			
Borates	—	954	—
Boric acid	13	3	28
Argentina—			
Borax	70	21	17
Boric acid	10	12	16
Brazil—			
Borax	—	521	(a)
Boric acid	—	127	(a)
Chile—			
Borates	90	23	42
Boric acid	9	3	3

(a) Information not available.

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Colombia—			
Borax	24	—	—
Boric acid	19	—	—
Ecuador—			
Borax	4	(a)	(a)
Boric acid	2	(a)	(a)
Peru—			
Borax	13	12	18
Boric acid	18	18	25
Uruguay—			
Borax	21	—	(a)
Venezuela—			
Borax	3	(a)	(a)
Boric acid	17	(a)	(a)
China—			
Borax	945	1,191	1,390
Boric acid	163	208	211
French Indo-China—			
Borax	140	148	146
Boric acid	4	3	4
Japan (total imports)—			
Borax	8,756	7,889	10,954
Boric acid	981	194	150
Netherlands East Indies—			
Borax	42	43	38
Syria and Lebanon—			
Boric acid	1	7	6

(a) Information not available.

CADMIUM

PRODUCTION OF CADMIUM
(Lb. avdp.)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
South West Africa (<i>d</i>) ..	—	—	140,000
Canada	122,822	(<i>c</i>) 246,041	(<i>c</i>) 294,000
Australia	354,620	357,313	380,493
FOREIGN COUNTRIES			
Belgium	274,451	355,000	498,245
France	108,000	88,000	—
Italy	13,752	15,287	17,600
U.S.S.R. (Russia)	(<i>a</i>)	(<i>a</i>)	5,700
United States—			
Metal	799,501	2,276,933	2,777,384
Compounds (metal content)	259,800	401,400	566,700
Mexico (<i>b</i>)	189,981	2,848,079	848,149

Cadmium is also produced in Germany, Norway, Poland and Sweden.

(*a*) Information not available.

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

(*c*) Excluding cadmium sponge produced at Flinn Flonn.

(*d*) Cadmium content of shipments of dust from the smelters to Germany.

EXPORTS OF CADMIUM, ETC.

(*Domestic Produce*)

(Lb. avdp.)

Exporting Country	1932	1933	1934
BRITISH EMPIRE			
Australia	254,016	644,896	590,912
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. ..	51,400	183,400	433,600
France	50,500	85,100	19,400
Poland	154,100	35,100	279,500
Mexico (<i>b</i>)	189,981	2,848,079	942,037

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

IMPORTS OF CADMIUM, ETC.

(Less Re-exports)

(Lb. avdp.)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	219,635	446,210	547,763
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. ..	12,600	12,800	61,100
France.. .. .	134,500	109,800	282,900
Italy (cadmium salts) ..	900	2,000	2,200
Poland	1,500	4,000	900
U.S.S.R. (Russia)	(a)	77,200	183,000
United States.. .. .	—	108,861	125,955
Argentina (cadmium salts) ..	924	1,396	994
Chile (cadmium salts) ..	42	15	11
Turkey (including cadmium salts)	97	(a)	(a)

(a) Information not available.

CHINA CLAY

PRODUCTION OF CHINA CLAY

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	508,850	596,609	690,129
Union of South Africa	—	—	369
Canada	—	—	43
India	13,486	21,935	20,562
Unfederated Malay States	186	36	143
Australia	5,110	8,477	8,786
FOREIGN COUNTRIES			
Belgium (e)	9,566	13,651	(a)
Bulgaria	2,791	2,617	(a)
Czechoslovakia (estimated)	350,000	350,000	350,000
Denmark—			
Crude	29,300	34,300	42,400
Washed and pressed	8,500	8,600	11,200
Dried	800	700	700
France	98,800	(a)	(a)
Germany—			
Bavaria	373,720	467,455	677,287
Prussia	8,352	11,961	61,793
Saxony—			
Crude	106,706	42,002	35,940
Washed	27,640	32,904	43,054
Sand	(a)	(a)	10,114
Italy—			
Crude	30,203	20,873	(a)
Washed and ground (c)	8,206	4,009	(a)
Kaolinic earth	800	1,600	(a)
Portugal	6,763	9,416	11,644
Roumania (d)	8,128	10,212	(a)
Spain (g)	1,152	1,545	(a)
Sweden	1,389	1,878	(a)
Algeria	1,800	(a)	(a)
United States (f)	308,030	367,172	(a)

PRODUCTION OF CHINA CLAY (*Cont.*)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan (estimated)	400,000	400,000	400,000
Korea	11,821	24,536	(a)
Netherlands East Indies ..	120	229	(a)

China clay is also produced in Austria, U.S.S.R. (Russia) and China.

(a) Information not available.

(c) Derived from crude and stocks.

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

(e) "Eurite" and kaolin.

(f) Sales of china clay and paper clay.

(g) 3,940 cubic metres of kaolinic sand were also produced in quarries during 1932.

EXPORTS OF CHINA CLAY

(Domestic Produce)

(Long tons)

Exporting Country.	1931	1932	1934
BRITISH EMPIRE			
United Kingdom	348,643	414,539	402,321
British Malaya (c)	124	16	28
FOREIGN COUNTRIES			
Austria	11,919	16,461	15,037
Czechoslovakia	163,616	153,214	162,632
Denmark	5,610	5,353	7,909
France	8,555	4,708	5,943
Germany	39,674	41,746	36,173
Italy	721	82	96
Poland	5	16	1,398
Portugal	523	1,319	1,467
Spain	431	268	158
Sweden	28	6	1
U.S.S.R. (Russia)	11,671	15,138	22,348
Algeria	2,197	1,552	1,158

(c) Including re-exports.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	292	412	443
Union of South Africa (b) ..	77	116	154
Canada	15,458	22,726	29,241
Newfoundland (c)	—	—	2,877
British India (total imports)	19,537	19,306	16,649
British Malaya (total imports)	17	100	95
FOREIGN COUNTRIES			
Austria	2,966	3,020	3,420
Czechoslovakia	2,895	3,139	3,125
Denmark—			
Crude	509	545	610
Washed	4,344	4,657	6,896
Estonia	1,625	2,009	2,141
Finland (total imports) ..	10,511	17,304	17,006
France	55,668	70,174	59,170
Germany	182,790	166,717	180,648
Italy	35,291	44,390	51,763
Latvia	1,439	3,419	5,550
Lithuania	—	125	628
Norway	17,650	14,699	21,175
Poland	16,084	21,162	72,467
Portugal	119	144	153
Spain	14,760	15,808	19,530
Sweden	23,957	27,706	29,908
Yugoslavia	3,572	3,268	2,874
Algeria	9	12	(a)
United States	89,086	103,732	89,978
Argentina	2,422	1,956	2,251
Chile	35	29	33
Colombia	12	14	—
French Indo-China	455	573	570
Netherlands East Indies ..	809	1,041	1,010

(a) Information not available.

(b) Including Cornish or china stone.

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

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country.	1932	1933	1934	Estimated Cr ₂ O ₃ content*		
				1932	1933	1934
BRITISH EMPIRE						
Southern Rhodesia ..	15,445	34,493	70,961	7,600	16,900	34,800
Union of South Africa	19,065	33,541	44,560	8,238	14,953	20,114
Cyprus	(c)1,000	—	966	500	—	500
Canada	70	27	99	(a)	(a)	(a)
India	17,865	15,526	21,576	7,900	8,300	11,000
Australia	97	891	1,716	(a)	(a)	(a)
Total	54,000	84,000	140,000			
FOREIGN COUNTRIES						
Greece	1,530	14,550	(a)	600	5,699	(a)
Norway	403	321	41	169	131	16
Roumania	—	29	—	—	7	—
U.S.S.R. (Russia) ..	64,200	110,900	(a)	(a)	(a)	(a)
Yugoslavia	38,523	25,062	46,540	19,000	14,000	16,000
Cuba	500	21,837	49,370	200	7,000	15,962
Guatemala (d) ..	—	2,061	792	—	1,030	384
United States	200	966	(a)	100	500	(a)
Japan	12,295	19,681	(a)	4,900	5,900	(a)
Turkey	54,344	74,188	143,800	26,100	34,100	69,000
New Caledonia	68,332	49,100	54,300	36,000	26,000	29,000
Total	240,000	319,000	(a)			
WORLD'S TOTAL ..	294,000	403,000	(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.

(c) Estimated.

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

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Chromates of potash	737	785	703
Chromates of soda	1,004	1,183	1,306
Southern Rhodesia—			
Ore	34,827	31,688	64,789
Union of South Africa—			
Ore	20,288	26,262	45,709
British India (b)—			
Ore	20,640	13,410	27,306
FOREIGN COUNTRIES			
Austria—			
Chrome alum	163	28	—
Belgium-Luxemburg E.U.—			
Chromates of potash and soda ..	536	541	108
France—			
Ore	74	209	1
Ferro-chrome	671	1,226	976
Chromates of potash and soda ..	357	374	} 400
Other chromates	3	8	
Chrome alum	28	37	
Germany—			
Chromates of potash and soda, and oxides of chromium	6,405	7,049	5,155
Greece—			
Ore	1,085	13,496	21,791
Italy—			
Ferro-chrome	15	—	40
Chrome alum	4	5	6

(a) Information not available.

(b) Excluding chrome ore mined in British India, but exported via the Portugese port of Mormugao—1932, 4,998 tons—1933, 3,822 tons—1934, 3,888 tons.

EXPORTS OF CHROME ORE, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Chromium compounds	13	7	11
Norway—			
Ore	(a)	49	26
Ferro-chrome	4,182	7,874	11,700
Sweden—			
Ore	215	6	50
Ferro-chrome	5,804	9,400	8,918
Switzerland—			
Ferro-chrome, including ferro-silicon	1,411	1,054	760
U.S.S.R. (Russia)—			
Ore	40,871	40,389	35,923
Chromates	1,826	2,554	3,690
Yugoslavia—			
Ore	19,804	18,855	27,197
Cuba—			
Ore	(a)	15,576	(a)
United States—			
Chromates of soda	2,758	4,331	3,728
French Indo-China—			
Ore	1,078	—	—
Turkey—			
Ore	54,344	80,000	130,000
New Caledonia—			
Ore	14,009	24,176	36,622

(a) Information not available.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	20,638	28,508	36,543
Chromates of potash	88	32	101
Chromates of soda	977	1,675	2,774
Canada—			
Bichromate of potash	58	51	62
Bichromate of soda	979	830	1,060
British India (total imports)—			
Bichromate of potash	300	177	241
Bichromate of soda	669	619	766
Australia—			
Ore	—	5	—
Bichromate of potash	58	49	74
FOREIGN COUNTRIES			
Austria—			
Chrome alum and sulphate	17	10	12
Chromates of potash and soda	296	900	174
Belgium-Luxemburg E.U.—			
Chromates of potash and soda	471	740	685
Bulgaria—			
Chromates of potash	29	34	33
Czechoslovakia—			
Ore	1,916	1,751	2,295
Chromates of potash and soda	31	1	2
Denmark—			
Chromates of potash and soda	124	193	168
Estonia—			
Chromates	47	37	32
Finland (total imports)—			
Ferro-chrome	4	9	40
Chromates of potash and soda	121	160	232
Chrome alum and sulphate	81	105	129
France—			
Ore	13,187	20,187	26,739
Ferro-chrome	1,097	655	148
Chromates of potash and soda	1,699	2,835	1,123
Other chromates	60	82	90
Chrome alum	280	549	674

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore	41,979	46,951	75,767
Chromates of potash and soda, and oxides of chromium ..	385	1,179	1,460
Hungary—			
Chromates of potash, soda and ammonia.. .. .	633	541	590
Italy—			
Ferro-chrome	240	498	468
Chromates of potash, soda and ammonia.. .. .	168	34	24
Chrome alum	39	16	10
Latvia—			
Chrome alum	82	60	89
Chromates	40	50	34
Netherlands—			
Chromium compounds	958	973	1,099
Norway—			
Ore	10,878	17,930	36,775
Poland—			
Ore	412	1,383	(a)
Ferro-chrome	129	297	300
Chrome alum	1	1	—
Chromates	577	579	379
Portugal—			
Chromates of potash and soda ..	69	71	163
Chrome alum	21	44	48
Roumania—			
Chrome alum	274	238	362
Chromium compounds	470	340	564
Spain—			
Chromates	849	1,001	915
Sweden—			
Ore	9,383	38,049	34,991
Ferro-chrome	151	564	1,629
Chrome alum	534	479	652
Chromates	267	279	394
Switzerland—			
Ferro-chrome and ferro-silicon	1,195	1,555	1,655
U.S.S.R. (Russia)—			
Ferro-chrome	3,890	9,469	5,190
Chromates	—	—	2

(a) Information not available.

IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Ore	1	302	—
Chromates of potash and soda ..	125	67	96
Chrome alum	117	161	159
Algeria—			
Chromates	7	13	(a)
Egypt—			
Chromates of potash and soda ..	284	353	401
United States—			
Ore (Cr_2O_3 content)	43,830	51,165	82,969
Metal and alloys	230	99	89
Argentina—			
Bichromate of potash	66	123	94
Bichromate of soda	223	243	340
Chrome alum	128	133	75
Chile—			
Bichromate of potash	60	39	33
Bichromate of soda	125	169	159
Peru—			
Chromium compounds	79	88	95
China—			
Bichromate of potash	186	272	194
Bichromate of soda	69	266	242
French Indo-China—			
Chromates of potash and soda ..	1	8	4
Japan (total imports)—			
Bichromate of potash	104	157	77
Bichromate of soda	160	138	240
Turkey—			
Chromium compounds	50	(a)	(a)

(a) Information not available.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL (Including Brown Coal and Lignite)

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Anthracite	6,616,972	7,053,043	7,128,123
Bituminous	202,116,168	202,059,200	213,599,565
Irish Free State—			
Anthracite	64,506	86,246	89,731
Semi-bituminous	16,674	19,041	21,343
Nigeria	252,485	235,133	259,754
Southern Rhodesia	431,183	476,340	632,790
Union of South Africa	9,764,425	10,545,197	12,002,100
Canada—			
Bituminous	6,887,749	7,124,360	8,978,734
Sub-bituminous	500,805	494,748	479,855
Lignite	3,092,618	3,008,878	2,858,954
British Borneo—			
State of North Borneo	168	78	28
Federated Malay States	277,848	218,247	321,461
India—			
Gondwana Coalfields	19,814,524	19,456,254	} 22,057,447
Tertiary Coalfields	338,863	332,909	
Used by miners	504,000	495,000	
Australia—			
Bituminous	8,585,858	9,091,976	9,353,714
Lignite	2,612,512	2,580,060	2,617,534
New Zealand—			
Bituminous	928,234	843,845	831,702
Brown coal	806,397	860,238	1,103,968
Lignite	107,391	117,175	124,645
Total	264,000,000	263,000,000	283,000,000

(a) Information not available.

PRODUCTION OF COAL (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Bituminous	217,819	235,150	246,861
Brown coal	3,055,021	2,963,862	2,805,905
Belgium—			
Anthracite and semi-			
anthracite	4,656,753	5,246,607	} 25,949,349
Bituminous	16,428,442	19,653,598	
Bulgaria—			
Anthracite	3,075	3,465	5,312
Bituminous	93,758	75,184	69,548
Lignite	1,636,501	1,469,896	1,535,882
Czechoslovakia—			
Bituminous	10,787,907	10,365,655	10,585,334
Brown coal	15,607,935	14,825,194	15,017,408
France—			
Saar	10,273,195	10,394,373	11,138,953
Other districts—			
Bituminous (b)	45,535,513	46,113,162	47,870,065
Lignite	995,761	1,071,102	1,014,325
Germany—			
Bituminous	103,086,309	107,959,643	122,936,809
Brown coal	120,709,596	124,791,923	135,097,524
Greece—			
Lignite	135,410	97,496	(a)
Hungary—			
Bituminous	880,674	787,418	744,000
Brown coal	5,395,064	5,393,595	} 6,101,000
Lignite	442,726	420,348	
Lignite (anhydrated)	115,203	115,310	(a)
Italy—			
Anthracite	47,004	66,644	83,212
Bituminous	204,390	262,439	284,481
Brown coal	370,107	376,712	402,162
Netherlands—			
Bituminous	12,554,978	12,375,372	12,145,975
Brown coal	122,115	95,511	91,032
Poland—			
Bituminous	28,379,163	26,924,235	28,771,390
Brown coal	32,900	32,963	25,986

(a) Information not available.

(b) Includes about 5,900,000 tons of anthracite each year.

PRODUCTION OF COAL (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Anthracite	187,632	205,399	195,906
Bituminous	49,753	19,426	3,652
Brown coal	16,043	11,291	14,835
Roumania—			
Anthracite	12,052	17,777	} 223,641
Bituminous	172,992	173,986	
Lignite	1,440,807	1,292,878	1,585,420
Spain—			
Anthracite	539,110	563,399	} 5,925,900
Bituminous	6,206,607	5,340,855	
Brown coal	330,981	296,260	
Spitzbergen and Bear Island	261,500	364,000	501,000
Sweden	327,816	343,410	408,668
Switzerland (b)	4,000	4,000	4,000
U.S.S.R. (Russia)	63,299,000	71,097,000	92,023,000
Yugoslavia—			
Bituminous	362,187	377,432	381,098
Brown coal	3,030,987	2,806,202	2,942,596
Lignite	1,010,853	905,274	921,520
Algeria—			
Bituminous	24,584	29,948	33,465
Belgian Congo	17,000	413	4,622
Morocco (French)—			
Anthracite	14,724	26,848	29,911
Mozambique	19,430	15,600	21,524
Mexico	642,314	556,144	620,000
United States—			
Anthracite	44,513,590	44,233,343	51,237,000
Bituminous and lignite ..	276,526,671	297,884,404	319,996,000
Brazil	499,170	560,918	612,331
Chile	1,063,027	1,512,241	1,775,291
Colombia (estimated) ..	200,000	200,000	200,000
Peru—			
Anthracite	} 26,500	29,500	{ 3,500
Bituminous			
Venezuela (c)	4,644	4,862	(a)
China (d)	18,370,000	19,143,000	(a)
Formosa	1,333,595	1,315,000	1,355,000

(a) Information not available.

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

(c) Excluding production in government-owned mines.

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

PRODUCTION OF COAL (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French Indo-China—			
Anthracite	1,640,637	1,517,861	1,530,025
Bituminous, etc.	45,419	48,152	36,620
Japan—			
Semi-anthracite and bitu- minous	27,610,311	32,010,079	32,539,792
Brown coal	106,818	113,958	125,000
Karafuto	666,691	874,874	(a)
Korea—			
Anthracite	} 1,086,755	729,511	966,855
Bituminous		556,585	695,122
“Manchoukuo”	7,992,000	9,005,000	(a)
Netherlands East Indies	1,033,712	1,025,390	1,015,442
Philippine Islands	18,184	15,668	(a)
Turkey—			
Bituminous	1,568,411	1,830,607	2,252,130
Lignite	13,346	29,094	39,516
Total	850,000,000	890,000,000	970,000,000
WORLD'S TOTAL	1,110,000,000	1,150,000,000	1,250,000,000

(a) Information not available.

PRODUCTION OF COKE

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Great Britain—			
Gas-works (<i>b</i>)	11,800,826	11,472,940	11,848,654
Coke-ovens—coke	8,480,196	8,778,643	11,512,338
breeze	573,280	671,873	762,495
Northern Ireland—			
Gas-works (estimated) ..	70,000	70,000	70,000
Irish Free State—			
Gas-works (estimated) ..	120,000	120,000	120,000
Southern Rhodesia	25,111	31,296	55,096
Union of South Africa (coke-ovens)	56,442	74,264	71,817
Canada—			
Gas-works—coke	246,979	217,771	244,869
breeze	26,710	24,832	18,637
Coke-ovens—coke	1,057,924	1,253,347	1,632,503
breeze	130,621	86,338	107,046
Strait Settlements	10,745	7,736	8,414
India—			
Hard	1,214,526	1,227,190	(<i>a</i>)
Soft (<i>c</i>)	760,228	824,165	(<i>a</i>)
Australia (<i>e</i>)—			
Gas-works	627,799	612,623	(<i>a</i>)
Coke-ovens (New South Wales)	398,860	408,964	(<i>a</i>)
New Zealand (<i>d</i>)—			
Gas-works	65,000	64,181	64,863
FOREIGN COUNTRIES			
Austria (gas-works)	577,367	573,526	560,587
Belgium—			
Metallurgical	4,340,399	4,323,225	4,294,000
Breeze	459,349	482,556	(<i>a</i>)
Bulgaria	(<i>a</i>)	5,000	(<i>a</i>)
Czechoslovakia—			
Gas-works	209,794	(<i>a</i>)	(<i>a</i>)
Coke-ovens	1,257,629	1,239,491	1,323,600
Denmark (gas-works)	265,000	283,000	284,000
Finland (gas-works)	55,058	55,291	(<i>a</i>)
France—			
Saar	1,658,303	1,849,834	2,145,116
Other districts—			
Metallurgical, etc.	5,953,740	6,565,000	} 9,124,000
Gas-works	2,073,536	2,074,000	

PRODUCTION OF COKE (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Germany—			
Coke-ovens	20,008,373	20,386,361	23,835,910
Gas-works (d)	4,197,000	4,186,000	(a)
Hungary—			
Brown-coal coke	18,650	9,018	(a)
Gas-works	157,030	146,137	155,629
Italy (metallurgical)	702,862	718,437	804,336
Latvia	10,945	10,532	7,490
Netherlands—			
Gas-works	700,000	700,000	700,000
Coke-ovens	2,479,862	2,568,162	2,735,482
Norway (gas-works)	66,464	69,096	(a)
Poland—			
Coke-ovens	1,074,000	1,152,227	1,312,432
Gas-works	194,000	182,000	(a)
Portugal (gas-works)	(f) 30,000	(f) 30,000	27,850
Roumania—			
Metallurgical	} 37,847	7,037	(a)
Other coke		20,225	(a)
Spain (incomplete figures)—			
Metallurgical	435,337	420,702	(a)
Gas-works	239,075	234,385	(a)
Sweden	426,525	433,110	(a)
Switzerland—			
Gas-works	407,053	426,218	443,647
U.S.S.R. (Russia)	8,100,000	10,100,000	14,000,000
Algeria (gas-works)	37,206	38,067	(a)
Tunis (gas-works)	5,915	4,764	4,400
Mexico	251,558	(a)	(a)
United States—			
Coke-ovens—			
Coke	19,454,223	24,603,016	28,412,121
Breeze and screenings	1,934,387	2,289,781	2,482,840
Argentina (gas-works)	(a)	47,000	(a)
Chile	45,000	51,000	55,741
French Indo-China	2,116	355	280
Japan—			
Coke-ovens	1,291,000	1,295,524	(a)
Gas-works (d)	838,000	919,000	(a)
Korea	209,132	(a)	(a)
“ Manchoukuo ”	471,660	451,000	(a)
Turkey	(a)	(a)	31,000

(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.

(f) Estimated.

PRODUCTION OF COAL BRIQUETTES

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Great Britain	908,467	940,723	877,224
Australia (years ended June 30)	321,741	308,000	(a)
FOREIGN COUNTRIES			
Belgium	1,296,190	1,342,162	1,308,433
Bulgaria	—	—	19,225
Czechoslovakia—			
Coal briquettes	400,153	390,572	380,359
Brown-coal briquettes ..	198,813	191,425	194,316
France—			
Saar	6,829	7,584	6,009
Other districts	7,419,115	7,411,000	7,514,000
Germany—			
Coal briquettes	4,671,939	4,786,678	4,743,059
Brown-coal briquettes ..	29,343,900	29,590,066	30,922,593
Hungary—			
Coal briquettes	99,132	87,319	} 305,208
Brown-coal briquettes ..	309,200	278,363	
Brown-coke briquettes ..	15,860	10,761	17,817
Italy—			
Anthracite briquettes ..	—	—	11,631
Brown-coal briquettes ..	2,376	4,848	6,370
Netherlands—			
Coal briquettes	1,152,437	1,085,135	1,069,975
Brown-coal briquettes ..	43,330	35,078	33,459
Poland	196,000	218,420	1,152,227
Portugal (b)	(a)	716	503
Roumania	42,340	125,707	120,274
Spain	773,294	789,287	(a)
Yugoslavia	29,379	22,960	21,923
Algeria	70,115	(a)	(a)
Tunis	64,707	55,757	61,947
United States	420,182	473,598	629,336
French Indo-China	95,868	72,063	61,248
Netherlands East Indies ..	6,857	32,428	34,125

(a) Information not available.

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

PRODUCTION OF COAL BY-PRODUCTS
(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Great Britain—			
Tar (quantity distilled)	1,568,312	1,634,100	1,765,479
Pitch	367,185	421,300	503,095
Ammonium salts expressed as sulphate (25½ % NH ₃) (b)	765,400	687,500	605,200
Benzol (refined)*	110,000	134,000	168,000
Creosote (estimated)	260,000	310,000	380,000
Irish Free State (estimated)—			
Tar	12,000	12,000	12,000
Ammonium sulphate	2,000	2,000	2,000
Tar oil, creosote oil, etc.	1,800	1,800	1,800
Union of South Africa—			
Tar *	1,334	1,079	957
Ammonium sulphate	228	10	—
Canada—			
Tar *	103,471	109,193	132,517
Pitch	29,750	(a)	(a)
Ammonium sulphate	9,866	14,932	18,314
Benzol	9,325	10,583	13,651
Ammonia liquor	759	718	885
Creosote, etc.*	29,940	(a)	(a)
Straits Settlements—			
Tar	664	650	(a)
India (coke-ovens)—			
Ammonium sulphate	9,474	9,885	11,775
Australia—			
Tar (e)	98,787	99,612	(a)
Ammonium sulphate	12,312	13,272	16,500
New Zealand (c)—			
Tar (gas-works)*	10,236	10,229	11,994
FOREIGN COUNTRIES			
Austria—			
Tar	34,525	34,728	32,834
Ammonium sulphate	6,336	6,394	6,109
Benzol	6,775	6,905	6,936
Liquid ammonia	229	183	181
Ammonium chloride	(a)	874	642

(a) Information not available.

(b) Actual ammonium sulphate production in long tons was :—
1932, 612,000 ; 1933, 562,000 ; 1934, 424,000

(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.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium—			
Tar	155,908	161,380	153,000
Ammonium sulphate	59,928	59,938	57,517
Benzol	47,596	50,874	51,900
Czechoslovakia—			
Tar	67,198	67,000	55,500
Pitch	89	49	(a)
Ammonium sulphate	17,251	17,014	(a)
Naphthalene	796	1,132	(a)
Benzol	16,405	15,139	12,000
Carbolic acid	182	154	(a)
Denmark—			
Tar	24,000	29,000	29,000
Finland—			
Gas-works—			
Tar	2,303	2,230	(a)
Benzol	188	170	(a)
Ammonia	137	55	(a)
France—			
Tar	456,150	529,500	543,526
Pitch	87,300	(a)	(a)
Ammonium sulphate	95,000	(a)	(a)
Benzol	72,698	73,000	73,000
Naphthalene	7,073	(a)	(a)
Saar—			
Tar	92,974	100,777	117,069
Ammonium sulphate (coke-ovens)	19,088	20,423	22,701
Benzol	26,525	29,331	34,935
Germany—			
Tar—coke-ovens	965,150	1,100,000	1,220,000
gas-works	209,000	(a)	240,000
Pitch	453,000	(a)	(a)
Ammonium sulphate and other ammoniacal salts	281,217	(a)	(a)
Benzol	207,225	251,000	271,000

(a) Information not available.

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

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Italy—			
Tar—coke-ovens	28,090	26,152	29,558
gas-works	57,000	(a)	(a)
Ammonium sulphate (b)	8,701	9,529	10,398
Benzol (b)	6,674	6,578	7,567
Latvia—			
Tar	592	732	637
Pitch	23	26	90
Tar oil	98	57	67
Benzol	3	3	12
Liquid ammonia	67	82	132
Netherlands—			
Tar (estimated)	100,000	128,000	140,000
Pitch	54,000	54,000	54,000
Benzol (estimated)	21,000	23,000	(a)
Creosote	34,000	(a)	(a)
Norway—			
Tar (gas-works)	5,079	4,217	(a)
Poland—			
Tar (crude)	55,400	84,699	68,250
Pitch	29,700	31,644	18,000
Ammonium sulphate	17,100	16,100	17,800
Benzol (crude)	18,000	16,839	21,400
Naphthalene (crude)	1,100	2,567	3,440
Phenol and cresol	743	1,025	918
Portugal—			
Tar (gas-works)	(c) 1,600	(c) 1,600	1,591
Roumania—			
Tar	1,629	1,992	(a)
Ammonium sulphate	20	4	(a)
Ammonia	208	211	(a)
Spain (incomplete figures)—			
Tar	33,210	36,363	37,100
Pitch	3,229	2,067	(a)
Ammonium sulphate	11,368	12,010	(a)
Benzol	4,185	4,408	(a)
Naphthalene	646	682	(a)
Creosote	2,425	2,250	(a)

(a) Information not available.

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

(c) Estimated.

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Tar	25,731	26,500	(a)
Pitch	346	580	(a)
Ammonium sulphate	4,364	4,597	(a)
Benzol	2,565	2,754	(a)
Switzerland—			
Tar (gas-works)	28,412	28,638	29,605
Algeria—			
Tar	4,707	(a)	(a)
Tunis—			
Tar (gas-works)	448	640	524
Ammonium salts	(a)	(a)	93
United States (coke-ovens only)—			
Tar*	1,298,342	1,552,558	1,746,625
Pitch	37,159	97,469	87,409
Sulphate equivalent of ammonia produced	317,953	375,261	428,491
Benzol*	35,262	57,397	72,303
Motor fuel*	87,981	108,129	134,534
Naphthalene	2,068	2,954	4,796
Toluol*	29,298	37,710	43,405
Solvent naphtha*	6,709	8,709	9,772
Creosote*	28,348	21,529	49,238
Phenol*	397	628	272
Chile—			
Tar	(a)	(a)	8,451
Japan—			
Ammonium sulphate	31,094	30,000	(a)
Benzol	19,134	25,500	32,200
Creosote	22,086	25,310	30,000
“Manchouikuo”—			
Tar	17,600	(a)	(a)
Ammonium sulphate	5,309	(a)	(a)
Naphthalene	611	(a)	(a)
Benzol	3,021	(a)	(a)
Turkey—			
Tar	(a)	(a)	1,799

* 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 Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Anthracite—			
small and sized	2,830,827	3,085,775	3,155,798
large	1,072,661	985,759	987,367
Bituminous—			
small and sized	13,301,306	14,423,305	14,811,323
unscreened	8,048,963	7,700,090	8,179,655
large	13,645,044	12,872,997	12,525,737
bunkers	14,209,237	13,457,081	13,487,222
Coke	2,232,465	2,284,594	2,193,064
Manufactured fuel	759,734	795,362	729,072
do. (bunkers)	343	2,603	95
Tar and pitch	351,900	316,240	461,769
Heavy coal-tar oils	96,853	95,257	124,998
Naphthalene	4,970	6,574	5,337
Anthracene	15	17	52
Carbolic acid—			
Crystals	539	388	254
Crude	433	642	690
Cresylic acid	4,372	5,230	7,328
Benzol	2,555	1,501	275
Toluol	88	385	(a)
Naphtha	192	270	(a)
Irish Free State—			
Coke	25,786	21,994	20,130
Tar and pitch	178	58	356
Creosote, etc.	942	10	2
Malta—			
Coal (bunkers on merchant ships)			
(c)	53,682	59,710	72,649
Coke	1,671	1,104	1,206
Kenya and Uganda—			
Coal (bunkers) (c)	3,751	3,929	3,013
Nigeria—			
Coal	28,016	23,958	38,372
Sierra Leone—			
Coal (bunkers) (c)	21,477	19,093	29,229

* For ammonium sulphate, etc., see Nitrogen Compounds, pages 249-252.

(a) Information not available.

(c) Foreign coal (see imports).

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
Southern Rhodesia—			
Coal	176,636	191,865	226,190
Coke and patent fuel	24,252	29,160	45,399
Union of South Africa—			
Coal	643,068	750,179	923,585
do. (bunkers)	670,758	814,373	888,385
Coke	10,503	20,746	17,579
Canada—			
Coal	241,333	220,950	263,291
Lignite	13,566	10,508	10,222
Coke	23,203	19,263	31,182
Tar and pitch	15,475	43,657	34,594
Creosote oil	1,308	1,540	6,017
West Indies—			
Barbados—			
Coal (bunkers) (c)	1,390	1,126	—
St. Lucia—			
Coal (bunkers) (c)	21,898	25,179	25,670
Trinidad and Tobago—			
Coal (bunkers) (c)	31,649	37,319	33,587
Aden—			
Coal	15	—	179
British Borneo—			
Brunei—			
Coal	168	78	28
Sarawak—			
Coke	7	16	8
State of North Borneo—			
Coal	11,785	4,531	643
British India—			
Coal	517,529	425,064	327,790
do. (bunkers—domestic produce)	574,338	492,590	489,487
do. (bunkers—foreign produce)	15,994	15,170	25,592
Coke	1,954	1,112	2,443
British Malaya (including re-exports)			
Coal	2,725	3,208	1,685
do. (bunkers)	379,018	352,459	398,631
Coke	777	951	660
Tar and pitch	242	259	267

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

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
Ceylon—			
Coal (bunkers) (<i>c</i>)	214,014	217,860	233,669
Cyprus			
Coal (bunkers) (<i>c</i>)	29	432	1,347
Hong Kong (including re-exports)—			
Anthracite	1,004	8,936	11,037
Bituminous	159,524	135,885	62,000
Coke	3,527	1,642	1,268
Briquettes	12	5	—
Australia—			
Coal	297,679	292,691	609,763
do. (bunkers) (<i>e</i>)	506,140	562,442	523,023
Coke	1,684	1,543	12,677
Tar and pitch	399	217	177
New Zealand—			
Coal	2,021	362	223
do. (bunkers)	34,125	33,769	40,138
Coke	2	7	14
Tar	51	132	312
FOREIGN COUNTRIES			
Austria—			
Coal	222	53	57
Brown coal	942	574	520
Coke	12,590	4,435	156
Briquettes	92	3	—
Tar and pitch	15,359	13,069	10,436
Tar oils	6,181	4,663	5,820
Naphthalene	543	531	300
Carbolic acid	5	5	6
Carbolineum, creolin, etc.	12	8	8
Belgium-Luxemburg E.U.—			
Coal	3,177,734	3,310,787	3,512,560
do. (bunkers)	257,333	220,137	237,761
Brown coal	882	993	972
Coke	966,230	899,760	945,026
Briquettes	416,540	354,193	318,722
do. (bunkers)	140,290	111,558	80,883
Anthracene	508	162	670
Tar and pitch	62,427	56,283	57,113
Naphthalene	7,350	9,489	8,120
Distillates	87,020	74,343	71,021

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

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

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Coal	681	1,152	661
Czechoslovakia—			
Coal	1,346,183	1,347,297	1,414,098
Brown coal	1,509,069	1,603,845	1,798,371
Coke	272,164	264,051	340,723
Briquettes	80,401	78,503	85,229
Tar and pitch	38,362	1,943	919
Benzol, etc.	4,382	3,308	3,252
Crude naphthalene	156	1,948	3,279
Crude carbolic acid	2,293	753	126
Cresol	516	446	396
Denmark—			
Tar and pitch	778	408	985
France (b)—			
Coal	3,104,527	2,926,332	2,873,131
Coke	328,492	306,849	319,454
Briquettes	123,597	121,959	123,548
Coal, coke and briquettes—			
Bunkers (domestic produce) ..	48,972	23,299	(a)
do. (foreign produce) ..	1,377,294	1,230,545	(a)
Tar and pitch	15,700	15,551	41,147
Benzol, etc.	18,154	19,785	31,659
Naphthalene, etc.	787	1,462	2,824
Carbolic acid, etc.	884	232	217
Germany—			
Coal	17,913,825	18,023,624	21,464,360
do. (bunkers for foreign ships)	109,404	128,630	126,258
Brown coal	8,590	2,714	1,364
Coke	5,106,784	5,296,623	6,069,025
Coal briquettes	892,821	802,936	712,202
Brown-coal briquettes	1,497,245	1,279,093	1,214,598
Tar and pitch	155,492	74,188	67,025
Naphthalene	13,268	14,215	15,645
Anthracene	1,220	965	1,476
Carbolic acid	1,790	388	332
Cresol	1,638	2,218	2,832
Light coal-tar oils, etc.	2,651	1,504	11,693
Heavy coal-tar oils, etc.	49,921	22,126	1,516

(a) Information not available.

(b) Exports from France proper to all countries including exports to the Saar territory were (long tons):—

	1932	1933	1934
Coal	1,573,000	1,423,000	1,363,000
Coke	275,000	272,000	298,000
Briquettes	124,000	125,000	126,000

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Coal	125,749	49,344	20,521
Brown coal	213,675	167,497	154,232
Coke	332	236	322
Briquettes	432	1,598	994
Tar and pitch	11	5	1,450
Benzols	4	5	16
Italy—			
Coal, etc. (c)	55,335	53,467	48,701
Coke	1,812	1,690	1,004
Tar and tar oils	3,884	4,200	3,047
Naphthalene	47	32	26
Benzol, toluol and xylol	59	24	44
Carbolic acid	14	7	5
Anthracene	—	497	—
Latvia—			
Coal	502	238	160
Coke	28	12	—
Netherlands—			
Coal	3,372,710	3,186,605	3,109,744
do. (bunkers)	1,474,463	1,704,417	2,324,900
Brown coal	30	10	—
Coke	1,901,775	1,955,286	2,042,275
Briquettes	323,067	310,400	321,188
Brown-coal briquettes	12,255	6,064	6,952
Tar	7,402	6,594	6,394
Creosote	12,347	10,949	17,887
Naphthalene	3,039	4,808	4,359
Anthracene	2,769	1,781	3,009
Carbolic acid	41	51	46
Benzol	16,715	17,598	20,280
Toluol and xylol	1,596	1,535	1,296
Naphtha	45	30	90
Asphalt	555	392	56
Norway—			
Anthracite	—	—	145
Tar	587	195	19
Creosote	98	—	20

(c) Including bunkers for foreign ships which in 1932 amounted to 17,124 long tons.

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bituminous coal	9,740,070	8,669,123	9,279,662
do. (bunkers)	320,605	285,105	444,266
Coke	193,616	166,364	356,899
Briquettes	5,057	6,615	8,288
Tar and pitch	7,134	5,675	420
Naphthalene	286	1,106	4,314
Anthracene, etc.	465	257	—
Carbolic acid, etc.	422	415	288
Benzol	10,832	9,456	12,072
Creosote, etc.	1,129	90	136
Portugal—			
Coal	225	192	84
do. (bunkers)	117,233	158,866	166,588
Tar and pitch	684	85	50
Roumania—			
Anthracite	12,766	6,609	—
Bituminous coal	2,792	276	57
Coke	—	1	—
Brown coal	67	15	21
Tar	—	1	8
Creosote, etc.	—	5	55
Spain—			
Coal	1,081	3,463	11,204
Coke	102	58	52
Briquettes	—	984	—
Tar and pitch	112	11	8
Benzol, toluol, etc.	22	9	—
Spitzbergen—			
Coal (including bunkers)	253,059	349,496	491,158
Sweden—			
Anthracite	3	40	13
Bituminous coal	103	539	479
Coke	5,332	9,157	9,962
Tar, pitch, etc.	10,816	12,162	7,052
Benzol oils	443	1,530	1,976
Carbolic acid, etc.	107	4	1
Switzerland—			
Coal	888	104	57
Coke	515	572	507
Briquettes	3	8	200
Tar and pitch	5,135	6,984	4,269
Creosote, etc.	560	679	722
Naphthalene, etc.	177	238	263

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Anthracite	861,702	793,575	981,490
Other coal	905,055	995,240	1,150,871
Coke	75	15	—
Briquettes	(a)	(a)	39,976
Tar and pitch	45,235	48,775	69,024
Solvent naphtha	(a)	(a)	1,231
Benzol, toluol and xylol	(a)	(a)	3,989
Carbolic acid	(a)	(a)	12
Naphthalene	(a)	(a)	3,231
Yugoslavia—			
Bituminous coal	671	1,889	4,206
Lignite	46,111	38,254	42,481
Brown coal	10,368	11,617	9,086
Coke	56	20	—
Tar and pitch	1	496	191
Creosote	3	60	18
Algeria—			
Coal	2,093	7,685	6,196
do. (bunkers)	95	116	48
do. do. (b)	1,033,005	926,742	961,412
Coke	100	71	2,519
Briquettes	828	3,048	2,515
do. (bunkers)	852	69	(a)
do. do. (b)	6,685	6,945	(a)
Tar	4	7	4
Benzol	—	56	58
Belgian Congo—			
Coal and briquettes	3	5	1
Canary Islands (b)—			
Coal (bunkers)	241,226	121,444	(a)
Cape Verde Islands (b)—			
Coal (bunkers)	70,000	(a)	(a)
Egypt—			
Coke	632	427	1,001
Tar	56	258	(a)
French West Africa (b)—			
Coal (bunkers)	63,908	56,491	87,481
Madagascar (foreign coal)—			
Coal (bunkers)	11,265	9,946	11,121
Morocco—			
Coal	1,648	2,217	4,765
Mozambique—			
Coal	5,308	2,272	7,619

(a) Information not available.

(b) Foreign coal (see imports).

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Spanish Africa (b)—			
Ceuta—			
Coal	1,115	618	(a)
do. (bunkers)	69,739	76,716	(a)
Coke	10	—	(a)
Melilla—			
Coal	31	—	(a)
Coke	—	19	(a)
French West Indies—			
Martinique—			
Coal (bunkers) (c)	40,000	22,000	(a)
Mexico—			
Coke	(a)	174	1,740
Netherlands West Indies—			
Coal (bunkers)	3,699	2,468	(a)
Réunion (b)—			
Coal (bunkers)	907	1,455	300
St. Pierre and Miquelon (b)—			
Coal (bunkers)	2,555	6,700	12,000
United States—			
Anthracite	1,163,710	923,716	1,158,581
Bituminous	7,869,685	8,068,703	9,704,064
do. (bunkers)	1,204,319	1,174,636	1,179,128
Coke	562,635	569,481	841,772
Tar and pitch	276,984	330,988	268,437
Benzol	10,804	28,132	32,307
Creosote	452	543	772
Argentina—			
Coal (bunkers) (c)	26,376	18,584	14,681
Coke	(a)	219	151
Brazil—			
Coal	3	—	93
Chile—			
Coal, including bunkers	30,626	119,196	159,552
Coke	85	69	87
Uruguay—			
Coal (b)	55,523	60,183	(a)

(a) Information not available.

(b) Foreign coal (see imports).

(c) Foreign coal; excluded from imports.

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
China—			
Coal (including dust)	2,013,881	572,902	796,781
do. (bunkers)	101,701	427	2,391
Coke	4,048	1,682	6,428
Benzol	738	—	—
Formosa—			
Coal	62,646	113,942	(a)
do. (bunkers)	57,972	76,471	(a)
Coal dust	166,492	214,254	(a)
do. (bunkers)	132,721	153,184	(a)
Coke	638	363	(a)
Tar	45	35	(a)
French Indo-China—			
Coal	1,129,072	1,236,769	1,154,575
Coke	58	39	62
Briquettes	14,530	6,218	5,466
Tar	12	603	6
Iran (Persia) (b) (c)—			
Coal, coke and peat	1	—	2
Benzol	90	29	79
Japan—			
Coal	1,365,971	1,535,536	1,070,035
do. (bunkers)	1,749,245	1,986,720	(a)
Tar, pitch, etc.	21,999	31,166	41,571
Korea—			
Coal	397,875	469,265	591,014
Briquettes	114	904	78
“Manchoukuo”—			
Coal	3,345,743	3,940,920	3,696,814
do. (bunkers)	428,278	596,849	605,908
Coke	5,782	7,370	10,371
Benzol	1,157	1,261	1,069
Netherlands East Indies—			
Coal	256,316	261,248	225,851
do. (bunkers)	14,404	8,865	12,682
Syria and Lebanon—			
Bituminous	—	—	1,029
Coke	—	—	153
Briquettes	—	—	482
Tar	—	—	15
Turkey—			
Anthracite	1,673	(a)	(a)
Coal, peat and briquettes	414,665	541,000	656,000
Coke	3	(a)	(a)

(a) Information not available.

(b) Including re-exports.

(c) Years ended June 21.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom			
Coal	17,621	13,210	18,027
Coke	10,213	20,465	25,191
Manufactured fuel.. .. .	193	336	1,176
Tar and pitch	6,717	14,665	12,230
Heavy coal-tar oils	1,074	358	74
Naphthalene	853	665	946
Anthracene.. .. .	697	821	1,104
Carbolic acid	1	568	228
Cresylic acid	10	31	170
Benzol	462	2,309	102
Irish Free State (total imports)—			
Anthracite	31,709	38,364	54,357
Bituminous	2,256,095	2,213,208	2,275,633
Coke	20,129	18,887	20,679
Tar and pitch	7,253	2,139	4,999
Creosote etc.	279	869	384
Tar and bitumen mixture	7,173	11,272	3,660
Benzol	35	28	52
Malta—			
Coal (c)	70,173	76,406	88,046
Anglo-Egyptian Sudan—			
Coal	46,266	57,547	77,080
Coke	365	881	449
Patent fuel	3,476	2,734	13,440
Tar and pitch	50	91	42
Gambia—			
Coal, coke and patent fuel	1,560	1,701	1,100
Gold Coast—			
Coal	29,066	26,888	43,448
Coke	138	232	335
Patent fuel	209	412	286
Kenya and Uganda—			
Coal	50,657	85,156	62,269
Coke	96	447	194
Cresote, etc.	92	65	59

* For ammonium sulphate, etc., see Nitrogen Compounds, pages 253-261.

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

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Mauritius—			
Coal	20,905	38,412	47,783
Coke	117	755	} 9,106
Patent fuel	5,784	8,058	
Tar and pitch	50	74	67
Nigeria—			
Coal	31,100	26,460	27,015
Coke	815	532	823
Patent fuel	400	304	2,163
Northern Rhodesia—			
Coal	118,661	173,446	204,404
Coke	288	799	
Nyasaland—			
Coal and coke	915	2,975	3,706
Sierra Leone—			
Coal (c)	28,543	20,168	33,104
Coke	—	53	10
Patent fuel	—	2,100	1,500
Southern Rhodesia—			
Coal and coke	133	114	132
Tar, pitch, etc.	216	75	177
South West Africa—			
Coal	1,013	893	1,209
Coke	66	47	49
Tanganyika Territory—			
Coal	15,628	7,718	5,917
Coke	12	52	56
Creosote	11	27	23
Union of South Africa—			
Coal, coke and patent fuel	2,516	111	40
Benzine and benzol	263	—	—
Tar and pitch	333	500	668
Naphthalene	145	210	250
Creosote	723	352	277
Zanzibar—			
Coal	2,759	3,685	2,807
Canada—			
Anthracite	2,797,865	2,685,188	3,086,040
do. dust, etc.	13,654	7,287	39,463
Bituminous	7,606,444	6,996,013	8,205,415
do. (bunkers)	257,066	312,700	251,375
Brown coal	2,682	2,417	2,492
Coke	578,642	560,365	789,676
Cresylic acid	530	259	228

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

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Canada—(cont.)			
Tar	9,223	1,819	4,110
Pitch	420	772	2,099
Naphthalene	546	470	377
Carbolic acid, etc.	2,012	1,466	2,397
Newfoundland (years ended June 30)—			
Anthracite	9,228	10,810	22,070
Other coal	239,010	207,649	268,004
Coke	180	3,803	753
British Guiana—			
Coal	3,284	3,378	6,128
Coke	88	121	91
Patent fuel	6,253	4,000	4,901
British West Indies—			
Bahamas—			
Coal	71	115	208
Barbados—			
Coal, coke, and patent fuel (c) ..	5,951	4,681	4,093
Bermuda—			
Coal	7,332	8,080	5,266
Jamaica—			
Coal	145,513	120,735	124,260
Coke and patent fuel	55	54	64
Leeward Islands (d)—			
Coal, coke, etc.	1,816	3,523	2,204
St. Lucia—			
Coal (c)	22,779	22,561	20,082
St. Vincent—			
Coal	62	78	92
Trinidad and Tobago—			
Coal (c)	35,734	41,151	33,805
Coke	334	16	344
Patent fuel	6,098	7,440	8,800
British Honduras—			
Coal and coke	128	137	189
Aden (total imports)—			
Coal (e)	36,331	41,293	40,400
Coke	24	48	—
Tar and pitch	33	20	16
Naphthalene	169	288	315

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British Borneo—			
Sarawak—			
Coal	—	173	811
State of North Borneo—			
Coal and coke	15	633	962
British India (total imports)—			
Coal	33,632	46,209	57,442
Coke	13,912	21,121	14,719
Coal and coke (government stores)	131	202	84
Tar and pitch	4,312	8,206	4,781
Naphthalene	423	542	583
Carbolic acid	23	31	37
British Malaya (total imports)—			
Coal (c)	539,009	553,623	556,000
Coke	3,598	4,237	5,892
Tar and pitch	1,472	1,778	1,950
Ceylon—			
Coal (c)	350,046	404,916	404,976
Coke	902	381	770
Cyprus—			
Coal	9,320	8,962	6,002
Coke and briquettes	—	—	540
Tar and pitch	12	9	8
Hong Kong (total imports)—			
Anthracite	19,604	60,061	68,522
Bituminous	757,029	838,720	699,443
Coke	2,468	2,515	1,483
Briquettes	—	74	303
Palestine (total imports)—			
Anthracite	27,556	32,018	28,253
Other coal	22,443	20,558	16,813
Coke	741	479	997
Briquettes	3,815	4,710	4,052
Tar and pitch	83	52	80
Australia—			
Coal	4,764	4,368	5,549
Coke	616	610	717
Naphthalene	156	188	211
Carbolic acid	23	27	32
Tar oil	691	705	1,223

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

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

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

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Fiji—			
Coal	18,877	21,331	26,155
Coke	421	343	361
Tar and pitch	(£1,116)	(£520)	(£752)
New Zealand—			
Coal	103,531	99,272	100,715
Coke	601	602	610
Benzol, toluol, etc.	30	17	45
Naphthalene	(£254)	(£356)	(£353)
Solomon Islands (b)—			
Coal	922	964	(a)
Western Samoa—			
Coal	(£158)	(£9)	(£11)
FOREIGN COUNTRIES			
Austria—			
Coal	2,947,103	2,629,464	2,546,419
Brown coal	173,583	155,513	150,173
Coke	301,391	261,700	318,041
Briquettes	30,965	21,659	19,971
Carbolic acid	277	306	352
Tar and pitch	153	182	121
Naphthalene	9	9	17
Carbolineum, creolin, etc.	2	2	4
Tar oils	818	496	822
Belgium-Luxemburg E.U.—			
Coal	6,627,847	5,149,971	4,410,115
Brown coal	164,912	146,174	127,210
Coke	1,911,825	1,728,578	2,300,799
Briquettes	198,727	207,477	186,814
Tar and pitch	119,022	92,389	126,897
Naphthalene	6,304	4,883	6,846
Anthracene	767	857	2,681
Distillates	51,025	18,502	23,716
Bulgaria—			
Coal	43	—	—
Coke	4,345	4,431	3,579
Carbolic acid	6	6	7
Naphthalene	325	239	315
Creosote, etc.	12	1,389	1,624

(a) Information not available.

(b) Years ended March 31 following.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Coal	1,562,978	1,128,722	1,224,112
Brown coal	102,032	54,791	48,511
Coke	225,176	165,360	158,784
Briquettes	32,380	25,847	22,782
Tar and pitch	1,517	1,656	660
Benzol, etc	102	106	5
Crude carbolic acid	158	785	1,480
Cresol	27	39	30
Denmark—			
Coal	3,545,464	3,625,599	3,740,497
Coke	935,981	912,107	928,437
Briquettes	150,522	29,250	71,669
Tar and pitch	4,282	2,283	1,939
Benzol	759	926	1,035
Carbolic acid	16	19	78
Estonia—			
Coal	47,201	47,729	39,116
Coke	1,474	1,997	2,526
Tar and pitch	32	62	201
Naphthalene	10	16	17
Carbolic acid	3	10	4
Benzol	6	16	25
Finland (total imports)—			
Anthracite	2,241	2,160	2,012
Bituminous	873,659	931,485	1,072,143
Brown coal, briquettes, etc.	819	501	22
Coke	167,562	184,926	203,744
Tar and pitch	811	808	986
Carbolic acid, creosote and cresol	2,929	1,133	1,202
Naphthalene	76	102	109
Benzol	52	14	11
Carbolineum	134	109	74
France (b)—			
Coal	17,581,726	17,669,995	16,375,952
Coke	1,932,076	2,210,918	2,163,375
Briquettes	1,073,530	1,002,138	925,530
Tar and pitch	686,441	663,464	720,103
Naphthalene, etc.	3,916	2,000	667
Carbolic acid, etc.	1,585	919	1,203
Benzol	9,200	10,705	26,664

(b) Imports into France proper from all countries, including imports from the Saar territory, were (long tons):—

	1932	1933	1934
Coal ..	21,410,000	21,401,000	20,419,000
Coke ..	2,020,000	2,268,000	2,241,000
Briquettes ..	1,039,000	972,000	898,000

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Germany—			
Coal	4,137,222	4,089,947	4,785,038
Brown coal	1,416,651	1,556,683	1,748,817
Coke	715,609	706,587	764,075
Coal briquettes	77,427	77,813	107,840
Brown-coal briquettes	68,029	76,597	86,081
Tar and pitch	23,539	70,778	88,701
Naphthalene	425	3,340	3,858
Anthracene.. .. .	55	324	565
Carbolic acid	1,630	2,127	1,228
Cresol	688	818	875
Light coal-tar oils, etc.	80,828	67,821	78,896
Heavy coal-tar oils, etc.	6,146	23,448	40,662
Greece—			
Coal	722,834	586,791	721,714
Coke	38,083	41,526	63,206
Naphthalene	548	652	664
Pitch	127	2,736	562
Benzol	364	236	156
Hungary—			
Coal	210,945	180,419	235,744
Brown coal	5,325	5,014	2,559
Coke	161,454	139,259	173,266
Briquettes	—	—	482
Tar and pitch	31,917	14,285	11,305
Benzols	1,107	1,049	1,532
Carbolic acid and cresol	16	30	14
Anthracene, etc.	74	59	80
Iceland—			
Coal	112,628	154,499	(a)
Coke	1,078	1,690	(a)
Tar and pitch	18	33	(a)
Carbolineum	1	11	(a)
Italy—			
Anthracite	895,718	949,271	1,105,633
Bituminous coal	6,737,363	7,444,295	10,230,047
Lignite	45,862	46,464	47,353
Coke	744,342	755,194	933,040
Coal briquettes	159,590	162,466	160,086
Brown-coal briquettes	50,632	47,388	51,109
Tar and tar oils	14,119	18,812	5,716
Carbolic acid	478	731	650
Naphthalene	1,465	1,938	1,779
Benzol, toluol and xylol	6,617	8,369	7,814

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Coal	364,508	422,794	461,570
Coke	62,532	50,654	53,619
Briquettes	197	1,329	—
Tar and pitch	573	373	414
Carbolic acid	8	6	12
Naphthalene	53	42	50
Benzol	13	13	5
Creosote, etc.	2,459	2,000	1,208
Lithuania—			
Coal	214,006	219,440	225,585
Coke	21,778	22,362	18,800
Briquettes	5,133	5,311	2,579
Carbolic acid	7	1	4
Naphthalene	15	19	26
Tar	702	1,463	661
Benzol	9	11	9
Carbolineum	65	81	24
Asphalt and pitch	1,182	1,283	1,593
Netherlands—			
Coal	6,410,497	6,619,324	7,585,761
Brown coal	55	243	47
Coke	311,182	326,442	351,975
Briquettes	348,815	367,555	353,993
Brown-coal briquettes	168,083	149,993	141,053
Tar	2,389	5,790	383
Creosote	1,171	166	10,601
Naphthalene	346	406	530
Carbolic acid	128	320	307
Benzol	85	42	131
Toluol and xylol	101	121	265
Carbolineum	152	202	338
Naphtha	50	93	118
Asphalt	377	719	1,843
Norway—			
Coal	1,988,194	2,029,066	2,031,980
Coke	366,421	363,655	362,414
Tar and pitch, etc.	7,528	9,606	14,717
Creosote, etc.	3,540	2,451	3,254
Poland—			
Anthracite	4,486	12,383	13,056
Bituminous coal	88,367	106,041	75,662
Brown coal	256	—	—
Coke	39,558	45,055	52,691
Briquettes	11,839	7,188	5,729
Tar and pitch	6,389	4,590	6,523
Creosote, etc.	141	110	13
Benzol	80	12	11
Carbolic acid, etc.	4	5	5

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Coal and coke	901,937	1,081,163	1,092,047
Briquettes	244	9,923	6,790
Tar and pitch	3,530	2,022	932
Carbolic acid	2	3	3
Naphthalene	77	90	78
Roumania—			
Anthracite	317	294	1,968
Bituminous coal	59,622	32,198	36,082
Coke	43,553	34,658	39,867
Brown coal	231	117	26
Briquettes	487	185	99
Naphthalene	214	255	269
Benzol	160	221	483
Tar	165	303	1,285
Creosote, etc.	2,289	19	12
Carbolic acid	36	70	105
Spain—			
Anthracite	81,677	43,523	77,072
Bituminous coal	725,313	669,674	931,705
Other coal	127	31	54
Coke	80,077	60,347	80,901
Briquettes	15,931	11,775	17,114
Benzol, toluol, xylol, etc.	2,478	522	1,008
Cresol and carbolic acid	46	19	14
Creosote	1,112	277	330
Tar and pitch	50,068	40,540	37,977
Sweden—			
Anthracite	75,205	81,487	84,283
Bituminous coal	4,382,379	4,518,952	5,097,133
Coke	1,276,564	1,357,908	1,459,216
Briquettes	7,523	5,770	6,490
Tar, pitch, etc.	2,279	1,396	2,142
Benzol oils	1,349	755	565
Carbolic acid, etc.	5,951	5,773	6,168
Switzerland—			
Coal	1,877,273	1,871,117	1,870,284
Lignite	257	360	376
Coke	779,907	745,979	731,097
Briquettes	570,367	497,225	467,231
Tar and pitch	34,443	32,386	31,720
Creosote, etc.	772	929	1,127
Naphthalene, etc.	6,835	6,944	8,504

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Coal	51,682	15,160	25,924
Coke and briquettes	—	33	36
Yugoslavia—			
Anthracite	30,594	19,608	25,016
Bituminous coal	164,488	104,858	133,188
Lignite	251	—	118
Brown coal	2,194	1,883	694
Coke	151,061	158,921	178,523
Briquettes	69	26	17
Tar	2,035	1,983	1,468
Light oils	181	210	540
Heavy oils	9,571	8,444	5,217
Naphthalene, etc.	168	502	403
Carbolic acid, etc.	29	27	21
Algeria—			
Coal (b)	465,848	463,222	458,974
Coke	2,005	2,129	3,768
Briquettes	135,831	115,786	37,840
Tar and pitch	11,219	9,763	(a)
Benzol	28	79	61
Naphthalene	87	139	(a)
Heavy oils	470	705	(a)
Angola—			
Coal	26,636	36,790	19,970
Coke	383	—	—
Tar and pitch	133	160	118
Belgian Congo—			
Coal	26,357	517	5,088
Coke	25,159	15,116	49,680
Briquettes	32,407	28,381	22,354
Cameroon (French)—			
Coal and briquettes	7,385	151	3,156

(a) Information not available.

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

1932	1,401,120 long tons.
1933	1,452,224 ..
1934	1,351,042 ..

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Anthracite (c)	5,480	28,055	(a)
Bituminous (c)	241,226	121,444	(a)
Briquettes	2,795	2,586	(a)
Coke	12,107	9,300	(a)
Tar and pitch	214	142	(a)
Benzol, toluol, etc.	175	1	(a)
Cape Verde Islands—			
Coal (c)	50,938	51,000	(a)
Egypt—			
Coal	954,032	993,588	1,143,706
Coke	11,882	20,763	16,141
Briquettes	40,213	25,905	45,653
Tar and pitch	3,412	100	191
Naphthalene	120	113	139
French Equatorial Africa—			
Coal	1,932	2,010	5,947
Tar	31	29	—
French Somaliland—			
Coal	20,911	10,734	14,090
French Togoland—			
Coal	5,094	2,431	1,343
Coke	41	20	(a)
Tar	79	64	(a)
French West Africa—			
Coal (c)	134,078	112,993	140,070
Tar	146	158	(a)
Madagascar—			
Coal	10,752	18,788	17,449
Coke	178	377	241
Tar	138	121	141
Morocco—			
Coal	169,264	138,668	109,752
Coke	10,335	7,566	2,405
Briquettes	18,576	46,449	38,522
Tar and bitumen	17,372	13,625	15,549

(a) Information not available.

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

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Mozambique—			
Coal	113,193	83,293	76,707
Coke	60	112	(a)
Tar and pitch	81	98	(a)
Portuguese Guinea—			
Coke	52	(a)	(a)
Réunion—			
Coal	7,186	5,852	8,752
Coke	54	30	79
Spanish Africa (<i>b</i>)—			
Ceuta—			
Coal (<i>c</i>)	73,662	85,139	(a)
Coke	—	3,842	(a)
Melilla—			
Coal	15,884	13,347	(a)
Coke	400	488	(a)
Briquettes	—	527	(a)
Tunis—			
Coal	144,980	184,382	150,201
Coke	2,610	5,585	8,576
Briquettes	19,218	21,630	12,230
Tar	6,119	22	4,415
Costa Rica (<i>b</i>)—			
Coal	222	2,525	(a)
Cuba (<i>b</i>)—			
Coal	249,226	177,632	(a)
Coke	47,737	113,376	(a)
Creosote oil	20	49	(a)
Tar	126	80	(a)
Benzol	—	131	(a)
Dominican Republic (<i>b</i>)—			
Coal	4,638	2,967	3,233
Coke, briquettes, etc.	150	151	143
French West Indies—			
Guadeloupe—			
Coal and coke	6,886	4,904	2,881
Martinique—			
Coal	18,970	14,020	14,137
Coke	29	—	36

(a) Information not available.

(b) Total imports.

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

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

Importing Country and Description.	1932	1933	1934			
FOREIGN COUNTRIES (Cont.)						
Haiti (years ended September 30)—						
Coal	5	18	21			
Mexico—						
Coal	8,101	10,924	17,898			
Coke	613	1,142	758			
Tar and pitch	117	244	60			
Benzol	3	33	3			
Netherlands West Indies—						
Coal	3,798	2,900	(a)			
Nicaragua (total imports)—						
Coal and coke	75	137	76			
St. Pierre and Miquelon—						
Coal	10,000	11,668	10,000			
United States—						
Anthracite	542,051	407,368	426,891			
Bituminous coal and lignite	166,883	176,275	166,102			
Coke	104,710	143,637	143,691			
Briquettes	(d) 26,081	37,853	—			
Tar and pitch	5,793	22,299	18,761			
Benzene	3,258	4,334	3,909			
Cresylic acid	1,820	3,095	376			
Creosote oil	116,269	73,761	126,087			
Naphthalene	12,055	19,101	21,426			
Carbolic acid	287	56	11			
Argentina—						
Coal	} 2,349,504	{ 2,210,685	2,440,787			
Briquettes				188,444	234,001	
Coke				29,125	18,741	26,742
Tar and pitch				35	113	202
Naphthalene				414	582	694
Carbolic acid				170	196	255
Creolin				92	72	85
Brazil (total imports)—						
Coal	1,081,867	1,187,826	1,063,000			
Coke	14,791	36,452	27,500			
Briquettes	74,022	47,336	27,500			
Tar and bitumen	655	2,974	(a)			

(a) Information not available.

(d) June 21 to December 31.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Chile—			
Coal	470	66	335
Coke	2,607	2,982	6,006
Briquettes	495	—	497
Naphthalene, etc.	50	58	33
Carbolic acid and cresol	315	602	2,048
Colombia—			
Coal and briquettes	1,229	2,375	3,022
Tar and pitch	65	106	347
Carbolic acid	6	—	—
Cresol, creolin, etc.	11	2	2
Dutch Guiana—			
Coal	3,010	2,248	3,619
Ecuador—			
Coal, coke, etc.	245	(a)	(a)
Creolin	15	(a)	(a)
French Guiana—			
Coal	33	100	70
Coke	26	90	—
Paraguay—			
Coal, coke, etc.	(a)	2,829	(a)
Peru—			
Coal	15,246	15,709	18,817
Coke	2,344	1,696	1,790
Tar	76	173	160
Naphthalene	12	19	20
Uruguay—			
Coal	313,297	338,572	(a)
Venezuela—			
Coal	14,681	11,305	(a)
Naphthalene	9	(a)	(a)
China—			
Coal	1,418,311	1,942,896	1,019,885
Coke	3,202	2,688	2,325
Briquettes	2,620	4,512	2,150
Tar and pitch	1,366	1,762	1,606
Carbolic acid	313	552	950
Naphthalene	577	861	1,137
Formosa—			
Coal	56,870	28,593	(a)
Coke	2,204	1,442	(a)
French Indo-China—			
Coal	17,602	15,526	15,674
Coke	315	512	249
Briquettes	—	42	55½
Tar and pitch	4,398	6,872	2,689

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (total imports) (b)—			
Coal, coke and peat	120	562	819
Tar	643	161	388
Iraq (years ended March 31 of the year following)—			
Coal	2,534	2,063	2,869
Coke	162	226	291
Tar and pitch	12	333	31
Japan (total imports)—			
Coal	2,673,222	3,440,703	3,996,506
Coke	2,163	4,429	5,975
Carbolic acid	102	215	—
Naphthalene	3,020	3,516	3,288
Distillates	2,893	6,710	2,752
Korea (total imports)—			
Coal	846,286	1,060,821	1,209,312
Coke	11,146	20,299	35,607
Tar and pitch	6,001	3,721	1,681
“Manchoukuo”—			
Coal and briquettes	32,640	12,077	29,366
Tar	1,680	261	189
Netherlands East Indies—			
Coal	75,196	48,961	56,716
Coke	5,748	6,259	2,424
Tar	1,844	1,107	1,466
Benzol	448	314	44
Carbolineum	149	157	191
Carbolic acid	12	24	20
Creolin, etc.	277	312	213
Naphthalene	293	296	219
Asphalt	44	468	4
Philippine Islands—			
Coal	296,609	266,653	227,128
Coke	2,996	2,106	2,956
Carbolic acid	2	6	4
Siam (total imports)—			
Coal	16,275	21,476	27,633
Coke	1,213	1,549	1,551

(a) Information not available.

(b) Years ended June 21.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Syria and Lebanon—			
Coal	57,520	36,865	33,688
Briquettes	15,807	27,570	29,321
Coke	799	2,298	3,093
Tar	20	32	17
Naphthalene	12	37	34
Turkey—			
Anthracite	23,002	} (a)	(a)
Coal, peat and briquettes	6,238		
Coke	24,337		
Creosote	1,119		
Cresol and naphthalene	169		
New Caledonia—			
Coal	61,245	80,707	81,810
Coke	9	—	6,000

(a) Information not available.

COBALT

PRODUCTION OF COBALT

(Cwt.)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Northern Rhodesia	—	2,330	11,429
Canada (c)	4,381	4,167	5,310
India (b)	2,500	2,300	2,800
Australia (metal)	60	125	160
FOREIGN COUNTRIES			
Belgian Congo (d)	6,590	12,160	(a)
French Morocco	1,500	1,500	3,200
United States (e)	—	11	(a)
	15,031	22,593	22,899

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

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

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

(d) Content of metal, oxide and salts produced at Oolen (Belgium) from material shipped from the Belgian Congo.

(e) Recovered at an electrolytic zinc plant.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys ..	39	28	107
Cobalt oxide	743	772	715
Northern Rhodesia—			
Cobalt alloy	(a)	4,536	22,432
Canada—			
Cobalt ore (<i>Co content</i>) ..	1,113	479	1,958
Cobalt	522	430	345
Cobalt alloys	182	244	280
Cobalt oxides and salts ..	3,368	4,170	4,283
Australia—			
Cobalt ore	860	892	685
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.(b)—			
Cobalt oxide and pigments	1,439	4,132	3,691
Cobalt salts	2,421	2,185	1,449
Czechoslovakia—			
Zaffre and smalt	2	2	—
France—			
Cobalt ore	2	327	(a)
Cobalt oxide, including zaffre and smalt	37	—	} 262
Cobalt salts	24	26	
Poland—			
Cobalt	—	37	(a)
Morocco—			
Ore	3,970	11,970	24,223

(a) Information not available.

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

1932 ..	513 cwt.
1933 ..	2,256 „
1934 ..	3,855 „

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys ..	2,857	3,444	3,124
Cobalt oxide	2,538	2,569	3,307
Canada—			
Cobalt oxide	(a)	7	3
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt oxide and pigments	193	100	305
Cobalt salts	100	98	120
Bulgaria—			
Cobalt salts	2	—	1
Czechoslovakia—			
Zaffre and smalt	236	220	301
France—			
Cobalt ore	15,043	2,362	5,092
Cobalt oxide, including zaffre and smalt	335	280	795
Cobalt salts	35	10	45
Italy—			
Cobalt oxide	207	305	299
Poland—			
Cobalt	16	122	(a)
Cobalt salts	35	69	191
Roumania—			
Cobalt oxide	12	23	32
U.S.S.R. (Russia)—			
Cobalt	(a)	180	413
Cobalt oxide	(a)	(a)	256
United States—			
Cobalt ore	243	4,456	10,607
Cobalt metal	1,099	3,025	4,519
Cobalt oxide	2,017	5,079	2,935
Cobalt salts	822	886	391
French Indo-China—			
Cobalt oxide	2	18	22
Japan (total imports)—			
Cobalt oxide	853	1,053	1,524

(a) Information not available.

COPPER

PRODUCTION OF COPPER ORE

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	61	40	14
Northern Rhodesia	87,239	129,423	157,599
Southern Rhodesia (smelter)	6	—	—
South West Africa (b)	2,400	—	—
Union of South Africa	9,254	8,250	7,745
Canada	110,571	133,921	162,840
Newfoundland	2,091	3,167	4,229
Cyprus (estimated)	3,200	4,230	4,986
India (estimated)	11,200	10,700	11,500
Australia	14,658	14,413	12,012
Total ..	241,000	304,000	361,000
FOREIGN COUNTRIES			
Austria	168	131	82
Bulgaria (ore)	40	—	50
Czechoslovakia	66	—	443
Finland	5,262	5,582	8,666
France.. .. .	428	222	(a)
Germany	30,255	30,988	27,497
Greece	—	2	(a)
Hungary (smelter)	274	310	(a)
Italy	375	324	320
Norway	16,501	19,500	20,840
Portugal (estimated)	2,000	2,000	2,000
Roumania	12	23	17
Spain	32,000	29,000	30,000
Sweden	4,241	6,762	4,982
U.S.S.R. (Russia)	31,500	32,200	43,400
Yugoslavia	17,900	33,500	42,300
Algeria	18	17	138
Belgian Congo (smelter)	53,000	65,544	108,346
French Equatorial Africa	150	1,500	(a)
Cuba	5,833	7,300	5,700

(a) Information not available.

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

PRODUCTION OF COPPER ORE (*Cont.*)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Mexico (<i>b</i>)	34,698	39,196	43,569
United States (<i>b</i>)	212,599	170,217	213,679
Bolivia (exports)	1,985	1,819	1,596
Chile	101,600	160,000	260,000
Peru	22,369	23,989	27,241
China (smelter)	433	497	(<i>a</i>)
Formosa	3,400	3,900	(<i>a</i>)
Japan (smelter)	70,741	67,942	66,707
Korea	800	900	1,500
Total ..	650,000	700,000	920,000
WORLD'S TOTAL	890,000	1,000,000	1,280,000

(*a*) Information not available.

(*b*) Amount estimated as recoverable.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	13,000	11,100	11,200
Northern Rhodesia	67,887	104,205	137,897
Southern Rhodesia	6	—	—
Union of South Africa	9,239	8,236	8,196
Canada (d)	94,199	116,244	149,423
India	4,443	4,800	6,300
Australia	13,307	11,238	7,970
Total	202,000	256,000	321,000
FOREIGN COUNTRIES			
Austria	1,956	995	587
Belgium	26,524	34,802	30,000
Czechoslovakia	921	767	(a)
France	303	(a)	(a)
Germany (b)	50,100	49,000	52,200
Hungary	274	310	(a)
Italy	420	118	446
Norway	5,330	6,588	7,863
Roumania	108	446	(a)
Spain	15,310	16,995	15,000
Sweden	3,237	6,660	7,980
U.S.S.R. (Russia) (estimated)	45,900	44,600	52,800
Yugoslavia	29,683	39,721	43,689
Belgian Congo	53,000	65,544	108,346
Mexico	43,047	39,300	42,410
United States	274,591	223,634	244,983
Chile	95,976	154,021	252,655
Peru	22,175	24,256	27,589
China	433	497	(a)
Formosa	1,600	1,400	(a)
Japan	70,741	67,942	66,707
Korea	683	772	1,412
Total ..	740,000	780,000	960,000
WORLD'S TOTAL	940,000	1,040,000	1,280,000

(a) Information not available.

(b) *Metallgesellschaft* figures.

(d) Copper content of blister copper.

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc.	3,097	495	386
Bars and ingots	6,161	7,583	11,382
Scrap	3,979	4,107	4,236
Plates, sheets, etc.	5,878	8,566	14,125
Rods and wire	4,461	4,347	7,645
Tubes	740	1,067	1,243
Sulphate	47,505	40,515	39,917
Northern Rhodesia—			
Ore and concentrates	239	26	5
Blister	72,423	103,066	129,555
South West Africa—			
Copper-lead ore and matte	24,631	—	—
Union of South Africa—			
Ore and concentrates	—	106	—
Bars, plates, etc.	8,865	7,156	6,999
Canada—			
Ore, matte, etc. (<i>Cu content</i>)	16,949	15,820	15,690
Blister	9,819	6,757	12,037
Scrap	2,628	2,173	1,736
Bars sheets, tubes, etc.	89,698	85,736	109,579
Newfoundland (<i>b</i>)—			
Concentrates (copper-lead)	—	3,379	826
British India—			
Matte, etc.	11,251	11,887	11,652
British Malaya (including re-exports)—			
Ingots, sheets, wire, etc.	48	39	9
Cyprus—			
Ingots, etc. (<i>c</i>)	3,500	4,200	3,900
Hong Kong (including re-exports)—			
Bars, sheets, tubes and wire	553	333	113
Sulphate	4	5	4
Australia—			
Ore, etc. (<i>Cu content</i>) (<i>b</i>)	95	34	842
Matte	—	1,876	501
Blocks and ingots	10,370	6,469	96
Bars, sheets, wire, etc.	5	933	992

(a) Information not available.

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

(c) Estimated.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Rough copper and scrap	1,016	531	1,102
Bars, sheets, wire, etc.	1,457	814	810
Sulphate	117	5	1
Belgium-Luxemburg E.U.—			
Ore	3,110	8	—
Rough copper and scrap	59,452	63,199	60,396
Sheets, wire, etc.	6,455	10,490	17,575
Sulphate	25,782	24,530	22,278
Bulgaria—			
Ingot and scrap	—	5	5
Czechoslovakia—			
Ore	1,535	—	—
Crude, refined and scrap	1,888	2,218	1,996
Sheets, rods, wire, etc.	295	195	133
Denmark—			
Bars, sheets, wire, etc.	48	51	81
Estonia—			
Scrap	455	48	128
Finland—			
Ore	62,096	51,801	51,827
Rough copper and scrap	179	259	145
France—			
Ore, matte, etc.	6,448	4,784	3,131
Ingots, alloys, etc.	1,384	1,587	996
Scrap	3,684	4,581	3,520
Bars, sheets and wire	9,652	6,892	6,753
Sulphate	3,752	4,499	6,528
Germany—			
Ore, including burnt cupreous pyrites	21,455	10,783	4,947
Rough copper and alloys	44,092	33,991	27,490
Coin and scrap	2,412	2,453	19
Bars, sheets, wire, etc.	30,729	25,601	27,337
Sulphate, including ferrous sul- phate	9,665	5,012	4,924
Hungary—			
Rough copper and scrap	—	165	3
Bars, sheets, wire, etc.	1,068	880	1,004
Sulphate	229	—	—

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore	296	1,091	484
Ingots, scrap and alloys	467	1,142	700
Bars, sheets, wire, etc., and alloys	206	367	368
Sulphate	3,777	5,638	4,641
Netherlands—			
Ingots and bars	39	74	41
Scrap	1,025	987	610
Sheets, tubes and wire	768	1,123	983
Sulphate	22	35	34
Norway—			
Ore	65	856	1,463
Concentrates	12,811	12,110	12,999
Cupreous pyrites	274,363	325,473	366,162
Burnt cupreous pyrites	37,007	25,573	31,659
Refined copper	4,007	5,378	6,374
Scrap, including brass	758	997	664
Sheets, tubes, wire, etc., including brass	114	102	147
Poland—			
Precipitate and scrap	33	20	18
Pigs, bars and ingots	81	13	—
Sheets, tubes and wire	—	3	7
Sulphate	162	296	469
Portugal—			
Ore and cupreous pyrites	199,211	281,444	226,247
Precipitate	224	220	308
Sulphate	59	43	59
Roumania—			
Ore	8	—	—
Rough and scrap	213	14	239
Spain—			
Ore—			
Not more than 5% copper	346,611	196,339	244,770
More than 5% copper	14	163	—
Precipitate and scrap (c)	12,512	10,334	9,167
Ingots (c)	298	124	571
Sulphate	57	72	14
Sweden—			
Ore	3,885	1,635	1,308
Rough copper	5,853	8,017	3,487
Scrap, including brass	2,370	3,659	3,036
Sheets, tubes, wire, etc.	4,667	5,050	8,073
Sulphate	2	8	—

(c) Including alloys.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Ore, filings and turnings	955	1,254	1,250
Bars, ingots, etc (c)	294	347	324
Scrap (c)	557	537	719
Sheets, tubes, wire, etc. (c) ..	4,086	5,439	4,892
U.S.S.R. (Russia)—			
Ingots, bars, sheets, etc. ..	13	44	32
Yugoslavia—			
Ore	10	—	5
Ingots and scrap	25,792	34,943	35,555
Sulphate	4	417	2
Algeria—			
Ore, matte, etc.	31	274	—
Bars, sheets and wire	289	29	5
Scrap	455	768	131
Sulphate	44	21	(a)
Angola—			
Ore	792	495	274
Belgian Congo—			
Ore	—	5	17
Matte	(a)	(a)	86,696
Ingots	58,688	92,704	42,993
Canary Islands—			
Precipitate and scrap	3	34	(a)
Egypt (including re-exports)—			
Rough copper and scrap	373	572	405
French Equatorial Africa—			
Ore	—	10	—
Morocco—			
Scrap	121	159	125
Mozambique—			
Ore	1	—	(a)
Tunis (including re-exports)—			
Ore	—	—	122
Cuba—			
Ore	21,266	23,938	(a)
Scrap	167	107	(a)
Mexico—			
Ores, concentrates, etc. (Cu content)	519	323	1,114
Bars, etc. (Cu content)	19,082	27,291	44,693
United States—			
Unrefined copper (Cu content) ..	14,672	20,280	16,547
Refined ingots, etc.	99,087	111,234	234,256

(a) Information not available.

(c) Including alloys.

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Scrap	15,339	12,695	11,246
Sheets, rods, wire, etc.	14,670	8,966	15,513
Sulphate	1,845	1,227	1,723
Argentina—			
Ore	29	17	25
Ingots, sheets and scrap	(a)	80	105
Bolivia—			
Ore, etc. (Cu content)	1,985	1,819	1,596
Chile—			
Ore and concentrates	29,401	37,606	44,983
Precipitate	115	113	188
Ingots	118,805	153,853	236,019
Peru—			
Ore (Cu content)	580	157	247
Matte, etc. (do.)	66	44	60
Bars (do.)	21,716	23,782	26,930
Precipitate (do.)	7	6	4
Venezuela—			
Ore	1,310	(a)	(a)
Scrap	14	(a)	(a)
China—			
Ingots and blocks	16	—	—
Scrap	13	20	—
French Indo-China—			
Ingots, sheets, wire, alloys, etc. ..	3	3	2
Scrap	28	45	60
Formosa—			
Copper	400	330	(a)
Japan—			
Ingots and blocks	2,722	152	1,073
Plates, sheets and wire	3,879	6,610	8,123
Korea—			
Ingots	843	1,005	1,563
“ Manchoukuo ”—			
Ingots and slabs	142	317	—
Scrap	2,714	3,213	5,433
Netherlands East Indies—			
Scrap	682	707	962
Philippine Islands—			
Scrap	217	311	399
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys	34	(a)	(a)
Sulphate	9	(a)	(a)

(a) Information not available.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc.	33,145	31,916	39,409
Bars, ingots, etc.—			
Electrolytic	90,109	65,601	104,828
Other	53,395	72,421	138,664
Scrap	2,536	1,447	1,350
Plates, sheets, etc.	3,072	3,853	} 29,588
Rods	15,387	15,884	
Tubes	639	1,315	
Wire	1,047	762	
Sulphate	34	51	
Irish Free State—			
Crude sheets, wire, etc.	598	498	830
Sulphate	4,045	4,095	4,046
Kenya and Uganda—			
Sheets and wire	6	20	26
Mauritius (total imports)—			
Bars, sheets, scrap, etc.	10	24	25
Southern Rhodesia			
Ingots, bars and rods	7	15	5
South West Africa—			
Bars, sheets, pipes, wire, etc.	9	3	3
Tanganyika Territory			
Sheets and wire	19	37	82
Union of South Africa—			
Bars, ingots and slabs	840	489	1,229
Plates, sheets and tubes	195	396	829
Wire	33	24	35
Canada—			
Blocks, pigs and ingots	118	8	15
Bars, sheets, wire, etc.	5,621	371	599
Scrap	4	2	12
Sulphate	2,310	2,047	2,486
West Indies (Barbados)—			
Bars and sheets	(£236)	(£226)	(£760)
British Honduras—			
Sheets and rods	(£459)	(£265)	(a)

(a) Information not available.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Scrap	116	171	43
Ingots, cakes, blocks, etc. ..	130	630	784
Sheets, tubes, wire, etc. ..	17,415	11,930	19,949
Sulphate	1,061	1,256	1,398
Copper (government stores) ..	28	393	522
British Malaya (total imports)—			
Ingots, sheets, wire, etc. ..	164	182	106
Cyprus—			
Bars, sheets, etc.	24	40	47
Hong Kong (total imports)—			
Bars, sheets, tubes and wire ..	401	492	515
Sulphate	14	11	5
Australia—			
Blocks and ingots	58	14	20
Bars, sheets, wire, etc.	818	1,055	1,591
New Zealand—			
Bars, sheets, pipes, etc.	298	441	634
Wire	(£33,858)	(£53,747)	(£98,657)
Sulphate	178	44	48
FOREIGN COUNTRIES			
Austria—			
Ore	—	—	6
Rough copper and scrap	5,718	6,964	10,039
Bars, sheets, wire, etc.	65	45	79
Sulphate	7	1	1
Belgium-Luxemburg E.U.—			
Ore	56,092	57,575	44,495
Rough copper and scrap	37,941	47,052	73,151
Sheets, wire, etc.	1,390	1,136	1,113
Sulphate	51	23	11
Bulgaria—			
Rough and scrap	551	720	660
Bars, sheets, and wire	618	530	255
Sulphate	4,822	3,694	3,420
Czechoslovakia—			
Ore	—	35	—
Crude, refined and scrap	14,508	15,013	19,617
Sheets, rods, wire, etc.	157	78	138
Denmark—			
Rough, scrap and alloys	1,914	2,741	3,389
Bars, sheets, wire, etc.	3,287	4,215	5,252

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Ingots, sheets, tubes, etc. ..	118	129	164
Sulphate	7	11	17
Finland (total imports)—			
Rough and scrap	162	151	248
Bars, sheets, tubes and wire ..	1,681	2,016	3,617
Sulphate	50	62	67
France—			
Ore, matte, etc.	2,957	268	685
Ingots, alloys, etc.	98,296	111,992	105,340
Scrap	7,410	13,694	8,137
Bars, sheets and wire	7,001	8,820	7,832
Sulphate	42,054	41,530	26,288
Germany—			
Ore	234,121	237,097	319,789
Rough copper and alloys	129,057	152,201	177,400
Coin and scrap	17,250	17,628	13,817
Bars, sheets, wire, etc.	306	181	129
Sulphate, including ferrous sulphate	2,273	3,778	1,963
Greece—			
Rough copper and alloys	5	5	5
Sheets, tubes, alloys, etc.	604	747	1,214
Sulphate	7,592	4,597	3,518
Hungary—			
Rough copper and scrap	5,767	5,628	8,480
Bars, sheets, wire, etc.	215	105	152
Sulphate	1	516	1,568
Iceland—			
Bars, tubes, wire, etc.	87	37	(a)
Italy—			
Ore	1,637	94	16
Ingots, scrap and alloys	52,317	59,947	62,320
Bars, sheets, wire, etc., and alloys	2,717	2,460	2,429
Sulphate	7,365	2,250	4,893
Latvia—			
Ingots, bars and scrap	55	278	472
Sheets, tubes and wire	325	273	329
Lithuania—			
Copper	51	82	127

(a) Information not available.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ingots and bars	2,747	4,297	5,275
Scrap	175	154	51
Sheets, tubes and wire	5,600	5,888	5,904
Sulphate	1,788	1,831	2,368
Norway—			
Rough copper and alloys	559	405	423
Copper-nickel matte	4,329	7,151	8,374
Sheets, etc.	561	586	729
Sulphate	242	373	421
Poland—			
Precipitate and scrap	306	652	362
Pigs, bars and ingots	4,361	6,989	10,669
Sheets, tubes and wire	158	116	183
Sulphate	25	9	9
Portugal—			
Ingots, wire, alloys, etc.	4,010	3,610	3,040
Sulphate	611	963	293
Roumania—			
Rough and scrap	1,167	1,822	3,946
Sheets and wire	699	802	603
Sulphate	2,420	3,818	2,656
Spain—			
Precipitate and scrap (b)	3,705	4,118	3,658
Ingots (b)	169	176	104
Sheets, tubes, wire, etc. (b)	310	403	404
Sulphate	1,067	1,323	891
Sweden—			
Ore	884	1,455	2,380
Rough copper	19,349	28,524	31,359
Scrap, including brass	349	331	725
Sheets, rods, wire, etc.	447	449	554
Sulphate	191	208	234
Switzerland—			
Ore, filings and turnings	2,136	1,978	2,141
Bars, ingots, etc. (b)	11,664	14,780	14,579
Scrap (b)	502	963	259
Sheets, tubes, wire, etc. (b)	6,547	6,564	6,897
U.S.S.R. (Russia)—			
Ingots, etc.	11,759	7,731	11,336
Sheets, wire, etc.	22	28	39

(b) Including alloys.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude, scrap, coin, etc.	743	313	828
Bars, sheets, wire, etc.	1,135	784	915
Sulphate	1,049	626	1,594
Algeria—			
Rough and scrap	137	122	220
Bars, sheets, wire, etc.	2,059	1,408	918
Sulphate	6,068	8,064	9,855
Belgian Congo—			
Bars, sheets and wire	66	122	92
Cameroon (French)—			
Sulphate	12	32	(a)
Canary Islands—			
Ingots, sheets, alloys, etc.	23	22	(a)
Sulphate	260	797	(a)
Egypt—			
Crude and scrap (c)	54	145	254
Bars, sheets, tubes, etc.	1,680	2,413	3,299
Sulphate	42	57	52
Morocco—			
Sheets and wire (b)	992	728	475
Sulphate	466	237	244
Mozambique—			
Bars, sheets, wire and alloys	30	18	(a)
Tunis—			
Bars, ingots, scrap, etc. (b)	12	1	44
Sheets and wire (b)	1,118	565	372
Sulphate	187	142	471
Cuba (total imports)—			
Ingots and bars	20	30	(a)
Sheets, tubes and wire	236	297	(a)
Mexico—			
Ingots	201	1,561	551
Bars, sheets, alloys, etc.	125	191	252
Sulphate	382	644	975
United States—			
<i>Cu content of—</i>			
Ore	6,257	5,559	} 15,574
Concentrates	19,730	16,890	
Matte, precipitate, etc... ..	773	1,091	

(a) Information not available.

(b) Including alloys.

(c) Total imports.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Unrefined	72,182	99,813	(c) 90,544
Refined	74,908	4,850	(c) 8,222
Scrap	1,129	116	(c) 121
Sulphate	1,476	24	
Argentina—			
Ingots, sheets and bronze	1,557	3,255	3,257
Sulphate	1,812	1,446	1,008
Brazil (total imports)—			
Rough, scrap, alloys, etc.	2,953	3,804	4,462
Plates, sheets, alloys, etc.	948	1,510	2,021
Tubes, pipes, wire and alloys	361	533	523
Sulphate	1,705	1,773	968
Chile—			
Bars, sheets and wire	24	40	85
Sulphate	—	1	—
Colombia—			
Ingots, sheets, alloys, etc.	227	265	230
Wire	752	900	1,141
Sulphate	15	26	28
Ecuador—			
Ingots, etc.	8	(a)	(a)
Peru—			
Bars, sheets, etc. (b)	33	91	102
Sulphate	25	44	18
Uruguay—			
Sulphate	339	211	(a)
Venezuela—			
Unwrought	26	(a)	(a)
Sulphate	37	(a)	(a)
China—			
Ore	2	1,007	—
Ingots and blocks	1,242	2,248	1,506
Bars, sheets, wire, etc.	1,290	1,836	2,675
Scrap	104	141	51
Sulphate	94	74	105
Formosa—			
Sheets, plates, wire, etc.	1,870	794	(a)

(a) Information not available.

(b) Including brass and bronze.

(c) Cu content.

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French Indo-China—			
Ingots, sheets, alloys, etc. ..	407	624	330
Scrap	502	464	345
Sulphate	7	8	4
Iraq (years ended March 31 of the year following)—			
Crude, sheets, pipes, etc. ..	298	331	700
Sulphate	25	26	54
Japan (total imports)—			
Ingots and blocks	291	13,117	46,248
Korea (total imports)—			
Ingots	49	84	95
Wire	274	428	673
“Manchoukuo”—			
Ingots, slabs and scrap	42	508	539
Sheets, plates and wire	1,055	4,527	2,254
Netherlands East Indies—			
Crude, scrap and alloys	62	37	41
Bars, sheets and alloys	183	283	330
Tubes, wire and alloys	897	1,243	1,190
Sulphate	321	380	156
Philippine Islands—			
Ingots	28	135	79
Sheets and wire	254	263	438
Siam (total imports)—			
Rough copper	40	18	72
Syria and Lebanon—			
Bars, sheets, tubes and wire ..	477	891	764
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys	1,246	(a)	(a)
Sulphate	949	(a)	(a)

(a) Information not available.

DIAMONDS

PRODUCTION OF DIAMONDS

(Metric carats)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Gold Coast (exports)	842,297	803,985	(b)2,391,609
Sierra Leone	749	32,017	(c)66,746
Southern Rhodesia	—	—	12
South West Africa	17,944	2,374	4,126
Tanganyika Territory	1,387	1,432	1,155
Union of South Africa	798,382	506,553	440,313
British Guiana	61,780	49,855	46,008
India	1,254	2,342	2,480
Australia	251	123	49
Total ..	1,724,000	1,399,000	2,952,000
FOREIGN COUNTRIES			
Angola	367,334	373,624	452,963
Belgian Congo	3,872,171	2,256,771	1,450,000
French Equatorial Africa	1,480	570	—
United States	300	—	—
Brazil (estimated)—			
Gem diamonds	15,000	} 34,000	42,500
Low grade and bort	19,000		
Carbons	3,000		
Netherlands East Indies	274	445	1,046
Total ..	4,280,000	2,660,000	1,950,000
WORLD'S TOTAL ..	6,000,000	4,060,000	4,900,000

(b) Includes accumulated stocks of bort and diamond sand exported during 1934.

(c) Exports.

EXPORTS OF DIAMONDS

(Domestic Produce)

Exporting Country and Description.	Unit	1932	1933	1934
BRITISH EMPIRE				
Gold Coast	Carat	842,297	803,985	(b)2,391,609
Sierra Leone	do.	748	26,901	66,746
South West Africa (uncut)	do.	17,946	2,376	4,128
Tanganyika Territory ..	do.	1,391	1,373	1,154
Union of South Africa—				
Uncut	do.	773,965	455,811	1,200,108
Cut and polished	do.	45,899	62,305	43,477
British Guiana	do.	58,581	52,253	45,600
Hong Kong	£	2,970	87	—
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds	£	1,865,000	2,144,000	2,134,000
do. cut and polished	£	3,998,000	3,946,000	4,251,000
Czechoslovakia—				
Glaziers' diamonds ..	£	1,293	823	590
Netherlands—				
Unpolished	£	(a)	290,000	376,000
Polished	£	(a)	1,637,000	1,536,000
U.S.S.R. (Russia)—				
Uncut	Carat	(a)	(a)	25,000
Cut	do.	(a)	(a)	15,000
Angola	do.	257,724	483,448	446,496
Belgian Congo—				
Precious stones, chiefly diamonds	do.	3,751,719	2,423,595	2,007,727
French Equatorial Africa	do.	1,479	574	—
Brazil (c)—				
Diamonds	£	6,414	—	3,643
Carbons (d)	£	7,718	1,623	1,290

(a) Information not available.

(b) Includes accumulated stocks of bort and diamond sand exported during 1934.

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

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

IMPORTS OF DIAMONDS

(Less Re-exports)

Importing Country and Description.	Unit	1932	1933	1934
BRITISH EMPIRE				
United Kingdom	Carat	1,380,000	854,000	(d) 3,344,441
Union of South Africa—				
Cut and polished	Carat	76	198	456
Canada—				
Unset	£	106,891	73,587	108,995
Dust, bort, etc.	£	32,499	78,775	279,304
British Guiana	Carat	6	—	26
British India (b)	£	428,855	475,362	322,727
Ceylon	Carat	1,031	1,712	26,926
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds	£	3,296,000	3,161,000	3,454,000
do. cut and polished	£	315,000	561,000	804,000
Czechoslovakia—				
Glaziers' diamonds	£	228	89	76
Netherlands—				
Unpolished	£	(a)	855,000	945,000
Polished	£	(a)	640,000	468,000
U.S.S.R. (Russia)—				
Uncut	Carat	(a)	(a)	20,000
Egypt—				
Cut	Carat	1,597	2,019	2,668
United States—				
Uncut	Carat	40,153	28,895	38,636
Cut and polished	do.	183,103	178,937	208,296
Glaziers' diamonds	do.	163,704	263,484	526,007
Dust and bort	£	3,700	11,200	13,700
Peru—				
Glaziers' diamonds	£	6	7	14
Netherlands East Indies (c)—				
Uncut	£	2,700	400	1,400
Cut and polished	£	59,000	13,000	7,100
Philippine Islands	Carat	9,087	11,887	7,200

(a) Information not available.

(b) Total imports.

(c) Imported by parcel post and passengers.

(d) Includes a quantity of bort and sand imported from the Gold Coast.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Northern Ireland	3,731	3,998	5,269
Canada	1,336	1,597	1,225
Barbados	10	10	2
Australia	1,484	2,849	(f) 2,672
FOREIGN COUNTRIES			
Denmark (moler) (estimated) ..	29,000	21,000	40,000
Finland	451	620	626
France.. .. .	9,000	3,000	2,233
Germany	(d) 3,945	(d) 4,483	(e) 4,255
Hungary (exports)	1,017	1,246	1,394
Italy	758	1,919	2,264
Norway (exports)	113	221	84
Portugal	—	—	228
Spain (estimated)	2,200	3,300	2,200
Sweden	702	640	1,102
Algeria	10,285	10,826	9,772
United States.. .. .	(c) 73,891	(b) 80,300	(b) 98,200
Chile	49	1	(a)
Japan	7,032	14,371	(a)
Korea	1,761	2,994	(a)
Netherlands East Indies	40	40	95

Diatomaceous earth is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) Estimated.

(c) Average of 3 years' production, 1930-1932.

(d) Exports.

(e) Production of Hessen only.

(f) Excluding the production of Victoria, which amounted to 884 long tons during 1933.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country.	1932	1933	1934
BRITISH EMPIRE			
Canada (including other natural abrasives)	1,001	1,611	1,180
FOREIGN COUNTRIES			
Denmark—			
Moler	23,113	15,384	27,413
Moler bricks	3,569	2,899	5,751
France.. .. .	1,565	1,505	1,052
Germany	3,945	4,483	3,969
Hungary	1,017	1,246	1,394
Italy—			
Crude	78	117	83
Calcined, etc.	53	10	3
Norway—			
Calcined	113	221	84
Poland	7	—	—
Spain (estimated)	2,100	3,200	2,200
U.S.S.R. (Russia)	51	18	1,306
Algeria	9,855	10,120	10,474
Chile	49	1	3

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	19,075	20,587	27,394
Union of South Africa	45	149	152
Canada (b)	90	2,170	1,109
FOREIGN COUNTRIES			
Denmark	658	345	214
Estonia	18	28	28
Finland (total imports)	143	56	60
France.. .. .	4,932	5,509	5,442
Germany	7,616	4,590	14,007
Hungary	649	702	857
Italy—			
Crude	433	425	406
Calcined, etc.	49	51	94
Latvia	12	68	2
Norway	499	1,766	1,182
Poland.. .. .	597	923	(a)
Portugal	206	126	189
U.S.S.R. (Russia)	2	—	—
Yugoslavia	178	216	359
Algeria	32	37	30
Egypt	61	100	86
Tunis	58	95	8
Cuba (total imports)	744	1,052	(a)
Mexico	(a)	(a)	664
Peru	2,399	1,880	1,872

(a) Information not available.

(b) Figures incomplete, as diatomaceous earth is also imported under trade names. Estimated imports were:—

1932 ..	3,393 long tons
1933 ..	3,571 ..

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
China stone	45,091	33,462	47,993
Canada	6,292	9,516	16,341
India	473	677	628
Australia (including china stone) ..	1,006	2,570	2,885
FOREIGN COUNTRIES			
Czechoslovakia (estimated) ..	30,000	30,000	30,000
Finland (exports)	1,505	2,663	3,276
Germany (Bavaria only)	3,494	4,419	6,700
Italy	5,137	4,794	7,516
Norway	20,249	18,202	25,194
Roumania (b)	670	1,288	(a)
Sweden	23,319	32,053	33,924
Egypt	176	59	—
United States (sales)	104,715	150,633	154,188
Argentina	363	370	(a)
Brazil	60	—	(a)
“Manchoukuo”	1,753	(a)	(a)

Felspar is also produced in U.S.S.R. (Russia).

(a) Information not available.

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

EXPORTS OF FELSPAR
(Domestic Produce)
(Long tons)

Exporting Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (b)	8,345	8,658	7,439
Canada	1,801	3,211	9,404
FOREIGN COUNTRIES			
Austria	92	145	239
Belgium-Luxemburg E.U.	2,471	1,736	1,838
Czechoslovakia	5,944	6,505	7,596
Finland	1,505	2,663	3,276
Germany	16,016	19,347	20,314
Netherlands	586	1,038	1,561
Norway—			
Crude	7,787	10,837	14,840
Ground	5,023	6,865	6,949
Sweden	19,860	28,009	33,227
U.S.S.R. (Russia)	(a)	(a)	1,729
Chile	—	10	—

(a) Information not available.

(b) Including china stone.

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

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	11,057	18,382	16,884
Canada	1,328	501	928
FOREIGN COUNTRIES			
Austria	964	948	734
Belgium-Luxemburg E.U.	4,287	5,050	6,562
Czechoslovakia	1,265	1,172	964
Denmark	772	623	981
Finland (total imports)	111	51	303
Germany	20,625	25,249	33,573
Latvia	30	108	—
Netherlands	2,987	3,381	2,376
Poland	1,612	3,003	(a)
Sweden	14	1,295	895
Mexico	(a)	(a)	416
United States	1,897	3,266	9,744

(a) Information not available.

FLUORSPAR

PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	15,427	28,058	34,216
Union of South Africa	1,197	463	1,371
Canada	29	65	134
Australia	1,260	985	1,737
Newfoundland (c)	—	—	2,400
FOREIGN COUNTRIES			
France.. .. .	15,000	(a)	(a)
Germany—			
Anhalt	(a)	(a)	7,241
Baden	(a)	(a)	6,424
Bavaria	21,569	25,948	29,193
Prussia	7,671	10,485	21,215
Saxony	1,274	3,614	6,424
Italy	6,348	7,592	(a)
Norway	562	499	662
Spain (b)	6,402	3,130	(a)
Mexico	151	(a)	(a)
United States.. .. .	15,000	53,000	78,000
Argentina	10	197	(a)
China (estimated)	7,000	7,000	7,000
Korea	7,457	8,933	11,908

Fluorspar is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) In addition 160 cubic metres were produced from quarries during 1932 and 120 cubic metres during 1933.

(c) Exports for year ended June 30.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	1,296	2,122	4,528
Union of South Africa	1,297	845	809
Newfoundland (years ended June 30)	—	—	2,400
FOREIGN COUNTRIES			
Austria	1	7	7
Belgium-Luxemburg E.U.	180	303	384
Germany	20,051	24,513	31,254
Norway	27	34	94

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
Canada	901	1,982	6,446
FOREIGN COUNTRIES			
Austria	3,027	2,705	3,585
Belgium-Luxemburg E.U.	1,783	2,130	2,312
Denmark	496	866	1,136
Germany	18	40	16
Latvia	20	30	69
Norway	439	437	721
Yugoslavia	134	261	299
United States	11,818	9,507	14,915

FULLER'S EARTH

PRODUCTION OF FULLER'S EARTH

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	Not available	Not available	Not available
India	4,359	7,257	8,526
Australia	97	45	72
FOREIGN COUNTRIES			
United States (sales)	203,847	200,136	196,664
Turkey	8,341	4,847	6,257

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: 1932, 12,673 long tons, and 1933, 13,299 long tons.

IMPORTS OF FULLER'S EARTH

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
Union of South Africa	211	165	168
Canada	(£16,724)	(£12,210)	(£8,832)
Ceylon	60	33	42
Australia	247	—	303
FOREIGN COUNTRIES			
U.S.S.R. (Russia)	(a)	(a)	447
United States—			
Crude	86	15	30
Prepared	3,383	3,641	3,820
Philippine Islands	1,301	2,109	1,614

(a) Information not available.

GOLD

PRODUCTION OF GOLD ORE

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

Producing Country	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	6	57	51
Anglo-Egyptian Sudan	700	4,400	5,398
Bechuanaland Protectorate	2,247	5,332	9,485
Gold Coast	278,782	305,908	326,040
Kenya	9,052	10,531	12,110
Nigeria	2,701	17,718	37,023
Northern Rhodesia	6,349	2,588	2,113
Southern Rhodesia	574,135	642,499	691,152
Sierra Leone	10,500	14,484	21,205
South West Africa	890	956	926
Swaziland	365	630	379
Tanganyika Territory	25,687	32,516	42,606
Uganda	586	1,200	5,998
Union of South Africa	11,558,532	11,013,712	10,479,857
Canada	3,044,387	2,949,309	2,972,074
Newfoundland	17,661	15,689	11,219
British Guiana	13,926	23,352	25,420
Cyprus	—	—	13,092
Federated Malay States	27,159	28,973	30,221
Unfederated Malay States	289	2,131	2,324
India	329,600	336,100	322,100
Sarawak	8,178	18,712	28,842
Australia	714,135	825,930	887,524
Fiji	311	1,844	931
New Guinea (years ended June 30) ..	63,485	121,913	190,000
New Zealand	166,354	161,755	160,248
Papua	9,904	9,850	12,591
Total ..	16,870,000	16,550,000	16,280,000
FOREIGN COUNTRIES			
Czechoslovakia	6,544	9,836	16,000
France	92,110	94,521	100,597
Germany	2,205	5,494	(a)
Hungary	2,690	3,099	(a)
Italy	1,842	2,725	2,500
Norway	—	—	129
Roumania	102,591	142,585	120,016
Spain	(a)	7,716	(a)
Sweden	138,631	288,643	246,687
Yugoslavia (estimated)	15,000	28,000	33,000
Belgian Congo	255,271	283,081	337,382

(a) Information not available.

PRODUCTION OF GOLD ORE (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Cameroon (French)	—	—	450
Egypt	16	—	201
Eritrea	1,897	3,569	(a)
French Equatorial Africa ..	15,368	26,556	29,160
French West Africa (exports)	66,420	68,608	98,957
Madagascar	11,338	14,468	15,979
Mozambique	2,665	1,705	10,196
Costa Rica (c)	8,088	2,969	(a)
Guatemala	10,332	(a)	(a)
Honduras	16,054	17,211	12,996
Nicaragua (c)	14,045	6,681	(a)
Panama (c)	3,290	3,295	(a)
Salvador (c)	927	2,691	(a)
Mexico	584,198	637,727	661,390
United States (b)	2,269,459	2,303,736	2,775,504
Argentina (estimated) ..	1,000	1,000	1,000
Bolivia	218	30	112
Brazil	124,163	122,534	206,471
Chile	38,096	147,052	238,547
Colombia	248,249	298,243	344,310
Dutch Guiana (crude) ..	8,964	12,378	(a)
Ecuador	56,147	60,000	(a)
French Guiana (exports) ..	48,450	48,000	47,453
Peru	106,443	119,189	110,659
Venezuela	91,534	95,720	(a)
China	72,900	(a)	(a)
Formosa	65,700	61,500	(a)
French Indo-China	219	145	7,105
Japan	401,784	441,375	471,371
Korea	327,000	390,000	420,000
" Manchoukuo "	(a)	21,640	(a)
Netherlands East Indies ..	78,187	78,829	71,052
Philippine Islands	244,287	296,258	332,974
TOTAL*	5,500,000	6,200,000	7,100,000
WORLD'S TOTAL*	22,400,000	22,800,000	23,400,000

* Excluding the production of U.S.S.R. (Russia). Owing to the wide divergences in the scattered data published (mainly relative figures) it is not possible to form any reliable estimate for the years under review, but the available information indicates that the production of that country was probably within the following ranges—

1932	1,500,000—2,000,000	fine ounces
1933	2,200,000—2,700,000	" "
1934	3,700,000—4,300,000	" "

(a) Information not available.

(b) Amount recovered.

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

EXPORTS OF GOLD

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Bullion—			
Unrefined	298,000	212,000	1,690,000
Refined	19,460,000	8,471,000	15,703,000
Coin	2,520,000	888,000	1,189,000
Anglo-Egyptian Sudan—			
Bullion	99,000	25,000	17,000
Gold Coast—			
Bullion	318,000	294,000	366,000
Kenya and Uganda—			
Bullion	12,000	15,000	22,000
Coin	400	400	200
Nigeria—			
Bullion	2,000	16,000	34,000
Northern Rhodesia—			
Bullion	7,100	1,400	1,500
Sierra Leone—			
Bullion	10,000	13,000	20,000
Southern Rhodesia—			
Concentrates .. .	100	1,000	(a)
Bullion	579,000	623,000	700,300
South West Africa—			
Bullion	900	1,000	1,000
Tanganyika Territory—			
Bullion	27,000	31,000	43,000
Union of South Africa—			
Bullion	11,203,000	10,926,000	8,138,000
Coin	215,000	297,000	12,000
Zanzibar—			
Bullion	2,000	2,600	2,900
Coin	2,000	700	300
Canada—			
Bullion	2,348,000	2,072,000	2,763,000
Coin	367,000	194,000	2,000
British Guiana—			
Bullion	14,000	27,000	20,000
British Borneo (Sarawak)—			
Bullion	8,000	16,000	28,000

(a) Information not available.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British India—			
Bullion—by sea	9,355,000	6,039,000	6,635,000
do. by land	3,000	10	116,000
Coin	411,000	209,000	51,000
British Malaya—			
Bullion	748,000	512,000	209,000
Coin	73,000	6,000	4,000
Hong Kong—			
Bullion	708,000	964,000	769,000
Coin	64,000	30,000	6,000
Australia (years ended June 30)—			
Ores, etc.	900	2,400	31,000
Bullion	1,021,000	1,080,000	1,135,000
Coin	898,000	2,120,000	4,000
Cyprus—			
Concentrates	—	—	1,600
Bullion	500	2,100	700
Fiji—			
Bullion	300	2,000	1,000
New Guinea (years ended June 30)—			
Bullion	68,000	108,000	(a)
New Zealand—			
Concentrates, sweepings, etc.	38,000	19,000	9,000
Bullion	142,000	153,000	149,000
Coin	333,000	65,000	348,000
Papua (years ended June 30)—			
Bullion	6,000	15,000	7,000
FOREIGN COUNTRIES			
Austria—			
Bullion	19,000	25,000	20,000
Coin	51,000	150,000	36,000
Beaten, rolled or drawn ..	100	100	130
Belgium-Luxemburg E.U.—			
Bullion	350,000	270,000	230,000
Beaten, rolled or drawn ..	2,400	1,800	1,000
Czechoslovakia—			
Bullion	8,000	9,000	6,200
Coin	68,000	97,000	300

(a) Information not available.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Bullion and scrap	3,500,000	20,000,000	22,500,000
Coin	1,080,000	1,800,000	1,500,000
Beaten, rolled or drawn ..	20,000	7,000	6,000
Germany—			
Bullion	2,500,000	2,800,000	5,400,000
Coin	2,500,000	6,400,000	58,000
Beaten or rolled	22,000	19,000	19,000
Greece—			
Bullion and coin	50,000	65,000	150
Hungary—			
Bullion	—	—	200
Coin	700	400	200
Italy—			
Bullion and scrap	34,000	32,000	41,000
Coin	2,000	150,000	416,000
Beaten, rolled or drawn ..	20	3,500	2,400
Netherlands—			
Bullion	(c) 4,000,000	7,200,000	5,600,000
Coin	(c) 3,000,000	6,400,000	430,000
Norway—			
Coin	—	165,000	32,000
Poland—			
Bullion	1,190,000	380,000	500
Coin	20,000	60,000	22,000
Spain—			
Bullion	2,100	5,700	6,100
Coin	—	6,200	—
Sweden—			
Bullion	2,000	1,500	3,400
Coin	80,000	40,000	50,000
Switzerland—			
Bullion	1,000,000	9,000,000	4,000,000
Coin	218,000	490,000	900,000
U.S.S.R. (Russia)	(b)	(b)	(b)
Belgian Congo—			
Bullion	211,000	240,000	310,000
Cameroon (French)—			
Bullion	—	—	420

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

(c) Excluding exports by post.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Bullion	294,000	114,000	600
Coin	2,400	600	130
French Equatorial Africa—			
Bullion	15,000	26,000	24,000
French West Africa—			
Bullion	58,000	50,000	70,000
Madagascar—			
Bullion	10,000	12,000	13,000
Costa Rica—			
Bullion	3,000	7,000	(a)
Cuba—			
Bullion	36,000	30,000	(a)
Dominican Republic—			
Bullion	(a)	5,300	11,000
Mexico—			
Bullion	515,000	278,000	733,000
Coin	120,000	360,000	200,000
Nicaragua—			
Bullion, etc.. .. .	13,000	9,000	14,000
Concentrates	6,000	6,000	6,000
United States—			
Ore and base bullion	3,000	(\$2,608,771)	14,000
Refined bullion	34,600,000	16,600,000	1,500,000
Coin	4,600,000	900,000	1,000
Argentina—			
Bullion	200,000	500,000	64,000
Brazil—			
Bullion	150,000	80,000	—
Coin	80,000	—	—
Bolivia—			
Ore	218	30	112
Chile—			
Ore, excluding mixed ores	11,000	50,000	63,000
Bullion	48,000	52,000	8,000
Coin	—	—	42,000
Colombia—			
Bullion	37,000	185,000	500,000
Coin	100,000	—	—
Dutch Guiana—			
Bullion	7,000	11,000	10,000
Coin	—	3,000	—
Ecuador—			
Ore	47,000	(a)	(a)

(a) Information not available.

EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French Guiana—			
Bullion	47,000	48,000	47,000
Peru—			
Ores, concentrates, etc. ..	30,000	31,000	32,000
Bullion, etc.	77,000	88,000	78,000
Coin	50,000	26,000	10,000
Venezuela—			
Alluvial	18,000	} 80,000	(a)
Bullion	50,000		
China—			
Bullion	1,150,000	500,000	300,000
French Indo-China—			
Bullion	264,000	33,000	33,000
Iraq (years ended Mar. 31 of the year following)—			
Bullion, etc.	87,000	68,000	31,000
Coin	50,000	45,000	36,000
Japan—			
Bullion	1,000,000	200,000	—
Coin	530,000	—	—
Korea—			
Ore	18,000	18,000	21,000
Bullion	380,000	230,000	270,000
Netherlands East Indies—			
Bullion and scrap	122,000	73,000	67,000
Coin	20,000	60	2,000
Philippine Islands—			
Ore	20	150	600
Bullion	244,000	185,000	170,000
Siam—			
Bullion	320,000	200,000	180,000
Syria and Lebanon—			
Coin	10,000	—	—

(a) Information not available.

IMPORTS OF GOLD

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore, etc.	39,000	71,000	54,000
Bullion—			
Unrefined	10,874,000	8,007,000	7,389,000
Refined	13,173,000	25,900,000	29,001,000
Coin	1,643,500	5,780,000	1,574,000
Gold Coast—			
Bullion	10	—	—
Kenya and Uganda—			
Bullion	500	2,600	4,000
Coin	60	—	—
Nigeria—			
Bullion	150	100	1
Southern Rhodesia—			
Bullion	—	2,000	11,000
Coin	200	100	900
Union of South Africa—			
Bullion	40	1,500	6,000
Coin	18,000	19,000	4,000
Zanzibar—			
Bullion	500	50	100
Canada—			
Bullion, etc.	11,000	7,000	6,000
Coin	33,000	30,000	20,000
British Guiana—			
Bullion	40	50	40
British India—			
Bullion— <i>by sea</i>	130,000	107,000	72,000
<i>do. by land</i>	16,000	52,000	105,000
Coin	71,000	34,000	22,000
British Malaya—			
Bullion	44,000	132,000	101,000
Coin	600	7,000	4,000

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
Hong Kong (total imports)—			
Bullion	217,000	65,000	151,000
Coin	900	—	—
Australia (years ended June 30)—			
Ore, matte, etc.	700	—	50
Bullion, etc.	111,000	183,000	176,000
Coin	70	100	60
New Zealand—			
Bullion, etc.	200	200	200
FOREIGN COUNTRIES			
Austria—			
Bullion	64,000	100,000	71,000
Coin	25,000	108,000	13,000
Beaten, rolled or drawn ..	1,500	600	450
Belgium-Luxemburg E.U.—			
Bullion, etc.	240,000	400,000	410,000
Beaten, rolled or drawn ..	1,600	1,400	1,000
Bulgaria—			
Bullion, etc.	10	3	—
Czechoslovakia—			
Bullion	950,000	456,000	40,500
Coin	6,000	40	60
Denmark—			
Bullion, etc.	4,000	4,000	6,000
Finland—			
Bullion	130	150	900
Sheet and wire	200	240	450
France—			
Bullion and scrap	39,000,000	25,000,000	11,000,000
Coin	5,700,000	8,400,000	1,800,000
Beaten, rolled or drawn ..	11,000	8,000	5,000
Germany—			
Ore	100	3,000	50,000
Scrap	200,000	90,000	200,000
Bullion	3,000,000	3,500,000	2,600,000
Coin	500,000	600,000	75,000
Beaten or rolled	600	20	60
Greece—			
Bullion and coin	5,100	40,000	600

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Hungary—			
Bullion	4,000	4,000	2,600
Coin	24,000	45,000	1,300
Italy—			
Bullion and scrap	213,000	3,240,000	160,000
Coin	13,000	122,000	9,500
Beaten, rolled or drawn ..	3,000	16,000	1,500
Latvia—			
Bullion and coin	600	1,200	400
Lithuania—			
Bullion	400	400	300
Coin	1,000	2,000	900
Netherlands—			
Bullion	(b) 7,400,000	9,400,000	2,800,000
Coin	(b) 5,000,000	2,600,000	350,000
Norway—			
Bullion	40	159,000	33,000
Sheets and rolled	1,400	1,600	2,400
Poland—			
Bullion	40,000	80,000	207,000
Coin	750,000	410,000	70,000
Portugal—			
Bullion	180,000	450,000	195,000
Roumania—			
Bullion, etc.	4,500	800	17
Spain—			
Bullion	700	—	—
Sweden—			
Bullion	14,000	250,000	3,000
Coin	200	160,000	10
Switzerland—			
Bullion	7,700,000	5,900,000	2,800,000
Coin	1,700,000	1,400,000	760,000
Yugoslavia—			
Bullion	1,200	30	55,000
Coin	400	140	4,000
Beaten, rolled or drawn ..	150	40	800

(b) Excluding imports by post.

IMPORTS OF GOLD (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Bullion and coin	3,500	1,300	800
Egypt—			
Bullion	600	300	7
Coin	26,000	20	60
Morocco—			
Bullion	200	1,700	120,000
Cuba—			
Bullion	24	4	(a)
Mexico—			
Coin	20,000	50,000	60,000
United States—			
Ore and base bullion ..	740,000	(\$16,178,252)	1,040,000
Refined bullion	12,400,000	8,400,000	32,500,000
Coin	4,500,000	400,000	300,000
Argentina—			
Bullion	4,000	5,000	600
Brazil—			
Bullion	100	100	100
Chile—			
Bullion	—	—	156,000
Dutch Guiana—			
Bullion	300	400	700
Coin	10	—	—
Venezuela—			
Bullion	200	(a)	(a)
Coin	2,500	(a)	(a)
China—			
Bullion	1,000	1,700	60
Coin	1,600	100	10
Formosa—			
Bullion and coin	30	—	(a)
French Indo-China—			
Bullion	300	400	60
Drawn and rolled	1,300	1,000	250
Iran (Persia) (b)—			
Bullion	20	10	270,000
Coin	20	50	40
Iraq (years ended Mar. 31 of the year following)—			
Bullion and coin	400	2,600	6,200
Japan—			
Bullion	100	—	—

(a) Information not available.

(b) Years ended June 21.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Korea—			
Bullion	140,000	35,000	3,000
Netherlands East Indies—			
Bullion and scrap	177,000	1,500	2,300
Coin	3,000	600	3,200
Philippine Islands—			
Bullion	500	200	200
Coin	100	50	40
Siam—			
Bullion	10	600	—
Coin	—	—	250
Turkey—			
Bullion	40,000	(a)	(a)

(a) Information not available.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Union of South Africa ..	49	58	62
Canada (sales)	309	362	1,355
Ceylon (exports)	6,100	9,559	11,569
India	5	—	337
Australia	70	30	6
FOREIGN COUNTRIES			
Austria (crude)	10,431	14,537	17,858
Czechoslovakia	907	120	3,447
Germany (crude)	20,479	19,443	17,258
Italy	2,898	3,149	3,846
Norway	661	1,951	2,245
Madagascar	2,691	3,518	8,343
Morocco (French zone) ..	236	—	—
Mexico	2,013	2,643	3,827
Japan	487	855	(a)
Korea —			
Flake		1,906	2,394
Other	16,548	20,412	28,406

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

(a) Information not available.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Crucibles	1,940	2,448	2,404
Canada	810	881	1,728
Ceylon	6,100	9,559	11,569
Hong Kong (including re- exports)	447	180	67
Australia (including foundry- black)	2	17	18
FOREIGN COUNTRIES			
Austria	7,931	10,459	13,712
Belgium-Luxemburg E.U.—			
Crude and ground ..	122	119	153
Crucibles, etc.	386	335	269
Czechoslovakia	2,929	3,611	4,043
Denmark	80	109	228
France	978	640	696
Germany	4,613	3,734	3,751
Hungary	—	56	5
Italy	2,188	1,914	1,901
Norway	429	1,859	2,806
Poland	18	—	—
Sweden	31	23	37
U.S.S.R. (Russia)	50	120	—
Madagascar	2,112	6,688	9,206
Morocco	98	65	180
Mexico	2,013	2,643	3,827
United States (including manufactures)	705	816	1,111
Japan	5,333	4,210	4,586
Korea	16,320	23,930	29,435

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Natural	8,905	10,633	11,542
Artificial	246	244	204
Crucibles	9	7	3
Irish Free State	27	7	14
Mauritius—			
Crucibles	(£235)	(£354)	(£311)
Southern Rhodesia	3	5	7
Union of South Africa	107	122	140
Canada—			
Unground	(£468)	(£1,049)	(£598)
Ground, including manufac- tures	(£17,681)	(£15,300)	(£20,747)
Crucibles	(£7,494)	(£5,880)	(£7,278)
Newfoundland (years ended June 30)	—	(£18)	(£21)
British India (total imports)—			
Graphite	403	532	484
Crucibles	138	195	213
Hong Kong (total imports)	481	559	545
Australia (including foundry- black)	540	672	629
New Zealand—			
Graphite	(£767)	(£775)	(£1,182)
FOREIGN COUNTRIES			
Austria	208	231	217
Belgium-Luxemburg E.U.—			
Crude and ground	1,065	1,062	847
Crucibles, etc.	267	244	310
Bulgaria	66	58	85
Czechoslovakia	1,157	1,783	2,596
Denmark—			
Graphite	486	550	538
Crucibles	44	52	55

IMPORTS OF GRAPHITE (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Finland (total imports) ..	45	119	103
France	2,769	3,255	3,616
Germany	7,087	9,835	13,239
Hungary	756	803	924
Italy	984	1,313	2,369
Latvia	32	29	40
Norway—			
Crucibles, etc.	41	42	68
Poland	131	202	523
Portugal	11	15	14
Roumania—			
Graphite	524	736	822
Crucibles	20	36	49
Sweden	438	383	529
U.S.S.R. (Russia)	1,210	—	—
Yugoslavia	655	938	1,045
Algeria	48	16	17
Egypt	53	64	96
Tunis—			
Graphite	8	2	5
Crucibles	6	4	9
Mexico	86	56	87
United States	6,264	7,190	12,605
Argentina	406	273	293
Chile	14	26	66
Colombia	3	12	15
Peru	9	11	12
French Indo-China	9	12	10
Japan (total imports) ..	1,626	3,403	4,220
Netherlands East Indies ..	38	57	83
Turkey—			
Graphite	16	(a)	(a)
Crucibles, etc.	7	(a)	(a)

(a) Information not available.

GYPSUM

 PRODUCTION OF GYPSUM
 (Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	995,462	985,055	961,581
Union of South Africa	7,001	11,622	22,929
Canada	392,585	330,974	440,442
Cyprus (estimated)	12,000	14,000	14,000
Palestine	1,458	2,561	(a)
India	51,421	33,142	46,757
Australia	53,971	60,572	83,258
Total	1,514,000	1,438,000	1,572,000
FOREIGN COUNTRIES			
Austria (d)	35,000	(a)	(a)
Estonia	8,168	5,670	4,828
France	2,048,100	(a)	(a)
Germany (e)	392,200	477,000	(a)
Greece (b)	4,334	7,070	(a)
Italy (including alabaster)	521,453	525,395	451,729
Latvia (exports)	37,759	48,130	89,909
Luxemburg	9,254	12,643	(a)
Roumania (b)	39,386	56,192	(a)
Spain (g)	1,133,282	1,070,509	(a)
Sweden	113	48	(a)
Yugoslavia	—	927	(a)
Algeria	89,200	82,083	80,026
Egypt (estimated)	130,000	130,000	130,000
Tunis (estimated)	25,000	25,000	25,000
United States	1,264,530	1,192,136	1,371,580
Argentina	33,013	34,255	(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.

(d) Estimated by Bundesministerium für Handel und Verkehr.

(g) Including 343,028 cu. metres of gypsum also 80 cu. metres of alabaster converted as per (b) for 1932.

PRODUCTION OF GYPSUM (*Cont.*)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Chile	11,800	13,467	(a)
China	52,400	64,100	(a)
New Caledonia	11,719	11,380	13,400
Total* ..	5,850,000	(a)	(a)
WORLD'S TOTAL* ..	7,360,000	(a)	(a)

* Gypsum is also produced in Poland, U.S.S.R. (Russia), French Morocco and Peru.

(a) Information not available.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Calcined	8,375	10,803	15,631
Canada—			
Crude	332,423	256,522	316,945
Calcined	713	566	636
Cyprus—			
Crude	2,706	2,034	1,228
Calcined	8,116	10,644	7,843
Hong Kong (including re-exports)..	1,583	1,460	1,638
Australia—			
Crude	4,932	2,009	10,865
Calcined	3,002	5,140	17,700
FOREIGN COUNTRIES			
Austria—			
Crude and ground	10,399	13,217	10,775
Calcined	9,270	11,234	12,853
Belgium-Luxemburg E.U.—			
Crude	3,955	6,500	9,190
Ground and calcined	7,658	11,080	12,131
Alabaster, crude	—	18	—
Czechoslovakia—			
Crude, ground and calcined ..	7	8	11
Denmark—			
Crude and calcined	3	3	2
Estonia	896	1,843	3,275
France—			
Crude and calcined	189,172	214,292	208,728
Germany—			
Gypsum and phosphatic gypsum	88,594	68,447	64,469
Hungary—			
Calcined	6	3	4
Italy—			
Crude	15,072	20,674	24,612
Calcined	912	808	905
Alabaster, crude	511	511	415

EXPORTS OF GYPSUM (*Cont.*)

Exporting Country and Description	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>).			
Latvia—			
Crude	36,230	47,489	81,493
Ground and calcined	1,529	641	8,416
Alabaster	—	79	208
Netherlands	72	42	288
Poland—			
Crude	5,877	6,515	3,656
Ground and calcined	917	1,063	936
Portugal—			
Crude	21	15	27
Roumania	8,463	6,389	6,766
Sweden—			
Crude	15	—	—
Calcined	14	4	16
Switzerland—			
Ground and calcined	86	104	1,242
Yugoslavia—			
Crude	1,708	2,575	9,193
Ground and calcined	478	461	241
Algeria	8,059	4,181	1,961
Egypt	21	93	—
Morocco—			
Crude	374	} 378	4
Calcined	2		
Tunis (including re-exports)—			
Calcined	1,171	2,149	2,648
Mexico—			
Crude	(a)	30,684	32,017
Calcined	(a)	(a)	67
United States—			
Crude and ground	3,196	3,370	2,334
Calcined and manufactures	1,196	1,392	1,999
Argentina	1,742	3,719	3,866
China	1,612	1,575	1,872

(a) Information not available.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description,	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Crude, including alabaster ..	50,600	55,826	106,452
Calcined	3,707	2,781	9,985
Irish Free State—			
Calcined	8,361	11,956	17,470
Southern Rhodesia—			
Crude and calcined	721	268	977
South West Africa	7	4	5
Union of South Africa—			
Crude and calcined	2,044	1,444	4,530
Canada—			
Crude	49	16	16
Ground	153	122	154
Calcined	1,236	549	492
Newfoundland (years ended June 30)—			
Crude and calcined	(£560)	(£18)	(£317)
Hong Kong (total imports) ..	1,317	1,169	1,119
Palestine (total imports)—			
Crude and calcined	1,297	1,031	1,411
Australia—			
Crude and calcined	566	851	629
New Zealand—			
Crude	3,690	2,013	3,426
Calcined	4,824	5,818	7,800
FOREIGN COUNTRIES			
Austria—			
Crude and ground	996	808	656
Calcined	1,266	656	527
Belgium-Luxemburg E.U.—			
Crude	90,226	106,354	112,790
Ground and calcined	35,237	37,812	39,351
Alabaster, crude	7	27	19
Bulgaria—			
Crude	104	—	—
Calcined	114	56	99
Czechoslovakia—			
Crude and ground	7,678	7,543	10,257
Calcined	34,511	20,163	14,321

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Crude	12,463	18,581	27,544
Calcined	3,503	4,094	4,765
Estonia	11	26	12
Finland (total imports)—			
Crude	5,587	6,112	10,933
Calcined	5,216	4,841	8,616
France—			
Alabaster	36	55	45
Crude and calcined	4,836	5,277	5,625
Germany—			
Gypsum and phosphatic gypsum ..	9,676	15,563	17,660
Greece	159	119	65
Hungary—			
Crude	6,482	6,946	8,562
Ground	105	68	133
Calcined	11,851	9,771	12,116
Iceland	6	4	(a)
Italy—			
Crude	740	1,415	6,211
Calcined	493	372	285
Alabaster, crude	28	7	8
Latvia—			
Crude and ground	15	5	1
Lithuania—			
Ground and calcined	251	572	399
Netherlands	22,052	23,501	25,945
Norway—			
Crude	6,903	6,639	9,411
Calcined	2,647	2,109	2,156
Poland—			
Crude	49	37	6
Ground and calcined	1,867	1,529	1,112
Portugal—			
Crude	4,861	6,335	6,623
Calcined	372	327	236
Sweden—			
Crude	13,026	9,349	20,347
Calcined	5,472	3,636	5,461
Switzerland—			
Ground and calcined	2,640	2,003	1,859

(a) Information not available.

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude	—	—	2
Ground and calcined	200	149	80
Algeria—			
Alabaster	17	8	(a)
Calcined	1,903	2,541	5,845
Angola—			
Calcined	10	8	9
Egypt—			
Crude and ground	838	842	2,197
Calcined	6,798	8,864	7,654
Madagascar	9	6	286
Morocco	9,367	3,182	2,454
Mozambique—			
Crude	902	404	(a)
Calcined	206	5	(a)
Tunis—			
Alabaster	4	1	—
Calcined	995	834	691
Cuba (total imports)	385	123	(a)
United States—			
Crude	333,993	320,973	321,595
Ground	1,854	1,703	969
Calcined	1,048	1,051	477
Argentina	534	435	351
Chile	17	31	8
Colombia—			
Ground	191	91	149
Peru—			
Crude	4	12	10
Calcined	3	7	10
Uruguay—			
Ground	847	350	(a)
Venezuela—			
Crude	92	(a)	(a)
China	8,079	6,512	3,531
Formosa	231	446	(a)
French Indo-China—			
Crude	4,190	2,205	} 2,404
Calcined	2,389	201	
Alabaster	3	—	—
Japan (total imports)	7,949	7,259	11,706
Korea	(a)	282	2,953
Netherlands East Indies	2,703	2,573	2,948
Philippine Islands	3,131	3,500	2,824
Syria and Lebanon	2,305	1,479	1,265

(a) Information not available.

IRON AND STEEL

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

Producing Country.	Ore.			Estimated Iron Content		
	1932	1933	1934	1932	1933	1934
BRITISH EMPIRE						
United Kingdom (b)	7,328,190	7,461,720	10,586,846	2,198,500	2,238,516	3,176,054
Northern Rhodesia	711	—	—	464	—	—
Sierra Leone (exports)	—	24,550	210,645	—	16,000	120,100
Union of South Africa	31,196	67,496	229,494	11,140	24,609	141,391
Newfoundland ..	317,858	320,891	506,616	165,000	167,000	263,000
India	1,760,501	1,228,625	1,916,918	1,130,000	790,000	1,230,000
Unfederated Malay States	688,179	766,472	1,135,649	440,000	490,000	730,000
Australia	546,160	729,738	1,247,465	360,000	482,000	823,000
New Zealand ..	—	6,572	2,806	—	3,600	1,300
Total ..	10,700,000	10,600,000	15,800,000			
FOREIGN COUNTRIES						
Austria	301,951	262,814	459,462	105,419	92,554	160,687
Belgium	91,344	104,523	(a)	41,000	47,000	(a)
Czechoslovakia ..	592,704	422,000	543,819	192,786	136,965	176,524
France	27,163,427	29,728,996	31,695,690	9,000,000	10,000,000	11,000,000
Germany	1,318,600	2,550,513	3,625,882	435,736	815,316	1,289,753
Greece	45,295	83,875	(a)	20,600	38,063	(a)
Hungary	52,029	49,231	49,000	18,054	17,942	18,000

* For detailed figures see page 168.

(a) Information not available.

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

1932 9,533 long tons.

1933 8,256 " "

1934 9,709 " "

(c) Shipments from mines.

PRODUCTION OF IRON ORE (Cont.)

Producing Country	Ore.			Estimated Iron Content.		
	1932	1933	1934	1932	1933	1934
FOREIGN COUNTRIES						
—(Cont.)						
Italy	417,368	517,294	494,153	209,546	259,355	247,000
Luxemburg ..	3,161,879	3,309,312	3,771,328	983,050	1,019,480	1,155,197
Norway	368,002	466,379	558,452	241,044	304,476	362,562
Poland	75,901	270,161	243,458	20,000	84,000	77,000
Portugal	—	4,400	2,849	—	2,100	1,300
Roumania ..	7,924	13,613	82,270	3,600	6,058	40,000
Spain	1,732,667	1,786,811	1,940,000	790,000	830,000	870,000
Sweden	3,246,886	2,656,127	5,170,093	2,000,000	1,659,000	3,200,000
Switzerland						
(exports)	11,675	6,977	18,661	(a)	(a)	(a)
U.S.S.R. (Russia)	12,000,000	14,000,000	21,000,000	(a)	(a)	(a)
Yugoslavia ..	26,215	50,925	176,971	13,737	26,685	86,200
Algeria	459,560	749,426	1,305,488	230,000	375,000	691,909
Belgian Congo ..	—	69	(a)	—	(a)	(a)
Egypt	25	—	200	(a)	—	(a)
Morocco (Spanish)	168,479	507,692	(a)	93,000	279,000	(a)
Tunis	206,000	286,000	537,900	106,000	148,000	277,000
Cuba	185,248	275,197	(a)	85,200	126,600	(a)
Mexico	26,694	76,486	104,128	17,000	48,950	66,648
United States (b)	9,872,350	17,744,819	24,809,438	4,900,000	8,800,000	12,400,000
Brazil (estimated)	30,000	30,000	30,000	20,000	20,000	20,000
Chile	168,420	556,246	957,800	111,000	344,316	622,000
China	1,232,816	1,260,000	(a)	490,000	500,000	(a)
French Indo-China	—	405	1,512	—	222	692
Japan	223,141	315,605	(a)	(a)	(a)	(a)
Korea	149,022	254,188	173,228	82,000	148,000	117,000
“ Manchoukuo ” ..	1,025,163	1,158,060	(a)	510,000	580,000	(a)
Total	64,000,000	79,000,000	101,000,000			
World's Total ..	75,000,000	90,000,000	117,000,000			

(a) Information not available.

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

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country.	1932	1933	1934
Great Britain—			
West Coast hematite ..	551,697	632,894	813,199
Jurassic ironstones—			
Lower lias	1,630,134	1,933,546	2,472,514
Middle lias	2,148,700	1,970,585	3,060,832
Inferior oolite	2,787,011	2,723,598	3,949,278
Coal measure ironstones ..	149,194	94,691	142,963
Other iron ore (hematite, limonite, etc.)	61,454	106,406	148,060
Belgium—			
Oolitic limonite and hematite	85,222	100,970	(a)
Limonite	6,122	3,553	(a)
France (b)—			
By phosphorus content—			
To 0.075%	13,281	15,462	22,972
Over 0.075% to 1.7% ..	1,356,774	1,442,947	1,606,440
Over 1.7%	25,758,286	28,270,587	29,864,024
Germany—			
Limonite (under 12% Mn)	653,447	1,365,614	1,584,979
Limonite (12–30% Mn) ..	20,292	55,778	130,107
Hematite	91,144	162,414	383,531
Siderite	483,266	807,663	1,440,880
Argillaceous and carbona- ceous ironstone	17	—	} 86,385
Flux ironstone	57,879	89,986	
Other ores	12,555	69,058	
By phosphorus content—			
To 0.05%	505,691	834,313	(a)
Over 0.05 to 0.1%	109,017	53,520	(a)
Over 0.1 to 0.5%	232,446	549,056	(a)
Over 0.5 to 0.75%	174,255	283,073	(a)
Over 0.75 to 1.0%	150,628	529,480	(a)
Over 1.0%	146,563	301,071	(a)
Greece—			
Iron ore	45,295	83,875	(a)
Italy—			
Iron ore	405,814	499,972	476,930
Manganiferous iron ore ..	11,554	17,322	17,223

(a) Information not available.

(b) Sales.

DETAILS OF PRODUCTION OF IRON ORE (Cont.)

Producing Country.	1932	1933	1934
Luxemburg—			
Siliceous iron ore	2,060,293	2,053,140	2,323,509
Calcareous iron ore	1,062,007	1,218,408	1,372,891
Ferruginous limestones ..	39,579	37,764	74,928
<i>By phosphorus content—</i>			
<i>From 0.5 to under 0.6%</i>	739,255	836,940	1,057,994
<i>From 0.6 to 0.75%</i> ..	2,422,624	2,472,372	2,713,334
Poland—			
Limonite	7,483	15,648	31,229
Argillaceous iron ore ..	68,418	254,513	212,229
Portugal—			
Hematite	—	4,400	2,849
Roumania—			
Limonite, siderite and magnetite	7,924	13,613	82,270
Sweden—			
<i>By phosphorus content—</i>			
<i>Under 0.01%</i>	316,275	299,515	569,000
<i>0.01% to under 0.05%</i>	322,576	497,100	811,649
<i>0.05% to under 0.1%</i> ..	60,286	82,305	58,905
<i>0.1% to under 0.6%</i> ..	486,083	328,070	392,065
<i>0.6% to under 1.0%</i> ..	1,045,395	805,524	1,545,677
<i>1% and over</i>	1,016,271	643,613	1,792,797
Algeria—			
Non-phosphoric	298,880	749,428	1,305,488
Slightly phosphoric ..	160,680		
Egypt—			
Magnetite	25	—	200
United States—			
Ore containing less than 5% Mn—			
Hematite*	9,621,808	16,920,672	23,390,993
Magnetite*	162,892	396,720	909,910
Limonite	61,739	235,297	286,073
Siderite	477	499	640
Ore containing 5 to under 10% Mn	9,799	178,852	198,591
Ore containing 10 to under 35% Mn	15,635	12,779	23,231

* Some hematite is included with magnetite.

(a) Information not available.

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

Exporting Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	1,802	850	3,281
Irish Free State—			
Bog ore	239	762	201
Burnt pyrites	17,818	7,118	(a)
Sierra Leone	—	24,550	210,645
Canada (Bog ore)	643	1,584	2,956
Newfoundland	148,485	227,128	651,028
British India	974	603	1,183
British Malaya (c)	688,278	764,466	1,090,022
Australia	19,553	6,555	7,109
FOREIGN COUNTRIES			
Austria	9,273	37	60,284
Belgium-Luxemburg E.U. ..	354,037	490,948	736,435
Czechoslovakia	80,968	77,887	91,461
Finland	—	—	399
France (e)	9,901,969	10,812,074	12,441,723
Germany	19,880	43,404	79,528
Greece	43,010	43,994	89,819
Hungary (including burnt pyrites)	5,689	3,883	3,041
Italy	111	116	75
Netherlands	—	8,708	12,468
Norway	337,614	473,589	672,111
Poland	1,126	423	7,958
Roumania	4,830	12,362	5,764
Spain	1,289,041	1,388,869	1,750,363
Sweden	2,184,258	3,100,876	6,761,630
Switzerland	11,675	6,977	18,661
U.S.S.R. (Russia)	336,866	501,018	337,020
Yugoslavia	649	23,900	110,177
Algeria	482,179	900,867	1,396,319
Spanish Africa (Melilla) (c) ..	152,868	396,178	(a)
Tunis (c)	211,962	325,996	496,605
Cuba	35,039	155,972	(a)
Mexico	64	294	(d) 1,005
United States	83,449	155,271	608,922
Brazil	1,494	12,559	7,025
Chile	195,857	501,945	937,797
China	551,167	583,807	844,022
Korea	149,209	251,288	177,699
“ Manchoukuo ”	83	210	332
Philippine Islands	—	—	7,125

(a) Information not available. (c) Including re-exports. (d) Fe content.

(e) Exports from France proper to all countries, including exports to the Saar territory, were:—

1932	12,708,000 long tons.
1933	14,065,000 „ „
1934	16,531,000 „ „

IMPORTS OF IRON ORE

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	1,794,846	2,706,996	4,358,979
Irish Free State	15	1	8
Canada	60,328	183,663	872,626
British India (b)	—	55	13
British Malaya (b)	7	7	4
FOREIGN COUNTRIES			
Austria	679	463	1,736
Belgium-Luxemburg E.U. ..	9,332,658	9,680,856	10,098,407
Bulgaria	15	—	1
Czechoslovakia	179,762	179,543	268,128
Denmark	21	51	62
Finland (b)	637	893	330
France	329,638	549,677	926,195
Germany	3,397,095	4,499,438	8,134,077
Hungary (including burnt pyrites)	81,850	103,868	146,945
Italy	91,110	234,764	290,358
Netherlands	391,021	451,744	488,567
Norway	1,888	7,605	1,524
Poland	59,683	142,284	134,689
Roumania	74	292	58,533
Spain	3,250	6,689	12,158
Sweden	—	45	37
Switzerland (c)	37,758	34,784	39,750
Yugoslavia	29	23	32
Algeria	186	2,415	151
Tunis	2,399	984	99
United States	582,498	861,153	1,427,521
China	2,546	2,025	1,482
Japan (b)	1,458,994	1,499,562	2,098,245
Korea	29	15,153	37,012

(b) Total imports.

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

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

Port.	1932	1933	1934
ENGLAND AND WALES			
North-East—			
Grimsby, including Immingham ..	73,832	216,475	277,461
Hartlepool	228	—	—
Middlesbrough	536,899	772,525	1,461,443
Newcastle, including Shields ..	155,477	192,961	348,346
Stockton	—	832	427
Sunderland	6,540	9,627	39,093
North-West—			
Barrow-in-Furness	53,781	112,290	145,084
Liverpool	65,267	85,957	152,453
Manchester	15,089	28,592	109,936
Workington, including Harrington	99,943	143,090	263,476
South-West—			
Cardiff	114,087	196,696	158,799
Newport	462	—	6,305
Port Talbot	377,479	505,667	499,776
Swansea	1	—	73
SCOTLAND			
Ardrossan	22,853	159,967	154,428
Glasgow	83,049	71,670	285,601
Grangemouth	117,738	142,389	240,794

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	3,574,000	4,136,000	5,969,100
Union of South Africa	14,272	26,000	(a)
Canada	160,291	257,450	434,935
India	913,314	1,057,837	1,331,475
Australia (b)	190,132	336,246	487,259
New Zealand	—	3,286	1,337
Total	4,900,000	5,800,000	8,300,000
FOREIGN COUNTRIES			
Austria	92,974	86,560	131,457
Belgium	2,705,327	2,667,623	2,861,372
Czechoslovakia	442,997	491,099	581,016
Finland	13,455	11,814	(a)
France—			
Saar	1,328,180	1,566,586	1,796,831
Other districts	5,450,004	6,224,340	6,053,761
Germany	3,870,258	5,163,645	8,603,599
Hungary	65,234	91,602	138,000
Italy	487,192	557,966	571,571
Luxemburg	1,929,232	1,857,727	1,968,603
Netherlands	232,692	248,655	253,769
Norway	101,464	110,873	124,927
Poland	195,536	300,956	375,946
Roumania	8,614	1,981	60,435
Spain	295,870	333,501	342,000
Sweden	277,707	340,069	548,422
U.S.S.R. (Russia)	6,075,000	7,015,000	10,236,000
Yugoslavia	9,815	29,238	32,097
Mexico	20,059	26,100	(a)
United States	8,781,453	13,345,602	16,138,573
Brazil	32,825	50,000	56,000
China	145,941	164,704	(a)
Japan	1,020,304	1,433,866	1,735,407
Korea	161,068	161,348	172,730
“Manchoukuo”	362,366	426,676	458,382
Philippine Islands	165	98	(a)
Total	34,100,000	42,700,000	53,400,000
WORLD'S TOTAL	39,000,000	48,500,000	61,700,000

* For details see page 174.

(a) Information not available.

(b) Years ended June 30.

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

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Hematite	793,900	1,107,500	1,517,100
Basic	1,550,100	1,910,900	2,953,400
Foundry	1,016,500	930,400	1,277,900
Forge	133,500	101,200	103,300
Other kinds of pig-iron ..	32,600	37,100	22,400
Spiegeleisen	19,100	500	16,200
Ferro-manganese	25,600	44,900	72,100
Ferro-silicon	2,700	3,300	6,700
Ferro-silicon-manganese ..	—	200	—
Union of South Africa—			
Ingots	12,900	} 26,000	(a)
Castings	1,372		
Canada—			
Basic	105,058	189,428	310,631
Foundry	25,246	22,333	50,923
Malleable	13,826	15,556	43,441
Ferro-alloys	16,161	30,133	29,940
India—			
Basic	629,287	753,162	854,790
Foundry and forge	283,661	296,950	471,149
Ferro-manganese	366	7,725	5,536
FOREIGN COUNTRIES			
Austria—			
Basic	85,432	82,572	128,784
Foundry	7,542	3,988	2,599
Belgium—			
Basic	2,619,396	2,564,576	} 2,861,372
Foundry, hematite	15,423	28,286	
do. phosphoric	58,708	66,592	
Ferro-alloys	11,800	8,169	
Czechoslovakia—			
Open hearth	257,431	312,060	} 581,016
Bessemer	120,048	112,860	
Foundry	61,755	62,017	
Spiegeleisen	120	2,597	
Ferro-manganese	3,643	1,565	

(a) Information not available.

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Finland—			
Open hearth	1,904	} 5,291	(a)
Foundry	4,743		
Ferro-alloys	6,808		
France—			
Saar—			
Basic	1,239,206	1,419,209	1,635,623
Foundry and castings ..	88,974	130,719	145,713
Ferro-alloys, etc. ..	—	16,658	15,495
Other districts—			
Phosphoric (over 1% P)—			
Basic	4,296,218	4,877,169	4,630,379
Foundry	585,278	664,363	667,552
Other kinds	1,260	1,588	10,377
Semi-phosphoric (over 0.12% to 1% P)—			
Foundry	57,920	69,496	72,282
Open hearth, basic ..	27,283	26,615	27,025
Hematite (0.12% or less P)—			
Foundry	196,772	200,886	185,533
Open hearth	142,946	175,406	} 256,899
Bessemer	7,697	11,445	
Spiegeleisen	58,423	100,497	106,993
Ferro-manganese	33,660	58,875	63,015
Ferro-silicon	18,572	24,679	19,849
Other ferro-alloys ..	23,975	13,321	13,857
Germany—			
Hematite	241,133	316,190	655,979
Basic	2,521,549	3,189,244	5,554,705
Foundry	189,154	454,822	681,717
Forge, etc.	5,490	151	19,400
Special pig-irons and ferro-alloys	912,932	1,203,238	1,691,798
Italy—			
Coke pig-iron	409,376	460,041	461,649
Charcoal pig-iron	—	—	886
Electric	44,163	50,073	57,542
Spiegeleisen	11,137	14,477	12,941
Ferro-manganese	10,405	14,672	17,354
Ferro-silicon	9,717	13,244	14,824

(a) Information not available.

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—(cont.)			
Ferro-silico-manganese ..	520	3,606	1,934
Ferro-chrome	684	1,081	2,307
Ferro-tungsten	27	208	108
Other ferro-alloys	1,163	564	2,026
Luxemburg—			
Basic	1,923,914	1,853,018	1,952,279
Foundry	5,318	4,709	16,324
Norway—			
Pig-iron	18,809	28,788	29,299
Ferro-silicon	18,409	21,743	29,992
Other ferro-alloys	64,246	60,342	65,636
Poland—			
Foundry	27,527	32,882	62,027
Acid.. .. .	160,234	248,872	287,957
Castings	32	61	48
Ferro-alloys	7,743	19,141	375,946
Spain—			
Pig-iron	291,799	324,496	} 342,000
Ferro-manganese	3,180	6,667	
Ferro-silicon	891	2,338	
Sweden—			
Open hearth, acid	85,303	102,703	165,711
do. basic.. .. .	41,318	42,197	80,092
Bessemer, acid	12,619	11,724	24,099
do. basic	67,456	77,634	149,525
Foundry	41,512	72,539	73,078
Forge	8,188	6,892	14,710
Castings	4,198	4,282	9,278
Ferro-manganese	1,512	1,223	1,289
Ferro-silicon	6,150	8,142	13,954
Ferro-silico-manganese ..	1,247	2,426	4,882
Ferro-chrome	7,850	9,996	11,003
Ferro-tungsten	216	238	415
Ferro-molybdenum	40	73	91
Other ferro-alloys	98	—	295
U.S.S.R. (Russia)—			
Basic	4,061,700	} 7,015,000	10,362,000
Foundry	1,818,700		
Special	179,300		
Ferro-alloys (electric) ..	15,300		

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Basic	5,074,427	7,952,602	10,101,744
Bessemer and low phos- phorus	2,220,468	3,473,855	3,431,289
Foundry	811,484	1,055,622	1,265,174
Forge	1,558	4,975	20,810
Malleable	419,723	495,040	827,151
Other pig-iron	22,004	18,625	30,721
Ferro-manganese and spiegeleisen	93,644	162,764	185,833
Ferro-silicon	124,708	154,736	239,965
Other ferro-alloys	13,437	27,383	35,886
Japan—			
Coke pig-iron	977,757	1,381,336	} 1,735,407
Refined pig-iron	15,587	19,609	
Charcoal pig-iron	1,233	—	
Other pig-iron	220	456	
Ferro-manganese	17,701	22,662	
Spiegeleisen	—	421	
Ferro-silicon	4,806	7,502	
Ferro-chrome	1,108	1,457	
Ferro-tungsten	58	26	
Ferro-molybdenum	84	281	
Other ferro-alloys	1,750	116	

PRODUCTION OF STEEL INGOTS AND CASTINGS*
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	5,261,400	7,024,000	8,849,700
Union of South Africa (b) ..	42,542	9,000	(a)
Canada	339,346	409,979	757,782
India	569,810	694,073	797,569
Australia (c)	221,488	392,666	(a)
Total ..	6,400,000	8,500,000	11,000,000
FOREIGN COUNTRIES			
Austria	201,284	222,230	304,324
Belgium	2,745,719	2,688,251	2,901,173
Czechoslovakia	660,846	722,898	938,000
France—			
Saar	1,440,316	1,649,798	1,919,614
Other districts	5,550,957	6,427,754	6,076,662
Germany	5,535,254	7,465,916	11,698,319
Hungary	177,000	224,067	310,000
Italy	1,374,129	1,743,163	1,803,406
Latvia	336	1,336	2,076
Luxemburg	1,924,688	1,815,694	1,901,868
Poland	542,056	820,006	831,177
Roumania	101,000	142,479	172,567
Spain	523,995	498,651	401,000
Sweden	519,935	619,913	848,176
U.S.S.R. (Russia)	5,828,400	6,727,000	9,500,000
Mexico	57,215	75,000	(a)
United States	13,681,162	23,232,347	(d)26,055,289
Brazil	47,492	52,000	61,000
China (estimated)	30,000	30,000	30,000
Japan	2,360,404	3,145,660	3,682,861
Korea	(a)	(a)	58,755
Total ..	43,300,000	58,300,000	69,600,000
WORLD'S TOTAL ..	49,700,000	66,800,000	80,000,000

* For details see page 179.

(a) Information not available.

(b) Including rails, fishplates, etc.

(c) Years ended June 30.

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

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS IN
CERTAIN COUNTRIES

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ingots—			
Open hearth, acid	1,096,700	1,523,700	1,708,400
basic	3,905,200	5,132,200	6,667,100
Converter, acid	111,600	189,400	222,900
Electric	32,200	51,400	65,600
Castings, electric	23,000	23,500	30,800
other	92,700	103,800	154,900
Canada—			
Ingots, open hearth	308,700	378,666	713,227
electric	19,670	15,393	23,891
Castings—			
Open hearth, basic	2,616	5,017	6,457
Bessemer	846	288	507
Electric	7,514	10,615	13,700
India—			
Ingots—			
Open hearth, basic	185,290	218,007	277,425
Duplex steel (b)	380,471	472,308	516,931
Castings	4,049	3,758	3,213
FOREIGN COUNTRIES			
Austria—			
Open hearth	162,331	174,319	242,453
Electric	38,953	47,911	61,871
Belgium—			
Ingots, open hearth	290,420	273,206	} 2,854,337
Bessemer, basic	2,408,747	2,367,558	
electric	8,966	8,090	
Castings, open hearth	10,826	10,107	} 46,836
converter	26,760	29,290	
Czechoslovakia—			
Ingots—			
Open hearth, acid	8,745	9,363	} 938,000
basic	515,994	596,020	
Bessemer, acid	125	100	
basic	102,132	75,316	} 938,000
Electric	22,015	30,098	
Crucible	17	52	

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

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—(cont.)			
Castings—			
Open hearth, acid ..	3,222	2,601	} Included with ingots.
basic ..	4,568	4,746	
Bessemer, acid	142	128	
Electric	3,876	4,451	
Crucible	10	23	
France—			
Saar—			
Open hearth, basic ..	361,935	424,575	480,874
Bessemer	1,061,164	1,200,769	1,407,718
Electric	8,413	10,305	14,915
Castings, acid	1,354	1,903	2,112
basic	5,263	7,494	4,189
electric	2,187	4,752	9,806
Other districts—			
Ingots—			
Open hearth, acid ..	9,558	28,950	21,661
basic	1,515,579	1,733,621	1,731,064
Bessemer, acid	—	2	—
basic	3,724,697	4,358,299	4,009,787
Crucible	4,966	5,691	8,067
Electric	134,707	159,496	168,507
Castings—			
Open hearth, acid ..	782	604	809
basic	87,432	71,989	66,237
Bessemer, acid	54,529	47,308	42,017
basic	1,029	1,640	1,459
Crucible	500	336	505
Electric	17,178	19,818	26,549
Germany—			
Ingots—			
Open hearth, acid ..	44,796	56,626	115,656
basic	3,566,493	4,522,585	6,778,216
Bessemer, basic	1,787,937	2,584,148	4,343,697
Crucible	4,472	} 117,848	} 170,818
Electric	70,149		
Castings			
Basic	} 61,407	} 184,709	171,473
Acid			86,706
Crucible and electric ..			31,753
Hungary—			
Open hearth	161,510	205,854	} 310,000
Electric	15,490	18,213	
Italy—			
Ingots, open hearth ..	1,095,378	1,348,563	} 1,750,208
Bessemer	—	8,228	
electric	236,708	342,729	
Castings, open hearth ..	11,465	15,852	} 53,198
Bessemer	254	237	
electric	30,324	27,544	

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Luxemburg—			
Ingots, open hearth ..	2,119	1,215	6,234
Bessemer, basic ..	1,919,377	1,808,071	1,888,698
electric	3,192	6,408	6,936
Poland—			
Open hearth	520,888	789,455	804,691
Special steel (not electric)	—	7,025	19,227
Electric	13,374	17,175	7,259
Castings	7,794	6,351	
Spain—			
Open hearth	414,073	368,983	} 401,000
Bessemer	106,329	119,812	
Electric	3,593	9,886	
Sweden—			
Open hearth	344,197	434,003	582,150
Bessemer	56,265	57,312	103,370
Crucible	219	397	657
Electric	119,254	128,201	161,999
U.S.S.R. (Russia)—			
Open hearth	4,951,500	} 6,727,000	} 9,500,000
Bessemer	771,100		
Electric	99,300		
Castings	6,500		
United States—			
Ingots—			
Open hearth, acid ..	104,794	195,495	201,073
basic (c) ..	11,689,495	19,972,805	23,235,688
Bessemer	1,528,544	2,425,779	2,162,357
Crucible	241	399	531
Electric	141,328	299,808	349,095
Castings—			
Open hearth, acid ..	59,854	129,031	(b) 20,729
basic (c) ..	53,187	84,341	(b) 73,615
Bessemer	3,532	3,012	(b) —
Crucible	404	282	(b) —
Electric	99,783	121,395	(b) 12,201
Japan—			
Ingots—			
Open hearth	2,270,073	2,979,207	} 3,682,861
Bessemer	925	—	
Crucible	2,259	2,156	
Electric	41,201	97,266	
Castings—			
Crucible	—	1	
Open hearth	18,508	2 8,87 0	
Electric	27,438	33,1 60	

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

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

1932	289,263	long tons.
1933	386,154	" "
1934	591,373	" "

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

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge and foundry	73,862	54,030	74,724
Acid	45,604	52,235	47,910
Basic	1,544	1,722	842
Spiegeleisen and ferro-manganese	6,027	3,283	8,964
Ferro-silicon	60	26	94
Other ferro-alloys	610	692	473
Iron and steel ingots	1,313	2,165	1,191
Blooms, billets and slabs—			
Iron	34	277	141
Steel	7,695	11,888	11,440
Special steel	2,403	3,107	2,599
Old and scrap	107,069	237,125	222,966
Irish Free State—			
Iron and steel ingots	6	—	—
Old and scrap	15,353	35,138	(a)
Canada—			
Pig-iron	2,029	11,903	9,221
Ferro-silicon	1,248	7,066	7,403
Other ferro-alloys	14,400	42,034	24,234
Billets, ingots and blooms	—	411	25,065
Scrap	17,918	128,194	82,605
British India—			
Pig-iron	248,396	372,015	398,054
Old and scrap	76,650	101,092	54,586
British Malaya (including re-exports)—			
Pig-iron	1	20	13
Scrap	7,171	15,100	11,369
Hong-Kong (including re-exports)—			
Pig-iron	616	1	703
Iron and steel scrap	20,328	17,745	17,610
Australia—			
Pig-iron	1,090	1,224	943
Ingots, blooms, slabs, etc.	256	—	1,628
Old and scrap	33,085	39,802	45,705

(a) Information not available.

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

Exporting Country and Description	1932	1933	1934
FOREIGN COUNTRIES.			
Austria—			
Pig-iron	4,227	4,119	1,860
Ferro-silicon	900	562	1,298
Other ferro-alloys	33	7	24
Iron ingots, blooms and bars	1,840	479	1,151
Steel ingots, blooms and bars	2,166	2,703	3,942
Old and scrap	8,405	14,890	15,299
Belgium-Luxemburg E.U.—			
Pig-iron	35,697	37,024	42,118
Crude iron ingots	36,143	38,991	27,252
Steel ingots	5,662	6,894	6,144
Steel blooms and billets	504,018	300,289	381,164
Special steel	265	332	496
Old and scrap	119,574	269,824	331,941
Bulgaria—			
Old and scrap	1,079	933	5,931
Czechoslovakia—			
Pig-iron—			
Foundry	2,338	1,707	3,519
Spiegeleisen	247	720	463
Other ferro-alloys	3,502	3,635	1,655
Steel ingots	—	1	—
Billets of cast iron	2,125	1,346	2,077
Billets, blooms and bars of puddled iron	837	587	1,197
Old and scrap	70	10	854
Denmark—			
Old and scrap	70,204	79,873	92,898
Estonia—			
Pig-iron	72	—	—
Old and scrap	2,482	6,477	8,446
Finland—			
Pig-iron and ferro-alloys	6,208	6,859	5,229
Old and scrap	1	7	132
France—			
Pig-iron—			
Forged or refined	192,584	165,438	143,394
Spiegeleisen	1,925	4,257	9,897
Ferro-manganese	603	1,616	8,432
Ferro-silicon	3,814	3,512	3,665
Ferro-chrome	671	1,226	976
Other ferro-alloys	493	1,011	1,333
Ingots	15,960	7,381	2,680
Blooms and billets, forged or rolled	233,406	286,356	344,240

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Tool steel	747	1,012	1,100
Machine iron or steel	116,869	134,321	151,457
Other special steel.. .. .	453	586	2,698
Old, filings and scrap	291,886	314,576	528,877
Germany—			
Pig-iron	68,837	107,272	156,474
Ferro-manganese	18,945	18,750	19,293
Ferro-silicon	503	435	283
Other ferro-alloys	9,922	10,639	10,349
Rough blooms, bars, ingots, etc.	73,646	121,218	182,299
Old and scrap	288,907	183,731	93,060
Greece—			
Old and scrap	2,717	8,767	12,006
Hungary—			
Pig-iron	1,467	868	453
Ingots and blooms	8,547	9,703	22,385
Tool and special steel	—	2	—
Old and scrap	867	788	989
Italy—			
Pig-iron	39	51	19
Ferro-manganese	403	490	544
Ferro-chrome	15	—	40
Ferro-silicon	2,658	1,997	1,742
Other ferro-alloys	2,587	281	72
Steel ingots	9	1	1
Steel blooms and loops	—	180	1
Old and scrap	1	7	1
Lithuania—			
Pig-iron	—	29	31
Iron and steel ingots, etc.	4	44	15
Old and scrap	979	3,935	5,300
Netherlands—			
Pig-iron and ferro-alloys	208,885	235,035	219,946
Ingots, blooms and billets	1,191	3,585	18,937
Old iron and scrap	164,300	227,907	256,307
Norway—			
Pig-iron—electric	6,253	14,552	21,476
Ferro-chrome	4,182	7,874	11,700
Ferro-manganese	34,933	37,068	36,684
Ferro-silicon	11,104	22,561	21,173
Ferro-phosphorus	34	14	—
Other ferro-alloys	7,513	19,436	20,184
Steel	677	1,749	2,663
Old and scrap	33,046	56,815	42,394

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Pig-iron	2	—	15
Ferro-manganese	193	2,411	11,655
Other ferro-alloys	—	84	342
Blooms and billets	228	9,874	371
Old and scrap	559	262	1,562
Roumania—			
Pig-iron	792	620	2,165
Tool steel	6	—	—
Old and scrap	407	531	159
Spain—			
Pig-iron	1,176	364	98
Ferro-silicon	11	25	—
Iron and steel scrap	2	129	19
Sweden—			
Pig-iron	31,047	64,037	69,213
Sponge iron	928	1,460	2,867
Ferro-manganese and spiegeleisen	731	939	198
Ferro-silicon	7,791	10,065	6,533
Ferro-silico-manganese	1,012	1,957	3,912
Ferro-chrome	5,804	9,400	8,918
Ferro-tungsten	91	193	167
Other ferro-alloys	23	50	47
Steel ingots	1,794	2,887	5,773
Steel blooms	553	853	431
Tool steel	384	387	636
Other special steel	1,406	1,684	2,477
Old, filings and scrap	3,522	8,021	8,267
Switzerland—			
Ferro-chrome and ferro-silicon	1,411	1,054	760
Old, filings and scrap	61,924	70,261	77,632
U.S.S.R. (Russia)—			
Pig-iron	86	5	113,578
Old and scrap	(a)	(a)	3,253
Yugoslavia—			
Ferro-silicon	601	1,664	3,321
Ferro-manganese	1,186	—	—
Crude iron in ingots	203	84	1
Special steel	271	208	222
Scrap and filings	335	17	3

(a) Information not available.

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Old, filings and scrap	9,334	13,196	8,989
Canary Islands—			
Old and scrap	5	200	(a)
Egypt (including re-exports)—			
Scrap	14,107	24,361	22,543
Morocco—			
Old and scrap	3,254	4,107	5,416
Spanish Africa (including re-exports)—			
Ceuta—			
Old and scrap	96	70	(a)
Melilla—			
Old and scrap	357	227	(a)
Cuba—			
Old and scrap	106	49	(a)
United States—			
Pig-iron	2,324	2,750	4,096
Ferro-manganese and spiegeleisen	33	47	222
Ferro-tungsten, tungsten metal			
and wire	63	381	314
Steel ingots, slabs, blooms, billets			
and sheet bars	1,627	3,159	19,586
Old and scrap (including tin-plate			
scrap)	227,522	773,406	1,835,564
Argentina—			
Ingots	(a)	120	49
Old and scrap	6	—	—
Chile—			
Ingots	—	2	133
China—			
Pig-iron	187,568	—	1
Old and scrap	(£9,620)	6,951	6,443
French Indo-China—			
Pig-iron and spiegeleisen	39	23	12
Ingots, bars and billets	133	221	74
Old and scrap	1,234	522	1,780
Iran (Persia) (b)—			
Ingots, old and scrap	65	738	747
Japan—			
Ingots	562	698	4,570
Old and scrap	12,289	8,207	17,238
Korea—			
Pig-iron	204,294	158,134	161,704

(a) Information not available.

(b) Years ended June 21.

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
" Manchoukuo "—			
Pig-iron	363,104	483,625	433,428
Netherlands East Indies—			
Old and scrap	15,673	30,404	33,883
Philippine Islands—			
Old and scrap	425	2,362	2,134
Syria and Lebanon—			
Old and scrap	—	—	1,474
Turkey—			
Old and scrap	423	(a)	(a)

(a) Information not available.

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

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge	142	93	—
Foundry	29,849	37,671	30,712
Acid	17,498	37	—
Basic	87,428	55,276	79,440
Spiegeleisen and ferro-manganese	2,871	6,186	3,539
Ferro-silicon	9,798	14,318	33,905
Ferro-chrome	5,031	5,975	7,849
Other ferro-alloys		1,717	8,946
Iron and steel ingots	4,806	2,472	5,646
Blooms, billets, slabs—			
Iron	828	657	448
Steel	360,378	229,526	330,755
Special steel	1,050	1,419	(a)
Old and scrap	115,335	104,323	347,464
Irish Free State—			
Pig-iron	6,073	2,581	3,664
Crude iron and steel	160	100	139
Old and scrap	2,363	106	166
Anglo-Egyptian Sudan—			
Pig-iron	(£149)	(£336)	(£253)
Bars and billets	674	742	903
Mauritius—			
Pig-iron	7	68	24
Crude steel	5	3	2
Northern Rhodesia—			
Pig, ingots, etc.	30	51	(a)
Southern Rhodesia—			
Pig, ingots, etc.	95	83	179
South West Africa—			
Pig-iron	10	—	2
Union of South Africa—			
Pig-iron and steel ingots	2,419	19,281	16,233
Ferro-silicon	152	315	903
Ferro-manganese	625	580	390
Other ferro-alloys	68	112	185

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Canada—			
Pig-iron	4,753	2,459	6,420
Ferro-alloys	285	467	1,226
Ingots, blooms and billets	2,964	3,980	14,946
Scrap	54,212	41,396	52,632
Newfoundland (years ended June 30)—			
Pig-iron	(£379)	182	215
British India (total imports)—			
Pig-iron	497	1,848	1,749
Ferro-alloys	495	1,432	1,504
Old and scrap	1,132	4,313	1,641
British Malaya (total imports)—			
Pig-iron	1,130	1,699	3,902
Scrap	143	265	1,121
Ceylon—			
Pig-iron	519	184	663
Cyprus—			
Pig-iron	12	29	53
Hong Kong (total imports)—			
Pig-iron	7,474	2,495	1,631
Iron and steel scrap	20,658	13,325	11,270
Palestine (total imports)—			
Pig-iron	323	1,359	2,214 †
Australia—			
Pig-iron	1,989	273	1,005
Ferro-alloys	4,108	5,027	11,489
Ingots and billets of high grade carbon alloy steels	(b) 7	151	472
Ingots, blooms, billets, etc.	1,562	2,286	2,157
Scrap	—	105	—
New Zealand—			
Pig-iron	2,249	2,567	3,762
FOREIGN COUNTRIES			
Austria—			
Pig-iron	12,433	11,522	14,279
Ferro-silicon	223	97	255
Other ferro-alloys	2,098	2,944	4,710
Steel ingots, blooms and bars	271	260	282
Old and scrap	29,144	25,568	35,694

(b) Year ended June 30

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Pig-iron	206,277	212,497	211,741
Crude iron ingots	66	99	61
Steel ingots	62	189	550
Steel blooms and billets	19,177	18,049	20,682
Special steel	1,064	1,753	1,372
Old and scrap	130,757	94,707	140,065
Bulgaria—			
Pig-iron	4,055	4,388	4,585
Old and scrap	87	66	160
Czechoslovakia—			
Pig-iron—			
Foundry	6,479	5,363	7,019
For refining or puddling	5,890	4,576	4,208
Spiegeleisen	300	417	300
Other ferro-alloys	2,895	2,746	3,961
Steel ingots	5	15	10
Billets of cast iron	198	134	349
Billets, blooms, bars of puddled iron	303	89	33
Old and scrap	20,743	16,704	51,894
Denmark—			
Pig-iron	23,001	34,247	49,623
Ingots	27	99	—
Ferro-alloys	213	436	508
Old and scrap	438	564	254
Estonia—			
Pig-iron	1,645	1,441	2,455
Crude iron and steel in ingots and bars	127	78	38
Ferro-alloys	42	13	8
Old and scrap	204	—	220
Finland (total imports)—			
Pig-iron	12,064	17,496	51,253
Ferro-manganese and spiegeleisen	331	314	240
Other ferro-alloys	273	478	317
Old, filings and scrap	27,039	3,606	8,053
France—			
Pig-iron—ordinary	7,417	16,638	4,201
hematite	50,243	71,776	58,645
Spiegeleisen	3,207	1,951	941
Ferro-manganese	3	30	28
Ferro-silicon	311	444	821

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Ferro-chrome	1,097	655	148
Other ferro-alloys	111	202	247
Ingots	1,907	2,440	75
Blooms and billets, rolled or forged	18,957	18,559	8,303
Tool steel	606	637	548
Machine iron or steel	5,076	8,179	9,658
Other special steel	2,122	3,186	1,863
Old, filings and scrap	94,410	115,595	67,360
Germany—			
Pig-iron	61,639	73,552	89,405
Ferro-manganese	2,497	1,790	1,450
Ferro-silicon	8,646	8,174	14,413
Other ferro-alloys	2,346	4,270	5,933
Rough blooms, ingots, bars, etc. ..	74,452	97,626	109,637
Old and scrap	97,569	342,370	492,961
Greece—			
Pig-iron	1,840	2,865	5,566
Hungary—			
Pig-iron	2,206	891	} 3,255
Ferro-alloys	1,203	2,609	
Ingots and blooms	369	205	
Tool and special steel	295	408	
Old and scrap	24,729	29,242	
Iceland—			
Pig-iron	24	55	(a)
Italy—			
Pig-iron	47,119	50,591	59,440
Spiegeleisen	19	10	511
Ferro-chrome	240	498	468
Ferro-manganese	217	114	269
Other ferro-alloys	308	236	370
Steel ingots	7,389	10,812	8,247
Steel blooms and loops	15,534	22,183	28,012
Old and scrap	466,691	619,863	720,152
Latvia—			
Pig-iron	1,950	5,624	9,940
Ingots	4,932	2,821	2,014
Iron blooms and loops	—	—	10,876
Steel blooms and loops	18	27	31
Old, filings and scrap	892	1,265	9,638

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Pig-iron	1,907	1,331	1,608
Netherlands—			
Pig-iron and ferro-alloys	10,335	9,069	10,352
Ingots, blooms, billets, etc. ..	671	1,127	1,153
Old and scrap	9,844	8,638	14,530
Norway—			
Pig-iron	9,745	10,856	11,802
Ferro-silicon	4	—	1
Ferro-tungsten and ferro-vanadium	7	31	60
Steel ingots	853	1,244	733
Alloyed steel	342	273	371
Old and scrap	13,089	6,213	5,562
Poland—			
Pig-iron—Foundry	1,397	1,205	} 1,867
Refined	606	629	
Other	231	256	
Ferro-manganese	64	531	275
Ferro-silicon	51	58	130
Ferro-chrome	129	297	300
Other ferro-alloys	7	114	518
Blooms and billets	12,614	15,457	22,344
Old and scrap	121,037	308,044	303,244
Portugal—			
Iron and steel ingots	8,624	8,650	10,041
Old and scrap	312	413	263
Roumania—			
Pig-iron	3,222	3,191	8,922
Ferro-alloys	714	1,177	1,512
Ingots, blooms and billets	32,618	62,171	91,010
Tool steel	131	141	386
Old and scrap	2,099	3,102	27,560
Spain—			
Pig-iron	989	1,087	939
Ferro-manganese	3	246	66
Ferro-silicon	8	57	21
Other ferro-alloys	299	239	223
Ingots and blooms	5	25	33
Tool steel	808	912	746
Special alloy-steel	218	281	354
Old and scrap	125,184	68,083	104,869

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Pig-iron	38,119	45,598	79,383
Spiegeleisen and ferro-manganese	3,282	2,277	6,047
Ferro-chrome	151	564	1,629
Ferro-silicon and ferro-silico- manganese	47	269	2,206
Ferro-tungsten	87	102	—
Other ferro-alloys	132	100	132
Steel ingots	1	3	1
Tool steel	42	22	49
Old, filings and scrap	54,258	59,451	95,095
Switzerland—			
Pig-iron, steel billets, blooms, etc.	106,485	149,921	153,484
Ferro-chrome and ferro-silicon ..	1,195	1,555	1,655
Old, filings and scrap	8,776	7,192	9,468
U.S.S.R. (Russia)—			
Ingots	2,087	7,646	1,812
Ferro-manganese	—	1,930	825
Ferro-chrome	3,890	9,469	5,190
Ferro-molybdenum	582	612	230
Ferro-silicon	6,016	13,703	2,435
Ferro-tungsten	2,109	2,389	1,682
Ferro-vanadium	215	143	128
Other ferro-alloys	—	2,515	54
Old and scrap	2,062	—	—
Yugoslavia—			
Ferro-manganese	105	763	831
Ferro-silicon	1	27	103
Pig-iron and other ferro-alloys ..	3,867	4,787	3,367
Iron ingots, blooms and billets ..	160	1,698	5,408
Crude steel	1,697	601	224
Special steel	829	248	424
Old, filings and scrap	17,879	21,274	16,281
Algeria—			
Pig-iron	1,631	1,778	1,509
Spiegeleisen and ferro-alloys ..	3	29	43
Ingots, blooms and billets	296	75	38
Tool and special steel	93	111	198
Old, filings and scrap	240	331	123

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Ingots	92	93	(a)
Egypt—			
Pig-iron and spiegeleisen ..	2,273	2,185	3,103
Ferro-alloys	2	4	2
Steel ingots	8	—	104
Special steel	362	202	370
Scrap (total imports)	174	643	1,138
French Equatorial Africa—			
Steel ingots and billets	107	27	(a)
Tool steel	56	62	(a)
French West Africa—			
Steel ingots and billets	420	379	(a)
Tool steel	2	23	(a)
Madagascar—			
Pig-iron	31	—	29
Blooms and billets	3,097	3,946	3,566
Tool steel	25	21	36
Morocco—			
Pig-iron	—	350	300
Ferro-alloys	—	15	1
Ingots	—	302	9
Tool steel	77	185	97
Scrap	754	96	188
Tunis—			
Pig-iron	41	71	126
Iron ingots and rough bars ..	6	—	—
Steel bars, ingots and billets ..	17,854	21,429	13,956
Tool steel	32	55	20
Old and scrap	1,040	1,661	602
Cuba (total imports)—			
Iron ingots	65	44	(a)
United States—			
Pig-iron	130,630	158,596	114,488
Spiegeleisen	8,364	26,277	21,234
Ferro-manganese and other man- ganese alloys (<i>Mn content</i>) ..	14,586	32,442	18,781
Ferro-silicon	864	5,290	6,537
Ferro-phosphorus	711	55	—
Granular iron	185	619	898

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Iron bars, slabs, blooms, etc.	505	499	805
Steel ingots, blooms, etc.	2,396	1,039	2,142
Scrap	9,775	57,074	44,421
Mexico—			
Pig-iron	18	399	249
Ingots	371	(a)	241
Ferro-manganese	49	362	557
Other ferro-alloys	245	225	338
Scrap	(a)	(a)	26,984
Argentina—			
Ingots	13,172	15,645	20,917
Old and scrap	—	—	49
Brazil—			
Pig-iron	666	1,182	713
Filings	22	33	23
Chile—			
Ingots	880	1,068	281
Ferro-alloys	19	69	308
Old and scrap	—	10	78
Colombia—			
Ingots and filings	238	317	468
Peru—			
Pig-iron	309	181	300
China—			
Pig-iron	26,256	42,212	43,084
Ferro-manganese	44	16	19
Ingots, blooms, billets, etc.	75	72	276
Tool and spring steel	4,958	8,111	8,580
Old and scrap	16,784	12,523	12,798
Formosa—			
Ingots, blooms and billets	3,385	4,846	(a)
French Indo-China—			
Pig-iron and ferro-alloys	745	599	998
Ingots, bars and billets	9,787	10,237	12,925
Machine iron or steel	1,703	2,795	1,798
Tool steel	14	23	100
Old, filings and scrap	236	137	20

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (b)—			
Ingots, old and scrap	186	246	224
Japan (total imports)—			
Pig-iron	437,405	630,730	604,694
Ferro-manganese	197	10	2
Other ferro-alloys	375	526	130
Ingots, blooms, and billets ..	13,024	39,121	27,309
Special steel	3,342	6,942	6,966
Old and scrap	550,251	996,963	1,390,672
Korea—			
Pig-iron	7,224	7,169	9,477
Old and scrap	1,125	3,905	27,829
“Manchoukuo”—			
Pig-iron	127	901	610
Tool steel	362	1,326	3,025
Netherlands East Indies—			
Iron ingots	1,084	1,208	1,717
Old and scrap	72	45	771
Philippine Islands—			
Pig-iron	675	1,234	796
Siam—			
Pig-iron	458	411	1,105
Syria and Lebanon—			
Pig-iron	58	104	39
Steel ingots, blooms and bars ..	27	119	149
Old and scrap	—	—	62
Turkey—			
Iron ingots and blocks	3,281	(a)	(a)
Steel ingots and blocks	389	(a)	(a)

(a) Information not available.

(b) Years ended June 21

LEAD

PRODUCTION OF LEAD ORE

(In terms of metal)

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	32,913	39,735	53,816
Nigeria	440	636	440
Northern Rhodesia (smelter)	—	73	184
South West Africa (b)	5,000	—	—
Union of South Africa	68	86	71
Canada (c)	114,262	118,962	154,587
Newfoundland	35,593	34,374	37,227
India	78,800	96,100	88,800
Australia	210,566	221,889	229,825
Total ..	480,000	510,000	565,000
FOREIGN COUNTRIES			
Austria	4,735	6,209	5,183
Czechoslovakia	4,171	3,830	4,600
Finland	292	333	246
France	3,169	1,230	(a)
Germany	50,145	52,813	57,603
Greece	6,800	13,200	(a)
Hungary	—	10	(a)
Italy	21,273	17,625	18,800
Norway	844	806	492
Poland	5,000	5,000	6,000
Portugal	101	209	3
Roumania	2,803	3,131	2,729
Spain (smelter)	103,706	82,175	72,000
Sweden	7,193	7,401	8,118
U.S.S.R. (Russia) (smelter)	18,500	13,455	26,563

(a) Information not available.

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

(c) Amount estimated as recoverable.

PRODUCTION OF LEAD ORE (*Cont.*)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Yugoslavia	48,681	60,146	69,062
Algeria	1,924	384	700
Morocco (French)	1,750	20	192
do. (Spanish)	915	609	(a)
Tunis	6,289	3,700	5,100
Guatemala	164	(a)	(a)
Mexico (b)	135,231	116,818	163,706
United States (b)	261,579	243,902	255,990
Argentina	2,748	(a)	(a)
Bolivia (exports)	5,402	7,721	11,023
Brazil (estimated)	500	150	(a)
Chile	(a)	32	(a)
Peru	1,159	1,826	8,835
China	3,136	3,156	(a)
French Indo-China	—	—	7
Japan (smelter)	6,313	6,717	6,671
Turkey	—	2,200	(a)
Total ..	700,000	660,000	750,000
WORLD'S TOTAL ..	1,180,000	1,170,000	1,310,000

(a) Information not available.

(b) Amount estimated as recoverable.

METAL PRODUCTION OF LEAD

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	7,000	5,500	9,000
Northern Rhodesia	—	73	184
South West Africa (d)	1,028	402	—
Canada	113,007	113,645	140,383
India	71,202	72,045	71,815
Australia (e)	186,356	205,264	196,005
Total ..	379,000	397,000	417,000
FOREIGN COUNTRIES			
Austria	1,955	4,552	5,540
Belgium (b)	63,147	68,294	70,000
Czechoslovakia	4,059	3,751	4,000
France	19,298	20,100	17,585
Germany (c)	104,731	130,000	130,000
Greece	6,380	8,075	8,000
Hungary	—	10	(a)
Italy	30,974	24,365	47,087
Norway	428	359	328
Poland	11,714	11,845	10,187
Portugal	107	68	53
Roumania	1,907	4,018	4,387
Spain	103,706	86,959	72,000
Sweden	38	—	—

(a) Information not available.

(b) Includes base bullion as follows:—

1932 6,476 long tons.

1933 7,687 " "

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

1932 93,700 long tons.

1933 114,800 " "

1934 118,000 " "

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

(e) Includes base bullion as follows—

1932 51,857 long tons

1933 45,871 " "

1934 35,804 " "

METAL PRODUCTION OF LEAD (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)	18,500	13,455	26,563
Yugoslavia	8,190	6,219	9,969
Tunis	13,860	14,638	26,880
Mexico	135,157	117,700	168,000
United States.. .. .	248,918	245,998	285,329
Argentina	9,100	11,900	19,000
Peru	322	489	1,786
French Indo-China	16	18	15
Japan	6,313	6,717	6,671
Korea	485	771	1,777
Total	790,000	780,000	910,000
WORLD'S TOTAL	1,170,000	1,180,000	1,330,000

EXPORTS OF LEAD, ETC.

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	24,465	34,170	45,160
Pig-lead	2,950	3,737	4,274
Sheets and pipes	4,557	5,572	5,938
Foil	166	252	(a)
White lead	4,227	4,224	5,104
Litharge, red lead, etc.	6,335	7,387	7,533
Nigeria—			
Ore	1,331	798	(a)
South West Africa—			
Pig-lead	1,059	—	—
Copper-lead ore and matte	24,631	—	—
Union of South Africa—			
Pig, ingot and sheets	3	5	4
Canada—			
Ore (<i>Pb content</i>)	1,658	3,393	10,556
Pig-lead, etc.	95,532	126,933	126,410
White lead	4	15	75
Newfoundland (years ended June 30)—			
Concentrates	41,240	43,088	43,945
British India—			
Pig-lead	61,361	65,045	60,228
British Malaya (including re-exports)—			
Pig-lead	114	95	109
Sheets and pipes	10	7	3
Hong Kong (including re-exports)—			
Pig-lead	388	341	408
Australia—			
Ores and concentrates (<i>Pb content</i>) (b)	4,126	25,975	30,369
Pig-lead	171,054	199,403	178,758
Sheets and pipes	197	168	238
White lead	325	453	390

(a) Information not available.

(b) Years ended June 30.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Pig-lead, scrap and alloys	285	1,547	3,129
Bars, sheets, rods, etc.	97	112	142
Red and white lead, etc.	1,181	1,055	957
Belgium-Luxemburg E.U.—			
Ore	42	471	76
Pig-lead and scrap	39,762	34,864	43,640
Sheets, bars, pipes and wire	8,720	7,798	9,142
Red and white lead, etc.	4,004	4,648	3,655
Czechoslovakia—			
Pig-lead, ashes , scrap and alloys.	188	130	1,483
Sheets, pipes, etc.	7	60	6
Red and white lead, etc.	1	48	30
Denmark—			
Pig-lead, scrap and alloys	324	417	717
Sheets and pipes	12	27	74
Red lead	1	2	—
France—			
Ore, matte and slag	5,370	11,662	6,927
Pig-lead, including argentiferous and antimonial	524	570	704
Scrap	745	1,029	521
Sheets, etc.	1,487	1,554	924
Red and white lead, etc.	1,512	1,362	1,414
Germany—			
Ore	4,757	8,205	4,473
Pig-lead, alloys and scrap	22,731	26,530	31,666
Sheets, pipes, wire, etc.	6,122	5,511	3,294
Red and white lead	7,717	8,147	8,351
Greece—			
Argentiferous lead	—	2,974	900
Pig-lead	6,153	3,851	7,280
Hungary—			
Pig-lead and scrap	4	161	102
Bars, sheets, pipes and wire	5	23	7
Red and white lead, etc.	30	2	2
Italy—			
Ore	7,846	2,407	2,286
Pig-lead, scrap and alloys	27	138	51
Sheets, pipes, wire and alloys	163	88	111
Red and white lead	2,011	2,287	2,427
Latvia—			
Red and white lead, etc.	859	742	738

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Pig-lead and scrap	24	12	27
Netherlands—			
Pig-lead and scrap	994	1,664	1,436
Sheets and wire	263	130	214
Red and white lead	555	352	360
Norway—			
Ore	1,543	718	1,242
Pig-lead, ashes and scrap	312	548	577
Sheets, tubes and wire	49	100	41
Poland—			
Ore and slag	20	—	418
Pig-lead, bars and scrap	5,849	145	670
Sheets, tubes and wire	84	34	32
Red and white lead, etc.	535	469	295
Portugal—			
Ore	2	—	4
Roumania—			
Ore	14	1,870	—
Scrap	6	98	—
Spain—			
Galena—non-argentiferous	32	736	355
Other ores	1,448	766	630
Pig-lead and scrap	77,656	76,453	56,184
Sheets, pipes and wire	858	1,534	1,948
Sweden—			
Ore	15,527	12,656	13,747
Pig-lead and scrap	1,380	1,869	2,029
Sheets, pipes, wire, etc.	6	8	17
Red and white lead, etc.	22	1	10
Switzerland—			
Ores, etc.	780	1,033	625
Pig-lead, scrap, etc.	737	464	633
Sheets and pipes	96	149	102
Red and white lead, etc.	4	—	—
U.S.S.R. (Russia)—			
Pig-lead, sheets and scrap	(a)	(a)	120
Yugoslavia—			
Ore	47,720	72,345	69,934
Pig-lead and scrap	997	4,583	8,899
Plates and sheets	5,071	—	—
Algeria—			
Ore	10,377	1,722	210
Pig-lead and scrap	399	686	416
Red and white lead	6	10	7

(a) Information not available.

EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Ore	1,874	8	—
Scrap	41	56	107
Spanish Africa (Melilla) (including re-exports) —			
Ore	198	191	(a)
Tunis (including re-exports)—			
Ore	1,418	1,205	80
Pig-lead and bars	11,760	13,354	20,320
Mexico—			
Ores, etc. (b)	431	3,607	2,777
Pig-lead, refined	82,658	78,092	174,569
Base bullion	11,704	1,724	858
Pig-lead, antimonial (b)	983	325	146
United States—			
Pig-lead, bars, etc.	20,882	20,385	5,273
Sheets and pipes	114	236	159
Red and white lead, etc.	3,274	2,817	2,927
Argentina—			
Ore	—	—	39
Bolivia—			
Ore (<i>Pb content</i>)	5,402	7,721	11,023
Brazil—			
Ore	806	211	(a)
Chile—			
Ores and concentrates	22	80	440
Peru—			
Ore and concentrates (<i>Pb content</i>)	863	1,427	7,183
Pig-lead and scrap (<i>do.</i>)	296	399	1,652
China—			
Ore	194	1	—
Pig-lead	19	35	130
Red and white lead, etc.	11	21	15
Formosa—			
Tea-lead	4	2	(a)
Iraq (years ended March 31 of year following)—			
Pig-lead, etc.	6	4	—
Japan—			
Tubes	510	775	2,049
Red lead	2,423	1,705	2,869

(a) Information not available.

(b) *Pb content*.

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

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Korea—			
Pig-lead	442	624	1,049
“ Manchoukuo ”—			
Ore	(a)	8	1,125
Netherlands East Indies—			
Scrap	281	171	40
Turkey—			
Ore	24	(a)	(a)
Sheets, tubes, wire and alloys ..	2	(a)	(a)

(a) Information not available.

IMPORTS OF LEAD, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates	1,098	353	131
Pig-lead	247,732	276,086	308,457
Sheets and pipes	5,342	3,962	3,311
Foil	17	6	(a)
White lead	4,565	4,491	5,073
Litharge, red lead, etc.	2,361	2,359	(a)
Irish Free State—			
Pig-lead	1,461	1,635	2,194
Sheets and pipes	828	839	932
Red and white lead, etc.	757	755	802
Gambia—			
Sheets and bars	(£51)	12	—
Gold Coast—			
Bars, sheets, etc.	212	219	183
Kenya and Uganda—			
Bars and sheets	18	16	31
Mauritius (total imports)—			
Pig-lead, sheets and pipes	33	17	13
Nigeria—			
Ore	60	24	10
Bars and sheets	71	79	81
Northern Rhodesia—			
Sheets and foil	1	264	(a)
Sierra Leone—			
Bars and sheets	10	9	6
Southern Rhodesia—			
Pig-lead, bars, sheets and foil	6	21	16
Red and white lead, acetate, etc.	88	105	141
South West Africa—			
Bars, sheets and pipes	4	5	9
Red and white lead, etc.	11	10	6
Tanganyika—			
Bars and sheets	3	11	12
Union of South Africa—			
Pig-lead, bars, sheets and pipes	955	1,439	2,595
Foil	11	18	17
Red and white lead, acetate, etc.	1,038	1,389	1,629

(a) Information not available.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Canada—			
Pig-lead and scrap	13	7	46
Bars, sheets, pipes, etc.	88	47	36
White lead, red lead, litharge, etc.	1,362	1,174	1,141
Newfoundland (years ended June 30)—			
Bars and sheets	(£103)	(£250)	(£558)
British India (total imports)—			
Ore	273	321	262
Pig-lead, bars, etc.	209	190	222
Sheets, pipes and tubes	781	928	989
Lead (Government stores)	3	41	52
Litharge, red and white lead, etc.	2,827	2,444	2,705
British Malaya (total imports)—			
Pig-lead	293	181	179
Pipes and sheets	55	63	63
Ceylon—			
Pig-lead	2,045	2,020	1,539
Sheets and pipes	25	40	39
Tea-lead	776	487	510
Cyprus—			
Sheets and pipes	21	37	39
Hong Kong (total imports)—			
Pig-lead	1,468	1,484	2,291
Palestine (total imports)—			
Pig-lead, sheets, pipes, etc.	127	168	372
Australia—			
Pig-lead	—	9	—
Sheets and pipes	60	40	78
White lead and lead acetate	15	18	16
Fiji—			
Pig-lead and sheet	5	7	11
New Zealand—			
Pig-lead and bars	817	780	1,231
Sheets and pipes	73	64	98
White lead	1,016	1,078	1,120
FOREIGN COUNTRIES			
Austria—			
Ore	511	—	—
Pig-lead, scrap and alloys	3,039	237	604
Bars, sheets, rods, etc.	20	5	6
Red and white lead, etc.	40	7	6

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Ore	42,135	61,584	95,650
Pig-lead and scrap	26,419	17,594	19,851
Sheets, bars, pipes and wire	75	57	34
Red and white lead, etc.	879	725	766
Bulgaria—			
Pig-lead, sheets, scrap, etc.	781	575	350
Tubes, wire, etc.	22	3	1
Red and white lead, etc.	127	65	45
Czechoslovakia—			
Ore	10	—	—
Pig-lead, ashes, scrap and alloys.. .. .	7,940	7,470	7,425
Sheets, plates, pipes, wire, etc.	9	2	2
Red and white lead, etc.	490	212	161
Denmark—			
Pig-lead and scrap	5,212	7,280	7,926
Sheets and pipes	343	460	335
Red and white lead	659	747	801
Estonia—			
Pig-lead and bars	157	185	184
Sheets, pipes and wire	12	25	18
Red and white lead, etc.	145	124	138
Finland (total imports)—			
Pig-lead and scrap	1,282	1,229	1,952
Sheets, pipes, wire, etc.	478	697	953
Red and white lead, etc.	423	640	626
France—			
Ore, matte and slag	12,914	17,762	25,306
Pig-lead, including argentiferous and antimonial	109,334	130,374	98,620
Scrap	1,761	1,155	838
Sheets, etc.	306	466	406
Red and white lead, etc.	1,564	1,608	1,804
Germany—			
Ore	66,125	103,507	80,736
Pig-lead, scrap and alloys	49,857	47,916	47,788
Sheets, pipes, wire, etc.	180	128	124
Red and white lead, etc.	728	712	558
Greece—			
Lead	1,033	728	436

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Pig-lead and scrap	4,555	3,415	6,196
Bars, sheets, pipes and wire	7	8	3
Red and white lead, etc.	26	30	75
Iceland—			
Pig-lead, etc.	18	8	(a)
Red and white lead	24	37	(a)
Italy—			
Ore	15,161	17,538	36,776
Pig-lead, scrap and alloys	8,815	8,554	5,985
Sheets, pipes, wire and alloys	18	16	29
Red and white lead	676	700	599
Latvia—			
Pig-lead and scrap	1,512	1,193	1,453
Sheets, tubes and wire	54	151	49
Lithuania—			
Pig-lead, sheets, wire and scrap	145	119	226
Red and white lead, etc.	55	45	54
Netherlands—			
Ore	222	278	275
Pig-lead and scrap	18,722	21,871	23,896
Sheets and wire	3,453	3,747	3,173
Red and white lead	4,125	4,755	4,165
Norway—			
Pig-lead	1,877	2,196	3,166
Bars, sheets and tubes	639	643	656
Red and white lead	583	714	701
Poland—			
Ore and slag	1,615	3,708	592
Pig-lead, bars and scrap	136	158	26
Sheets, tubes and wire	34	77	9
Red and white lead, etc.	405	241	254
Portugal—			
Lead and alloys	2,181	2,059	2,069
Red and white lead	336	415	371
Roumania—			
Pig-lead	1,568	414	154
Bars, sheets, pipes and wire	81	186	34
Red and white lead, etc.	350	414	333

(a) Information not available.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Spain—			
Galena—non-argentiferous ..	2,711	7,328	—
Other ores	4,873	3,779	171
Pig-lead and scrap	172	173	119
Sheets, pipes and wire	7	10	26
Sweden—			
Pig-lead and scrap	10,158	11,692	13,787
Sheets and pipes	1,579	1,809	2,351
Red and white lead, etc.	2,298	2,177	2,588
Switzerland—			
Ores, etc.	59	40	39
Pig-lead, scrap, etc.	14,237	13,380	14,965
Sheets, pipes, wire, etc.	557	669	721
Red and white lead, etc.	316	380	339
U.S.S.R. (Russia)—			
Pig-lead, sheets and scrap	33,245	16,146	18,436
Red lead, etc.	935	257	6
Yugoslavia—			
Pig-lead and scrap	13	17	17
Sheets, bars, rods and wire	7	5	12
Red and white lead, etc.	411	335	287
Algeria—			
Ore and matte	484	52	37
Pig-lead, bars, sheets, etc.	4,388	2,616	2,445
Red and white lead, etc.	175	139	128
Belgian Congo—			
Pig-lead	4	—	4
Canary Islands (b)—			
Pig-lead, sheets, tubes, etc.	36	38	(a)
Egypt—			
Pig-lead and scrap	393	431	(b) 782
Sheets and pipes	540	443	(b) 567
Red and white lead	331	379	428
Madagascar—			
Pig-lead, bars and sheets	35	36	50
Red and white lead	64	39	56
French Togoland—			
Pig-lead and sheets	3	5	(a)
Morocco—			
Ore	—	80	49
Pig-lead, sheets and wire	196	249	272
Red and white lead	—	95	60
Mozambique—			
Bars and sheets	12	12	(a)

(a) Information not available.

(b) Total imports.

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description:	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Tunis—			
Ore, matte and slag	3,745	24,039	25,866
Pig-lead, bars and scrap	59	90	78
Sheets, etc.	137	73	56
Red and white lead, etc.	44	32	51
Cuba (total imports)—			
Pig-lead	7	3	(a)
Sheets, pipes and wire	30	21	(a)
Mexico—			
Pig-lead	—	11	44
Sheets and pipes	74	167	31
Panama—			
Pig-lead	(a)	(a)	(a)
United States—			
Ore and matte (<i>Pb content</i>)	18,751	5,320	13,312
Bullion and base bullion (<i>Pb content</i>)	12,020	1,417	3,245
Red and white lead, etc.	37	18	19
Pig-lead, bars and scrap	(c) 39	(c) 98	(c) 252
Argentina—			
Ore	4,185	3,986	1,579
Pig-lead and sheets	678	2,326	398
Red and white lead	380	375	590
Brazil (total imports)—			
Pig-lead, sheets and pipes	5,441	6,000	8,272
Red and white lead	405	645	512
Chile—			
Pig-lead	654	9	580
Bars and sheets	48	75	44
Red and white lead	47	17	31
Colombia—			
Ingots, bars, tubes and alloys	84	116	128
Red and white lead	68	53	81
Ecuador—			
Pig-lead, sheets and wire	48	(a)	(a)
Peru—			
Pig-lead, sheets, etc.	31	51	57
Uruguay—			
Pig-lead	621	584	(a)
Red and white lead	94	109	(a)
Venezuela—			
Pig-lead	51	(a)	(a)
Red and white lead	21	(a)	(a)

(a) Information not available.

(c) *Pb content.*

IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
China—			
Pig-lead	4,818	4,472	4,499
Scrap	130	460	641
Tea- and sheet-lead	406	408	234
Pipes	240	72	58
Red and white lead, etc.	1,138	965	940
Formosa—			
Pig-lead	2	7	(a)
Pipes and tubes	624	663	(a)
Red lead, etc.	175	(a)	(a)
French Indo-China—			
Pig-lead and scrap	134	177	145
Sheets, etc.	20	16	27
Red and white lead	178	208	127
Iraq (years ended March 31 of year following)—			
Pig-lead, tubes, wire, etc.	34	51	79
Japan (total imports)—			
Pig-lead	54,466	65,547	93,074
Tea-lead	59	38	—
Korea—			
Pig-lead	—	—	33
Pipes	263	422	570
“Manchoukuo”—			
Pig-lead	562	934	1,259
Red and white lead, etc.	233	393	354
Netherlands East Indies—			
Pig-lead, scrap and alloys	256	154	270
Sheets, etc. and alloys	322	267	198
Tea-lead	353	247	218
Red and white lead	752	635	819
Philippine Islands—			
Pig-lead and sheets	485	432	600
Red and white lead	441	331	249
Siam (total imports)—			
Pig-lead	146	129	144
Syria and Lebanon—			
Ingots and sheets	71	138	128
Pipes	125	77	94
Red and white lead	166	370	45
Turkey—			
Pig-lead, scrap and alloys	982	(a)	(a)
Sheets, tubes, wire and alloys	76	(a)	(a)

(a) Information not available.

MAGNESITE

PRODUCTION OF MAGNESITE

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Southern Rhodesia—			
Crude	13	—	—
Union of South Africa—			
Crude	1,396	1,471	1,641
Canada—			
Crude	2,788	26,729	(a)
India—			
Crude	13,864	15,206	14,975
Australia—			
Crude	5,391	9,720	15,897
FOREIGN COUNTRIES			
Austria—			
Crude	132,286	161,736	254,301
Caustic (c)	30,412	23,462	35,247
Dead-burnt (c)	28,298	63,260	63,704
Bricks (c)	15,283	24,970	28,325
Czechoslovakia—			
Calcined (b)	13,014	18,988	23,151
Greece—			
Crude	43,993	44,013	(a)
Caustic (c)	9,047	16,039	(a)
Dead-burnt (c)	1,605	2,605	(a)
Italy—			
Crude	453	2,152	(a)
Germany (Prussia)—			
Crude	(a)	(a)	10,836

(a) Information not available.

(b) Exports less imports.

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

PRODUCTION OF MAGNESITE (Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude	1,290	1,975	2,461
Calcined (c)	512	579	659
Bricks (c)	537	483	660
U.S.S.R. (Russia)—			
Crude	(a)	361,000	474,000
Yugoslavia (Serbia only)—			
Crude	16,084	14,371	24,690
Calcined	7,633	5,561	10,312
United States—			
Crude	34,341	96,596	90,154
Caustic (sales) (c)	3,013	7,269	6,721
Dead-burnt (sales) (c)	13,246	38,940	34,406
Korea—			
Crude	(a)	(a)	3,118
“ Manchoukuo ”—			
Crude	54,511	70,249	(a)
Turkey—			
Crude	305	936	(a)

(a) Information not available.

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

EXPORTS OF MAGNESITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Magnesium	5	25	4
Magnesium compounds	4,626	5,070	5,013
Canada—			
Caustic and dead-burnt	1,066	2,071	1,783
India—			
Magnesite	(a)	(b) 2,610	3,293
Chloride	(a)	(b) 830	1,076
FOREIGN COUNTRIES			
Austria—			
Crude	2,579	5,387	19,125
Caustic	15,368	18,776	30,778
Dead-burnt	14,763	36,942	36,000
Bricks	13,826	24,527	25,861
Carbonate	3	2	—
Chloride	52	8	31
Belgium-Luxemburg E.U.—			
Crude	—	19	3
Calcined	86	64	80
Carbonate	9	2	6
Chloride	18	49	56
Sulphate	78	52	46
Czechoslovakia—			
Crude	6,111	9,271	8,708
Calcined	13,651	19,730	24,247
Chloride and sulphate	12	3	2
Oxide, impure	23	25	1
France—			
Crude	9	16	} 916
Calcined	58	17	
Magnesium	1	1	
Carbonate	42	22	
Chloride	697	715	
Sulphate	103	139	
Germany—			
Calcined	4,005	3,014	2,320
Carbonate	403	512	639
Chloride	20,863	15,996	17,186
Sulphate	36,293	48,112	55,502

(a) Information not available.

(b) From April 1 only.

EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Greece—			
Crude	12,797	10,755	19,976
Caustic	10,396	13,681	14,730
Dead-burnt.. .. .	(a)	6,097	8,858
Italy—			
Caustic, impure	506	301	227
do. pure	117	134	226
Carbonate	184	144	145
Chloride and sulphate	10	4	16
Netherlands—			
Crude	140	20	172
Oxide	8,458	8,923	10,302
Sulphate	36	63	54
Spain—			
Chloride and sulphate	266	149	316
Sweden—			
Crude and calcined	278	—	5
Switzerland—			
Calcined	9	9	70
U.S.S.R. (Russia)—			
Crude	} 2,643	6,941	513
Calcined			10,405
Yugoslavia—			
Crude	719	849	1,191
Calcined	6,708	5,173	8,326
United States—			
Oxide and manufactures	545	620	1,140
“Manchoukuo”—			
Crude and ground	2,728	42,233	51,225
Turkey—			
Crude	103	(a)	(a)

(a) Information not available.

IMPORTS OF MAGNESITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Crude	8,035	5,388	} 1,385
Caustic and dead-burnt	10,093	9,439	
Magnesium	48	6	(a)
Chloride, sulphate, etc.	15,763	19,318	(a)
Union of South Africa—			
Carbonate and sulphate	510	515	590
Chloride	134	230	160
Canada—			
Crude and calcined	951	1,252	422
Oxide	65	57	174
Carbonate	354	440	417
Sulphate	1,957	1,906	2,053
Bricks	(£17,809)	(£54,735)	(£79,396)
British India (total imports)—			
Chloride	1,134	1,027	757
Sulphate	581	812	594
Other salts	43	206	446
Australia—			
Oxide	66	104	63
Carbonate	90	344	724
Chloride	144	406	155
Sulphate	397	499	523
New Zealand—			
Sulphate	247	302	266
FOREIGN COUNTRIES			
Austria—			
Crude	11	—	—
Caustic	47	46	68
Carbonate	115	124	139
Chloride	1,025	563	617
Sulphate	8	2	18

(a) Information not available.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude	262	62	84
Calcined	882	653	909
Magnesium	3	3	3
Carbonate	31	37	135
Chloride	1,057	551	1,275
Sulphate	4,078	4,842	3,322
Bulgaria—			
Crude	132	47	74
Sulphate	97	60	61
Czechoslovakia—			
Crude	10	6	10
Calcined	637	742	1,096
Oxide, impure	3,125	2,313	1,568
Chloride	3,395	2,337	2,088
Denmark—			
Crude	312	334	436
Oxide	104	111	70
Chloride	359	363	388
Sulphate	182	231	349
Estonia—			
Ground and calcined Chloride and sulphate	73	62	67
	127	103	115
Finland (total imports)—			
Magnesite and witherite	518	586	806
Calcined	7	3	12
Carbonate	59	104	194
Chloride	331	416	437
Sulphate	153	80	151
France—			
Crude	482	775	2,494
Calcined	11,158	11,541	11,739
Magnesium	24	7	5
Carbonate	1,118	1,346	799
Chloride	1,237	831	816
Sulphate	697	1,324	1,111
Germany—			
Crude	10,968	15,915	30,985
Caustic	13,793	20,303	39,062
Dead-burnt	9,272	16,327	21,317
Carbonate, sulphate, etc.	83	72	9

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Crude and calcined	5,336	6,201	7,900
Oxide	22	42	38
Sulphate	59	30	75
Italy—			
Caustic, impure	2,341	3,052	3,659
do. pure	1	16	2
Carbonate	24	25	22
Chloride	716	372	292
Sulphate	26	32	4
Latvia—			
Crude and calcined	132	124	121
Chloride	120	109	120
Sulphate	35	56	66
Lithuania—			
Crude and calcined	104	80	88
Netherlands—			
Crude	517	1,612	1,195
Oxide	8,906	8,506	10,492
Sulphate	5,440	5,368	5,628
Norway—			
Calcined	473	427	556
Bricks	100	106	451
Chloride	320	286	249
Poland—			
Crude and calcined	1,585	2,012	2,218
Chloride	720	545	697
Oxide	6	8	14
Sulphate	839	897	966
Portugal—			
Carbonate	15	14	12
Chloride	47	62	135
Oxide	3	8	5
Sulphate	505	805	609
Roumania—			
Calcined	21	24	33
Chloride	62	54	99
Sulphate	391	346	407
Spain—			
Carbonate	92	114	100
Chloride and sulphate	243	189	166
Oxide	18	19	25

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Crude and calcined	1,203	1,297	1,770
Chloride	(a)	(a)	1,295
Switzerland—			
Calcined	1,806	1,601	1,124
Yugoslavia—			
Calcined	1,042	1,188	1,177
Chloride and sulphate	394	197	280
Oxide and carbonate	75	76	74
Algeria—			
Calcined	5	2	—
Carbonate	8	30	21
Chloride	13	—	(a)
Sulphate	14	16	18
Egypt—			
Sulphate	395	407	798
Mexico—			
Crude	(a)	(a)	863
Calcined	48	36	46
United States—			
Crude and calcined	1,694	1,661	1,431
Dead-burnt	6,270	13,987	20,465
Oxide	187	180	140
Carbonate, precipitated	353	279	425
Chloride	245	182	13
Sulphate	4,307	4,467	3,969
Argentina—			
Calcined	92	85	102
Carbonate	80	83	106
Chloride	115	105	101
Sulphate and chlorate	387	697	542
Brazil (total imports)—			
Sulphate	859	1,386	983
Chile—			
Crude	24	88	136
Chloride	113	1	5
Carbonate, oxide, etc.	8	14	6
Sulphate	19	—	2
Colombia—			
Calcined	14	11	10
Carbonate	75	118	161
Peru—			
Crude	301	—	500
Salts	46	55	53

(a) Information not available.

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Venezuela—			
Sulphate	47	(a)	(a)
French Indo-China—			
Calcined	5	4	3
Carbonate	1	2	3
Chloride	14	19	10
Japan—			
Crude and oxide (b)	16,636	30,700	32,682
Syria and Lebanon—			
Ground and calcined	—	—	33
Chloride	—	—	10
Turkey—			
Salts	62	(a)	(a)

(a) Information not available.

(b) Incomplete figures.

MANGANESE

PRODUCTION OF MANGANESE ORE

(Long tons)

Producing Country.	1932	1933	1934	Estimated Manganese Content.		
				1932	1933	1934
BRITISH EMPIRE						
Gold Coast ..	(c) 50,689	(c) 265,140	365,178	26,000	138,000	190,000
Northern Rhodesia ..	—	5,367	2,041	—	2,111	581
Union of South Africa ..	—	20,894	50,229	—	10,585	24,919
India	212,604	218,307	406,306	106,000	109,000	203,000
Unfederated Malay States	9,278	13,194	18,649	2,100	3,000	4,400
Australia	106	129	105	(a)	(a)	9,253
Total ..	270,000	520,000	840,000			
FOREIGN COUNTRIES						
Austria (b)	(a)	(a)	(a)	6,480	5,377	9,253
Czechoslovakia ..	32,951	16,799	57,256	5,614	2,527	9,000
Germany	12	554	507	(a)	(a)	(a)
Greece	733	1,578	(a)	320	766	(a)
Hungary	1,473	6,134	(a)	590	2,058	(a)
Italy	387	4,453	6,831	130	1,558	2,400
Portugal	—	25	290	—	10	120
Roumania	4,971	2,730	11,198	1,790	983	4,143
Spain	2,550	2,789	2,200	800	900	700
Sweden	4,653	6,124	6,212	1,649	2,191	2,413
U.S.S.R. (Russia) ..	813,000	982,000	1,792,000	(a)	(a)	(a)
Yugoslavia	156	521	1,086	60	200	400
Egypt	322	184	944	203	120	500
Morocco (French zone)	4,000	4,752	7,161	1,600	1,900	2,900

(a) Information not available.

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

(c) Exports.

PRODUCTION OF MANGANESE ORE (Cont.)

Producing Country.	1932	1933	1934	Estimated Manganese Content.		
				1932	1933	1934
FOREIGN COUNTRIES (Cont.)						
Cuba	2,113	89,224	(a)	850	35,700	(a)
Porto Rico (exports)	2,302	1,638	1,711	1,102	797	854
Mexico	301	(a)	(a)	(a)	(a)	(a)
United States (c) ..	17,777	19,146	26,514	7,500	8,300	11,400
Argentina	248	404	(a)	100	170	(a)
Brazil	36,152	24,500	2,300	17,000	11,500	1,100
Chile	441	450	(a)	200	200	(a)
China	21,200	9,300	(a)	8,500	3,700	(a)
Japan	25,828	42,847	(a)	13,000	21,000	(a)
" Manchoukuo " ..	59	740	(a)	24	300	(a)
Netherlands East Indies	8,156	10,298	11,451	4,400	5,400	6,012
Turkey	2,800	7,600	2,645	700	1,800	926
Total ..	980,000	1,240,000	2,080,000			
WORLD'S TOTAL	1,250,000	1,760,000	2,920,000			

(a) Information not available.

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

1932	15,635 long tons.
1933	12,779 " "
1934	23,231 " "

EXPORTS OF MANGANESE ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ferro-manganese and spiegeleisen	6,027	3,283	8,964
Gold Coast—			
Ore	50,689	265,140	339,985
Union of South Africa—			
Ore	3,054	21,475	65,179
Canada—			
Ore	89	—	—
British India—			
Ore (b)	192,744	259,358	380,416
Ferruginous manganese ore ..	—	—	2,000
British Malaya (c)—			
Ore	9,278	11,372	9,684
Hong Kong (including re-exports)—			
Ore	8,414	10,182	327
FOREIGN COUNTRIES			
Austria—			
Ore	98	197	147
Belgium-Luxemburg E.U.—			
Ore	17,436	1,353	10,100
France—			
Ore	4,945	3,480	4,086
Manganese dioxide	13	15	20
Ferro-manganese	603	1,616	8,432
Germany—			
Ore	1,539	2,285	2,049
Ferro-manganese	18,945	18,750	19,293
Greece—			
Ore	755	2,566	1,772
Hungary—			
Ore	295	—	—

(b) Excluding manganese ore mined in British India, but exported via the Portugese port of Mormugao—1932, 108,508 tons—1933, 116,546 tons—1934, 103,706 tons.

(c) Including re-exports.

EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore, including manganiferous iron ore	13	60	25
Ferro-manganese	403	490	544
Ferro-silico-manganese	1,015	137	2
Netherlands—			
Ore	548	23,702	904
Norway—			
Ferro-manganese	34,933	37,068	36,684
Ferro-silico-manganese	(a)	11,893	11,752
Poland—			
Ore	—	—	50
Ferro-manganese	193	2,411	11,655
Spain—			
Ore	99	411	682
Sweden—			
Ore	97	80	54
Ferro-manganese and spiegeleisen	731	939	198
Ferro-silico-manganese	1,012	1,957	3,912
U.S.S.R. (Russia)—			
Ore	409,045	644,662	725,237
Yugoslavia—			
Ore	49	—	30
Ferro-manganese	1,186	—	—
Algeria—			
Ore	678	2,373	3,011
Morocco—			
Ore	2,740	2,184	4,468
Cuba—			
Ore	18,874	40,856	(a)
United States—			
Ferro-manganese and spiegeleisen	33	47	222
Brazil—			
Ore	20,555	24,500	2,264
Chile—			
Ore	442	753	4,000
China—			
Ore	20,406	9,422	856
Japan—			
Ore	3,390	6,112	4 545
Netherlands East Indies—			
Ore	7,978	8,171	7,047
Turkey—			
Ore	2,800	(a)	(a)

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	78,452	119,309	202,067
Ferro-manganese and spiegeleisen	2,871	6,186	3,539
Union of South Africa—			
Ferro-manganese	625	580	390
Manganese dioxide	30	17	40
Canada—			
Ore (oxide)	1,350	30,663	27,637
Hong Kong (total imports)—			
Ore	8,565	9,340	1,037
Australia—			
Ore	506	223	170
FOREIGN COUNTRIES			
Austria—			
Ore	433	313	325
Belgium-Luxemburg E.U.—			
Ore	152,294	169,914	199,839
Czechoslovakia—			
Ore	248	6,678	15,809
Denmark—			
Ore	1,325	881	979
Estonia—			
Ore	8	8	2
Finland (total imports)—			
Ore	69	28	56
Ferro-manganese	331	314	240
France—			
Ore	343,654	499,440	573,551
Ferro-manganese	3	30	28
Manganese dioxide	547	156	47
Germany—			
Ore	105,093	129,842	221,195
Ferro-manganese	2,497	1,790	1,450
Hungary—			
Ore	25	83	103
Italy—			
Ore, including manganiferous iron ore	28,443	53,412	64,253
Ferro-manganese	217	114	269
Ferro-silico-manganese	193	10	16

IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore	11,023	3,888	7,277
Norway—			
Ore	20,136	77,972	106,902
Poland—			
Ore	7,700	37,661	} 37,708
Manganese dioxide	381	31	
Ferro-manganese	64	531	275
Roumania—			
Manganese dioxide	112	152	236
Spain—			
Ore	5,060	8,279	16,854
Ferro-manganese	3	246	66
Sweden—			
Ore	265	428	385
Ferro-manganese and spiegeleisen	3,282	2,277	6,047
Ferro-silico-manganese and ferro-silicon	47	269	2,206
U.S.S.R. (Russia)—			
Ferro-manganese	—	1,930	825
Yugoslavia—			
Ore	81	120	17
Ferro-manganese	105	763	831
Algeria—			
Ore	439	2,302	3,925
Mexico—			
Ferro-manganese	49	362	557
United States—			
Ore (<i>Mn content</i>)	53,553	73,390	165,840
Ferro-manganese and other Mn alloys (<i>Mn content</i>) (b)	14,586	32,442	18,781
Argentina—			
Dioxide and borate of manganese	330	303	221
Chile—			
Ferro-manganese	9	47	210
China—			
Ore	210	657	606
Ferro-manganese	44	16	19
Japan (total imports)—			
Ore	42,141	66,228	87,297
Ferro-manganese	197	10	2

(a) Information not available.

(b) Total imports.

MICA

PRODUCTION OF MICA
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Nigeria	(17 cwt.)	—	—
Northern Rhodesia	—	1	1
Southern Rhodesia	13	4	2
Tanganyika Territory—			
Sheet	12	11	9
Waste	}	}	22
Union of South Africa (b)	242	391	273
Canada—			
Knife trimmed	—	4	27
Thumb trimmed	1	23	41
Splittings	2	33	33
Rough cobbed	—	—	1
Scrap	274	783	788
Ceylon (exports)	2	(2 cwt.)	20
India (exports)—			
Sheet	335	785	1,026
Splittings	2,016	2,047	3,615
Australia	30	42	138
FOREIGN COUNTRIES			
Italy	9	3	(a)
Norway	31	5	17
Sweden	60	67	16
U.S.S.R. (Russia)	7,667	5,687	(a)
Madagascar—			
Muscovite	(88 lb.)	(692 lb.)	—
Phlogopite, etc.	136	170	289
United States (sales)—			
Sheets (uncut)	151	163	261
Scrap	6,286	7,813	6,892
Argentina	54	74	(a)
Bolivia (exports)	8	23	4
Brazil	52	28	12
Korea	20	23	101

(a) Information not available.

(b) Nearly all scrap.

The following amounts of lithia mica were produced :—

	1932	1933	1934	
Germany	156	72	(a)	long tons.
Portugal	2,014	870	294	" "

EXPORTS OF MICA
(Domestic Produce)
(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Splittings, films, ground and waste	3	27	30
Southern Rhodesia	10	4	3
Tanganyika Territory	12	12	16
Union of South Africa	237	504	223
Canada—			
Rough, cobbled and thumb-trimmed	1	24	85
Splittings	44	34	40
Scrap and waste	268	961	750
British India—			
Sheet	335	785	1,026
Splittings	2,016	2,047	3,615
Ceylon	2	(2 cwt.)	20
FOREIGN COUNTRIES			
Austria	118	319	303
Belgium-Luxemburg E.U.—			
Sheet and plate	55	71	103
France—			
Unmanufactured	140	136	104
Sheet, plate and manufactures ..	19	11	19
Germany—			
Unmanufactured	40	23	18
Italy	1	9	5
Netherlands	1	1	17
Norway—			
Sheet	1	2	2
Scrap	100	101	165
Switzerland (including asbestos) ..	30	5	20
U.S.S.R. (Russia)	—	588	2,772
Madagascar—			
Phlogopite, etc.	128	242	374
United States (including manufactured)	1,383	1,395	1,564
Argentina	17	34	84
Bolivia	8	23	4
Brazil	41	22	58

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Block, splittings and films	905	660	983
Ground and waste	325	624	694
Union of South Africa—			
Micanite sheets	2	3	2
Newfoundland (years ended June 30)	(£2)	(£4)	(£10)
British India (total imports)—			
Sheet	7	19	4
Splittings	2	(2 cwt.)	7
Australia	(2 cwt.)	1	(2 cwt.)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured	14	6	22
Sheet	11	11	15
Belgium-Luxemburg E.U.—			
Crude sheet and plate	100	146	130
Cut sheet and plate	11	14	15
Denmark	84	60	68
France—			
Unmanufactured	176	195	783
Sheet, plate and manufactures ..	35	34	45
Germany—			
Unmanufactured	388	571	990
Italy—			
Unmanufactured and sheet	168	125	317
Netherlands	22	38	73
Poland	37	52	34
Roumania	1	2	4
Spain—			
Sheet	9	19	17
Switzerland (including asbestos) ..	584	824	771
U.S.S.R. (Russia)	37	3	—
United States—(b) Unmanufactured	1,320	1,715	3,432
Cut, splittings and manufactures	461	713	1,135

(b) Re-exports of mica and manufactures were 11, 10 and 21 tons in 1932, 1933 and 1934 respectively.

MOLYBDENUM

PRODUCTION OF MOLYBDENUM ORE

(Cwt.)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Australia	102	130	89
FOREIGN COUNTRIES			
Norway (<i>MoS₂ content</i>)	5,181	8,149	4,793
French Morocco (<i>MoS₂ content</i>)	—	3,700	2,700
Mexico	103	1,303	15,315
United States (<i>MoS₂ content</i>)	36,176	84,554	139,313
Peru (<i>MoS₂ content</i>)	150	212	293
Korea	879	2,070	2,037

(a) Information not available.

EXPORTS OF MOLYBDENUM ORE, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Canada—			
Ore (<i>MoS₂ content</i>)	18	—	—
Australia—			
Ore	68	12	5
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates ..	128	55	32
Norway—			
Ore	7,259	9,317	5,225
Morocco—			
Ore	2	2,294	2,939
Mexico—			
Ore	103	1,303	15,315
United States.. .. .	(b)	(b)	(b)
Peru—			
Ores (<i>MoS₂ content</i>)	150	212	293

(b) Exports not separately recorded in the trade returns of the United States, but stated by the producers to be 80% of output.

IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	9,829	12,172	15,801
Canada—			
Calcium molybdate	127	63	314
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates ..	31	244	327
Italy—			
Ferro-molybdenum	551	1,321	1,886
U.S.S.R. (Russia)—			
Ore	(a)	(a)	591
Ferro-molybdenum	11,640	12,240	4,600
United States—			
Ore (<i>MoS₂</i> content)	—	17	3,183

(a) Information not available.

MONAZITE**PRODUCTION OF MONAZITE**
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
India	654	(a)	1,009
FOREIGN COUNTRIES			
Brazil (exports)	295	401	—

(a) Information not available.

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

Exporting Country and Description.	Unit	1932	1933	1934
BRITISH EMPIRE				
United Kingdom—				
Thorium nitrate	Cwt.	4	2	(a)
Gas mantles	Gross	21,010	19,733	17,998
India (Travancore) (b)—				
Monazite sand	Cwt.	39,580	18,180	(a)
British Malaya (including re-exports)—				
Gas mantles	Gross	58	50	241
FOREIGN COUNTRIES				
Austria—				
Gas mantles	Cwt.	24	26	20
Belgium-Luxemburg E.U.—				
Gas mantles	Cwt.	6	6	10
France—				
Thorium nitrate and other rare-earth salts	Cwt.	614	250	779
Gas mantles	Gross	1,688	715	292
Germany—				
Gas mantles	Gross	61,313	56,389	42,333
Italy—				
Gas mantles	Gross	—	3	—
Netherlands—				
Gas mantles	Gross	63	7	15
Sweden—				
Gas mantles	Cwt.	68	88	35
United States—				
Gas mantles	Gross	12,004	8,671	9,786
Brazil—				
Monazite sand	Long ton	295	401	—

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

(a) Information not available.

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

IMPORTS OF MONAZITE, ETC.
(Less Re-exports)

Importing Country and Description.	Unit	1932	1933	1934
BRITISH EMPIRE				
United Kingdom—				
Monazite sand	Long ton	202	230	(a)
Thorium nitrate	Cwt.	432	133	(a)
Gas mantles	Gross	1,538	555	637
Irish Free State—				
Gas mantles	Gross	3,615	2,790	3,346
Canada—				
Thorium nitrate, etc. ..	£	1,486	1,212	992
British India (total imports)—				
Gas mantles	£	61,453	41,119	29,905
British Malaya (total imports)—				
Gas mantles	Gross	4,040	2,958	4,127
Ceylon—				
Gas mantles	Gross	798	1,252	1,544
Australia—				
Gas mantles	Gross	5,491	5,238	4,462
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Gas mantles	Cwt.	47	53	71
Estonia—				
Gas mantles	Gross	199	149	175
Finland—				
Gas mantles	Cwt.	18	14	26
France—				
Thorium nitrate and other rare-earth salts	Cwt.	16	10	8
Gas mantles	Gross	993	951	254
Germany—				
Monazite sand	Long ton	2	1	319
Gas mantles	Gross	83	49	—
Hungary—				
Gas mantles	Cwt.	12	8	12
Italy—				
Gas mantles	Gross	83	94	164
Thorium and cerium salts ..	Cwt.	16	14	22
Netherlands—				
Gas mantles	Gross	6,513	7,966	5,888
Norway—				
Gas mantles	Cwt.	18	16	18

(a) Information not available.

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

Importing Country and Description.	Unit	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)				
Poland—				
Gas mantles	Cwt.	26	33	8
Portugal—				
Gas mantles	Cwt.	11	8	14
Sweden—				
Gas mantles	Cwt.	—	4	—
Switzerland—				
Gas mantles	Cwt.	6	3	2
Yugoslavia—				
Gas mantles	Cwt.	14	35	34
Egypt—				
Gas mantles	Gross	11,297	10,365	6,447
United States—				
Monazite sand and thorite	Long ton	1,401	50	100
Brazil (total imports)—				
Gas mantles	Cwt.	9	14	20

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.	1932	1933	1934
BRITISH EMPIRE			
Canada	13,539	37,172	57,450
India (b)	930	973	1,200
Australia	(11 cwt.)	9	—
Total	14,500	38,200	58,700
FOREIGN COUNTRIES			
U.S.S.R. (Russia)	—	—	849
Brazil (ore)	—	310	(a)
Greece	940	1,355	(a)
Norway	930	979	1,312
United States (d)	174	113	(a)
New Caledonia (c)	4,958	4,860	8,500
Total	7,000	7,300	12,100
WORLD'S TOTAL	21,500	45,500	70,800

(a) Information not available.

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

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

1932 2,200 long tons.

1933 4,000 " "

(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 :—

1932 1,295 long tons.

1933 1,473 " "

1934 1,652 " "

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc.	3,137	4,892	7,273
Plates, sheets and anodes	101	134	146
Ingots, sheets, etc. (alloys)	430	560	560
Nickel oxide	11	68	29
Canada—			
Ore, matte, etc. (<i>Ni content</i>)	6,772	17,110	26,046
Nickel, fine	6,770	18,791	24,430
Nickel oxide (<i>Ni content</i>)	776	3,422	2,270
Hong Kong (including re-exports)—			
Nickel	8	6	2
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys	390	131	88
Sheets, tubes, etc., and alloys	691	814	806
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc.	33	480	273
Sheets, wire, etc.	2,009	2,400	1,800
Czechoslovakia—			
Crude and scrap	4	5	13
Denmark—			
Sheets, rods, wire and alloys	3	1	2
France—			
Ore	1	52	24
Matte and speiss	230	233	150
Ingots	271	168	144
do. (alloys)	33	20	7
Sheets and wire	15	9	9
do. (alloys)	90	123	128
Nickel sulphate and oxide	75	32	38
Germany—			
Nickel and chrome ores	517	329	616
Crude, scrap and coin	2,843	2,470	1,307
Bars, sheets, wire, etc.	267	280	298
Greece—			
Ore	(b)	(b)	(b)

(b) Not separately recorded in trade returns. Imports into Germany from Greece were as follows:—

1932	14,099 long tons.
1933	26,757 " "
1934	29,229 " "

EXPORTS OF NICKEL (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Hungary—			
Crude, scrap, wire and alloys ..	14	16	13
Italy—			
Sheets, tubes, wire and alloys ..	185	85	112
Scrap	185	188	28
Netherlands—			
Crude and scrap	79	143	216
Norway—			
Ingots	4,024	3,374	5,546
Spain—			
Ingots, sheets, tubes, wire and alloys	13	24	19
Sweden—			
Crude	1	6	4
Switzerland—			
Crude, scrap, and alloys	199	165	284
Bars, sheets, etc., and alloys ..	462	609	515
United States—			
Nickel and alloys	919	674	2,061
Nickel-silver bars, etc.	106	147	237
Brazil—			
Ore	—	305	(a)
New Caledonia—			
Ore	47	2	100
Matte, etc.	3,853	5,884	6,447

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (b)—			
Cubes, rondels, etc.	732	1,110	3,134
Plates, sheets, etc.	78	45	15
Ingots, sheets, etc. (alloys)	782	437	1,231
Nickel oxide	29	35	(a)
Irish Free State—			
Nickel, alloys and manufactures	154	77	9
Union of South Africa—			
Sulphate	5	8	14
Canada—			
Ingots or blocks and alloys	3	307	1
Bars, rods, sheets, etc.	202	91	264
do. (alloys)	35	46	43
British India (total imports)—			
Nickel-silver	747	876	875
Hong Kong (total imports)—			
Nickel	—	1	11
Australia—			
Ingots, sheets, scrap, etc.	50	63	87
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys	471	616	799
Sheets, tubes, etc., and alloys	12	11	20
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc.	5,696	2,159	3,070
Sheets, wire, etc.	87	118	134
Czechoslovakia—			
Crude and scrap	276	427	424
Plates and sheets	38	28	39
Denmark—			
Crude and scrap	20	21	32
Bars, sheets, wire and alloys	91	61	107

(a) Information not available.

(b) Canada records exports to the United Kingdom of nickel contained in ore, matte or speiss as follows :—1932, 2,928 long tons ; 1933, 8,683 long tons ; 1934, 17,724 long tons.

IMPORTS OF NICKEL (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Crude and scrap	1	2	9
France—			
Ore	19	50	—
Matte and speiss	1,916	3,023	4,268
Ingots	976	2,637	1,619
do. (alloys)	129	214	108
Sheets and wire	226	321	270
do. (alloys)	725	670	554
Nickel sulphate and oxide	604	793	907
Germany—			
Ore	17,419	33,968	37,015
Crude, scrap and coin	2,287	4,407	5,303
Bars, sheets, wire, etc.	120	198	133
Greece	2	5	4
Hungary—			
Crude, scrap and alloys	34	73	121
Bars and wire	47	50	89
Italy—			
Ingots, scrap and alloys	962	1,313	1,746
Sheets, tubes, wire, etc., and alloys	92	129	175
Netherlands—			
Crude and scrap	62	159	367
Norway—			
Crude, bars, rods, etc.	18	10	29
Matte (copper-nickel)	4,329	7,151	8,374
Poland—			
Ingots, sheets, scrap, etc.	161	246	302
Portugal	1	2	3
Roumania—			
Crude, sheets and wire	7	9	27
Spain—			
Ingots and cubes	306	227	261
Sheets, tubes, wire and alloys	60	98	82
Sweden—			
Crude	439	572	966
Switzerland—			
Crude, scrap, and alloys	361	702	580
Bars, sheets, etc., and alloys	243	301	352
U.S.S.R. (Russia)—			
Ingots, sheets, etc.	3,896	3,443	4,193

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Yugoslavia—			
Crude, scrap and coin	5	8	9
Bars, sheets, wire, etc.	7	8	20
Algeria—			
Sheets, wire and alloys	2	2	6
Egypt (total imports)—			
Crude, bars, sheets, etc.	17	36	46
United States—			
Ore and matte	2,642	8,445	5,288
Crude, etc., and alloys	6,662	14,109	20,449
Nickel oxide	307	1,037	424
Argentina—			
Sheets	7	9	9
Brazil (total imports)—			
Cubes and sheets	33	28	32
Chile—			
Bars and plates	2	1	11
China	32	84	81
French Indo-China	2	3	1
Japan (total imports)—			
Ingots and grains	1,711	3,139	2,579
Other nickel	104	68	18
Netherlands East Indies—			
Crude, etc., and alloys	2	3	2
Philippine Islands	2	4	1
Siam	1	2	2
Turkey—			
Nickel and alloys	7	(a)	(a)

(a) Information not available.

NITROGEN COMPOUNDS

PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
India—			
Nitrate of potash (estimated) ..	9,000	9,900	9,000
FOREIGN COUNTRIES			
Spain—			
Nitrified earth	738	1,000	(a)
Egypt—			
Nitrate shale (5% nitrate) (b) ..	1,556	—	8,245
Chile (years ended June 30)—			
Nitrate of soda	443,000	528,000	1,115,000
China (estimated)—			
Nitrified earth	6,000	6,000	6,000

A small amount of nitrate of soda is also produced in Peru.

(a) Information not available.

(b) One company only.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS.*

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Great Britain—			
Ammonium salts expressed as sulphate (25½% NH ₃) (b) ..	765,400	687,500	605,200
Irish Free State—			
Ammonium sulphate	2,000	2,000	2,000
Union of South Africa—			
Ammonium sulphate	228	10	—
Canada—			
Ammonium sulphate	51,580	73,691	68,062
Ammonium phosphate (c) ..	10,895	4,319	(a)
Cyanamide (c)	35,008	48,155	(a)
India (coke ovens)—			
Ammonium sulphate	9,474	9,885	11,784
Australia—			
Ammonium sulphate	12,312	13,272	16,500
FOREIGN COUNTRIES			
Austria—			
Ammonium sulphate	6,336	6,394	6,109
Ammonium carbonate	110	88	69
Aqueous ammonia	756	874	642
Ammonia liquor	219	183	181
Belgium—			
Ammonium sulphate	251,000	236,000	246,000
Cyanamide (estimated)	11,000	12,000	13,000
Lime ammonium nitrate	22,200	24,000	(a)
Czechoslovakia—			
Ammonium sulphate	27,538	31,445	36,740
Cyanamide	20,829	18,041	20,231
“Ostrava” nitrate	2,384	8,802	11,676
Nitrate of lime	20,631	16,497	21,967
Denmark—			
Ammonium sulphate	295	342	334
Finland—			
Ammonia and ammonium sulphate	136	158	(a)

* Includes by-product ammonium sulphate which is separately recorded on pages 85–88 as far as available.

(a) Information not available.

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

1932	612,000	long tons.
1933	562,000	“ ”
1934	424,000	“ ”

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

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS
(Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—			
Saar—			
Ammonium sulphate	19,088	20,423	22,701
Other districts—			
Ammonium sulphate	363,808	350,000	(a)
Cyanamide	46,113	45,000	50,000
Nitrate of soda	5,564	(a)	(a)
Nitrate of lime	63,772	(a)	(a)
Amonitre	17,338	(a)	(a)
Nitropotasse	6,138	(a)	(a)
Germany (b)—			
Cyanamide	317,000	400,000	(a)
Ammonia products—			
Coke-ovens	281,000	293,874	(a)
Gas-works	(a)	12,600	(a)
Hungary—			
Ammonium sulphate	1,223	1,422	(a)
Anhydrous ammonia	42	(a)	(a)
Aqueous ammonia	394	(a)	(a)
Italy—			
Ammonium sulphate	122,744	103,342	126,029
Cyanamide	76,667	134,434	143,276
Nitrate of soda	505	12,094	17,844
Nitrate of lime	64,156	76,037	92,830
Nitrate of ammonia (pure 33–35 N.)	7,046	11,691	} 30,860
do. (gran. 15–16 N.)	1,642	4,761	
Ammonium sulphate nitrate	757	858	918
Di-ammonium phosphate	10,877	16,393	20,353
Netherlands—			
Ammonium sulphate	415,950	378,850	247,158
Norway (years ended June 30)—			
Cyanamide	25,998	19,926	(a)
Nitrate of ammonia	3,730	2,406	(a)
Nitrate of lime	291,849	343,598	(a)
Nitrate of soda	53,804	81,842	(a)
Ammonia	75	(a)	(a)
Nitrate of lime and magnesia	469	(a)	(a)
Nitamonkalk	7,332	42,559	(a)

(a) Information not available.

(b) The sales (unofficial) of the Nitrate Syndicate were:—

1932	453,900 long tons.
1933	448,700 „ „

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS
(Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Ammonium sulphate	50,955	56,318	60,187
Ammonium carbonate	(a)	(a)	376
Ammonium chloride	(a)	5,362	5,274
“ Wapnamon ”	2,050	(a)	3,665
Cyanamide	8,479	9,958	32,086
Nitrate of soda	6,932	7,476	6,011
Saletzak	36,669	19,821	10,749
Nitrophos	6,816	5,895	2,852
Nitrate of ammonia	2,310	2,496	3,414
Nitrate of lime	30,976	30,567	34,658
Other nitrogen compounds ..	(a)	28,505	(a)
Roumania—			
Ammonium sulphate	20	4	(a)
Spain—			
Ammonium sulphate	11,369	12,010	(a)
Ammonia	2,140	2,083	(a)
Sweden—			
Nitrogen fertilisers (<i>N content</i>)—			
Synthetic	5,507	5,918	(a)
By-product	907	957	(a)
Ammonia	661	(a)	(a)
Switzerland—			
Ammonium sulphate	1,031	895	(a)
Cyanamide (estimated)	2,000	8,000	(a)
Yugoslavia—			
Cyanamide	21,000	26,000	(a)
United States—			
Sulphate equivalent of ammonia produced (coke-ovens)	317,953	375,261	428,491
do. (synthetic)	386,000	(a)	(a)
Japan—			
Ammonium sulphate	455,954	495,000	(c) 790,027
Cyanamide (b)	155,000	199,700	(a)
Korea—			
Ammonium sulphate	217,355	243,118	(c)
“ Manchoukuo ”—			
Ammonium sulphate	21,465	(a)	(a)

(a) Information not available.

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

(c) Figure includes Korea.

ESTIMATED WORLD PRODUCTION AND CONSUMPTION OF NITROGEN

(In terms of pure Nitrogen)

(Long tons)

Production.	1932	1933	1934
By-product sulphate of ammonia ..	280,000	282,000	(a)
Synthetic sulphate of ammonia ..	541,000	550,000	(a)
Cyanamide	152,000	181,000	(a)
Nitrate of lime	98,000	112,000	(a)
Other forms of synthetic nitrogen (b)	405,000	487,000	(a)
Other forms of by-product nitrogen (b)	35,000	42,000	(a)
Chilean nitrate of soda	120,000	78,000	(a)
Total production	1,631,000	1,732,000	(a)
Consumption.			
Manufactured nitrogen	1,518,000	1,660,000	(a)
Chilean nitrate of soda	133,000	144,000	(a)
Total consumption	1,651,000	1,804,000	(a)
Agricultural consumption .. <i>about</i>	1,499,000	1,625,000	(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.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	994	1,146	1,682
Nitrate of soda	22,266	17,610	7,897
Nitrate of lime	6	36	18
Ammonium sulphate	419,871	324,135	286,393
Ammonium chloride	4,266	4,275	4,234
Ammonium nitrate	2,469	3,143	8,030
Canada—			
Ammonium sulphate	34,590	55,699	51,522
British India—			
Nitrate of potash	8,289	9,477	8,314
Ammonium sulphate	303	1,313	2,951
British Malaya (including re-exports)—			
Nitrate of potash	185	226	395
Other nitrogen fertilizers	53	253	1,481
Hong Kong (including re-exports)—			
Nitrate of potash	72	132	541
Ammonium sulphate	72,868	63,846	28,878
Ammonium chloride	52	178	178
Nitrate of soda	—	20	—
Australia—			
Ammonium sulphate	1	65	49
New Zealand—			
Liquid ammonia (<i>£ New Zealand</i>)	(£127)	(£40)	(£9)
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash	305	242	328
Ammonium sulphate	44	4,233	—
Liquid ammonia	9	11	12
Belgium-Luxemburg E.U.—			
Nitrate of potash	260	1,243	275
Nitrate of soda	7,512	22,293	5,551
Nitrate of lime	2,221	85	134
Ammonium sulphate	159,241	128,594	118,493
Ammonium chloride	86	45	40

EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—(cont.)			
Ammonium nitrate	404	1,409	954
Cyanamide	177	47	264
Liquid ammonia	177	228	181
Czechoslovakia—			
Nitrate of potash	24	25	15
Nitrate of soda	36	—	14
Ammonium sulphate	1,778	290	399
Ammonium chloride	83	47	53
Liquid ammonia	2	—	—
France—			
Nitrate of potash—			
Natural	485	575	1,573
Synthetic	1,732	1,518	
Nitrate of soda	881	1,332	943
Nitrate of lime	2,987	933	963
Ammonium nitrate	252	57	(a)
Ammonium sulphate	13,226	19,269	26,567
Cyanamide	346	592	305
Liquid ammonia	169	162	209
Germany—			
Nitrate of potash	27,982	23,332	22,746
Nitrate of soda	155,330	28,265	34,785
Nitrate of lime, etc.	4,346	7,883	15,800
Ammonium sulphate	380,435	447,441	365,900
Ammonium chloride	11,274	20,937	23,692
Ammonium nitrate, etc.	1,978	19,277	10,543
Cyanamide	62	45	52
Liquid ammonia	1,114	396	2,199
Hungary—			
Nitrate of soda	23	—	—
Ammonium sulphate	552	14,547	18,321
Liquid ammonia	13	3	11
Italy—			
Nitrate of potash	1	1	1
Nitrate of soda	11	2	14
Nitrate of lime	381	17	26
Ammonium nitrate	8	20	96
Ammonium sulphate	33,414	10,066	3,166
Cyanamide	17	17	10
Liquid ammonia	20	6	5

(a) Information not available.

EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Nitrate of potash	115	44	74
Nitrate of soda	8,615	4,808	609
Nitrate of lime	167	6	82
Ammonium sulphate	353,850	293,912	239,126
Ammonium chloride	9	6	4
Ammonium nitrate, etc.	5	51	31
Cyanamide	169	327	346
Norway—			
Nitrate of soda	62,557	58,301	47,879
Nitrate of lime	307,088	391,572	382,506
Ammonium nitrate	1,895	2,706	2,551
Cyanamide	23,801	16,968	23,089
Poland—			
Nitrate of potash	—	35	360
Nitrate of soda	1	37	103
Nitrate of lime	6,224	3,246	15,329
Ammonium chloride	819	1,289	946
Ammonium nitrate	476	832	607
Ammonium sulphate	49,259	38,602	40,538
Cyanamide	1,434	492	2,510
Spain—			
Nitrates of potash, soda and lime	2	11	—
Ammonium sulphate	42	17	51
Cyanamide	10	—	—
Sweden—			
Nitrates of potash, soda and lime..	3	4	3
Ammonium sulphate	1,285	—	2
Liquid ammonia	42	62	27
Ammonium nitrate	3	—	—
Switzerland—			
Nitrate of potash (crude)	17,786	19,251	23,618
Nitrates of potash and soda (purified)	1,483	641	771
Ammonium sulphate, etc.	4	10	—
U.S.S.R. (Russia)			
Nitrates of potash and soda	(a)	(a)	17
Ammonium sulphate	(a)	(a)	2,341
Yugoslavia—			
Cyanamide	19,603	25,663	25,096

(a) Information not available.

EXPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Algeria—			
Nitrate of soda	28	1	—
Nitrate of lime	48	—	18
Ammonium sulphate	43	14	23
United States—			
Ammonium sulphate	14,742	14,257	25,629
Other nitrogen fertilizers	175,908	102,505	174,728
Chile—			
Nitrate of soda	239,547	658,663	1,274,466
China—			
Ammonium sulphate	4,887	—	—
Japan—			
Ammonium sulphate	(a)	(a)	1,401
“Manchoukuo”—			
Ammonium sulphate	27,919	33,204	28,280

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	5,631	5,210	6,043
Nitrate of soda	8,815	240	14,108
Nitrate of lime	1,048	1,999	(a)
Ammonium sulphate	5,051	1,778	34
Ammonium chloride	710	1,853	2,137
Ammonium nitrate	360	454	652
Irish Free State—			
Nitrate of potash	183	212	261
Nitrate of soda	1,220	985	1,379
Ammonium sulphate	29,884	23,515	17,640
Mauritius—			
Nitrate of potash	2,897	4,342	3,439
Nitrate of soda	—	197	542
Ammonium sulphate	7,949	13,253	6,096
Nitrate of lime	20	240	(a)
Nitrophoska	200	200	(a)
Ammophos	492	492	(a)
Northern Rhodesia—			
Nitrates	86	127	(a)
Southern Rhodesia—			
Nitrates	50	81	74
Union of South Africa—			
Nitrate of potash	168	25	99
Nitrate of soda	14,677	10,273	18,772
Ammonium sulphate	5,857	7,969	7,421
Ammonium chloride	25	30	30
Ammonium nitrate	94	171	1,887
Liquid ammonia (gallons) ..	5,634	1,667	3,820
Canada—			
Nitrate of potash	331	298	915
Nitrate of soda	16,548	14,095	23,278
Ammonium sulphate	12,331	3,711	9,863
Ammonium chloride	714	720	908
Ammonium nitrate	635	170	1,673
British West Indies—			
Barbados—			
Nitrate of soda	27	87	343
Ammonium sulphate	6,283	7,232	4,535
Trinidad and Tobago—			
Ammonium sulphate	2,854	4,539	5,151

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British India (total imports)—			
Nitrate of soda	1,767	1,970	3,737
Ammonium sulphate	32,640	32,875	37,350
Ammonium phosphate	791	975	9,660
Other ammonium salts	2,023	1,978	2,408
Other nitrogen fertilizers.. ..	505	702	817
British Malaya (total imports)—			
Nitrate of potash	224	259	467
Other nitrogen fertilizers	53	253	3,100
Ceylon—			
Nitrate of potash refuse	1,974	873	1,969
Nitrate of soda	—	49	641
Ammonium sulphate	13,426	9,400	18,397
Cyanamide.. ..	657	200	200
Cyprus—			
Ammonium chloride	—	4	4
Hong Kong (total imports)—			
Nitrate of potash	751	783	895
Ammonium sulphate	83,181	79,419	18,731
Ammonium chloride	147	390	309
Nitrate of soda	30	128	72
Australia—			
Nitrate of potash	411	453	445
Nitrate of soda	1,818	4,578	4,219
Ammonium chloride	779	910	1,028
Ammonium sulphate	15,168	16,187	12,113
New Zealand—			
Nitrate of potash	77	69	77
Nitrate of soda	1,720	1,026	1,217
Ammonium sulphate	6,234	3,593	4,280
Ammonium chloride	41	30	72
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash	1	4	26
Nitrate of soda	1,540	694	3,780
Nitrate of lime	9,391	8,900	10,901
Nitrophoska	2,806	2,964	4,254
Cyanamide	7,495	8,023	6,726
Ammonium nitrate	432	724	763
Ammonium sulphate	486	50	64
Ammonium chloride	143	139	154
Liquid ammonia	6	1	—
" Leuna " nitrate	679	94	125
" Kalkammonsalpeter "	—	4,874	8,982

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Nitrate of potash	1,908	2,174	1,132
Nitrate of soda	14,921	35,304	94,813
Nitrate of lime	12,706	5,674	1,601
Cyanamide	16,772	13,361	10,115
Ammonium sulphate	10,189	286	143
Ammonium chloride	1,135	1,205	1,500
Ammonium nitrate	576	266	72
Bulgaria—			
Nitrate of potash	93	67	68
Nitrate of soda	1	2	11
Ammonium nitrate, etc.	163	107	199
Ammonium chloride	112	69	76
Liquid ammonia	6	21	19
Czechoslovakia—			
Nitrate of potash	2	—	1
Nitrate of soda	7,360	13,468	11,355
Nitrate of lime	29	3,937	—
Ammonium sulphate	9	6	1
Ammonium chloride	12	9	14
Cyanamide, etc.	29	24	8
Liquid ammonia	2	—	—
Denmark—			
Nitrate of potash	1,674	1,172	666
Nitrate of soda	37,859	33,808	54,904
Nitrate of lime	76,293	93,801	97,446
Ammonium sulphate	52,520	40,084	36,774
Ammonium chloride	383	353	371
Cyanamide	939	813	2,066
Nitrophoska	915	1,247	1,078
Estonia—			
Nitrate of potash	21	15	17
Nitrate of soda	590	1,362	1,339
Nitrate of lime	702	167	788
Ammonia sulphate	424	51	333
Ammonium chloride	12	10	11
Cyanamide	(a)	(a)	291
Nitrophoska	208	60	234
Finland (total imports)—			
Nitrate of potash	40	60	39
Nitrate of soda	209	131	3,692
Nitrate of lime	9,666	17,280	19,520

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Finland (total imports)—(<i>cont.</i>)			
Ammonium nitrate	276	246	266
Ammonium sulphate	1,299	2,127	2,105
Ammonium chloride	21	21	31
Liquid ammonia	37	36	27
France—			
Nitrate of potash	9	1	1
Nitrate of soda	299,408	131,588	129,572
Nitrate of lime	7,680	97,098	2,388
Ammonium nitrate	386	267	438
Ammonium sulphate	4,438	2	23
Cyanamide	30	—	—
Liquid ammonia	22	26	30
Germany—			
Nitrate of soda	54,342	—	105,408
Ammonium sulphate	11,414	8,501	12,435
Ammonium chloride	4	12	20
Ammonium nitrate, etc.	9,362	5	1
Liquid ammonia	151	122	218
Greece—			
Nitrate of potash	75	85	87
Nitrate of soda	678	1,177	1,694
Ammonium nitrate	(a)	240	172
Ammonium sulphate	(a)	7,566	8,602
Hungary—			
Nitrate of soda	104	108	169
Ammonium sulphate	45	32	5
Cyanamide	42	292	286
Liquid ammonia	84	158	56
Iceland—			
Nitrate of potash	5	6	(a)
Nitrate of lime	1,611	1,909	(a)
Nitrophoska	689	524	(a)

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—			
Nitrate of potash	1,060	1,137	583
Nitrate of soda	29,262	38,576	32,737
Ammonium sulphate	306	40	31
Ammonium chloride	353	154	110
Cyanamide	3,882	4,393	4,352
Latvia—			
Nitrate of potash	41	51	73
Nitrate of soda	1,519	8,153	7,701
Nitrate of lime	1,683	4,758	4,133
Nitrophoska	888	733	690
Ammonium sulphate	833	2,809	787
Ammonium chloride	16	15	18
Ammonium nitrate	21	31	37
Lithuania—			
Nitrate of potash	100	19	18
Nitrate of soda	782	1,922	4,163
Nitrate of lime	897	1,477	2,046
" Leuna " nitrate	24	33	30
Nitrophoska	3	1	—
Ammonium sulphate	905	834	911
Netherlands—			
Nitrate of potash	1,363	1,951	1,317
Nitrate of soda	26,788	42,897	43,661
Nitrate of lime	13,744	43,562	21,149
Ammonium sulphate	137,696	142,168	65,884
Ammonium chloride	386	221	329
Ammonium nitrate	(a)	(a)	1,434
Cyanamide	11,284	11,974	14,417
" Kalkammonsalt peter "	6,497	45,523	15,320
Norway—			
Nitrate of potash	94	104	143
Nitrate of soda	38	11	20
Nitrophoska	873	613	606
Ammonium sulphate	204	132	132
Ammonium nitrate	(a)	2	30
Poland—			
Nitrate of potash	197	—	1
Nitrate of soda	88	—	10
Ammonium sulphate	2,125	1,886	1,210
Ammonium chloride	19	4	6
Cyanamide	—	33	—

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Nitrate of potash	281	343	219
Nitrate of soda	2,550	3,070	5,688
Nitrate of lime	30	555	367
Ammonium sulphate	38,140	39,400	52,245
Ammonium chloride	28	31	25
Ammonium nitrate	—	54	97
Cyanamide	1,882	2,092	2,478
Roumania—			
Nitrate of potash	44	73	78
Nitrate of soda	235	278	381
Ammonium nitrate	161	382	417
Ammonium sulphate	253	243	460
Ammonium chloride	260	325	354
Liquid ammonia	100	128	161
Spain—			
Nitrate of soda (Chilean)	66,688	54,395	153,387
Nitrates of potash, soda and lime	56,141	65,546	64,557
Ammonium sulphate	433,399	284,550	327,435
Cyanamide	1,603	1,094	770
Sweden—			
Nitrate of potash	456	396	434
Nitrate of soda	18,565	20,341	35,140
Nitrate of lime	42,151	40,615	43,273
Ammonium nitrate	50	55	74
Ammonium sulphate	21,316	18,849	23,861
Ammonium chloride	374	311	351
Liquid ammonia	2	4	9
Switzerland—			
Nitrate of potash, crude	1,139	236	2
Nitrate of soda (Chilean)		1,752	786
Nitrates of potash and soda, purified	287	528	672
Ammonium sulphate, etc.	1,311	2,349	162
Ammonium chloride	211	207	187
Liquid ammonia	58	7	6
U.S.S.R. (Russia)—			
Nitrate of potash	1,352	298	—
Nitrate of soda	779	195	—

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Nitrate of potash	13	11	20
Nitrate of soda	985	1,474	30
Ammonium sulphate	203	203	253
Ammonium chloride	103	98	135
Ammonium nitrate	590	1,093	1,594
Liquid ammonia	169	135	205
Algeria—			
Nitrate of potash	312	95	49
Nitrate of soda	550	1,111	(a)
Nitrate of lime	319	1,051	568
Ammonium sulphate	6,953	8,819	7,271
Cyanamide	231	503	245
Liquid ammonia	53	46	38
Canary Islands (total imports)—			
Nitrate of soda (Chilean)	—	862	(a)
Nitrates of potash, soda and lime	1,171	3,455	(a)
Ammonium sulphate	26,176	19,367	(a)
Egypt—			
Nitrate of soda	75,349	101,375	180,479
Nitrate of lime	112,608	125,353	144,291
Ammonium sulphate	9,057	13,146	10,047
Ammonium chloride	338	342	383
Cyanamide	443	197	495
Sulphonitrate of ammonia	8,072	9,597	9,815
Ammonium nitrate	1	98	2,706
Morocco—			
Nitrogen fertilizers	1,111	956	730
Réunion—			
Ammonium sulphate	1,445	2,441	(a)
Tunis—			
Nitrate of potash	17	52	35
Nitrate of soda	227	118	168
Nitrate of lime	—	10	118
Ammonium sulphate	271	147	302
Madagascar—			
Nitrate of potash	25	84	154
Nitrate of soda	85	58	30
Ammonium sulphate	142	199	158
Cyanamide	65	12	22
Martinique—			
Nitrates of potash	1,564	266	} (a)
Nitrate of soda	649	266	
Ammonium sulphate	1,480	2,863	

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Nitrates of potash and soda ..	1,897	4,426	6,196
Ammonium sulphate	47	159	1,051
Ammonium chloride	86	151	148
United States—			
Nitrate of potash	17,927	26,429	32,764
Nitrate of soda	49,324	121,159	292,435
Nitrate of lime	6,860	17,312	31,904
Ammonium sulphate	307,311	351,254	185,301
Ammonium chloride	1,978	2,814	2,750
Cyanamide	62,543	63,842	82,458
Ammonium nitrate	2,864	3,527	2,282
Argentina—			
Nitrate of potash	172	110	126
Nitrate of soda	1,066	1,817	2,152
Ammonium sulphate	2	16	32
Liquid ammonia	21	22	16
Brazil (total imports)—			
Nitrate of potash	2,966	2,568	3,445
Liquid ammonia	111	149	101
Chile—			
Liquid ammonia	17	13	14
Ammonium chloride, etc... ..	294	186	554
Peru—			
Liquid ammonia	28	53	40
Venezuela—			
Nitrate of potash	52	(a)	(a)
China—			
Nitrate of potash	1,532	1,029	773
Nitrate of soda	428	2,165	1,630
Ammonium sulphate	111,008	99,655	49,160
Ammonium chloride	409	715	519
Liquid ammonia	41	30	36
Formosa—			
Ammonium sulphate	89,660	96,711	(a)
Ammophos	741	—	(a)
French Indo-China—			
Nitrate of potash	30	51	63
Nitrate of soda	242	4	2
Ammonium sulphate	392	853	858
Liquid ammonia, etc.	7	9	6
Cyanamide	(a)	(a)	781

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Japan (total imports)—			
Nitrate of soda	23,382	34,350	39,175
Ammonium sulphate	116,860	106,523	158,360
Ammonium chloride	1,780	1,355	925
Korea—			
Ammonium sulphate	55	14	21
Cyanamide	(a)	(a)	30,838
“Manchoukuo”—			
Nitrate of potash	129	48	11
Nitrate of soda	788	1,090	1,101
Ammonium sulphate	4,953	53	620
Netherlands East Indies—			
Nitrate of potash	49	63	140
Nitrate of soda	38	30	34
Ammonium sulphate	74,528	28,931	42,885
Ammonium chloride	8	8	22
Liquid ammonia	241	311	501
Philippine Islands—			
Ammonium sulphate	33,436	38,319	57,293
Anhydrous ammonia	(£5,400)	(£3,900)	(£5,300)
Syria and Lebanon—			
Nitrates	400	405	1,139
Turkey—			
Liquid ammonia and ammonium chloride	253	(a)	(a)

(a) Information not available.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (c) (estimated) ..	119,000	118,000	119,000
Canada (b)	132,204	144,979	178,594
Barbados	596	574	480
Trinidad (b)	1,387,140	1,309,775	1,492,378
British Borneo—			
Brunei (exports)	176,275	280,523	371,591
Sarawak	335,287	321,299	278,037
India (b)	1,191,529	1,181,502	1,243,341
New Zealand	931	693	636
Australia (Victoria)	80	80	23
Total ..	3,340,000	3,360,000	3,680,000
FOREIGN COUNTRIES			
Austria	118	842	4,113
Czechoslovakia	18,201	17,495	25,561
Estonia (c)	36,017	37,617	46,137
France	73,441	88,654	76,613
Germany	226,107	234,819	309,645
Greece	500	—	(a)
Italy (c)	28,100	26,107	20,007
Poland	547,894	541,976	520,849
Roumania	7,232,264	7,260,101	8,335,103
Spain (c)	5,846	5,164	(a)
U.S.S.R. (Russia)	21,038,200	21,287,000	25,100,000
Yugoslavia	284	498	471
Algeria	877	551	367
Egypt	266,515	233,970	217,532
Morocco (French zone)	266	552	547

(a) Information not available.

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

(c) Including shale-oil.

PRODUCTION OF CRUDE PETROLEUM—(Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES			
—(Cont.)			
Mexico (b)	4,970,530	5,151,641	5,783,628
United States (b)	106,102,600	122,385,900	122,711,486
Argentina (d)	1,847,153	1,924,731	1,971,736
Bolivia	6,300	(a)	(a)
Colombia (b)	2,312,002	1,852,975	2,441,958
Ecuador	280,058	231,415	234,145
Peru	1,381,820	1,837,673	2,124,189
Venezuela	16,815,380	17,020,071	20,385,588
China (c)	327	313	(a)
Formosa (b)	4,984	5,204	5,008
Iran (Persia)	6,445,808	7,086,706	7,537,372
Iraq	113,000	113,000	1,015,195
Japan (b)	221,282	202,549	256,757
"Manchoukuo"	74,317	87,078	(a)
Netherlands East Indies	5,012,725	5,440,019	5,959,104
Total	175,000,000	193,000,000	205,000,000
WORLD'S TOTAL	178,000,000	196,000,000	209,000,000

(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, Formosa 7·0, Japan 7·2.

(c) Including shale-oil.

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

PRODUCTION OF NATURAL GAS

(Thousand cubic feet)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (estimated)	7,000	7,000	7,000
Canada	23,420,174	23,138,103	23,164,324
British Borneo (Brunei)	(a)	(a)	792,454
FOREIGN COUNTRIES			
Austria	2,212	2,356	535,447
Czechoslovakia	31,806	40,941	(a)
France.. ..	8,530	(a)	(a)
Hungary	20,218	69,476	(a)
Italy	454,835	486,731	529,394
Poland	15,432,568	16,322,818	16,560,688
Roumania	51,419,625	52,969,062	(a)
U.S.S.R. (Russia) (<i>long tons</i>).. ..	882,700	1,082,400	(a)
Yugoslavia	58,691	33,211	35,315
Mexico	9,068,721	11,046,923	(a)
United States.. ..	1,555,990,000	1,555,474,000	(a)
Japan	1,810,449	1,656,886	(a)
Netherlands East Indies (<i>long tons</i>)	881,768	1,000,277	1,066,990

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural gas are collected by only a few countries. Argentina, Colombia, Venezuela, and the Philippine Islands are amongst other producing 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.	1932	1933	1934
BRITISH EMPIRE			
Barbados (exports of manjak) ..	—	24	27
Trinidad	107,457	111,337	92,829
FOREIGN COUNTRIES			
Italy	417	301	313
Poland (ozokerite)	639	362	154
Roumania(ozokerite)	4	—	—
Cuba	5,218	4,896	(a)
United States (sales)—			
Gilsonite	23,174	25,026	27,103
Wurtzilite	22	32	39
Venezuela	6,626	(a)	(a)
Iraq	(a)	8,000	(a)
Philippine Islands	—	5,445	(a)

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

(a) Information not available.

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES			
Czechoslovakia	136	335	(a)
France	51,612	36,994	30,932
Germany	32,800	43,168	64,418
Italy	126,278	48,861	133,060
Spain	6,200	6,722	(a)
Switzerland (exports)	6,831	5,286	6,163
Yugoslavia	125	141	115
United States (sales)	280,392	254,527	366,476
Netherlands East Indies	837	6,667	6,221
Syria.. .. .	13,300	14,370	8,912

NOTE.—Asphalt rock is also produced in U.S.S.R. (Russia).

(a) Information not available.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	1,368,596	1,396,988	1,400,775
Australia	3,788	3,401	3,476
FOREIGN COUNTRIES			
Austria	316	213	405
Estonia	493,880	499,969	579,656
France (including boghead coal)	89,956	(a)	(a)
Germany (Bavaria)	398	552	888
Italy	7,163	10,875	4,642
Spain	63,119	59,493	(a)
"Manchoukuo"	1,390,245	(a)	(a)

NOTE.—Oil-shale is also produced in Russia and China.

(a) Information not available.

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom*—			
Motor spirit	522,364	489,761	474,751
Other spirit	55,961	67,875	79,964
Kerosene	156,353	139,578	125,349
Gas oil	141,854	178,288	205,473
Fuel and diesel oil	636,476	566,692	533,680
Lubricating oil	76,296	76,248	98,816
Other oils	21,068	40,852	572
Solid products	376,321	402,297	488,203
Canada*—			
Motor spirit	1,311,268	1,386,678	1,513,945
Other spirit	59,612	111,538	118,996
Kerosene	191,000	178,285	137,244
Gas oil	} 1,465,096	353,265	392,328
Fuel oil		1,410,271	1,474,958
Lubricating oil	60,576	68,999	75,906
Grease	4,299	3,723	4,447
Paraffin wax and candles	4,105	4,017	4,757
Coke	65,237	66,719	55,143
Asphalt	104,919	98,308	116,293
Barbados—			
Motor spirit	330	420	290
Kerosene	740	660	490
Fuel oil	3,290	4,530	3,360
India*—			
Motor fuel	223,000	231,214	259,715
Kerosene, etc.	581,000	561,919	610,016
FOREIGN COUNTRIES			
Austria—			
Motor spirit	67,047	79,563	(a)
Kerosene	33,918	40,643	(a)
Gas-oil	14,042	17,284	(a)
Czechoslovakia—			
Motor spirit	202,285	153,822	155,480
Kerosene	70,032	69,184	72,498
Gas oil	26,351	24,555	33,086
Lubricating oil	27,930	22,560	24,696
Paraffin wax	630	678	630
Estonia—			
Motor spirit	(b) 4,143	(b) 4,913	5,735
France—			
Motor spirit	318,424	747,654	1,315,617
White spirit	—	—	7,826
Other spirit	(a)	76,612	233,450
Kerosene	47,247	114,874	142,385

* See note on page 272.

(a) Information not available.

(b) One company only.

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Gas oil	93,553	261,736	291,718
Fuel oil	185,254	672,048	1,456,670
Lubricating oil	59,318	123,939	222,111
Road oil	143,255	217,875	247,527
Paraffin wax	732	2,182	2,751
Coke	6,401	9,217	10,592
Germany—			
Motor spirit (b)	408,700	} (a)	(a)
Kerosene	19,900		
Gas oil, etc.	144,200		
Lubricating oil	296,100		
Paraffin wax, jelly, etc.	11,800		
Other products	287,200		
Hungary—			
Motor spirit	(a)	43,866	43,640
Other light oils	(a)	22,243	26,800
Fuel oil	(a)	53,688	56,100
Lubricating oil	(a)	7,775	8,622
Paraffin wax, jelly, etc.	(a)	4,000	6,100
Italy—			
Motor spirit	154,395	160,446	123,808
Other spirit	32,125	41,519	37,250
Gas oil and diesel oil	23,018	22,323	36,775
Fuel oil	125,445	136,588	74,344
Lubricating oil	21,592	24,703	20,679
Other heavy oils	1,834	2,599	2,773
Paraffin wax	645	763	528
Coke	31,157	33,880	36,815
Residuum	11,455	13,125	11,689
Latvia—			
Motor spirit	256	722	1,539
Kerosene	302	1,180	1,602
Lubricating oils	836	889	3,083
Fuel oil, etc.	801	960	1,886
Poland—			
Motor spirit	89,902	89,260	83,657
Kerosene	157,848	171,580	169,044
Gas oil	103,691	99,841	81,345
Lubricating oil	72,492	79,083	84,322
Greases	3,082	3,058	2,616
Paraffin wax	27,106	28,779	27,858
Coke	7,586	6,613	4,925
Asphalt	18,836	21,834	22,475
Candles	259	323	136
Other products	13,325	11,983	1,055

(a) Information not available.

(b) Includes some motor spirit distilled from coal.

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Motor spirit	1,594,218	1,585,219	1,742,712
White spirit	131,048	112,200	293,084
Kerosene	1,052,369	1,024,285	1,034,531
Gas oil	1,041,479	1,143,793	1,222,958
Fuel oil (b)	2,269,660	2,409,441	2,752,886
Lubricating oil	71,439	72,256	74,259
Paraffin wax	7,134	8,097	7,407
Coke	19,666	21,218	30,594
Asphalt	37,938	58,371	82,887
Other products	484	18,161	12,867
Sweden—			
Motor spirit	6,838	10,990	(a)
Kerosene	1,051	2,321	(a)
Asphalt	12,129	16,140	(a)
U.S.S.R. (Russia)—			
Motor spirit	2,835,900	2,613,500	2,741,400
Kerosene	3,504,100	3,805,800	4,414,000
Gas oil	703,400	861,500	(a)
Fuel oil	8,395,600	6,353,500	(a)
Lubricating oil	669,300	1,115,000	(a)
Asphalt	106,600	143,900	(a)
Paraffin wax	15,100	18,400	(a)
Egypt—			
Motor spirit	88,132	84,205	77,025
Kerosene	19,498	15,877	26,329
Gas oil	13,196	11,144	19,319
Fuel oil	156,787	126,060	96,748
Diesel oil	3,908	11,802	12,242
Asphalt	57,269	47,872	57,637
Cuba (c)—			
Motor spirit	40,000	30,000	40,000
Kerosene	18,000	18,000	18,000
Gas oil and diesel oil	12,000	12,000	13,000
Lubricating oil	2,000	2,000	2,000
Asphalt	700	1,300	3,900

(a) Information not available.

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

1932	460,813 long tons.
1933	494,693 " "
1934	408,782 " "

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

1932	1,500 long tons.
1933	1,500 " "
1934	3,000 " "

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Motor spirit	538,525	786,525	991,076
Kerosene	219,673	191,545	252,133
Fuel oil	1,879,792	2,366,979	2,969,539
Gas oil	244,192	351,885	408,881
Lubricating oil	80,920	69,720	68,800
Paraffin wax	30,682	19,777	23,691
Coke	1,955	3,391	1,845
Asphalt	138,803	149,031	285,155
United States* (b)—			
Motor spirit	45,055,090	46,084,213	47,844,656
Kerosene	5,579,127	6,233,436	6,854,273
Gas oil and fuel oil distillates	9,725,380	11,048,800	13,296,080
Residual fuel oil	32,853,771	34,638,188	35,055,513
Lubricants	3,140,620	3,328,500	3,692,220
Paraffin wax	204,875	209,625	209,250
Coke	1,597,143	1,410,744	1,160,714
Asphalt	2,209,732	2,192,903	2,536,157
Road oil	963,060	774,760	869,400
Argentina—			
Kerosene	117,228	111,031	(a)
Motor spirit	564,773	539,247	(a)
Fuel oil	1,033,722	1,008,826	(a)
Gas oil and diesel oil	210,394	238,377	(a)
Lubricating oil	17,700	32,700	(a)
Asphalt	8,200	10,000	(a)
Colombia—			
Motor spirit	30,305	33,977	46,349
Other spirit	13	33	103
Kerosene	8,031	8,426	12,929
Gas oil	4,583	5,034	12,191
Fuel oil	89,708	67,591	129,651
Lubricating oil	2,884	2,227	2,752
Asphalt	1,002	3,469	2,874
Ecuador—			
Motor spirit	} (a) }	6,546	7,596
Kerosene		1,706	3,217
Diesel oil		2,930	4,769
Gas oil		558	611
Lubricating oil		147	354
Residuum		12,913	13,415

* See note on page 272.

(a) Information not available.

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

1932	4,163,400 long tons.
1933	3,879,900
1934	4,195,000

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

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Peru—			
Motor spirit	289,705	298,667	316,907
Kerosene	82,300	66,003	74,266
Gas oil	—	47,879	73,213
Fuel oil	256,097	275,208	298,275
Lubricating oil	3,933	4,478	5,499
Coke	322	326	367
Asphalt	323	572	1,235
Venezuela—			
Motor spirit	99,063	97,158	105,135
Kerosene	1,663	2,916	3,794
Gas oil	58,839	68,414	67,479
Fuel oil	706,745	798,838	899,696
Refined oils	5,470	2,997	4,675
Other products	1,736	3,116	5,030
Formosa—			
Motor spirit	7,045	7,152	8,714
Kerosene	1,799	1,537	1,597
Other light oils	518	272	232
Fuel oil	230	440	448
Lubricating oil	52	203	91
Iraq—			
Motor spirit	(b) 14,000	(b) 21,000	12,717
Kerosene	(b) 15,000	(b) 15,000	15,533
Fuel oil	—	—	56,529
Japan—			
Motor spirit	267,090	285,649	352,772
Kerosene	70,415	62,153	60,598
Fuel oil	57,495	97,639	207,219
Lubricating oil	146,015	168,562	194,528
Other light oils	161,282	156,395	144,520
Liquid paraffin	—	2,158	(a)
Paraffin wax	4,507	1,618	(a)
Pitch	25,396	34,087	(a)
Asphalt	51,592	74,518	(a)
"Manchoukuo"—			
Heavy oil	42,592	} (a)	(a)
Paraffin wax	13,678		
Coke	3,540		
Netherlands East Indies—			
Motor spirit	1,299,756	1,426,065	1,497,261
White spirit	—	—	27,114
Kerosene	699,119	715,764	793,662
Gas and fuel oil	1,664,259	1,923,562	1,952,273
Lubricating oil	19,304	22,145	25,225
Impregnating oils	11,115	10,413	6,664
Paraffin wax	47,968	54,289	69,927
Asphalt	7,130	7,519	6,996
Other products	134,251	77,004	144,312

(a) Information not available.

(b) Estimated.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Motor spirit, etc.	123,216	154,901	192,625
Kerosene	32,200	33,535	38,287
Gas oil	34,423	72,350	93,704
Fuel oil	31,486	43,604	40,998
do (bunkers) (b)	754,112	1,025,077	1,470,883
Lubricating oil	28,392	28,332	40,312
Other refined oils	475	329	(a)
Mineral jelly	474	485	281
Paraffin wax	5,931	5,704	3,660
Irish Free State—			
Lubricating oil	29	33	32
Malta—			
Fuel oil and motor spirit (bunkers) (b)	619	1,028	1,039
Kenya and Uganda—(bunkers) (b)			
Motor spirit	38	63	52
Kerosene	3	3	5
Fuel oil	29,357	43,064	45,285
Lubricating oil	11	15	15
Sierra Leone—			
Petroleum (bunkers) (b)	57	38	19
Union of South Africa—			
(Foreign produce, bunkers)			
Motor spirit	1	7	8
Kerosene	5	11	8
Lubricating oil	77	85	90
Fuel oil	39,048	42,790	38,303
Canada—			
Crude petroleum	26,344	38,480	20
Motor spirit	13,801	13,256	15,597
Kerosene, etc.	3,217	3,624	2,845
Mineral wax	1,065	112	118
Other mineral oils	31,691	51,756	51,979

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

(a) Information not available.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British West Indies—			
Barbados—			
Manjak	—	24	27
Trinidad and Tobago (c)—			
Crude petroleum	374,628	160,075	64,294
Motor spirit	222,593	243,241	299,399
Kerosene	7,801	10,497	9,178
Fuel oil	729,963	805,813	992,465
Lubricating oil	49	32	39
Road oil	1,265	1,964	3,801
Asphalt—			
Crude	3,700	—	155
Dried	39,486	44,600	48,730
Cement	8,302	7,389	6,568
Aden (including re-exports)—			
Motor spirit	95	35	88
Kerosene	236	266	185
British Borneo—			
Sarawak—			
Crude petroleum	127,763	128,684	14,319
Motor spirit	94,474	78,990	91,708
Kerosene	50,379	34,415	13,631
Fuel oil	196,422	245,451	433,660
Lubricating oil	40	67	69
Solar oil	50,967	81,134	93,337
Brunei—			
Crude petroleum	176,275	280,523	371,591
Natural gas (1,000 cubic feet) ..	(a)	(a)	792,454
British India—			
Motor spirit, kerosene, etc. ..	16,138	16,848	18,859
Fuel oil (bunkers) (b)	50,515	54,198	59,814
Paraffin wax	47,108	51,763	47,116
British Malaya (including re-exports)—			
Motor spirit	273,002	257,353	320,573
Kerosene	69,608	66,634	53,846
Fuel oil	89,409	82,755	93,537
do. (bunkers)	203,083	158,158	152,087

(a) Information not available.

(b) Foreign produce. See imports.

(c) Including bunkers.

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
British Malaya (including re-exports)—(<i>cont.</i>)			
Lubricating oil	2,511	4,295	4,684
Other petroleum products	132	86	44
Paraffin wax	113	98	128
Asphalt and bitumen	805	384	890
Ceylon (<i>b</i>)—			
Crude petroleum (bunkers)	206,657	221,846	254,039
Hong Kong (including re-exports)—			
Motor spirit	23,416	27,813	27,059
Kerosene	86,345	54,487	12,906
Fuel oil	43,818	58,695	100,155
Diesel oil	23,622	49,798	57,488
Lubricating oil	6,883	5,761	5,805
Other petroleum oils	19	21	73
Greases	178	193	233
Petroleum jelly	76	48	47
Paraffin wax	9,398	10,864	8,030
Australia—			
Motor spirit, etc.	66	135	21
Kerosene	4	7	1
Lubricating oil	21	55	97
Residual and solar oils	17	87	17
Greases	299	95	214
Paraffin wax, etc.	—	15	20
New Zealand—			
Fuel oil (bunkers) (<i>b</i>)	60,147	73,195	77,848
FOREIGN COUNTRIES			
Austria—			
Motor spirit	118	148	124
Kerosene	6	4	6
Lubricating oils and greases	85	36	65
Petroleum jelly and paraffin wax	8	11	3
Ozokerite and ceresin	36	93	100
Asphalt	255	163	347
Petroleum coke	—	151	101

(*b*) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude petroleum	25,799	36,125	29,327
Motor spirit	219	124	76
Kerosene	75	42	43
Lubricating oil	25,148	1,767	2,576
do. (bunkers)	542	321	350
Fuel oil, etc.	23,129	663	14,746
do. (bunkers)	22,085	416	5,792
Other heavy oils	59	11	39
Petroleum jelly	1,256	1,407	1,114
Paraffin wax	3,302	4,696	3,033
Ozokerite and ceresin	123	97	113
Asphalt, bitumen, etc.	3,174	2,395	1,746
Residual asphalt	520	204	20,100
Bulgaria—			
Lubricating oil	2	3	1
Czechoslovakia—			
Motor spirit, etc.	—	13	—
Kerosene, etc.	—	32	40
Lubricating oil, etc.	5,505	3,962	3,060
Paraffin wax	1,377	1,011	63
Ozokerite and ceresin	320	206	241
Asphalt products	144	44	68
Denmark—			
Crude residual oils	100	164	—
Lubricating oil	387	271	306
Paraffin wax, etc.	48	71	89
Estonia—			
Shale oil	3,420	6,082	13,660
Motor spirit	741	1,550	2,046
Oil-shale	—	56	58
Bitumen and tar	344	788	1,424
France—			
Crude petroleum	34	10	5,852
Motor spirit	5,925	16,416	6,804
Kerosene	970	12,763	16,623
Kerosene and motor spirit—			
Bunkers (domestic produce)	297	675	(a)
Bunkers (foreign produce)	13,435	14,854	(a)

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Lubricating oil	2,840	12,582	(c) 109,568
Gas oil	784	27,908	(c) 59,241
Fuel oil	20,880	48,097	(c) 230,973
Road oil, etc.	20,040	23,527	47,647
Petroleum coke, etc.	1,499	1,615	1,708
Heavy and residual oils—			
Bunkers (domestic produce)	24,732	130,732	(a)
Bunkers (foreign produce)	638,241	562,428	(a)
Petroleum jelly	71	58	58
Paraffin wax	13	178	1,327
Ozokerite and ceresin	131	127	129
Asphalt and bitumen	14,774	16,810	16,569
Germany—			
Motor spirit	17,148	7,752	10,742
Kerosene	33	10	36
Gas oil	6,956	3,937	13,966
do. (bunkers for foreign ships)	15,056	27,182	13,930
Fuel oil	1,297	602	785
do. (bunkers for foreign ships)	1,983	4,207	2,143
Lubricating oil	80,381	76,118	71,023
do. (bunkers for foreign ships)	484	110	161
Paraffin wax	286	249	299
Ozokerite, etc.	3,982	4,905	5,207
Asphalt	3,747	3,170	4,341
Hungary—			
Motor spirit	370	806	787
Gas oil	21	4	15
Lubricating oil	489	634	702
Paraffin wax	—	10	11
Asphalt, bitumen and tar	35	3	31
Italy—			
Crude petroleum (c)	365	299	28
Motor spirit (c)	1,957	2,080	3,426
Kerosene (c)	39	37	360
Lubricating oil (c)	8,154	8,771	2,374
Other oils and residues (c)	6,072	2,142	5,489
Paraffin wax	1	2	2
Ceresin	61	68	47
Asphalt and bitumen	33,658	23,350	22,019
Petroleum jelly	8	7	4

(a) Information not available.

(c) Including bunkers for foreign ships.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Fuel oil, etc.	3	5	9
Lubricating oil	138	387	6
Lithuania—			
Motor spirit	9	—	—
Kerosene	36	20	6
Netherlands—			
Crude petroleum	2	4	—
Motor spirit	33	24	31
Kerosene	29	4	1
Gas oil	3,085	329	3,169
do. (bunkers)	22,309	45,529	54,892
Fuel oil	7,787	9,041	12,165
do. (bunkers)	70,522	65,778	135,965
Lubricating oil	770	557	464
Greases	345	27	56
Petroleum jelly	142	613	776
Paraffin wax	4,675	3,612	357
Ozokerite and ceresin	9	12	23
Asphalt	46,112	42,270	50,648
Natural asphalt	212	141	137
Norway—			
Lubricating oils	2,270	2,832	4,165
Asphalt	250	14	39
Poland—			
Motor spirit	35,044	49,311	54,742
Kerosene	36,796	44,655	30,244
Fuel oil and gas oil	37,518	27,748	33,564
Lubricating oils	29,183	31,404	28,358
Greases	127	79	90
Paraffin wax	19,732	21,827	18,303
Ceresin and ozokerite	576	490	229
Petroleum coke	2,274	2,737	1,845
Asphalt and tar	11,833	13,204	6,329
Portugal—			
Fuel oil (bunkers)	11	676	490
Other mineral oils	588	513	503
do. (bunkers)	240	287	301
Roumania—			
Crude petroleum	154,094	233,262	269,765
Motor spirit	1,613,353	1,729,465	1,926,773
Kerosene	906,374	935,783	1,068,290
Fuel oil	2,319,379	2,782,354	3,067,782
Residual oils	57,909	58,424	61,016
Paraffin wax	4,538	5,514	5,413
Tar and pitch	29,894	40,901	43,457

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—(cont.)			
Greases	12	3	1
Asphalt and bitumen	1,317	5	266
Petroleum coke	146	60	1,090
Spain—			
Motor spirit	496	786	68
Kerosene	73	8	8
Gas oil	57	705	953
Fuel oil	1,328	3,414	—
Lubricating oil	35	50	15
Residual pitch	45	—	3
Sweden—			
Motor spirit	221	1,219	1,648
Kerosene	5,359	12,187	17,153
Fuel oil and gas oil	9,335	5,883	6,954
Lubricating oil	1,483	836	674
Other refined oils	5	9	49
Paraffin wax	4	4	2
Asphalt	279	54	52
Pitch	3,223	6,952	5,549
Switzerland—			
Fuel oil	45	26	29
Lubricating oil and grease	136	174	82
Asphalt and bitumen	6,831	5,286	6,163
Paraffin wax and ceresin	7	5	4
U.S.S.R. (Russia)—			
Crude petroleum	517,609	517,218	451,277
Motor spirit	1,941,229	1,240,180	1,102,250
Kerosene	815,687	561,320	428,694
Fuel oil	1,914,374	1,607,827	1,280,319
Gas oil	543,382	567,176	556,601
Diesel oil	(a)	(a)	83,694
Solar oil	44,416	38,824	25,444
Ligroin (naphtha)	44,461	35,318	(a)
Lubricating oil	184,254	236,200	275,057
Ozokerite	390	656	425
Asphalt	11,090	28,994	28,451
Paraffin wax	—	5,445	13,915
Petroleum coke	(a)	(a)	66
Yugoslavia—			
Motor spirit	3	3	4
Lubricating oil	49	14	29
Algeria—			
Crude petroleum	—	1,367	(a)
Motor spirit	3	5	(a)
Kerosene	12	8	(a)

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Algeria—(cont.)			
Gas oil (c)	427	1,068	(a)
Fuel oil (c)	588	3	(a)
Lubricating oils	944	155	(a)
Road oils, etc.	333	47	(a)
Asphalt and bitumen	83	66	(a)
Belgian Congo—			
Motor spirit	411	38	253
Kerosene	98	38	31
Fuel oil	75	159	340
Lubricating oils and greases	135	117	123
Canary Islands (b)—			
Motor spirit	12,832	25,818	(a)
Kerosene	6,218	6,522	(a)
Gas oil	9	9,759	(a)
Fuel oil	41,214	27,850	(a)
Cape Verde Islands—			
Fuel oil (bunkers) (b)	203,000	(a)	(a)
Egypt—			
Motor spirit	61,606	40,263	27,984
Kerosene	729	721	551
Fuel oil	1,342	1,512	1,429
do. (bunkers)	92,361	73,876	61,581
Lubricating oil	60	52	62
Asphalt, etc.	42,823	36,166	46,526
French West Africa (b)—			
Motor spirit (bunkers)	266	(a)	47
Fuel oil (bunkers)	300,815	247,438	286,402
Spanish Africa (b)—			
Ceuta—			
Gas oil	—	6	(a)
Fuel oil	4,209	720	(a)
do. (bunkers)	27,114	33,049	(a)
Lubricating oil	3	16	(a)
Melilla—			
Kerosene	13	107	(a)
Fuel oil	18	—	(a)
Lubricating oil	57	20	(a)
Cuba (including re-exports)—			
Natural asphalt	7,340	7,467	5,704

(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:—

1932	112,191 long tons.
1933	204,595 „ „

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Mexico (c)—			
Crude petroleum	1,476,490	1,703,119	1,787,606
Motor spirit	244,715	259,910	309,781
Kerosene	128,656	72,991	118,970
Fuel oil	1,107,710	822,679	931,441
Gas oil	148,300	194,630	167,532
Lubricating oils	55,671	49,538	47,924
Asphalt	(b) 132,373	136,385	298,018
Netherlands West Indies—			
Crude petroleum	1,069,158	1,184,452	1,203,557
Motor spirit	1,963,729	2,183,078	2,425,138
Kerosene	163,583	280,872	191,027
Gas oil (c)	1,127,990	1,091,510	978,929
Fuel oil (c)	7,851,228	8,132,317	8,813,396
Diesel oil (c)	239,836	451,723	760,547
Lubricating oil	112,911	114,721	135,748
St. Pierre and Miquelon—			
Motor spirit	500	(a)	(a)
Gas oil and fuel oil (bunkers) ..	2,000	640	100
United States—			
Crude petroleum	3,701,477	4,943,802	5,557,059
Motor spirit	3,881,282	2,983,111	2,488,500
Natural gasoline	35,000	190,000	172,000
Kerosene	1,383,054	1,115,371	1,222,711
Gas and fuel oil	2,496,404	2,583,720	3,629,328
do. (bunkers)	5,341,336	4,518,029	4,306,022
Lubricating oils	977,547	1,140,596	1,066,083
Turpentine substitutes	5,408	6,915	5,547
Greases	28,914	32,751	37,277
Paraffin wax	105,028	110,836	88,948
Petroleum jelly	4,553	5,253	6,115
Asphalt, bitumen, etc.	194,974	194,498	214,645
Petroleum coke	79,777	169,991	102,025
Argentina—			
Motor spirit	(a)	5,015	7,378
Kerosene	(a)	2,938	844
Fuel, diesel and gas oils	63,933	122,750	118,279
Lubricating oil	(a)	489	463
Grease	(a)	43	27

(a) Information not available.

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

(c) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Chile—			
Crude petroleum (c)	1,644	1,102	1,007
Motor spirit (c)	48	9	12
Kerosene (c)	7	5	4
Fuel oil	1,772	857	372
Lubricating oils (c)	23	6	17
Tar and pitch	59	177	214
Colombia—			
Crude petroleum	2,176,414	1,668,588	2,313,483
Ecuador—			
Crude petroleum	189,625	134,700	172,300
Motor spirit	260	(a)	(a)
Peru—			
Crude petroleum	605,896	975,164	1,329,970
Motor spirit	353,349	349,733	383,210
Kerosene	14,061	30,219	38,132
Gas oil	—	45,336	70,123
Fuel oil	94,237	110,203	70,045
do. (bunkers)	40,079	51,090	52,663
Lubricating oil and grease ..	876	706	1,066
Venezuela—			
Crude petroleum	15,936,306	16,454,267	18,780,000
Motor spirit	41,182	44,838	46,000
Kerosene	29	(a)	(a)
Gas oil	37,678	57,589	52,000
Fuel oil	622,645	721,283	780,000
Asphalt	122	19	4
China—			
Shale oil	21,371	—	—
Formosa—			
Motor spirit	5,095	280	(a)
Kerosene	480	585	(a)
Lubricating oil	73	57	(a)
Other light oils	1,000	500	(a)
French Indo-China—			
Motor spirit, etc.	6	15	44
Gas oil	12	8	—
Lubricating oils, etc.	101	133	37

(a) Information not available.

(c) Including bunkers on foreign ships.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS—(Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (c)—			
Crude petroleum	820,674	1,316,870	1,544,234
Motor spirit	1,181,645	1,476,386	1,503,339
Kerosene	404,907	274,635	439,084
Fuel oil	2,789,692	2,633,485	3,690,622
Lubricating oil	6	16	33
Iraq (b)—			
Crude petroleum, etc.	37	—	1,579,902
Motor spirit	82	950	748
Kerosene	12	21	89
Lubricating oil	81	61	25
Japan—			
Kerosene	9,620	4,084	3,548
Other oils	11,459	18,721	26,487
“Manchoukuo”—			
Shale oil	40,315	50,422	39,934
Paraffin wax	14,415	16,827	14,030
Netherlands East Indies—			
Crude petroleum	244,065	406,187	476,543
Motor spirit	1,131,158	1,222,215	1,431,593
Kerosene	443,972	522,418	564,341
Fuel and motor oils	1,656,939	1,742,972	1,856,443
do. (bunkers)	325,075	328,599	364,977
Batching oil	10,680	12,935	7,521
Lubricating oil	17,660	20,545	24,453
Greases	268	236	413
Paraffin wax	38,360	50,774	61,214
Asphalt	147	328	157
Turpene	5,695	8,773	31,812
Syria and Lebanon—			
Asphalt and bitumen	333	1,675	2,161
Turkey—			
Fuel oil	3	(a)	(a)
Lubricating oil	31	(a)	(a)

(a) Information not available.

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

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Crude petroleum	1,504,085	1,601,575	1,926,084
Oil shale	147	—	(a)
Motor spirit, etc.	3,084,348	3,499,791	3,673,524
Kerosene	730,125	627,453	774,200
Fuel oil	2,049,033	2,313,540	2,756,209
Gas oil	356,722	428,829	483,229
Lubricating oil	330,184	383,220	388,232
Other petroleum oils	2,619	1,007	4,415
Mineral jelly	4,542	5,852	6,525
Paraffin wax	54,814	52,164	50,206
Ozokerite	575	723	688
Asphalt and bitumen	114,106	88,059	83,970
Irish Free State—			
Motor spirit	98,924	105,903	113,759
Kerosene	58,019	50,158	60,365
Fuel oil and gas oil	22,823	20,594	30,061
Lubricating oil	10,061	9,149	8,989
Paraffin wax	4,531	4,253	3,544
Asphalt and bitumen	19,425	15,865	3,731
Malta—			
Motor spirit	8,455	11,477	9,855
Petroleum	20,274	20,989	22,362
Fuel oil (b) (total imports)	17,545	5,630	24,841
Gas oil	44	76	2,640
Anglo-Egyptian Sudan—			
Motor spirit	5,950	5,721	6,951
Kerosene	4,180	4,172	4,926
Fuel oil	10,359	9,609	11,617
Lubricating oil, etc.	996	1,041	1,424
Asphalt, etc.	269	538	379
Gambia—			
Motor spirit	292	360	435
Kerosene	152	133	221
Fuel oil	171	221	207
Lubricating oil	47	44	57

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

(a) Information not available.

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

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
Gold Coast—			
Motor spirit	12,054	13,086	13,415
Kerosene	7,470	6,327	7,241
Fuel oil	7,307	3,881	6,846
Lubricating oil	1,489	1,548	1,861
Kenya and Uganda—			
Motor spirit	15,115	10,678	16,188
Kerosene	8,141	5,854	9,589
Fuel oil (<i>b</i>)	46,074	40,575	61,525
Lubricating oil	1,324	1,317	2,013
Greases	87	101	142
Mauritius—			
Motor spirit	3,174	4,145	4,475
Kerosene	2,783	1,655	2,179
Lubricating oils, etc.	450	516	437
Fuel oil	165	143	207
Refined motor grease	36	35	77
Natural asphalt, etc.	562	907	1,000
Nigeria—			
Motor spirit	12,113	7,325	11,937
Kerosene	7,072	6,536	7,976
Fuel oil	855	1,090	1,230
Lubricating oil	1,166	1,404	1,558
Asphalt tar.. .. .	748	988	686
Pitch, etc.	78	108	83
Nyasaland—			
Motor spirit	1,749	1,627	1,480
Kerosene, etc.	213	218	209
Fuel oil	46	55	82
Lubricating oil	104	129	139
Northern Rhodesia—			
Motor spirit	2,902	2,697	3,043
Kerosene	426	392	394
Lubricating oil	338	323	524
Asphalt and bitumen	11	37	(<i>a</i>)
Seychelles—			
Motor spirit	48	57	51
Kerosene	65	89	105
Fuel oil	33	84	96
Lubricating oil	8	16	12

(b) Imported chiefly for bunkering purposes.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Sierra Leone—			
Motor spirit	1,277	918	804
Kerosene	1,347	948	982
Fuel oil	438	550	6,636
Lubricating oil	197	124	114
Somaliland Protectorate—			
Motor spirit	303	414	454
Kerosene	270	238	277
Southern Rhodesia—			
Motor spirit	10,996	11,569	13,617
Kerosene	1,423	1,332	1,316
Lubricating oil	1,238	1,464	2,118
Other oils	2,288	4,598	6,446
Asphalt and bitumen	887	2,066	2,010
Paraffin wax	365	—	551
South West Africa—			
Motor spirit	2,853	3,581	2,603
Kerosene	795	1,853	927
Lubricating oil	156	216	334
Other oils	1,247	732	2,501
Tanganyika Territory—			
Motor spirit	4,447	3,681	5,558
Kerosene	3,622	3,472	3,702
Fuel oil	3,772	3,931	5,498
Lubricating oil	684	585	888
Greases	34	30	47
Union of South Africa—			
Motor spirit	216,143	238,754	297,707
Kerosene	51,940	41,049	51,992
Fuel oil	51,016	95,244	76,719
Lubricating oil	18,952	22,238	39,959
Other oils	6,202	876	1,598
Greases	1,426	1,804	2,363
Paraffin wax	8,793	11,480	9,665
Asphalt and bitumen	18,114	20,237	20,753
Petroleum jelly	(a)	827	945
Zanzibar—			
Motor spirit	994	832	1,004
Kerosene, etc.	1,646	1,595	980
Fuel oil	679	611	335
Lubricating oil, etc.	73	91	69

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Canada—			
Crude petroleum	3,949,456	4,177,373	4,004,801
Motor spirit	332,963	186,264	202,343
Kerosene, etc.	6,313	5,955	7,225
Lubricating oils	46,412	39,475	42,085
Fuel oil (bunkers)	133,371	112,071	97,841
Other petroleum oils	918	1,224	2,323
Petroleum jelly, etc.	(£50,133)	(£47,601)	(£48,251)
Grease	1,406	1,079	1,507
Paraffin wax, etc.	723	786	2,772
Asphaltum oil, etc.	(£4,910)	(£2,609)	(£2,574)
Asphalt	11,190	3,984	44,779
Other products	6,852	4,527	6,794
Newfoundland (years ended June 30)—			
Crude petroleum	724	1	—
Motor spirit	9,866	8,837	11,100
Kerosene	2,725	3,535	3,793
Lubricating oil	901	577	844
Fuel oil	218	621	1,317
British Guiana—			
Crude petroleum	1,913	1,229	1,759
Motor spirit	2,133	2,378	2,960
Kerosene	1,522	1,552	1,850
Fuel oil	2,210	2,013	2,230
Lubricating oil	(a)	(a)	366
Tar and pitch	474	478	285
British West Indies—			
Bahamas—			
Crude petroleum	2,327	1,796	1,739
Motor spirit	2,151	1,856	2,298
Kerosene	709	829	956
Lubricating oil	96	88	72
Barbados—			
Motor spirit	2,880	3,047	4,137
Kerosene	960	1,070	1,287
Fuel oil, etc.	2,897	533	1,157
Bermuda—			
Motor spirit	1,166	971	932
Kerosene	1,250	2,177	2,233
Fuel oil	8,295	9,505	8,301
Lubricating oil	(£3,433)	(£3,909)	5

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
British West Indies—(<i>cont.</i>)			
Grenada—			
Motor spirit	386	378	402
Kerosene	354	347	370
Fuel oil	129	120	155
Lubricating oil	30	21	27
Road oil	115	205	314
Jamaica—			
Motor spirit	16,697	16,126	18,320
Kerosene	4,692	5,235	5,823
Gas oil and fuel oil	17,212	2,341	9,168
Lubricating oil	936	929	929
Other fuel oils	82,663	83,580	76,002
Asphalt	655	1,183	1,426
Leeward Islands (<i>d</i>)—			
Motor spirit	773	852	797
Kerosene	599	600	607
Gas oil	11	42	21
Fuel oil	399	386	417
Road oil	42	290	393
Lubricating oil	70	131	99
St. Lucia—			
Motor spirit	171	172	188
Kerosene	190	178	168
Fuel oil	82	117	88
Lubricating oil	18	23	16
Road oil	180	176	112
St. Vincent—			
Motor spirit	243	227	231
Kerosene	181	179	165
Fuel oil	150	126	125
Lubricating oil	23	21	17
Asphalt, tar and pitch	5	5	7
Trinidad and Tobago—			
Crude petroleum	9,166	58,216	98,959
Motor spirit	6	(<i>b</i>) 155	196
Refined petroleum, etc.	109	—	34
Lubricating oil	801	(<i>b</i>) 9	1,037
Fuel oil	32,252	—	—

(*b*) Excess of re-exports.

(*d*) Including inter-presidency trade.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
British Honduras—			
Motor spirit	536	731	940
Kerosene	919	682	781
Fuel oil	498	345	780
Lubricating oil	59	72	108
Aden (total imports)—			
Motor spirit	1,110	1,012	1,085
Kerosene	1,300	852	1,444
Fuel oil	541,836	559,905	626,891
Lubricating oil	452	250	237
British Borneo—			
Brunei—			
Kerosene	565	451	480
Sarawak—			
Crude petroleum	161,486	276,892	371,731
Motor spirit	407	433	574
Kerosene	1,710	2,011	2,184
Fuel oil	202	123	37
Lubricating oil	343	296	374
State of North Borneo—			
Motor spirit	336	401	402
Kerosene	998	910	1,034
British India (total imports)—			
Motor spirit	22,596	7,802	4,378
Kerosene	283,969	210,103	234,891
Fuel oil	438,553	445,433	444,048
White oil	4,080	1,726	403
Lubricating oil	57,357	79,334	74,918
Other oils	2,163	6,642	10,697
Greases	1,360	1,971	2,330
Paraffin wax	187	187	419
Asphalt	29,237	37,995	35,214
British Malaya (total imports)—			
Motor spirit	319,312	304,967	405,105
Kerosene	93,399	99,133	91,577
Fuel oil	387,129	307,227	346,969
Lubricating oil	9,240	11,641	13,523
Paraffin wax	1,011	968	974
Asphalt and bitumen	9,392	11,087	16,206
Other petroleum products	7	51	13

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Ceylon—			
Crude petroleum (total imports) (c)	252,134	282,682	284,024
Motor spirit	26,855	25,009	34,965
Kerosene	23,006	26,594	31,331
Lubricating oil	3,345	2,555	3,571
Asphalt	10,480	10,346	9,128
Cyprus—			
Crude petroleum	2,512	3,209	8,935
Motor spirit, etc.	2,814	3,142	4,107
Kerosene, etc.	3,030	2,261	3,758
Lubricating oil	308	308	448
Paraffin wax	41	59	51
Asphalt and bitumen	2,433	1,838	1,766
Hong Kong (total imports)—			
Motor spirit	28,515	39,472	44,621
Kerosene	99,722	54,871	73,997
Fuel oil	162,517	191,797	178,463
Disesel oil	6,408	8,619	1,407
Lubricating oil	5,516	7,456	7,914
Other oils	211	165	169
Greases	300	227	263
Petroleum jelly	46	38	43
Paraffin wax	9,850	9,653	8,053
Palestine (total imports)—			
Crude petroleum, etc.	15,808	21,071	34,420
Motor spirit	14,597	20,106	29,291
Kerosene	21,995	33,671	38,859
Lubricating oils	2,071	2,400	3,396
Paraffin wax	128	144	228
Asphalt and bitumen	2,530	5,015	6,840
Australia—			
Crude petroleum	179,391	243,764	224,583
Motor spirit	583,907	603,499	702,753
Kerosene	120,096	120,455	107,360
Lubricating oil	39,021	49,623	45,067
Residual and solar oils	306,816	285,834	336,366
Petroleum jelly	1,081	544	1,162
Greases	1,437	1,676	1,904
Paraffin wax, etc.	2,251	2,172	2,686
Mastic asphalt	22	3	153
Fiji—			
Crude petroleum	1,450	1,610	3,473
Motor spirit	2,053	3,938	2,776
Kerosene	771	1,455	986
Lubricating oil	307	302	300

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
New Zealand—			
Crude petroleum, fuel oil, etc. ..	137,228	116,353	168,990
Motor spirit	191,514	181,647	211,877
Kerosene	20,171	16,537	14,567
Lubricating oil	8,581	10,029	9,560
Other refined oils	1,370	2,461	2,091
Paraffin wax	1,445	1,419	1,607
Asphalt and bitumen	11,253	5,555	10,691
Solomon Islands (b)—			
Motor spirit	220	196	(a)
Kerosene	236	250	(a)
Lubricating oil	37	34	(a)
Western Samoa—			
Motor spirit	(£139,054)	(£5,529)	30,033
Kerosene	(£73,796)	(£2,092)	167
Lubricating oil	(£1,080)	(£652)	(£270)
Fuel oil	(£131)	(£49)	(£85)
FOREIGN COUNTRIES			
Austria—			
Crude petroleum	127,147	194,968	163,758
Motor spirit	59,856	48,849	47,547
Kerosene	10,882	8,436	12,600
Gas oil	23,823	19,276	25,258
Lubricating oil and grease	6,222	5,912	5,432
Petroleum jelly	109	112	121
Paraffin wax	2,546	2,097	2,228
Petroleum coke	239	1,163	1,901
Ozokerite and ceresin	160	127	133
Asphalt	9,384	8,649	8,617
Belgium-Luxemburg E.U.—			
Crude petroleum	24,158	84,919	222,063
Motor spirit, etc.	316,061	227,376	261,287
Kerosene	84,575	29,199	26,994
Lubricating oil	61,964	34,090	62,275
Fuel oil, etc.	111,217	63,640	45,775
Other heavy oils	186	300	156

(a) Information not available.

(b) Years ended March 31st following.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—(cont.)			
Petroleum jelly	1,028	1,458	1,076
Paraffin wax	7,275	8,759	7,242
Ozokerite and ceresin	286	379	367
Asphalt, bitumen, etc.	8,520	15,689	9,612
Residual asphalt	5,516	8,621	13,576
Bulgaria—			
Crude petroleum, etc.	96	39	3,895
Motor spirit	8,089	7,158	7,575
Kerosene	23,309	24,941	23,411
Gas oil	23,822	22,195	21,430
Fuel oil	4,188	6,973	359
Lubricating oil, etc.	4,207	3,582	8,704
Paraffin wax, ceresin, etc.	248	317	157
Tar	117	68	116
Petroleum jelly	27	28	30
Asphalt and bitumen	291	1,241	317
Czechoslovakia—			
Crude oils.	93,398	99,440	119,209
Motor spirit, etc.	220,784	161,711	163,081
Kerosene	38,158	59,608	44,236
Lubricating oils	23,015	21,142	21,731
Paraffin wax	306	566	973
Ozokerite and ceresin	133	95	118
Petroleum jelly	202	196	187
Asphalt products	3,551	1,671	1,912
Denmark—			
Motor spirit	227,676	215,145	252,389
Kerosene	83,781	88,112	78,535
Fuel oil	225,165	232,687	243,595
Lubricating oil	24,146	25,112	27,783
Petroleum jelly	77	97	108
Ozokerite, etc.	53	32	44
Paraffin wax	757	976	1,059
Asphalt rock	2,882	1,517	2,346
Estonia—			
Crude petroleum	733	89	178
Motor spirit	1,547	2,787	4,396
Kerosene	12,914	13,553	15,891
Fuel oil	778	765	746
Gas oil	1,353	1,254	1,532
Lubricating oil	1,812	2,451	2,293

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Estonia—(cont.)			
Petroleum jelly	36	38	65
Paraffin wax, etc.	144	141	179
Asphalt and tar	17	83	78
Finland (total imports)—			
Crude petroleum	10,701	13,432	18,487
Motor spirit	28,048	59,201	67,387
Kerosene	43,695	35,853	42,812
Lubricating oil	8,784	8,957	11,975
Petroleum jelly	307	373	492
Paraffin wax, etc.	450	581	703
Asphalt and tar	6,177	7,130	6,857
France—			
Crude petroleum	1,018,476	2,696,404	4,253,611
Motor spirit	1,979,372	1,714,792	1,041,546
Kerosene	151,015	91,248	37,851
Lubricating oils	194,271	194,950	152,212
Fuel oil	658,278	616,319	259,748
Gas oil	349,886	374,216	248,193
Road oil, etc.	83,545	77,711	51,479
Petroleum coke, etc.	8,520	12,672	18,709
Paraffin wax	5,140	4,296	1,612
Ozokerite and ceresin	600	503	416
Petroleum jelly	23	34	30
Asphalt and bitumen	18,286	6,223	8,452
Germany—			
Crude petroleum	265,845	276,188	272,346
Motor spirit	1,070,500	988,890	1,140,090
Kerosene	102,308	95,944	96,709
Gas oil	386,525	459,967	629,809
Fuel oil	194,990	305,929	311,186
Lubricating oil	308,213	272,034	316,947
Paraffin wax	14,698	18,487	21,214
Ozokerite, etc.	1,266	1,470	1,619
Asphalt	12,065	5,486	5,657
Greece—			
Motor spirit	46,488	45,548	41,265
Kerosene	21,150	18,691	19,229
Fuel oils	102,065	109,919	138,081
Other oils and greases	9,488	5,883	6,961
Petroleum jelly	57	48	44
Asphalt and bitumen	5,782	3,264	4,065

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Crude petroleum	139,138	168,998	225,723
Motor spirit	1,400	352	459
Kerosene	336	—	10
Gas oil	1,498	522	466
Lubricating oil	2,119	2,433	2,878
Paraffin wax	1,066	727	583
Petroleum jelly	107	122	95
Ozokerite and ceresin	18	8	17
Asphalt, bitumen and tar	2,299	485	1,880
Petroleum coke	152	73	90
Iceland—			
Motor spirit	14,149	9,648	(a)
Kerosene	2,880	3,342	(a)
Lubricating oil	627	697	(a)
Fuel oil	3	—	(a)
Paraffin wax	16	28	(a)
Asphalt	30	52	(a)
Italy—			
Crude petroleum	125,157	133,089	140,690
Motor spirit	319,809	286,677	342,658
Kerosene	143,824	135,096	148,048
Lubricating oil	65,429	65,832	64,641
Other oils and residues	823,621	1,066,826	1,112,052
Petroleum jelly	222	315	353
Paraffin wax	23,427	26,259	25,679
Ceresin	104	121	119
Bitumen	81,356	96,655	112,194
Petroleum coke	4,140	4,165	4,250
Latvia—			
Crude petroleum	6,230	1,336	7,942
Motor spirit	5,562	5,742	5,619
Kerosene	21,981	26,592	20,414
Gas oil	13	—	266
Fuel oil	1,051	670	246
Lubricating oil	2,823	1,162	1,136
Shale oil	451	1,425	2,199
Petroleum jelly	30	13	6
Paraffin wax	241	302	237
Ozokerite and ceresin	15	14	17
Asphalt and bitumen	906	1,047	1,772

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Crude petroleum	10,664	11,732	11,744
Motor spirit	5,685	5,133	5,798
Kerosene	18,114	17,160	17,370
Lubricating oil	2,930	2,508	2,540
Paraffin wax	313	331	277
Petroleum jelly	30	22	19
Ozokerite and ceresin	18	9	11
Netherlands—			
Crude petroleum	95,512	72,388	138,345
Motor spirit	320,874	368,525	330,253
Kerosene	165,848	186,161	185,107
Gas oil	189,908	249,370	242,453
Fuel oil	96,042	120,490	176,355
Lubricating oil	50,051	59,412	51,206
Greases	1,663	2,206	1,873
Petroleum jelly	608	895	1,082
Paraffin wax	8,270	5,122	3,191
Ozokerite and ceresin	172	199	192
Asphalt	9,062	11,111	7,068
Natural asphalt	2,450	2,418	2,515
Norway—			
Crude petroleum	27,018	20,542	36,707
Motor spirit	115,534	96,702	105,997
Kerosene	35,173	33,364	34,915
Fuel oil	188,687	275,043	296,012
Residual oils, etc.	9,708	12,928	10,653
Petroleum jelly, etc.	495	569	613
Asphalt, bitumen, etc.	8,193	9,111	11,224
Poland—			
Motor spirit	12	23	28
Fuel oil and gas oil	250	64	103
Lubricating oils	1,895	1,419	583
Greases	75	17	29
Petroleum jelly	156	253	234
Paraffin wax, etc.	88	58	262
Asphalt rock	262	82	} 2,049
Mastic asphalt	665	2,654	
Other asphalt and tar	1,672	1,214	
Portugal—			
Motor spirit	45,435	50,083	57,941
Kerosene	40,087	47,098	57,451
Other mineral oils	37,417	41,862	45,380
Petroleum jelly	78	76	58
Paraffin wax	826	1,109	956

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Kerosene and fuel oil	5	—	—
Residual oils	1,243	1,917	1,722
Petroleum jelly	61	66	81
Paraffin wax	5	11	2
Ozokerite and ceresin	86	86	51
Greases	38	69	82
Asphalt and bitumen	116	103	186
Tar and pitch	1,260	781	697
Spain—			
Crude petroleum	22,093	13,591	20,056
Motor spirit	379,133	358,839	433,106
Kerosene	20,979	15,507	15,771
Gas oil	76,139	73,597	121,191
Fuel oil	184,767	155,727	224,922
Lubricating oils	32,176	24,773	30,444
Residual pitch	46,141	64,709	64,123
Petroleum jelly and its oils	1,870	1,403	1,327
Paraffin wax	4,653	7,663	5,212
Asphalt and bitumen	473	1,100	772
Sweden—			
Crude petroleum	32,687	55,804	61,588
Motor spirit	327,557	323,598	346,308
Kerosene	76,815	91,308	94,596
Fuel oil and gas oil	220,197	247,779	249,094
Lubricating oil	43,359	41,289	47,719
Petroleum jelly	267	338	353
Other refined oils	3,714	2,568	4,058
Paraffin wax	2,729	3,127	3,467
Ozokerite and ceresin	133	184	238
Asphalt	5,988	3,351	5,442
Pitch	11,704	12,814	15,420
Switzerland—			
Motor spirit	201,029	192,340	215,095
Kerosene	23,662	23,682	24,750
Petroleum distillates, etc.	1,666	1,742	2,044
Fuel oil	129,603	149,861	160,532
Lubricating oil and grease	21,399	19,557	20,740
Petroleum jelly	320	353	330
Paraffin wax and ceresin	1,572	2,268	1,505
Asphalt and bitumen	1,392	1,124	1,263

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Crude petroleum	—	757	212
Motor spirit	(a)	(a)	72
Kerosene	—	140	37
Fuel oil	(a)	(a)	655
Diesel oil	(a)	(a)	16
Lubricating oil	(a)	(a)	183
Petroleum jelly	—	2	5
Ozokerite and ceresin	2	4	12
Asphalt and tar	406	84	56
Yugoslavia—			
Crude petroleum	71,818	95,805	84,855
Motor spirit	13,086	4,541	4,368
Kerosene	26,823	14,012	17,886
Gas oil, etc.	13,429	2,304	1,184
Lubricating oil, etc.	5,145	3,416	3,175
Paraffin wax	1,714	1,964	2,102
Ozokerite and ceresin	59	78	40
Asphalt and bitumen	7,053	3,141	6,874
Abyssinia—			
Motor spirit	829	721	801
Kerosene	1,833	1,306	1,631
Algeria—			
Motor spirit	124,994	130,432	120,869
Kerosene	46,254	47,999	49,304
Gas oil	17,743	25,426	43,562
Fuel oil	8,376	9,283	
Lubricating oil	13,143	15,017	12,172
Road oil, etc.	54,901	50,975	46,947
Paraffin wax	171	281	255
Petroleum jelly	25	18	19
Ozokerite and ceresin	5	14	(a)
Asphalt and bitumen	1,000	1,133	992
Angola—			
Motor spirit	3,161	—	2
Kerosene	1,047	604	473
Fuel oil	1,596	308	2,609
Lubricating oil	482	411	638
Grease	25	57	52
Belgian Congo—			
Motor spirit	8,617	10,790	11,204
Kerosene	1,382	840	977
Fuel oil, etc.	5,442	2,743	218
Lubricating oils and greases	1,546	2,002	2,170

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Cameroon (French)—			
Motor spirit	2,535	2,776	2,729
Kerosene	801	871	872
Fuel oil	13	242	228
Lubricating oils	258	332	362
Canary Islands (b)—			
Crude petroleum	157,853	146,545	(a)
Motor spirit	15,726	10,615	(a)
Kerosene	6,330	12,726	(a)
Gas oil	158,386	125,056	(a)
Fuel oil	153,644	286,730	(a)
Lubricating oil	9,801	2,112	(a)
Paraffin wax	—	443	(a)
Residual pitch	788	1,419	(a)
Asphalt and bitumen	77	343	(a)
Cape Verde Islands—			
Motor spirit	167	(a)	(a)
Kerosene	403	(a)	(a)
Fuel oil (b)	178,337	135,000	(a)
Egypt—			
Crude petroleum	99,739	76,475	110,726
Motor spirit	37,771	19,025	12,548
Kerosene	263,443	263,855	260,955
Fuel oil, etc.	131,121	130,585	160,338
Lubricating oil	14,509	18,214	17,008
Petroleum jelly	119	186	246
Paraffin wax	261	406	471
Ozokerite and ceresin	6	8	15
Asphalt and bitumen	4,853	5,567	5,075
French Equatorial Africa—			
Motor spirit	5,863	5,187	4,750
Kerosene	930	954	1,031
Lubricating oils, etc.	1,745	1,481	1,535
Asphalt and bitumen	94	2	59
French Somaliland—			
Motor spirit	206	415	322
Kerosene	90	164	337
Lubricating oil	335	367	425
French Togoland—			
Motor spirit	673	671	674
Kerosene	973	807	811
Lubricating oils	200	103	95
Fuel oil	474	311	744

(a) Information not available.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French West Africa—			
Motor spirit	12,484	15,215	11,701
Kerosene	3,121	4,255	3,101
Lubricating oils	2,268	1,816	2,839
Fuel oils (b)	323,939	244,754	309,677
Asphalt and bitumen	366	766	2,050
Madagascar—			
Motor spirit	4,591	4,762	6,012
Kerosene	2,528	2,502	2,381
Fuel oil	1,724	2,602	1,737
Road oil, etc.	609	505	235
Lubricating oil	1,095	890	959
Other heavy oils	341	36	45
Petroleum jelly	9	5	5
Morocco—			
Motor spirit	109,081	82,717	88,314
Kerosene	16,606	11,593	13,795
Gas oil and fuel oil	13,417	11,898	12,659
Lubricating oil and grease	6,879	7,832	6,495
Paraffin wax	1,742	2,295	1,831
Mozambique—			
Motor spirit	6,568	5,802	4,629
Kerosene	2,254	2,148	1,856
Fuel oil	1,254	1,502	1,321
Lubricating oil	1,362	1,351	749
Paraffin wax	46	25	(a)
Asphalt and bitumen	363	170	(a)
Portuguese Guinea—			
Motor spirit	260	383	(a)
Kerosene	91	88	(a)
Fuel oil	69	228	(a)
Lubricating oil	36		
Réunion—			
Motor spirit	2,247	2,678	1,473
Kerosene	788	883	618
Heavy oils and greases	281	354	240
Asphalt	62	93	(a)
Spanish Africa—			
Ceuta—			
Motor spirit	2,413	2,202	(a)
Gas oil	—	82	(a)
Fuel oil (b)	35,984	39,179	(a)
Lubricating oil	278	391	(a)
Residual pitch	10	—	(a)

(a) Information not available.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Spanish Africa—(cont.)			
Melilla—			
Motor spirit	5,139	5,346	(a)
Kerosene	672	1,064	(a)
Fuel oil	2,544	6,323	(a)
Lubricating oil	1,016	547	(a)
Residual pitch	67	60	(a)
Paraffin wax	404	273	(a)
Tunis—			
Motor spirit	42,373	43,742	46,428
Kerosene	30,877	25,483	24,476
Fuel oil and gas oil	15,454	18,113	19,828
Road oil	6,970	8,882	5,099
Lubricating oils	4,803	4,597	4,077
Petroleum jelly	8	12	7
Paraffin wax	24	41	29
Asphalt and bitumen	2,414	820	865
Costa Rica (b)—			
Crude petroleum	16,082	19,397	(a)
Motor spirit	4,140	4,109	(a)
Diesel oil	599	(a)	(a)
Paraffin wax	1,151	(a)	(a)
Asphalt	245	(a)	(a)
Cuba (total imports)—			
Crude petroleum	71,383	23,584	(a)
Motor spirit	49,966	31,029	(a)
Kerosene	1,278	672	(a)
Fuel oil	381,436	240,830	(a)
Gas oil	4,080	3,214	(a)
Lubricating oil	4,715	3,395	(a)
Petroleum jelly	233	233	(a)
Greases	138	129	(a)
Paraffin wax	1,007	850	(a)
Asphalt rock	80	8	(a)
Other asphalt	420	109	(a)
Dominican Republic (total imports)—			
Motor spirit	7,839	7,525	7,759
Kerosene	3,281	3,590	3,476
Fuel oil	14,654	34,024	19,216
Lubricating oil	1,120	870	1,170
French West Indies—			
Guadeloupe—			
Motor spirit	2,672	2,529	3,700
Kerosene	1,538	1,072	1,282
Fuel oil	578	648	860

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French West Indies—(cont.)			
Martinique—			
Motor spirit	1,003	2,552	5,424
Kerosene	1,000	1,333	1,064
Lubricating oil	373	146	342
Fuel oil	373	303	1,855
Road oil	(a)	146	832
Guatemala—			
Motor spirit	6,700	6,400	(a)
Kerosene	1,900	2,000	(a)
Fuel oil	34,300	33,700	(a)
Lubricating oil	280	420	(a)
Grease	33	43	(a)
Paraffin wax	2	1	(a)
Asphalt	33	61	(a)
Haiti (years ended September 30)—			
Motor spirit	4,371	5,388	8,698
Kerosene	3,212	3,194	4,238
Fuel oil	2,655	3,737	2,346
Lubricating oil	398	319	356
Honduras (years ended July 31)—			
Motor spirit	4,100	4,000	(a)
Kerosene	900	800	(a)
Fuel oil	92,000	135,300	(a)
Lubricating oil	700	600	(a)
Mexico—			
Crude petroleum	66,678	49,935	41,317
Motor spirit	57,890	5,448	14,293
Kerosene	7,899	3,066	1,544
Fuel oil and gas oil	116,181	138,658	123,412
Paraffin wax	10,157	1,543	4,930
Lubricating oil, etc.	5,656	5,820	7,739
Petroleum jelly	305	152	220
Asphalt	(a)	(a)	1,169
Natural gas (1,000 cu. feet)	(a)	(a)	6,692,856
Netherlands West Indies—			
Crude petroleum	12,834,480	13,733,775	(a)
Motor spirit	2,910	88	(a)
Kerosene	556	449	(a)
Fuel oil	519,973	676,210	(a)
Gas oil	155,958	238,383	(a)
Lubricating oil	671	559	(a)
Nicaragua (total imports)—			
Crude petroleum	12,363	13,699	26,382
Motor spirit	1,938	2,664	2,253
Kerosene	1,869	2,538	1,889
Lubricating oil	292	364	372

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934	
FOREIGN COUNTRIES (Cont.)				
Panama—				
Motor spirit	918	230	(a)	
Kerosene	1,909	2,291	(a)	
Fuel oil	2,333	6,417	(a)	
Lubricating oil	980	700	(a)	
Mineral grease	39	42	(a)	
Asphalt	5	221	(a)	
Tar and pitch	6	7	(a)	
Paraffin wax	36	38	(a)	
Petroleum jelly	10	13	(a)	
St. Pierre and Miquelon—				
Motor spirit	500	400	400	
Gas oil and fuel oil	3,000	877	300	
Salvador—				
Motor spirit	3,922	} (a) {	{ 4,400	
Kerosene	273			} 2,200
Fuel oil	11,388			
United States—				
Crude petroleum	6,386,000	5,287,000	5,110,000	
Motor spirit, etc. (b)	963,273	2,877	15,510	
Kerosene (b)	9,960	1,114	1,058	
Fuel oil, including topped oils (b)	3,168,124	2,031,892	2,111,261	
Other unfinished distillates (b)	1,670	2,697	573	
Lubricating oil (b)	2,641	601	1,101	
Paraffin wax, etc.	14,846	16,355	15,092	
Mineral wax	578	2,112	1,549	
Asphalt and bitumen	18,280	19,380	13,999	
Natural gas (1,000 cu. ft.)	32,214	64,017	63,320	
Argentina—				
Crude petroleum	220,798	153,121	166,865	
Motor spirit	52,800	42,006	59,915	
Kerosene	11,098	8,011	10,508	
Gas oil	1,811	7,789	—	
Fuel oil	632,814	724,833	657,943	
Diesel oil	84,865	39,907	244,742	
Lubricating oil	20,376	17,098	17,241	
Petroleum jelly	159	257	249	
Grease	769	623	458	
Paraffin wax	5,448	4,905	3,887	
Ozokerite and ceresin	31	25	37	
Asphalt rock	7,408	15,857	8,366	
Trinidad asphalt	4,898	9,504	13,484	
Asphalt for roofing	963	1,151	1,254	

(a) Information not available.

(b) Total imports for the years 1932 and 1933. Re-exports of refined petroleum during these years were 2,800 and 1,300 long tons respectively.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Argentina—(cont.)			
Other asphalt and bitumen ..	114	144	143
Pitch	27	16	40
Bolivia—			
Motor spirit	3,700	3,700	(a)
Kerosene, etc.	900	1,000	(a)
Fuel oil	14,700	13,100	(a)
Lubricating oil	800	1,100	(a)
Paraffin wax, etc.	1,272	1,393	(a)
Asphalt and bitumen	53	37	(a)
Brazil (total imports)—			
Motor spirit	141,440	232,146	260,486
Kerosene	46,326	79,894	91,894
Fuel oil	396,467	435,240	444,822
Lubricating oil	20,973	27,447	30,810
Petroleum jelly	158	331	320
Greases	382	679	1,137
Paraffin wax	907	898	780
Asphalt	1,581	4,048	5,748
Chile—			
Crude petroleum	105,925	179,676	321,943
Motor spirit	44,580	52,668	49,290
Kerosene	8,272	7,165	6,957
Fuel oil	79,180	29,563	24,956
Lubricating oil	4,437	5,228	7,143
Petroleum jelly	44	95	73
Greases	305	102	304
Ozokerite	7	1	3
Crude asphalt	26	78	160
Paraffin wax	3,303	7,673	5,173
Tar and pitch	252	166	13
Colombia—			
Crude petroleum	29	—	} 50
Refined petroleum	56	57	
Motor spirit	10,377	9,852	15,492
Fuel oil and gas oil	10,518	9,442	14,785
Lubricating oil	1,660	2,217	2,902
Petroleum jelly	27	69	77
Paraffin wax	5,058	5,979	5,025
Asphalt, etc	45	162	740
Dutch Guiana—			
Motor spirit	410	446	722
Kerosene	1,114	969	950
Gas oil	400	470	522
Fuel oil	1,989	2,113	2,704
Lubricating oil	119	128	115

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Ecuador—			
Crude petroleum	3,409	14,000	13,900
Motor spirit	119	—	115
Lubricating oils and greases	624	919	939
Paraffin wax, etc.	1,190	1,095	1,268
Petroleum jelly	14	25	29
Asphalt and bitumen	176	97	183
French Guiana—			
Motor spirit and kerosene	607	400	654
Lubricating oil and fuel oil	70	70	124
Paraguay—			
Motor spirit	(a)	2,524	(a)
Kerosene	(a)	1,313	(a)
Lubricating oil	(a)	444	(a)
Peru—			
Crude petroleum	54	3	1
Motor spirit, etc.	346	318	207
Lubricating oil	810	1,144	1,559
Petroleum jelly	49	54	46
Paraffin wax	2,372	3,613	3,246
Asphalt and bitumen	193	379	695
Greases	48	101	120
Uruguay—			
Motor spirit, etc.	67,135	65,789	(a)
Kerosene	23,067	31,281	(a)
Gas oil	6,586	8,019	(a)
Fuel oil	201,372	172,543	(a)
Lubricating oil and greases	3,640	4,372	(a)
Paraffin wax	181	333	(a)
Petroleum jelly	17	21	(a)
Venezuela—			
Motor spirit	1,425	}	(a)
Kerosene	87		
Fuel oil	1,421		
Asphalt and bitumen	354		
Paraffin wax	1,708		
Tar and pitch	511		
China—			
Motor spirit	65,887	85,469	89,172
Kerosene	422,178	567,458	360,399
Fuel oil	78,263	37,968	45,870
Diesel and solar oils	156,397	298,096	356,691
Lubricating oil	27,351	37,177	37,162
Paraffin wax	23,441	25,685	25,934
Asphalt	9,059	9,261	13,083
Greases	868	945	1,264

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Formosa—			
Crude and heavy oils	17,997	30,316	25,700
Motor spirit	4,081	3,683	6,800
Kerosene	10,057	8,450	} 17,600
Other light oils	5,900	7,085	
Lubricating oil	3,580	3,856	(a)
Paraffin wax	87	8	(a)
Grease	252	359	(a)
French Indo-China—			
Motor spirit	30,747	28,826	29,078
Kerosene	43,988	41,334	34,391
Fuel oil and gas oil	14,843	9,869	12,372
Lubricating oils, etc.	6,790	5,814	4,167
Road oil, etc.	(a)	(a)	7,588
Petroleum jelly	15	29	28
Ozokerite	5	12	7
Paraffin wax, etc.	1,253	1,212	1,052
Asphalt and bitumen	10,207	7,009	1,543
Iran (Persia) (c) (e)—			
Crude petroleum	121	173	73
Motor spirit	18,139	11,194	4,417
Kerosene	43,417	37,320	19,387
Fuel oil	3,023	3,623	3,034
Lubricating oil	2,936	1,505	2,012
Greases	389	1,719	453
Paraffin wax	14	43	49
Iraq (b)—			
Motor spirit	3,092	3,590	4,679
Kerosene	4,399	4,734	4,921
Fuel oil	45,041	49,104	52,419
Lubricating oil	3,064	4,380	3,365
Asphalt and bitumen	—	—	772
Japan (c) (d)—			
Crude oils	1,934,235	2,085,064	2,530,528
Other mineral oils—			
Specific gravity not exceeding 0.730 (mostly motor spirit) ..	3,900	200	3,500
Specific gravity not exceeding 0.8017 (mostly motor spirit)	313,900	333,800	393,900
Specific gravity not exceeding 0.8762 (mostly kerosene) ..	56,100	46,200	70,300
Specific gravity not exceeding 0.9218 (mostly lubricating oils)	16,100	13,500	21,800

(a) Information not available.

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

(c) Total imports.

(d) Excluding fuel oil imported on government account.

(e) Years ended June 21.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Japan—(cont.)			
Other oils (mostly lubricating oils)	15,682	8,080	13,034
Petroleum jelly	272	387	391
Paraffin wax	23,063	19,538	14,643
Pitch and asphalt	8,764	2,990	4,017
Korea (c)—			
Crude and heavy oils	41,934	48,273	59,334
Motor spirit	26,188	30,860	42,547
Kerosene	48,943	32,821	52,095
Lubricating oil	12,102	13,447	16,382
Paraffin wax	127	67	1
"Manchoukuo"—			
Motor spirit	10,711	33,577	53,457
Kerosene	19,139	34,836	75,014
Other refined petroleum	(a)	8,816	10,839
Fuel oil	2,960	18,139	21,038
Lubricating oil	9,276	13,993	17,617
Paraffin wax	848	6,516	5,016
Asphalt and bitumen	179	2,348	2,228
Netherlands East Indies—			
Crude petroleum	812	—	—
Motor spirit	8,535	42,716	37,254
Kerosene	17,414	14,585	9,464
Fuel and motor oils	24,117	52,423	82,584
Lubricating oil	7,711	8,570	9,385
Petroleum jelly	27	69	61
Greases	363	349	535
Paraffin wax	333	366	353
Ceresin	22	18	1
Pitch	—	6	7
Asphalt	19,031	19,980	19,784
Philippine Islands—			
Motor spirit	86,951	65,608	74,019
Kerosene	45,091	40,070	56,110
Fuel oil	265,949	247,238	287,358
Other light oils	80	820	90

(a) Information not available.

(c) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Philippine Islands—(cont.)			
Lubricating oil	14,887	9,245	9,888
Residual oils	517	1,523	1,129
Mineral wax	2,037	2,318	1,833
Asphalt	8,081	7,054	10,051
Portuguese India—			
Motor spirit	(a)	(a)	1,076
Kerosene	(a)	(a)	3,437
Other oils	(a)	(a)	822
Siam (total imports)—			
Motor spirit	12,484	11,584	16,563
Kerosene	27,187	27,806	33,219
Fuel oil	12,226	17,457	20,027
Diesel oil	18,754	13,560	17,487
Lubricating oil	4,701	4,317	4,734
Grease	93	187	203
Paraffin wax	702	653	794
Asphalt	377	44	2,882
Syria and Lebanon—			
Motor spirit	31,734	29,186	30,833
Kerosene	35,287	30,119	31,894
Fuel oil	9,686	9,571	19,420
Lubricating oils	2,255	2,784	2,178
Paraffin wax	66	91	76
Petroleum jelly	30	6	31
Asphalt and bitumen	3,741	3,023	2,395
Turkey—			
Crude petroleum	5,597	(a)	1,600
Motor spirit	21,712		21,600
Kerosene	32,199		30,800
Fuel oil	23,762		33,700
Lubricating oil	4,761		5,300
Paraffin wax and petroleum jelly	452		(a)
Ozokerite	32		(a)
Other heavy oil	11	(a)	
New Caledonia—			
Motor spirit	1,248	1,205	1,548
Kerosene		274	703
Lubricating oil	381	610	844

(a) Information not available.

PHOSPHATES

PRODUCTION OF PHOSPHATE-ROCK
(Long tons)

Producing Country.	1932	1933	1934	Estimated Tribasic Phosphate of Lime Content or equivalent.		
				1932	1933	1934
BRITISH EMPIRE						
Tanganyika	—	—	205	—	—	(a)
Seychelles (exports) ..	13,989	12,113	11,871	(a)	(a)	(a)
Union of South Africa	1,164	1,163	76	693	686	46
Canada	1,175	1,977	72	977	1,641	60
India	121	37	59	99	30	48
Christmas Island ..	84,197	91,280	128,010	72,600	78,700	110,300
Australia	869	96	207	475	52	112
Nauru Island ..	418,180	363,680	418,950	355,900	309,500	356,600
Ocean Island ..	196,875	185,575	211,250	174,400	164,400	187,200
Total ..	717,000	656,000	771,000			
FOREIGN COUNTRIES						
Belgium (b)	25,402	24,733	(a)	7,600	7,400	(a)
Estonia	1,115	8,809	10,441	488	3,849	4,563
France	81,400	70,000	78,000	53,300	48,400	50,900
Germany (Prussia) ..	(a)	(a)	723	(a)	(a)	178
Poland	(a)	6,250	(a)	(a)	2,730	(a)
Spain	9,822	14,278	(a)	6,300	9,140	(a)
U.S.S.R. (Russia) (d)	100,000	200,000	376,000	(a)	(a)	(a)
Algeria	560,288	578,470	523,804	374,000	387,000	350,000
Egypt	344,256	433,673	431,016	233,000	293,000	289,000
Madagascar	7,012	13,000	8,208	5,268	9,750	6,150
Morocco (French) ..	988,162	1,048,822	1,171,150	758,000	804,000	898,000
Tunis	1,651,000	1,780,000	1,738,000	1,000,000	1,070,000	1,060,000
Netherlands West						
Indies (exports) ..	63,390	84,199	99,038	54,400	71,100	84,200
United States ..	1,739,197	2,309,269	2,871,099	1,245,000	1,665,000	2,067,000
French Indo-China ..	400	—	4,000	300	—	3,000
China	8,000	(a)	(a)	6,500	(a)	(a)
Japan	18,461	34,193	(a)	15,100	32,800	(a)
Netherlands East						
Indies	2,681	7,821	4,934	1,800	4,400	3,100
Philippine Islands (c)	817	3,048	(a)	642	2,396	(a)
Angaur Island						
(exports)	54,347	73,250	63,783	43,640	58,815	38,270
Makatea	118,745	77,797	80,700	99,500	65,200	67,100
New Caledonia ..	1,000	6,000	2,000	760	4,500	1,520
Total	5,800,000	6,700,000	7,500,000			
WORLD'S TOTAL	6,500,000	7,400,000	8,300,000			

(a) Information not available.

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

1932 51,740 long tons.

1933 59,840 „ „

(c) Including guano.

(d) Apatite concentrate. In addition a quantity of low grade phosphate rock is produced.

PRODUCTION OF SUPERPHOSPHATES

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (c)	523,726	486,369	525,286
Union of South Africa	63,000	82,378	123,884
Canada (e)	45,921	30,929	40,338
Australia (e)	(d)560,732	747,000	755,295
New Zealand	(b)296,949	(b)265,872	(e)352,504
FOREIGN COUNTRIES			
Austria	31,052	41,137	36,880
Belgium	252,000	285,000	271,000
Czechoslovakia	117,842	100,893	135,683
Denmark	171,700	259,000	357,000
Finland	12,351	12,320	10,300
France.. .. .	1,327,429	1,358,635	1,304,000
Germany	629,000	802,000	647,000
Greece	32,667	28,016	53,427
Hungary	—	—	7,000
Italy	656,079	987,454	1,065,441
Latvia	40,170	55,417	71,543
Lithuania	39,000	44,000	44,000
Netherlands	493,159	467,104	550,000
Norway	20,500	20,699	27,590
Poland	24,500	48,389	97,401
Portugal	200,000	177,000	231,000
Roumania	304	—	—
Spain	978,483	951,386	1,046,042
Sweden	190,216	215,567	205,406
Switzerland	18,446	20,682	20,296
U.S.S.R. (Russia)	604,900	678,800	836,000
Yugoslavia	8,171	—	10,100
Algeria	70,000	65,600	70,000
Tunis	39,801	18,300	25,085
Morocco	24,162	38,000	19,100
United States.. .. .	1,576,760	2,406,134	2,560,754
Japan	1,021,340	1,110,163	1,065,645

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

(c) Including Irish Free State.

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

(e) Years ended June 30.

PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (b)	160,000	191,000	262,000
Irish Free State	991	480	(a)
FOREIGN COUNTRIES			
Belgium (estimated)	568,000	600,000	650,000
Czechoslovakia	65,241	70,256	92,391
France—			
Saar	233,956	262,606	317,585
Other districts	769,571	972,000	(a)
Germany	524,614	800,000	1,400,000
Luxemburg	394,683	386,755	402,747
Sweden	7,608	8,770	12,619

(a) Information not available.

(b) Estimated amount ground and used as fertilizers.

EXPORTS OF PHOSPHATES, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Superphosphates	13,037	20,154	19,583
Basic slag	17,595	30,129	36,413
Seychelles—			
Phosphatic guano	13,989	12,113	11,871
British Malaya—			
Phosphate-rock	84,197	91,280	127,730
Australia (including re-exports)—			
Superphosphates	4	15	1,583
New Zealand—			
Superphosphates	968	1,228	22
Nauru and Ocean Islands—			
Phosphate-rock	615,060	549,255	630,200
FOREIGN COUNTRIES			
Austria—			
Basic slag	4	—	1
Belgium-Luxemburg E.U.—			
Phosphate-rock	49,150	49,466	61,367
Superphosphates	214,546	166,511	154,302
Basic slag	927,532	860,816	989,169
Czechoslovakia—			
Phosphate-rock	—	778	296
Superphosphates	142	156	148
Basic slag	1,849	487	1,277
Denmark—			
Superphosphates	5,008	11,302	13,938
Estonia—			
Superphosphates	1	62	11
France—			
Phosphate-rock	551	12	857
Superphosphates	35,743	35,906	30,311
Basic slag	536,817	660,025	744,306
Germany—			
Phosphate-rock, etc.	1,665	9,191	1,002
Superphosphates	29,142	15,172	19,997
Basic slag	49,612	2,044	4,120
Greece—			
Superphosphates	18,218	19,195	26,223

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description:	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Superphosphates	6,883	1	—
Italy—			
Superphosphates, including bone superphosphates	2,614	2,823	1,658
Latvia—			
Superphosphates	706	24	203
Basic slag	9	3	6
Lithuania—			
Superphosphates	4,785	9,573	7,630
Basic slag, etc.	61	3,252	321
Netherlands—			
Phosphate-rock	—	34	—
Superphosphates	403,422	311,881	385,381
Basic slag	312	2,115	58
Norway—			
Superphosphates	107	694	549
Poland—			
Superphosphates	15,971	13,912	16,631
Portugal—			
Superphosphates	16	30	58
Roumania—			
Superphosphates	15	—	—
Spain—			
Superphosphates	2,301	3,531	5,734
Basic slag	—	6	6
Sweden—			
Superphosphates	30,971	29,287	12,475
Switzerland—			
Basic slag	11	8	11
U.S.S.R. (Russia)—			
Apatite	44,412	279,467	408,035
Superphosphate	(a)	(a)	18,549
Basic slag	(a)	(a)	24,233
Yugoslavia—			
Phosphate-rock	—	2,523	280
Superphosphates	1	4	4
Algeria—			
Phosphate-rock	557,439	586,227	640,871
Superphosphates	25,756	11,352	22,236
Basic slag	1,997	—	—

(a) Information not available.

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Phosphate-rock	410,492	475,604	462,137
Madagascar—			
Phosphate-rock	7,000	12,549	13,779
Morocco—			
Phosphate-rock	1,004,335	1,054,643	1,218,338
Superphosphates	7,605	6,411	5,383
Tunis (including re-exports)—			
Phosphate-rock	1,597,459	1,723,310	1,778,863
Netherlands West Indies—			
Phosphate-rock	63,390	84,199	99,038
United States—			
Phosphate-rock	613,035	829,059	993,493
Superphosphates	23,883	35,371	59,150
Angaur Island—			
Phosphate-rock	54,347	73,250	63,783
Japan—			
Superphosphates	18,500	30,740	30,000
Makatea—			
Phosphate-rock	118,745	77,797	76,246
New Caledonia—			
Phosphate-rock	—	6,592	2,000

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Phosphate-rock	352,702	341,986	423,043
Superphosphates	57,613	32,901	49,911
Basic slag	4,951	1,461	648
Irish Free State—			
Phosphate-rock	60,016	48,848	58,001
Superphosphates	37,072	10,451	11,425
Basic slag	10,130	3,553	(a)
Mauritius—			
Superphosphates	529	409	359
Phosphatic guano	1,557	641	32
Southern Rhodesia—			
Superphosphates	3,817	2,313	3,834
Union of South Africa—			
Phosphate-rock	43,605	60,034	80,828
Superphosphates	68,149	56,283	92,145
Basic slag	5,812	2,806	4,043
Canada—			
Phosphate-rock	63,779	16,384	28,370
Superphosphates	54,195	48,604	70,791
Basic slag	6,844	4,106	3,031
Trinidad and Tobago—			
Superphosphates	244	384	93
British Guiana—			
Phosphates, superphosphates and basic slag	2,619	2,937	2,168
British India (total imports)—			
Superphosphates	3,781	2,463	4,981
British Malaya—			
Phosphate-rock	90	57	75
Ceylon—			
Phosphate-rock	941	—	8,008
Superphosphates	4,294	1,081	3,242
Basic slag	801	295	603
Australia—			
Phosphate-rock	441,925	384,064	372,583
Superphosphates	—	1,994	2,568
New Zealand—			
Phosphate-rock	198,552	159,753	185,711
Basic slag	46,303	29,870	2,925

(a) Information not available.

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock	8,442	22,454	24,428
Superphosphates	1,343	1,499	35
Basic slag	27,871	16,438	20,741
Belgium-Luxemburg E.U.—			
Phosphate-rock	247,425	308,364	333,908
Superphosphates	17,164	28,209	17,479
Basic slag	72,692	85,867	151,491
Czechoslovakia—			
Phosphate-rock	46,863	77,458	104,058
Superphosphates	789	58	255
Basic slag	28,669	32,362	23,055
Denmark—			
Phosphate-rock	89,219	138,209	202,639
Superphosphates	84,708	36,016	29,238
Basic slag	2,352	240	814
Estonia—			
Superphosphates	18,394	22,242	26,361
Finland (total imports)—			
Phosphate-rock	23,290	29,641	34,883
Superphosphates	3,923	11,561	18,049
Basic slag	16,556	8,943	10,386
France—			
Phosphate-rock	849,103	968,395	927,869
Superphosphates	126,987	123,512	81,550
Basic slag	63,487	34,548	53,643
Germany—			
Phosphate-rock, etc.	401,474	677,358	818,420
Superphosphates (b)	119,950	24,113	59,946
Basic slag	783,189	996,539	964,842
Greece—			
Phosphate-rock	19,114	25,611	26,401
Superphosphates	—	2,000	7,936
Hungary—			
Superphosphates	84	—	—
Iceland—			
Superphosphates	51	184	(a)
Italy—			
Phosphate-rock	397,614	647,723	686,975
Superphosphates, including bone superphosphates	20,762	20,614	17,877
Basic slag	37,336	36,316	40,856

(a) Information not available.

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

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Phosphate-rock	26,537	37,421	46,978
Superphosphates	347	991	19
Basic slag	4,159	6,198	12,886
Lithuania—			
Phosphate-rock	24,709	26,536	17,977
Superphosphates	28,043	27,315	18,549
Basic slag	5,370	3,489	6,302
Netherlands—			
Phosphate-rock	305,886	328,810	366,014
Superphosphates	52,657	45,687	51,994
Basic slag	257,170	161,688	323,686
Norway—			
Phosphate-rock	11,553	14,927	19,148
Superphosphates	28,193	26,287	30,385
Basic slag	7,935	2,854	3,417
Poland—			
Phosphate-rock	14,485	46,057	69,521
Superphosphates	156	142	141
Basic slag	50,804	40,743	24,174
Portugal—			
Phosphate-rock	108,613	100,407	135,821
Superphosphates	631	4,486	9,857
Roumania—			
Phosphate-rock	2	1	—
Superphosphates	7	4	1
Spain—			
Phosphate-rock	554,477	494,688	555,461
Superphosphates	133	416	495
Basic slag	4,475	4,793	3,223
Sweden—			
Phosphate-rock	81,225	105,427	106,633
Superphosphates	7,345	5,735	7,719
Basic slag	340	3,650	53
Switzerland—			
Superphosphates	10,350	8,002	7,249
Basic slag	70,869	82,568	105,410
Yugoslavia—			
Phosphate-rock (estimated) ..	3,100	6,717	10,005
Basic slag	354	335	280
Algeria—			
Phosphate-rock	2,114	2,411	336
Superphosphates	25,781	30,151	22,991
Basic slag	2,879	4,725	1,811

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Superphosphates	13,936	15,408	(a)
Egypt—			
Superphosphates	22,179	39,710	66,825
Basic slag	7	1	—
Morocco—			
Phosphates.. .. .	5,256	3,803	3,728
Tunis—			
Phosphate-rock	19,213	8,604	—
Superphosphates	4,480	6,298	1,486
Basic slag	2,684	1,083	428
Cuba—			
Superphosphates, etc.	3,774	861	(a)
United States—			
Phosphate-rock	6,375	7,725	—
Other crude phosphates	89	—	—
Superphosphates	21,881	23,705	16,308
Basic slag	2,189	863	131
Chile—			
Superphosphates	1	1,008	3
Basic slag	2,657	79	—
China—			
Superphosphates	1,310	1,184	2,109
Formosa—			
Phosphate-rock	5,500	2,500	(a)
Superphosphates	41,143	49,317	(a)
French Indo-China—			
Superphosphates	1,207	1,132	674
Japan (total imports)—			
Phosphate-rock	550,583	692,572	671,766
Korea—			
Phosphate-rock	—	—	20,735
Superphosphates	38,578	55,847	61,163
Netherlands East Indies—			
Superphosphates	3,475	3,716	4,259
Philippine Islands—			
Superphosphates	1,165	889	2,003
Syria and Lebanon—			
Phosphates.. .. .	307	217	876

(a) Information not available.

PLATINUM

PRODUCTION OF PLATINUM METALS

(Troy ounces)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Sierra Leone—			
Crude platinum	531	423	474
Union of South Africa—			
Crude (<i>Pt metals content</i>)	7,766	—	26,370
Concentrates (<i>Pt metals content</i>)	1,480	2,386	11,372
Osmiridium (crude)	6,523	6,712	5,088
Canada—			
Crude platinum (<i>Pt content</i>)	59	40	53
Recovered from Ontario nickel-copper matte :			
Platinum	27,284	24,746	116,177
Palladium	29,727	} 31,009	83,932
Other metals	7,886		
New South Wales—			
Crude platinum	336	113	180
Tasmania—			
Osmiridium (crude)	785	548	488
New Zealand—			
Crude platinum	—	4	—
Papua (years ended June 30)—			
Crude platinum	2	—	89
Osmiridium (crude)	1	29	4
FOREIGN COUNTRIES			
U.S.S.R. (Russia)—			
Crude platinum (estimated)	100,000	100,000	100,000
Abyssinia (<i>b</i>)—			
Crude platinum	8,217	6,650	5,612
Belgian Congo—			
Palladium	2,025	559	3,588
Platinum	—	—	1,260

(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 produced in these years contained the following amounts of the metals mentioned below (fine ounces) :—

	1932	1933	1934
Osmium	1,603	2,602	1,858
Iridium	1,365	2,082	1,706
Ruthenium	655	1,071	713
Platinum	616	876	670
Rhodium	25	30	30

PRODUCTION OF PLATINUM METALS (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
United States (b)—			
Crude platinum	1,074	1,266	(a)
New platinum metals recovered by refineries from gold and copper ores of domestic origin—			
Platinum	1,694	1,050	1,062
Palladium	1,147	698	1,271
Iridium, osmiridium, etc. ..	3	9	2
Colombia—			
Crude platinum	40,478	45,971	54,768
Japan—			
Crude platinum	266	206	(a)

(a) Information not available.

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

	1932	1933	1934
Platinum	21,635	35,073	35,494
Palladium	5,783	4,814	5,606
Iridium	3,726	692	1,328
Others	1,444	783	1,328

EXPORTS OF PLATINUM.*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum	—	277	} 14,382
Refined platinum	6,889	14,946	
Alloys	247	1,637	
Sierra Leone—			
Unrefined platinum	494	325	339
Union of South Africa—			
Osmiridium	5,384	6,113	5,776
Platinum	7,800	26,133	22,014
Canada—			
Concentrates, etc. (<i>Pt metals con-</i> <i>tent</i>) (b)	14,570	29,228	133,072
Scrap	50	189	410
Australia—			
Bars, blocks, rods, plates, etc. ..	1,103	747	2,070
Osmiridium	1,067	637	286
New Zealand—			
Refined platinum	22	19	35
Papua (years ended June 30)—			
Osmiridium	1	—	—
Platinum	—	—	96
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire	30	—	60
Belgium-Luxemburg E.U.—			
Unwrought platinum	(£111,900)	(£63,200)	(£57,100)
France—			
Unwrought platinum and scrap ..	14,564	14,371	13,150
Drawn or rolled platinum	7,170	9,677	5,273
Germany—			
Platinum metals and alloys	22,342	82,177	72,304
Italy—			
Sheets, bars, dust, scrap, etc. ..	1,262	1,656	2,946

* 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.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Unwrought platinum	1,190	5,208	7,684
Poland—			
Ingots, sheets, wire, etc. ..	48	9	83
Sweden—			
Unwrought platinum	99	219	64
Switzerland—			
Unwrought platinum	1,061	3,504	10,095
U.S.S.R. (Russia)	(b)	(b)	(b)
United States—			
Ingots, sheets, wire, etc. ..	20,106	23,686	1,897
Colombia—			
Platinum	16,051	45,901	54 219

(a) Information not available.

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

	1932	1933	1934
United Kingdom	—	5,834	(a)
France	5,626	20,384	(a)
Germany	79,367	78,419	17,174
United States	226	23,835	12,763
Japan	3,504	23,869	21,139

IMPORTS OF PLATINUM*

*(Less Re-exports)**(Troy ounces)*

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum	2,196	5,069	} 17,461
Refined platinum	(b) 39,345	6,224	
Alloys	207	364	
Canada—			
Bars, sheets, wire, etc.	(£7,459)	(£10,895)	(£10,314)
Crucibles	(£2,164)	(£2,889)	(£2,295)
Australia—			
Bars, rods, plates, etc.	380	486	673
New Zealand—			
Bars, sheets, wire, etc.	49	87	147
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire	800	1,500	3,600
Belgium-Luxemburg E.U.—			
Unwrought platinum	(£17,600)	(£74,400)	(£54,700)
Bulgaria—			
Ingots, bars, sheet and wire	28	14	47
Denmark—			
Rods, sheets and wire	96	289	161
Finland (total imports)—			
Unwrought platinum	21	57	98
France—			
Unwrought platinum and scrap	32,086	59,222	37,423
Drawn or rolled platinum	3,987	4,855	4,533
Germany—			
Platinum metals and alloys	107,605	114,151	73,641
Hungary—			
Bars, sheets and wire	64	996	1,286

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

(b) Excess of re-exports.

IMPORTS OF PLATINUM (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Italy—			
Bars, dust and scrap	3,579	6,695	13,495
Sheets and foil	37	12	142
Wire	38	48	26
Latvia—			
Ingots, sheets and wire	9	14	59
Netherlands—			
Unwrought platinum	2,797	9,067	9,292
Norway—			
Sheets, rolled and wire	30	320	900
Poland—			
Ingots, sheets, wire, etc.	274	966	2,190
Roumania—			
Ingots, sheets and wire	318	375	650
Spain (total imports)—			
Unwrought platinum	965	—	392
Bars, sheets, wire, etc.	961	328	35
Sweden—			
Unwrought platinum	3	548	119
Switzerland—			
Unwrought platinum	1,254	2,958	10,224
Egypt—			
Ingots, bars, sheets, etc.	339	828	1,222
Cuba (total imports)—			
Bars and sheets	193	—	(a)
United States—			
Ore (<i>Pt content</i>)	160	5	—
Ingots, sheets, etc.	33,058	111,278	133,298
Iridium	1,397	5,513	2,922
Osmium and osmiridium	5,326	5,667	5,403
Palladium	15,445	37,790	29,954
Rhodium and ruthenium	661	1,827	2,734
Brazil (total imports)—			
Ingots, sheets and wire	204	588	2,025
Chile—			
Ingots, bars, scrap, etc.	6	170	194
Venezuela—			
Unwrought platinum	16	(a)	(a)
Japan (total imports)—			
Platinum	11,075	33,137	38,960

(a) Information not available.

POTASH MINERALS

PRODUCTION OF POTASH
(Long tons)

Producing Country and Description.	1932	1933	1934	K ₂ O Content or Equivalent.		
				1932	1933	1934
BRITISH EMPIRE						
Palestine—						
Chloride, 80% KCl	9,009	11,461	14,013	5,680	7,230	8,840
Carnallite ..	10,000	(a)	(a)	5,000	(a)	(a)
India—						
Nitrate (estimated)	9,000	9,900	9,000	4,300	4,800	4,300
Total (estimated)				9,300	12,000	13,100
FOREIGN COUNTRIES						
France (c)—						
K ₂ O equivalent—						
Sylvinite, etc. :						
12-16% ..	109,158	131,015	118,810	} 321,314	} 321,353	} 372,946
18-22% ..	385,573	497,692	463,180			
30-40% ..	94,553	122,277	168,903			
50% and over ..	336,677	284,039	323,583			
Germany—						
Kainite, sylvinite, etc. ..	5,688,310	6,614,188	8,656,471	797,314	945,654	} (b) 1,200,854
Carnallite, etc. ..	625,896	632,298	808,384	60,278	64,254	
Italy—						
Leucite ..	43,000	—	—	(a)	—	—
Alunite ..	700	526	(a)	70	50	(a)
Poland—						
Kainite ..	44,108	61,549	84,811	4,900	} 57,387	} 10,200
Sylvite ..	249,996	232,870	210,528	74,400		
Langbeinit ..	—	—	1,447	—		
Spain—						
Chlorides, etc. ..	99,776	238,660	(a)	53,945	89,674	137,369
Nitrified earth ..	738	500	(a)	(a)	(a)	(a)
U.S.S.R. (Russia) (d)						
Chloride, 85% KCl	(a)	34,962	149,697	} (a)	} 30,500	} 93,500
do. 98% KCl	(a)	1,322	7,864			
Mixed 65% KCl	(a)	21,808	102,211			
Egypt—						
Crude salts ..	8	4	—	(a)	(a)	—
United States—						
Crude salts ..	127,786	297,420	246,189	55,348	128,016	128,877
Korea—						
Alunite (impure)	16,062	26,790	55,439	(a)	(a)	(a)
Total ..				1,370,000	1,640,000	2,000,000
WORLD'S TOTAL				1,380,000	1,650,000	2,000,000

(a) Information not available.

(b) Sales.

(c) Crude salts mined were as follows—1932—1,889,721 long tons.

1933—2,162,000 " "

1934—2,021,942 " "

(d) Sylvinite (22% KCl) mined was—1933—298,306

1934—985,780

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts	367	95	143
Chromate and bichromate ..	737	785	703
Nitrate	994	1,146	1,632
Other compounds	1,553	1,794	1,288
Aden (including re-exports)—			
Compounds	268	310	402
British India—			
Nitrate	8,289	9,477	8,314
British Malaya (including re-exports)—			
Nitrate	185	226	395
Hong Kong (including re-exports)—			
Nitrate	72	132	541
Chlorate	1,046	1,086	1,012
FOREIGN COUNTRIES			
Austria—			
Fertilizer salts	5	—	—
Carbonate	37	288	376
Caustic potash	4	8	—
Chloride	—	43	—
Nitrate	305	242	328
Belgium-Luxemburg E.U.—			
Fertilizer salts	100,729	150,625	153,609
Carbonate	2,305	1,509	3,160
Caustic potash and lyes	1,762	2,545	1,826
Chloride	66,956	74,878	106,410
Chlorate	118	53	28
Chromates, including those of sodium	536	541	108
Nitrate	260	1,243	275
Sulphate	2,982	25,244	48,830
Bulgaria—			
Carbonate	—	15	—
Czechoslovakia—			
Fertilizer salts	1	17	8
Carbonate	1,423	1,307	1,753
Chloride	645	128	637

EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—(cont.)			
Manganate and permanganate, including those of sodium ..	679	895	853
Nitrate	24	25	15
Sulphate	635	315	237
Finland—			
Chlorate	975	524	1,158
France—			
Kainite	37	2	(a)
Carbonate	690	800	1,319
Caustic potash	5,404	5,167	7,537
Chlorate	2,348	1,602	(a)
Chloride	316,662	407,613	532,576
Chromates	4	8	(a)
Nitrate—			
Natural	485	575	} 1,573
Synthetic	1,732	1,518	
Permanganate	390	483	367
Sulphate	2,809	14,194	10,574
Germany—			
Fertilizer salts	453,724	506,030	692,910
Carbonate and wool grease ash ..	12,031	14,763	13,474
Caustic potash	30,203	31,690	25,257
Chlorate	10,631	10,611	7,221
Manganate and permanganate ..	570	643	508
Nitrate	27,982	23,332	22,746
Sulphates and chloride	219,237	221,118	292,222
Hungary—			
Fertilizer salts	84	172	104
Carbonate	761	646	859
Italy—			
Fertilizer salts	36	60	10
Carbonate	4	249	4
Caustic potash	8	3	1
Chloride	15	14	6
Nitrate	1	1	1
Netherlands—			
Fertilizer salts	116	3,214	4,387
Caustic potash	964	1,007	603
Chloride	394	942	1,298
Nitrate	115	44	74
Sulphate	439	193	637

(a) Information not available.

EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Fertilizer salts	59,047	56,914	44,240
Caustic potash	15	18	1
Chlorate	214	276	270
Nitrate	—	35	360
Roumania—			
Chlorate	2	—	6
Spain—			
Fertilizer salts	64,947	195,518	263,083
Caustic potash and soda	261	2,350	667
Sweden—			
Carbonate	11	8	13
Chlorate	4,553	5,374	4,832
Caustic potash	369	606	615
Switzerland—			
Caustic potash	4	3	4
Nitrate (crude)	17,786	19,251	23,618
Nitrate, including nitrate of soda (pure)	1,483	641	771
U.S.S.R. (Russia)—			
Fertilizer salts	(a)	(a)	108,245
Carbonate	(a)	2,730	—
Chlorate	(a)	(a)	447
Chloride	(a)	(a)	36,230
Chromates	(a)	(a)	446
Caustic potash	(a)	(a)	1,633
Nitrate	(a)	(a)	15
Algeria—			
Fertilizer salts	34	52	14
Sulphate	2	5	9
United States—			
Fertilizer salts	1,816	25,017	25,540
Compounds.. .. .	792	1,138	1,894
China—			
Carbonate	15	22	56
Japan—			
Chlorate	274	446	1,946
Iodide	61	48	44

(a) Information not available.

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts	68,092	61,721	89,092
Carbonate	2,846	3,223	3,494
Caustic potash and lyes	5,346	5,501	6,612
Chlorate	1,015	1,123	1,147
Chloride	37,017	35,861	46,456
Nitrate	5,631	5,220	6,043
Sulphate	23,025	27,561	36,010
Other compounds	751	786	1,066
Irish Free State—			
Fertilizer salts (20% K ₂ O)	19	103	3,949
do. (30% K ₂ O)	1,515	1,290	1,542
Chlorate	53	45	60
Chloride	3,358	2,369	2,974
Nitrate	183	212	261
Sulphate	110	(a)	230
Other compounds	35	61	73
Mauritius—			
Nitrate	2,897	4,342	3,439
Sulphate	30	—	(a)
Northern Rhodesia—			
Compounds	45	239	(a)
Southern Rhodesia—			
Compounds	51	9	8
Union of South Africa—			
Fertilizer salts	2,458	3,660	4,728
Nitrate	168	25	99
Other compounds	620	683	1,020
Canada—			
Fertilizer salts	16,977	16,256	23,354
Nitrate	331	298	915
Crude sulphate	1,201	2,185	1,515
Other compounds	1,360	1,672	1,235
Trinidad and Tobago—			
Sulphate	79	228	93
Aden (total imports)—			
Compounds	302	375	369

(a) Information not available.

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
British India (total imports)—			
Bichromate	300	177	241
Chlorate	2,205	2,470	1,495
Chloride	4,192	2,053	4,577
Other compounds	1,164	786	1,979
British Malaya (total imports)—			
Nitrate	224	259	467
Ceylon—			
Kainite	99	255	101
Chlorides	5,269	3,183	7,146
Nitrate refuse	1,974	873	1,969
Sulphate	504	—	115
Hong Kong (total imports)—			
Nitrate	751	783	895
Chlorate	1,128	1,517	1,404
Australia—			
Cyanides, including sodium cyanides	948	998	1,275
Nitrate	411	453	445
Other compounds	1,897	1,841	1,621
New Zealand—			
Kainite	710	685	1,011
Other fertilizer salts	2,607	2,538	5,269
Chlorate	28	58	84
Nitrate	77	69	77
Sulphate	564	658	566
Other compounds	(£9,820)	(£10,116)	(£8,765)
FOREIGN COUNTRIES			
Austria—			
Fertilizer salts	13,351	13,367	27,648
Carbonate	699	141	180
Caustic potash	427	7	166
Chloride	931	1,115	1,362
Chromates	93	290	71
Nitrate	1	4	26
Sulphate	132	50	95
Belgium Luxembourg E.U.—			
Fertilizer salts	193,527	287,792	337,593
Carbonate	1,349	1,818	978
Caustic potash and lyes	11,275	12,500	2,231

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—(cont.)			
Chlorate	698	537	670
Chloride	91,200	109,184	259,423
Chromates, including those of sodium	471	740	685
Manganate and permanganate ..	100	144	96
Nitrate	1,908	2,174	1,132
Sulphate	6,746	6,955	1,941
Bulgaria—			
Carbonate	15	1	1
Caustic potash	13	10	13
Chromates	29	34	33
Nitrate	93	67	68
Sulphate and chloride	6	36	33
Czechoslovakia—			
Kainite	23,609	21,452	23,992
Fertilizer salts (18–24% K ₂ O) ..	1,629	1,102	1,033
do. do. (38–44% K ₂ O) ..	34,984	35,818	50,272
do. do. (other)	40	215	160
Carbonate and nitrate	4	1	2
Chloride	2,079	2,935	3,809
Sulphate	28	26	357
Denmark—			
Fertilizer salts (20% K ₂ O or less)	305	—	15
do. do. (37%–40% K ₂ O)	38,906	48,754	98,247
do. do. (other)	225	233	272
Carbonate	734	786	761
Caustic potash	4,128	3,189	4,236
Chlorate	128	137	146
Chromate	24	22	21
Nitrate	1,674	1,172	666
Sulphate	15	87	—
Estonia—			
Fertilizer salts	2,242	2,347	3,351
Carbonate	16	18	24
Chlorate	47	31	41
Nitrate	21	15	17
Finland (total imports)—			
Fertilizer salts	11,325	14,021	25,193
Carbonate	193	247	207
Caustic potash	25	42	41

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—(cont.)			
Chlorate	3	—	16
Chloride	1	579	588
Chromates	100	117	147
Nitrate	40	60	39
France—			
Alunite	2	1	6
Kainite	57	1	—
Carbonate	799	938	817
Caustic potash	196	247	90
Chlorate	17	14	19
Chromate and bichromate ..	461	594	409
Chloride	7,766	4,762	10,609
Nitrate	9	1	1
Sulphate	589	2	243
Germany—			
Fertilizer salts	15	147	—
Carbonate and wool grease ash ..	195	54	63
Caustic potash	116	195	187
Chlorate	9	29	15
Sulphate	20	—	—
Greece—			
Carbonate	166	393	556
Caustic potash	8	12	16
Nitrate	75	85	87
Hungary—			
Fertilizer salts	496	503	650
Carbonate	1	160	82
Caustic potash	157	190	276
Chlorate	253	207	229
Iceland—			
Fertilizer salts	6	51	(a)
Carbonate	25	16	(a)
Caustic potash	25	23	(a)
Nitrate	5	6	(a)
Italy—			
Fertilizer salts	28,598	30,062	62,048
Carbonate	1,115	1,425	1,511
Caustic potash	2,819	2,510	2,528
Chlorate	75	42	31
Nitrate	1,060	1,137	583

(a) Information not available.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Fertilizer salts	10,037	12,163	7,527
Carbonate	96	85	132
Caustic potash	101	117	118
Chlorate	81	68	42
Chromates	22	11	20
Nitrate	41	51	73
Sulphate	745	448	40
Lithuania—			
Kainite, etc.	441	262	293
Fertilizer salts (20–40% K ₂ O)	1,306	1,132	1,563
do. (other)	512	367	378
Nitrate	100	19	18
Netherlands—			
Kainite	10,964	18,800	13,398
Fertilizer salts (20% K ₂ O)	96,742	210,239	302,026
do. (40% K ₂ O)	52,284	68,929	95,774
Caustic potash	810	770	718
Chloride	2,527	3,628	3,176
Nitrate	1,363	1,951	1,317
Sulphate	333	956	4,831
Norway—			
Fertilizer salts	19,318	16,225	20,471
Carbonate	413	402	534
Caustic potash and lyes	1,323	1,459	1,721
Chloride	112	166	145
Nitrate	94	104	143
Poland—			
Fertilizer salts	47	45	46
Carbonate	218	133	85
Caustic potash	179	166	32
Chlorate	19	46	79
Chloride	381	134	109
Nitrate	197	—	1
Sulphate	320	132	105
Portugal—			
Kainite, etc.	44	49	147
Carbonate	30	39	45
Caustic potash	10	12	14
Chlorate	124	97	129
Chloride	689	1,053	1,087
Nitrate	281	343	219
Sulphate	739	981	1,260
Roumania—			
Fertilizer salts	69	113	185
Carbonate and bicarbonate	88	98	96

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Roumania—(cont.)			
Caustic potash	60	101	94
Chlorate	10	6	11
Nitrate	44	73	78
Spain—			
Fertilizer salts	7,532	2,500	7,197
Carbonate	176	274	181
Caustic potash and soda	327	374	395
Chlorate	20	3	3
Permanganate	12	14	15
Sweden—			
Fertilizer salts (20% K ₂ O)	17,889	18,796	21,339
do. (40% K ₂ O)	45,415	37,688	55,461
do. (other)	893	2,781	4,993
Carbonate	1,253	1,524	1,547
Caustic potash	2,705	2,591	3,659
Chlorate	4	1	6
Chloride	4,072	7,730	7,212
Nitrate	456	396	434
Switzerland—			
Fertilizer salts	22,028	23,857	27,481
Carbonate	369	461	363
Caustic potash—			
Liquid	(b) 130	1,493	2,012
Solid	1,254		
Chloride	968	729	1,396
Nitrate, crude	(a)	236	2
Nitrate purified, including sodium nitrate	287	528	672
U.S.S.R. (Russia)—			
Nitrate	1,352	298	—
Yugoslavia—			
Fertilizer salts	558	762	851
Carbonate	37	43	36
Caustic potash	52	41	71
Chromates	74	42	47
Nitrate	13	11	20
Algeria—			
Fertilizer salts	7,983	7,993	4,481
Carbonate	21	102	23
Caustic potash	32	33	27
Chlorate	25	16	(a)
Nitrate	312	95	49
Sulphate	3,153	1,577	3,988

(a) Information not available.

(b) Including caustic soda.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Fertilizer salts	2,500	155	616
Carbonate	1	8	30
Caustic potash	5	8	27
Chlorate	6	5	48
Chromates, including those of sodium	284	353	401
Manganates	28	23	12
Madagascar—			
Chloride	133	138	71
Nitrate	25	84	154
Sulphate	117	37	128
Morocco—			
Fertilizer salts	2,293	1,115	1,079
Carbonate	258	20	33
Caustic potash	—	248	168
Tunis—			
Carbonate	209	4	8
Chlorate	7	7	8
Chloride	1,542	20	285
Nitrate	17	52	35
Sulphate	167	49	181
Martinique—			
Nitrate	1,564	266	(a)
Sulphate	557	932	(a)
Mexico—			
Chlorate	(a)	(a)	625
Nitrate, including nitrate of soda	1,897	4,426	6,196
United States—			
Kainite	49,374	101,989	114,900
Fertilizer salts	100,927	113,121	79,283
Carbonate	4,666	6,019	5,806
Caustic potash	2,223	3,007	1,793
Chlorates	5,095	6,147	4,822
Chloride	78,284	105,055	126,093
Cyanide	24	38	36
Nitrate	17,927	26,429	32,764
Sulphate	28,071	59,325	61,786
Argentina—			
Bichromate	66	123	94
Carbonate	25	79	67
Caustic potash	105	117	119
Chlorate	42	55	33
Cyanide	25	28	27
Nitrate	172	110	126
Sulphate	1	7	23

(a) Information not available.

IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Brazil (total imports)—			
Caustic potash	18	34	31
Nitrate	2,966	2,568	3,445
Potash and soda ash	8,453	12,713	11,729
Chile—			
Fertilizer salts	20	—	330
Bichromate	60	39	33
Carbonate	19	8	28
Caustic potash	20	28	31
Chlorate	66	74	71
Nitrate	2	3	—
Colombia—			
Carbonate	14	23	7
Caustic potash	10	—	15
Chlorate	76	80	90
Nitrates of potash and soda	1	—	—
Ecuador—			
Bichromate	3	} (a)	(a)
Caustic potash	4		
Chlorate	5		
Peru—			
Fertilizer salts	120	18	252
Caustic potash	15	15	31
Venezuela—			
Carbonate	9	} (a)	(a)
Caustic potash	2		
Nitrate	52		
China—			
Carbonate	—	15	9
Caustic potash	—	34	58
Chromates	186	272	194
Chlorate	4,006	4,571	3,858
Nitrate	1,532	1,029	773
Formosa—			
Chloride	207	314	(a)
Sulphate	863	1,221	(a)
French Indo-China—			
Carbonate	91	55	29
Chlorate	59	158	57
Nitrate	30	51	63
Sulphate	5	80	40

(a) Information not available.

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan (total imports)—			
Bichromate	104	157	77
Chlorate	1,003	542	510
Chloride	13,957	33,175	45,139
Cyanide, including sodium cyanide	448	352	282
Sulphate	18,402	23,011	48,103
“Manchoukuo”—			
Chlorate	137	320	283
Nitrate	129	48	11
Netherlands East Indies—			
Fertilizer salts	313	518	681
Caustic potash	74	61	69
Nitrate	49	63	140
Philippine Islands—			
Chlorate	6	94	80
Sulphate	428	732	682
Syria and Lebanon—			
Fertilizer salts	(a)	609	315
Caustic potash	1	2	3
Chloride	—	18	15
Turkey—			
Carbonate	495	(a)	(a)
Caustic potash	33	(a)	(a)

(a) Information not available.

PYRITES

PRODUCTION OF PYRITES*
(including Cupreous Pyrites)

(Long tons)

Producing Country.	1932	1933	1934	Estimated Sulphur Content.		
				1932	1933	1934
BRITISH EMPIRE						
United Kingdom ..	992	1,132	2,145	(a)	(a)	(a)
Southern Rhodesia	268	10,905	11,528	100	4,400	4,600
Union of South Africa	3,382	3,606	15,518	1,500	1,600	6,900
Canada (c) ..	46,464	52,325	(a)	23,175	25,159	(a)
Cyprus	161,172	211,494	199,472	80,586	105,807	99,736
Australia	274	1,498	12,030	(a)	(a)	(a)
Total ..	213,000	281,000	(a)			
FOREIGN COUNTRIES						
Bulgaria	—	—	20	—	—	9
Czechoslovakia ..	15,393	15,182	17,637	6,465	6,377	7,408
Finland (e) ..	35,668	37,201	70,043	16,407	17,112	32,220
France	187,767	165,762	152,663	85,675	74,700	68,000
Germany	172,449	186,652	226,513	74,154	80,287	97,500
Greece	85,397	181,529	(a)	41,502	88,331	(a)
Italy	508,796	721,129	799,565	233,944	330,421	366,000
Norway	715,538	850,921	945,722	313,951	376,692	418,009
Poland	—	61	(a)	—	(a)	(a)
Portugal	234,116	207,333	215,937	110,000	100,000	100,000
Roumania	5,543	13,800	3,939	2,300	6,364	1,700
Spain	2,091,761	2,183,866	(a)	1,200,000	1,300,000	(a)
Sweden	70,404	84,932	98,984	27,521	32,960	39,461
Yugoslavia	15,470	17,489	22,177	6,400	7,300	10,000
U.S.S.R. (Russia) ..	(a)	372,200	375,900	(a)	(a)	(a)
Algeria	20,825	15,872	13,425	9,576	7,364	6,200
United States (b) ..	189,703	284,311	432,524	66,432	107,778	167,645
Japan	714,606	888,865	1,040,565	290,000	(a)	(a)
Korea	7,017	14,289	39,392	(a)	(a)	(a)
"Manchoukuo" ..	3,563	(a)	(a)	1,300	(a)	(a)
Total ..	5,100,000 (d)	6,200,000	(a)			
WORLD'S TOTAL	5,300,000 (d)	6,500,000	(a)			

* See also Sulphur (page 369).

(a) Information not available.

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

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

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

(e) Pyrite concentrate only.

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

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Iron-pyrites and cupreous pyrites	7,811	7,956	1,525
Canada—			
Pyrites (<i>S content</i>)	15,585	13,703	8,769
Cyprus—			
Cupreous pyrites	177,630	209,970	150,195
FOREIGN COUNTRIES			
France—			
Iron-pyrites	17,970	3,349	8,144
Germany—			
Pyrites, etc.	31,329	32,511	18,491
Greece—			
Iron-pyrites	88,431	135,018	146,637
Italy—			
Iron-pyrites	255,782	299,239	315,757
Netherlands—			
Iron-pyrites	5,459	9,540	5,339
Norway—			
Iron-pyrites	192,841	241,349	280,250
Cupreous pyrites	274,363	325,473	366,162
Poland—			
Iron-pyrites	20	—	—
Portugal—			
Copper ore and cupreous pyrites ..	199,211	281,444	226,247
Roumania	266	—	75
Spain—			
Iron-pyrites	1,303,044	1,681,485	1,791,687
Cupreous pyrites, containing not more than 5% Cu	346,611	196,339	244,770
Copper ore and cupreous pyrites, containing more than 5% Cu ..	14	163	—
Sweden	1,476	2,140	1,050
U.S.S.R. (Russia)	(a)	(a)	1,772
Yugoslavia	10,165	9,936	30,692

(a) Information not available.

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Iron and cupreous pyrites	300,640	295,567	336,039
Irish Free State	21,223	21,478	29,466
Union of South Africa—			
Iron-pyrites	7,000	12,504	13
FOREIGN COUNTRIES			
Austria—			
Iron-pyrites	47,485	58,130	62,607
Czechoslovakia	93,182	122,352	144,001
Denmark	52,596	72,840	107,549
France—			
Iron-pyrites	546,473	449,626	400,501
Germany—			
Pyrites, etc.	640,510	835,692	971,669
Hungary	152	—	(a)
Italy—			
Iron-pyrites	98,160	116,271	117,473
Cupreous pyrites	9,752	4,411	103
Latvia	5,569	16,517	18,108
Netherlands—			
Iron-pyrites	348,278	372,699	312,512
Poland—			
Iron-pyrites	28,372	24,904	30,765
Sweden	119,691	163,128	185,377
Yugoslavia	—	—	945
Algeria	4,019	2,309	9,681
Morocco—			
Iron pyrites	3,479	3,394	—
United States	253,248	374,417	366,315
Norway	—	—	199

(a) Information not available.

QUICKSILVER

PRODUCTION OF QUICKSILVER
(Lb.)

Producing Country.	1932	1933	1934
BRITISH EMPIRE.			
Australia (concentrates)	1,989	47	167
New Zealand	1,500	7,500	3,852
FOREIGN COUNTRIES			
Austria	2,200	440	—
Czechoslovakia	99,329	14,872	(c) 117,000
Italy	2,240,518	1,338,058	972,238
Roumania	168	600	(a)
Spain	1,797,978	1,491,601	(a)
Algeria	90,041	—	—
Mexico	557,176	340,372	348,161
United States	959,272	734,844	1,173,820
Bolivia (exports)	(a)	(a)	50,384
China	44,000	33,000	(a)
Japan	5,256	17,807	(a)
Korea	2,050	(a)	(a)
Turkey	—	1,748	3,192
WORLD'S TOTAL (b)	5,800,000	4,000,000	(a)

(a) Information not available.

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

(c) Estimated.

EXPORTS OF QUICKSILVER, ETC.

(Domestic Produce)

(Lb.)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	947	1,092	2,471
British Malaya (including re-exports)—			
Quicksilver	213	393	250
Hong Kong (including re-exports)—			
Cinnabar	5,100	23,500	26,500
Quicksilver	60,800	50,900	47,100
Vermilion	(£33,703)	(£25,723)	(£21,491)
New Zealand—			
Quicksilver	—	9,000	3,825
Australia—			
Quicksilver	224	—	—
FOREIGN COUNTRIES			
Austria—			
Quicksilver	3,100	400	700
Belgium-Luxemburg E.U.—			
Quicksilver	31,700	84,400	51,600
Czechoslovakia—			
Quicksilver	57,300	2,000	7,300
France—			
Quicksilver	9,300	7,100	3,100
Mercury salts	6,400	6,800	8,400
Germany—			
Cinnabar	21,200	16,300	13,400
Quicksilver and amalgam	65,000	110,900	39,500
Mercury salts	151,700	181,200	122,100
Italy—			
Quicksilver	1,825,600	2,510,600	2,335,100
Chloride of mercury	125,900	31,700	38,400
Sulphide of mercury	20,100	35,500	39,500
Other mercury salts	25,400	19,000	22,900
Netherlands—			
Quicksilver and amalgam	2,205	1,944	2,741

EXPORTS OF QUICKSILVER, ETC. (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland—			
Quicksilver	—	200	—
Spain—			
Quicksilver	1,835,800	3,186,800	2,556,700
Mercury salts	2,238	—	1,016
Sweden—			
Quicksilver	134	798	165
Switzerland—			
Quicksilver	7,524	225	1,370
Algeria—			
Quicksilver	11,500	900	(a)
Mexico—			
Quicksilver	571,775	332,788	331,282
United States—			
Quicksilver	16,264	(a)	(a)
Bolivia—			
Quicksilver	(a)	(a)	50,384
Chile—			
Quicksilver	690	—	2,344
China—			
Quicksilver	7,600	28,200	224,210
Vermilion	2,000	2,754	2,220
“Manchoukuo”—			
Quicksilver	267	—	—

(a) Information not available.

IMPORTS OF QUICKSILVER, ETC.

(Less Re-exports)

(Lb.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	933,884	835,042	1,236,361
Southern Rhodesia—			
Quicksilver	24,521	39,217	23,246
Tanganyika—			
Quicksilver	562	1,101	1,771
Union of South Africa—			
Quicksilver	55,257	64,673	60,465
Canada—			
Cinnabar	7	—	—
Quicksilver	43,230	49,066	246,892
Mercury salts	(£931)	(£372)	(£602)
British Guiana—			
Quicksilver	(a)	(a)	2,590
British India (total imports)—			
Quicksilver	332,749	239,090	219,163
British Malaya (total imports)—			
Quicksilver	4,797	2,895	3,166
Hong Kong (total imports)—			
Cinnabar	2,100	3,600	3,200
Quicksilver	251,200	228,400	168,400
Vermilion	(£3,662)	(£5,240)	(£3,579)
Australia—			
Quicksilver	29,000	42,255	49,815
Mercury salts	14,400	25,594	16,063
New Zealand—			
Quicksilver	3,897	5,308	4,460
FOREIGN COUNTRIES			
Austria—			
Quicksilver	20,700	15,400	24,700
Belgium-Luxemburg E.U.—			
Quicksilver	157,200	210,500	177,000
Sulphide of mercury	2,400	2,400	2,900
Mercury salts	4,900	4,900	2,900
Bulgaria—			
Quicksilver	1,664	4,907	730
Czechoslovakia—			
Quicksilver	59,400	72,100	97,700

(a) Information not available.

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Quicksilver	5,100	7,100	5,100
Estonia—			
Quicksilver	518	829	492
Mercury salts	1,027	1,206	1,054
Finland (total imports)—			
Cinnabar	4,643	3,186	1,552
Quicksilver and amalgam ..	3,020	3,490	3,135
France—			
Quicksilver	334,200	324,300	236,600
Mercury salts	62,400	57,100	62,200
Germany—			
Cinnabar	700	—	—
Quicksilver and amalgam ..	787,500	1,076,700	1,433,700
Mercury salts	98,300	29,800	7,900
Greece—			
Quicksilver	2,866	2,923	4,308
Hungary—			
Quicksilver	9,900	12,300	(a)
Mercury sulphide	900	1,100	1,300
Italy—			
Quicksilver	400	200	200
Mercury salts	1,500	4,600	4,400
Latvia—			
Quicksilver	1,567	1,629	800
Mercury salts	3,660	2,526	2,048
Lithuania—			
Quicksilver	1,100	700	900
Netherlands—			
Quicksilver and amalgam ..	15,748	17,148	16,940
Norway—			
Quicksilver	(a)	2,751	3,772
Poland—			
Cinnabar	1,800	1,300	400
Quicksilver	26,900	25,100	46,100
Mercury salts	14,800	71,000	13,200
Portugal—			
Quicksilver	62,600	12,491	15,532
Mercury salts	18,983	14,641	10,922
Roumania—			
Quicksilver	15,818	19,782	16,621
Mercury salts	8,602	7,679	9,830

(a) Information not available.

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Spain—			
Quicksilver	220	900	—
Mercury salts	1,609	2,996	3,245
Sweden—			
Quicksilver	49,115	94,360	68,334
Switzerland—			
Quicksilver	27,489	44,648	18,964
U.S.S.R. (Russia)—			
Quicksilver	2,000	—	200
Mercury salts	(a)	(a)	2,000
Yugoslavia—			
Quicksilver and amalgam	9,209	18,689	9,515
Mercury salts	8,741	15,783	11,834
Algeria—			
Quicksilver	1,100	1,300	(a)
Mercury salts	400	200	—
Angola—			
Quicksilver	—	243	24
Egypt—			
Quicksilver	5,697	2,826	3,505
Morocco—			
Quicksilver	3,891	2,165	1,105
Mozambique—			
Quicksilver	49	6,460	(a)
Tunis—			
Quicksilver	700	400	—
Mercury sulphide	700	900	—
Cuba (total imports)—			
Quicksilver	661	1,164	(a)
United States—			
Quicksilver	616,649	1,714,164	774,564
Mercury salts	2,179	1,760	1,539
Argentina—			
Quicksilver	16,557	16,052	24,198
Mercury salts	13,397	15,595	12,734
Brazil (total imports)—			
Quicksilver	16,837	16,460	8,800
Chile—			
Quicksilver	2,066	20,000	7,866
Mercury salts	2,332	3,172	3,128
Colombia—			
Quicksilver	8,794	14,625	12,463
Mercury salts	9,385	7,377	3,523

(a) Information not available.

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Dutch Guiana—			
Quicksilver	(a)	917	2,024
Ecuador—			
Quicksilver	190	(a)	(a)
Mercury salts	708	(a)	(a)
French Guiana—			
Quicksilver	5,500	2,000	2,000
Peru—			
Quicksilver	1,283	2,685	10,534
Mercury salts	937	844	1,662
Venezuela—			
Quicksilver	4,661	(a)	(a)
Mercury salts	379	(a)	(a)
China—			
Cinnabar	27,368	6,571	7,637
Quicksilver	49,600	52,700	39,286
Vermilion (b)	83,500	99,400	73,200
Formosa—			
Vermilion and cinnabar	8,111	9,884	(a)
French Indo-China—			
Cinnabar	6,600	12,100	6,600
Quicksilver	3,100	3,500	2,600
Vermilion	6,600	6,800	4,200
Japan (total imports)—			
Quicksilver	751,300	813,638	1,097,902
Korea—			
Quicksilver	53,175	65,823	58,227
“ Manchoukuo ”—			
Vermilion	35,601	31,601	84,905
Netherlands East Indies—			
Quicksilver	5,390	5,470	7,516
Syria and Lebanon—			
Quicksilver	611	1,246	445
Turkey—			
Quicksilver	4,453	(a)	(a)
Mercury salts	7,225	(a)	(a)

(a) Information not available.

(b) Imports of artificial vermilion amounted to 810,800 lb., 961,500 lb. and 788,152 lb. during 1932, 1933 and 1934 respectively.

SALT

 PRODUCTION OF SALT
 (Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Rock-salt	19,567	21,596	20,848
Brine-salt	2,196,632	2,342,579	2,499,025
Malta	1,200	1,200	2,200
Mauritius (estimated)			
Sea-salt	1,500	1,500	1,500
Nigeria (estimated)	400	400	400
Somaliland (exports)—			
Sea-salt	2,003	2,704	3,161
South West Africa	2,069	3,094	2,756
Anglo-Egyptian Sudan	9,223	(a)	24,421
Tanganyika Territory	6,607	7,209	7,301
Uganda	(b) 723	(b) 1,492	(a)
Union of South Africa	(a)	86,782	(a)
Canada	233,283	258,401	289,319
British West Indies (exports)—			
Sea-salt—			
Bahamas.. .. .	250	2,820	3,143
Leeward Islands	759	34	1,336
Turks and Caicos Islands	20,625	24,566	18,663
Ceylon	17,703	8,222	(a)
Cyprus (estimated)	3,000	3,000	3,000
India (including Aden)—			
Rock-salt	172,043	170,164	} 1,963,702
Salt	1,438,818	1,542,220	
Palestine—			
Rock-salt	964	864	(a)
Other salt	7,919	8,272	9,241
Australia—			
Victoria (estimated)	50,000	50,000	50,000
Western Australia.. .. .	2,771	(a)	2,670
South Australia	60,063	58,587	61,083
Total* ..	4,200,000	4,600,000	5,000,000

* See page 349.

(a) Information not available.

(b) Excluding production of Kibero.

PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Rock-salt	799	1,058	850
Brine-salt	167,876	138,447	161,146
Bulgaria—			
Rock-salt	3,327	5,590	(a)
Sea-salt, etc.	32,000	10,000	(a)
Czechoslovakia—			
Rock-salt	169,221	148,987	} 154,992
Brine-salt	5,390	5,105	
France—			
Rock-salt and brine-salt	1,460,385	1,773,569	1,641,473
Sea-salt	164,126	(a)	(a)
Germany—			
Rock-salt	2,082,274	1,824,564	1,991,618
Brine-salt	477,713	419,564	502,032
Greece—			
Sea-salt (estimated)	100,000	100,000	100,000
Italy—			
Rock-salt and brine-salt	327,066	338,657	387,094
Sea-salt	589,137	696,452	566,212
Netherlands (sales)	59,805	63,923	73,578
Poland	380,648	442,393	366,326
Roumania—			
Rock-salt	283,520	273,615	305,041
Spain—			
Rock-salt	150,272	154,280	(a)
Brine-salt and sea-salt	793,780	760,260	(a)
Switzerland	81,386	79,079	80,307
Yugoslavia (brine-salt)	52,011	43,156	41,260
U.S.S.R. (Russia)	2,617,000	2,900,000	(a)
Algeria—			
Rock-salt and sea-salt	56,695	77,632	42,207
Abyssinia (estimated)	10,000	10,000	10,000
Angola (estimated)	10,000	10,000	10,000
Belgian Congo	662	878	(a)
Canary Islands (estimated)	2,000	2,000	2,000
Egypt (exports)	139,852	134,271	283,913

(a) Information not available.

PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French Morocco—			
Rock-salt	(a)	1,557	1,047
French Somaliland (exports)	30,306	33,755	34,936
French West Africa	1,565	(a)	(a)
Italian Somaliland	156,600	212,900	(a)
Tripoli (estimated)	22,000	22,000	22,000
Tunis	90,817	85,000	85,592
Mexico (estimated)	80,000	80,000	80,000
Panama (estimated)			
Crude salt	50,000	50,000	50,000
United States—			
Rock-salt	1,414,938	1,593,743	1,708,198
Brine-salt	2,473,054	3,090,202	3,051,285
Evaporated salt	1,833,412	2,106,209	2,037,012
Cuba	31,250	(a)	(a)
Argentina	178,277	202,321	(a)
Brazil	210,829	150,627	76,540
Chile	26,190	30,000	(a)
Colombia (estimated)—			
Rock-salt	24,000	24,000	24,000
Brine-salt	28,000	28,000	28,000
Sea-salt	25,000	25,000	25,000
Ecuador	14,722	12,803	(a)
Guatemala	9,000	(a)	(a)
Peru	31,000	33,000	(a)
Venezuela	23,275	(a)	(a)
China (estimated)	2,500,000	2,500,000	2,500,000
Formosa	103,588	166,939	(a)
French Indo-China	226,400	113,000	158,000
Japan (c)	563,455	620,745	684,000
Korea	136,000	136,000	136,000
Netherlands East Indies—			
Government production	204,340	83,265	(a)
Native production.. .. .	28,211	23,740	(a)

(a) Information not available.

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

PRODUCTION OF SALT (*Cont.*)

Producing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
"Manchoukuo"	220,289	303,946	(a)
Philippine Islands	34,938	37,339	(a)
Portuguese India (estimated)	12,000	12,000	12,000
Syria (estimated)	10,000	10,000	10,000
Turkey	216,000	300,000	(a)
Total*	21,000,000	22,000,000	23,000,000
WORLD'S TOTAL*	25,000,000	27,000,000	28,000,000

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

(a) Information not available.

EXPORTS OF SALT

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Refined salt	4,287	4,988	} 266,465
Other salt	294,893	253,472	
Anglo-Egyptian Sudan	1,153	2,971	18,957
Gold Coast	178	130	23
Kenya and Uganda	191	231	222
Somaliland—			
Sea-salt	2,003	2,704	3,161
Tanganyika Territory	2,428	2,762	3,157
Union of South Africa	6,123	7,199	6,007
Canada	5,024	4,764	5,890
British West Indies—			
Bahamas (c)	250	2,820	3,143
Leeward Islands (b)	759	34	1,336
Turks and Caicos Islands (c)	20,625	24,566	18,663
Aden (including re-exports)	308,470	259,117	284,514
British India (including re-exports)	71,141	63,985	63,120
British Malaya (including re-exports)	10,837	9,675	8,099
Cyprus	100	3	—
Hong Kong (including re-exports)	2,819	7,300	11,988
Australia—			
Rock-salt	4	5	28
Refined salt (<i>£ Australian</i>)	(£609)	(£586)	(£448)
Other salt	10,201	11,143	11,876
FOREIGN COUNTRIES			
Austria	2,247	10,768	25,020
Belgium-Luxemburg E.U.—			
Common salt	725	825	478
Refined salt	955	600	530

(b) Including inter-presidency trade.

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

EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Refined salt, etc.	11	3	—
Denmark—			
Refined salt, etc.	14	23	33
France	128,480	130,913	136,573
Germany—			
Rock-salt, sea-salt, etc.	705,231	656,749	667,017
Greece	49	15,058	25,858
Italy—			
Rock-salt and sea-salt	56,611	101,554	130,652
Latvia	177	—	—
Netherlands—			
Rock-salt and sea-salt	19	24	11
Refined salt and waste	21,456	24,668	29,764
Norway	2	178	46
Poland—			
Refined salt	22,126	11,108	} 12,024
Other salt	7,108	8,328	
Portugal	54,179	54,441	55,618
Roumania	32,538	36,569	61,780
Spain—			
Common salt	463,398	406,978	394,238
Sweden	792	1,388	1,041
U.S.S.R. (Russia)	105,460	153,055	122,379
Algeria	38,246	49,063	28,990
Belgian Congo	88	23	37
Canary Islands (including re-exports)	12	15	(a)
Cape Verde Islands	9,775	10,700	15,685
Egypt—			
Common salt	139,852	134,271	283,913
French West Africa	1,235	3,454	1,182
French Somaliland	30,306	33,755	34,936
Madagascar—			
Sea-salt	113	10	1
Morocco	6	—	—
Mozambique	2,538	3,587	2,171
Spanish Africa (including re-exports)—			
Ceuta	—	20	(a)
Melilla	293	359	(a)

(a) Information not available.

EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Tunis (including re-exports)—			
Rock-salt and sea-salt	68,572	45,452	42,540
Mexico	—	91	17
United States	56,769	93,909	94,076
Netherlands West Indies	11,232	9,250	6,376
Argentina	298	1,007	4,365
Brazil	12	4,257	10,038
Chile	8	6	8
Ecuador	40	(a)	(a)
Nicaragua	—	27	143
China—			
Common salt	274,464	233,177	208,203
Refined salt	11,972	—	—
Formosa	101,574	109,529	(a)
French Indo-China—			
Rock-salt and sea-salt	28,230	68,324	127
Iran (Persia) (including re-exports)(b)	258	276	629
Iraq (c)	—	—	1,476
Japan	3	856	400
“Manchoukuo”—			
Common salt	194,372	184,375	255,684
Semi-refined salt	6,967	23,313	8,484
Refined salt	69,418	24,747	79,047
Philippine Islands	36	64	62
Portuguese India	(a)	(a)	4,914
Siam (including re-exports)	83,898	82,755	123,598
Turkey	14,763	(a)	(a)

(a) Information not available.

(b) Years ended June 21.

(c) Years ended March 31st following.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Refined salt	816	645	} 44,758
Other salt	50,918	48,674	
Irish Free State—			
Refined salt	2,078	1,951	1,638
Other salt	30,365	24,662	30,205
Malta—			
Refined salt	(£535)	(£631)	(£1,241)
Other salt	137	44	288
Anglo-Egyptian Sudan	187	266	355
Gambia	1,317	1,196	2,452
Gold Coast—			
Refined salt	12	14	15
Other salt	7,612	5,934	9,160
Kenya and Uganda	7,995	7,910	6,477
Mauritius	494	999	927
Nigeria	51,877	43,368	45,983
Nyasaland	2,438	2,856	2,533
Northern Rhodesia	1,306	1,427	1,241
Southern Rhodesia—			
Common salt and refined salt ..	4,906	5,767	4,787
Seychelles	162	161	455
Sierra Leone	4,856	4,273	3,690
South West Africa	508	442	833
Tanganyika Territory	624	270	168
Union of South Africa—			
Rock-salt	1,378	520	373
Common salt and refined salt ..	1,381	1,092	1,123
Zanzibar	772	1,480	1,063
Canada (total imports)—			
Salt for use of fisheries	24,819	48,606	51,136
Refined salt	161	123	1,603
Other salt	66,121	72,361	71,185
Newfoundland (total imports, year ended June 30)—			
Salt in bulk	37,591	41,563	52,576
Refined salt	(£3,058)	(£3,016)	(£2,670)
British Honduras	541	432	395

IMPORTS OF SALT (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
British West Indies—			
Barbados	2,295	2,288	1,287
Bermuda	(£3,535)	(£1,611)	(£1,513)
Grenada	498	545	786
Jamaica—			
Rock-salt	196	235	342
Other salt	6,436	7,091	7,251
Leeward Islands (b)	(£265)	(£1,661)	518
St. Lucia—			
Common salt	333	483	566
Refined salt	9	9	8
St. Vincent—			
Rock-salt	263	332	506
Refined salt	14	15	16
Trinidad and Tobago (total imports)—			
Rock-salt	300	530	498
Refined salt	2,415	2,531	2,799
British Guiana—			
Rock-salt	604	1,141	1,039
Refined salt, etc.	789	784	994
Aden (total imports)	3	4	4
British Borneo—			
Brunei	164	156	
Sarawak	2,754	2,730	2,863
State of North Borneo	1,850	1,657	2,050
British India	552,704	336,818	392,162
British Malaya (total imports)	53,919	52,632	55,331
Ceylon—			
Refined salt	27	40	62
Other salt	26	1,818	18,923
Cyprus—			
Refined salt	4	5	3
Hong Kong (total imports)	40,230	41,500	51,802
Palestine (total imports)	144	438	97
Australia—			
Rock-salt	4,740	5,041	5,006
Refined salt	(£16,094)	(£18,156)	(£21,532)
Other salt	2,701	2,558	3,782
Fiji	769	659	640

(a) Information not available.

(b) Including inter-presidency trade.

IMPORTS OF SALT (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
New Zealand (total imports)—			
Refined salt	906	772	1,018
Other salt	33,296	35,847	35,658
Solomon Islands (b)	7	8	(a)
Western Samoa	(£396)	(£450)	(£234)
FOREIGN COUNTRIES			
Austria	6,058	5,107	5,229
Belgium-Luxemburg E.U.—			
Common salt	198,041	214,593	222,135
Refined salt	68,737	70,617	62,248
Bulgaria—			
Rock-salt	23,256	26,336	23,609
Sea-salt	—	5,413	13,393
Czechoslovakia—			
Common salt	124,773	124,916	143,147
Refined salt	51	4	7
Denmark—			
Rock-salt	5,962	7,499	6,791
Refined salt, etc.	92,574	88,276	80,876
Estonia	23,982	20,496	26,985
Finland (total imports)—			
Common salt	75,623	83,170	93,416
France.. .. .	82,172	95,058	77,029
Germany—			
Rock-salt, sea-salt, etc.	25,482	14,955	20,884
Hungary	75,510	63,581	100,205
Iceland—			
Common salt	86,168	111,309	(a)
Refined salt	55	76	(a)
Italy—			
Rock-salt and sea-salt	43,121	5,495	3,638
Latvia—			
Rock-salt	19,510	15,381	20,006
Common salt	9,457	9,868	7,761
Sea-salt	935	2,441	2,691
Refined salt	—	5	10
Lithuania—			
Crude salt	6,181	7,620	4,109
Refined salt	27,358	25,952	28,281

(a) Information not available.

(b) Years ended March 31 following.

IMPORTS OF SALT (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Rock-salt	80,380	79,238	73,870
Sea-salt, etc.	25,899	26,868	37,430
Refined salt and waste	913	1,868	2,747
Norway—			
Rock-salt	35,275	23,306	19,362
Common salt	124,291	154,603	175,130
Poland—			
Refined salt	1,021	570	} 969
Other salt	409	596	
Portugal	42	37	15
Spain—			
Common salt	4	154	33
Sweden—			
Common salt	125,633	146,325	152,892
Switzerland	666	741	726
U.S.S.R. (Russia)	(a)	(a)	31,601
Yugoslavia—			
Rock-salt	9,517	11,621	10,277
Sea-salt	22,538	37,799	36,352
Abyssinia	13,084	9,363	12,857
Algeria	12,200	10,316	8,752
Belgian Congo	11,908	11,174	12,224
Cameroon (French)	5,291	4,283	4,380
Canary Islands (total imports)	20	45	(a)
Egypt—			
Common salt	60	74	81
French Equatorial Africa	2,237	2,343	2,295
French Somaliland	7	12	20
French Togoland	3,094	1,889	3,040
French West Africa	14,252	17,796	18,203
Madagascar	6,342	3,205	279
Morocco	7,262	10,464	11,792
Mozambique	474	399	(a)
Portuguese Guinea	688	1,330	(a)
Réunion	950	1,021	851
Spanish Africa (total imports)—			
Ceuta	1,161	1,028	(a)
Melilla	185	77	(a)
Cuba (total imports)	17,846	8,206	(a)

(a) Information not available.

IMPORTS OF SALT (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French West Indies—			
Guadeloupe	542	1,136	1,299
Martinique	1,297	1,966	2,148
Mexico	1,477	1,016	1,830
Nicaragua (total imports)	273	271	284
Paraguay	(a)	8,846	(a)
St. Pierre and Miquelon	2,000	—	7,000
United States	30,227	26,283	47,432
Argentina—			
Rock-salt	983	995	967
Sea-salt	13,600	7,800	6,500
Refined salt	605	748	283
Brazil (total imports)	23,768	10,274	10,043
Chile—			
Common salt	54	59	84
Refined salt	8	—	1
Colombia	30	14	35
Dutch Guiana	803	514	625
French Guiana	390	300	295
Peru	—	2	49
Uruguay—			
Sea-salt	28,527	43,781	(a)
French Indo-China	270	183	153
Iran (Persia) (c)—			
Common salt	3,942	2,060	1,669
Refined salt	20	13	3
Iraq (b)	20	10	12
Japan (total imports)	453,167	873,225	1,059,477
Korea	217,263	189,320	160,794
Netherlands East Indies—			
Refined salt	374	265	205
Other salt	5,370	5,418	2,941
Philippine Islands	198	257	3,281
Syria and Lebanon—			
Refined salt	836	118	} 10,800
Other salt	4,250	10,658	
New Caledonia	189	447	498

(a) Information not available.

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

(c) Total imports for years ended June 21.

SILVER

PRODUCTION OF SILVER ORE

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	16,043	37,553	138,974
Bechuanaland Protectorate..	1,676	622	957
Gold Coast (estimated) ..	9,000	10,000	11,000
Kenya	1,118	1,613	1,969
Nigeria	85,368	117,480	81,000
Northern Rhodesia	339	25	187
Sierra Leone (estimated) ..	3,000	4,000	6,533
Southern Rhodesia	114,555	112,434	128,381
South West Africa (b)	165,000	—	—
Tanganyika Territory	3,313	3,891	4,876
Union of South Africa	1,120,668	1,065,011	1,002,203
Canada	18,347,907	15,187,950	16,415,282
Newfoundland	1,333,998	1,208,280	1,103,091
British Guiana (estimated) ..	1,830	3,070	3,340
India	6,026,737	6,080,241	5,817,524
Federated Malay States (estimated)	2,400	2,600	2,700
Australia	9,460,369	10,817,162	11,357,091
New Zealand	562,792	430,492	382,615
Total	37,000,000	35,000,000	36,000,000
FOREIGN COUNTRIES			
Austria	18,785	39,062	27,900
Czechoslovakia	1,059,969	980,716	935,000
France.. .. .	410,877	300,602	(a)
Germany	5,993,499	6,320,700	5,568,091
Greece	137,783	593,730	(a)
Hungary	12,814	19,186	(a)
Italy	394,304	342,639	365,600
Norway	314,781	252,493	200,096

(a) Information not available.

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

PRODUCTION OF SILVER ORE (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Poland	69,283	41,377	21,090
Roumania	186,727	353,489	388,018
Spain	3,374,335	2,929,508	(a)
Sweden	668,849	928,203	754,496
Yugoslavia	2,018,100	2,055,000	2,216,000
Algeria	58,835	27,300	37,000
Belgian Congo	1,887,687	2,646,650	3,399,541
Morocco (Spanish zone)	10,330	6,870	(a)
Mozambique	257	224	763
Tunis	5,859	3,858	22,184
Mexico	69,303,119	68,101,062	74,143,301
United States	22,739,681	23,128,783	32,514,118
Guatemala (c)	143,500	26	(a)
Honduras	3,697,017	3,911,686	3,091,522
Nicaragua (c)	55,375	20,859	(a)
Salvador (c)	4,822	174	(a)
Argentina (b)	50,000	50,000	(a)
Bolivia (exports)	4,115,232	5,469,069	5,216,177
Brazil	21,638	23,393	22,275
Chile	73,422	255,078	1,053,073
Colombia	84,000	108,005	(a)
Ecuador	114,167	113,200	(a)
Guiana (French and Dutch) (estimated)	4,200	6,000	(a)
Peru	3,518,753	7,595,180	11,338,212
Venezuela (b)	6,000	6,000	(a)
China	134,000	122,000	(a)
Formosa	174,100	170,000	(a)
French Indo-China	—	—	3,500
Japan	5,260,556	5,967,370	6,882,011
Korea	620,000	750,000	1,050,000
Netherlands East Indies	842,365	860,462	773,999
Philippine Islands	160,177	170,042	226,524
Total*	128,000,000	135,000,000	155,000,000
WORLD'S TOTAL*	165,000,000	170,000,000	191,000,000

* Excluding the production of U.S.S.R. (Russia), figures for which are not available.

(a) Information not available.

(b) Estimates of *United States Mint*.

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

EXPORTS OF SILVER*

(In terms of metal)

(Fine troy ounces)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion	5,000,000	3,400,000	3,800,000
Refined bullion	53,000,000	51,000,000	131,000,000
Nigeria—			
Bullion	30	—	—
Southern Rhodesia—			
Bullion	75,800	98,000	111,000
Union of South Africa—			
Bullion	1,086,000	426,000	429,000
Zanzibar—			
Bullion	—	200	800
Canada—			
Ore, concentrates, etc. .. .	3,226,000	3,110,000	1,600,000
Bullion	12,500,000	9,933,000	10,700,000
British India—			
Bullion—by sea	31,200,000	53,600,000	38,355,000
do. —by land	3,045,000	2,322,000	1,210,000
British Malaya—			
Bullion	1,180,000	800,000	550,000
Hong Kong—			
Bullion	13,000,000	6,000,000	8,000,000
Australia (years ended June 30)—			
Ores, concentrates and matte .. .	2,726,000	3,757,000	1,315,000
Bullion	7,581,000	7,642,000	8,718,000
Cyprus—			
Bullion	—	360	—
New Zealand—			
Concentrates, sweepings, etc. .. .	6,200	7,800	11,900
Bullion	476,000	373,000	323,000
FOREIGN COUNTRIES			
Austria			
Bullion	63,000	170,000	91,000
Belgium-Luxemburg E.U.—			
Bullion and scrap	4,900,000	5,900,000	7,800,000
Beaten, rolled or drawn	13,000	1,000	1,400
Czechoslovakia—			
Bullion	420,000	270,000	110,000

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

EXPORTS OF SILVER (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Bullion	77,000	62,000	90,000
France—			
Bullion	4,200,000	3,000,000	2,000,000
Beaten, rolled or drawn	66,000	73,000	100,000
Germany—			
Bullion	14,000,000	28,000,000	13,000,000
Greece—			
Bullion	3,000	34,000	3,500
Hungary—			
Bullion	8,000	60,000	500
Italy—			
Bullion, etc.	138,000	18,000	72,000
Netherlands—			
Bullion and scrap	500,000	970,000	1,200,000
Norway—			
Scrap	74,000	64,000	58,000
Poland—			
Bullion	76,000	52,000	34,000
Roumania—			
Bullion	90,000	113,000	—
Spain—			
Bullion	2,240,000	1,900,000	550,000
Sweden—			
Bullion	90,000	180,000	270,000
Switzerland—			
Bullion	955,000	960,000	1,680,000
U.S.S.R. (Russia)	(d)	(d)	(d)
Yugoslavia—			
Bullion	1,000	—	83,000
Egypt—			
Bullion and scrap	265,000	70,000	20,000
Cuba—			
Bullion	75,000	11,000	(a)
Honduras (e)—			
Bullion	4,039,000	3,831,000	(a)
Mexico—			
Bullion	40,600,000	36,000,000	45,965,000
Nicaragua—			
Concentrates	28,000	47,000	44,000

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

(e) Years ended July 31 of year stated.

EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Ore and base bullion	19,000	500,000	200,000
Refined bullion	42,287,000	43,000,000	21,700,000
Argentina—			
Bullion	26,000	—	16,000
Bolivia—			
Ores	4,115,000	5,469,000	5,216,000
Chile—			
Ore (excluding mixed ore) ..	13,000	34,000	36,000
Bullion	160,000	1,790,000	680,000
Colombia—			
Bullion	—	41,000	8,000
Peru—			
Ores, concentrates, etc.	1,484,000	1,547,000	3,094,000
Bullion	2,035,000	6,050,000	8,244,000
China—			
Bullion	9,900,000	55,000,000	64,000,000
French Indo-China—			
Bullion	—	—	21,000
Iran (Persia) (<i>b</i>)—			
Bullion	253,000	130	—
Iraq (<i>c</i>)—			
Bullion, etc.	29,000	10,000	5,100
Japan—			
Bullion	7,728,000	5,645,000	8,600,000
Korea—			
Bullion	86,000	260,000	3,100,000
“Manchoukuo”—			
Bullion	260,000	890,000	—
Netherlands East Indies—			
Bullion and scrap	994,000	842,000	727,000

(*a*) Information not available.

(*b*) Years ended June 21.

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

IMPORTS OF SILVER*

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	1,760,000	1,970,000	1,291,000
Unrefined bullion	26,000,000	51,400,000	86,500,000
Refined bullion	48,000,000	64,800,000	72,900,000
Gold Coast—			
Bullion	12,000	60	460
Kenya and Uganda—			
Bullion	200	—	—
Nigeria—			
Bullion	70	700	300
Sierra Leone—			
Bullion	400	800	700
Tanganyika—			
Bullion	—	2,000	—
Union of South Africa—			
Bullion	300	400	400
Canada—			
Bullion	1,800,000	1,800,000	5,000,000
British Guiana—			
Bullion	60	—	—
Trinidad and Tobago—			
Bullion	39,000	15,000	2,900
Ceylon—			
Bullion	135,000	2,000	79,000
Cyprus—			
Bullion	5,600	6,100	7,700
British India—			
Bullion—by sea	4,935,000	3,185,000	16,410,000
do. —by land	11,722,000	6,561,000	12,435,000
British Malaya—			
Bullion	1,300,000	800,000	600,000
Hong Kong—			
Bullion	30,000,000	13,000,000	3,000,000
Australia (years ended June 30)—			
Matte	3,000	—	—
Bullion	26,000	105,000	108,000
New Zealand—			
Bullion	3,500	3,600	5,000

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

IMPORTS OF SILVER (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Austria—			
Bullion	537,000	780,000	460,000
Belgium-Luxemburg E.U.—			
Bullion and scrap	49,000	13,200,000	1,200,000
Beaten, rolled or drawn	13,000	28,000	25,000
Bulgaria—			
Bullion, etc.	7,000	14,000	4,000
Czechoslovakia—			
Bullion	2,997,000	860,000	800,000
Denmark—			
Bullion, etc.	1,336,000	1,500,000	1,600,000
Finland—			
Bullion, etc.	230,000	224,000	270,000
France—			
Bullion	5,300,000	7,200,000	5,800,000
Beaten, rolled or drawn	74,000	80,000	100,000
Germany—			
Ore (b)	(£70)	(£500)	(£150)
Bullion	32,000,000	34,500,000	16,000,000
Scrap	(£186,000)	(£96,000)	(£246,000)
Greece—			
Bullion	100	40	250
Hungary—			
Bullion	94,000	350,000	90,000
Beaten, rolled or drawn	11,000	25,000	102,000
Italy—			
Bullion, etc.	4,100,000	4,900,000	4,100,000
Latvia—			
Bullion, etc.	104,000	52,000	65,000
Lithuania—			
Bullion, etc.	18,000	44,000	42,000
Netherlands—			
Bullion and scrap	1,300,000	1,900,000	1,300,000
Norway—			
Bullion	265,000	300,000	260,000
Beaten, rolled or drawn	295,000	420,000	290,000
Poland—			
Bullion	191,000	352,000	280,000
Portugal—			
Bullion	1,518,000	1,444,000	620,000
Roumania—			
Bullion, etc.	1,000	400	200

(b) Value of ores; silver content not known.

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Spain—			
Bullion	121,000	130,000	122,000
Sweden—			
Bullion	934,000	780,000	900,000
Switzerland—			
Bullion	1,434,000	1,520,000	2,200,000
Yugoslavia—			
Bullion	6,000	3,000	2,400
Algeria—			
Bullion, etc.	21,000	118,000	30,000
Egypt—			
Bullion and scrap	11,000	60,000	47,000
Morocco—			
Bullion, etc.	5,000	4,000	400
Beaten, rolled or drawn	15,000	22,000	22,000
Tunis—			
Beaten, rolled or drawn	54,000	50,000	35,000
United States—			
Ore and base bullion	24,426,000	21,000,000	34,200,000
Refined bullion	34,877,000	141,000,000	141,700,000
Argentina—			
Bullion	15,000	31,000	800
Brazil—			
Bullion	9,000	15,000	17,000
Chile—			
Bullion	200	400	500
Colombia—			
Bullion	520,000	22,000	—
Dutch Guiana—			
Bullion	3,500	2,000	4,500
China—			
Bullion	67,100,000	52,000,000	2,400,000
French Indo-China—			
Bullion, etc.	125,000	50,000	20,000
Beaten, rolled or drawn	50	400	400
Iran (Persia) (years ended June 21)—			
Bullion	—	—	50,000
Iraq (<i>b</i>)—			
Bullion, etc.	21,000	17,000	200

(a) Information not available.

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

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan—			
Bullion	128,000	90,000	200,000
Korea—			
Bullion	98,000	22,000	11,000
“ Manchoukuo ”—			
Bullion	160,000	2,000	—
Netherlands East Indies—			
Bullion and scrap	291,000	304,000	257,000
Siam—			
Bullion	125,000	—	—
Syria and Lebanon—			
Bullion	52,000	52,000	61,000
Turkey—			
Bullion, etc.	1,900	(a)	(a)

(a) Information not available.

STRONTIUM MINERALS

PRODUCTION OF STRONTIUM MINERALS

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Celestite	6,852	3,862	9,440
FOREIGN COUNTRIES			
Germany (Prussia)—			
Strontianite	64	148	341
Tunis—			
Strontium minerals	20	—	—

EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Celestite	2,830	1,350	(a)
FOREIGN COUNTRIES			
France—			
Strontium compounds	2	3	1
Germany (b)—			
Strontianite and witherite	156	255	209
Strontium compounds	19	31	37

(a) Information not available.

(b) Celestite recorded with barytes.

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Czechoslovakia—			
Strontium nitrate	1	2	2
France—			
Strontium compounds	7	17	16
Italy—			
Strontium compounds (b)	7	3	6
Poland—			
Strontianite and celestite	(10 cwt.)	—	—
United States—			
Strontianite and celestite	5	1,083	1,116
Strontium compounds	210	243	120
Chile—			
Strontium compounds	(1 cwt.)	(1 cwt.)	(1 cwt.)
Peru—			
Strontium compounds	51	(8 cwt.)	(4 cwt.)
Turkey—			
Strontium compounds	(8 cwt.)	(a)	(a)

(a) Information not available.

(b) Excluding strontium nitrate.

SULPHUR

PRODUCTION OF SULPHUR*

(Long tons)

Producing Country and Description.	1932	1933	1934	Estimated Sulphur Content.		
				1932	1933	1934
BRITISH EMPIRE						
United Kingdom and Irish Free State— Spent oxide (b) ..	129,000	132,700	156,000	62,300	63,800	74,700
Canada— Smelter gas (d) ..				24,300	26,067	(a)
FOREIGN COUNTRIES						
France— Sulphur rock ..	807	(a)	(a)	79	(a)	(a)
Germany (estimated)— Recovered from gases				12,000	12,000	15,000
Greece— Refined sulphur ..	300	—	(a)	297	—	(a)
Italy— Sulphur ore ..	2,127,000	2,283,381	2,071,265	302,000	323,783	294,000
Crude sulphur (c)— Fused	344,449	370,675	337,965	(a)	(a)	(a)
Ground	25,119	24,569	21,820	(a)	(a)	(a)
Norway (estimated)— Sulphur recovered from pyrites ..				60,000	(a)	(a)
Portugal— Sulphur	—	—	1,411	—	—	(a)

* See also Pyrites (page 336).

(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.	1932	1933	1934	Estimated Sulphur Content.		
				1932	1933	1934
FOREIGN COUNTRIES (Cont.)						
Spain—						
Sulphur rock ..	52,423	53,184	(a)	9,900	10,600	(a)
Refined sulphur (d)	17,151	37,871	(a)	(a)	(a)	(a)
Sulphur recovered from pyrites ..				4,500	(a)	(a)
Sweden—						
Sulphur	—	624	497	—	(a)	(a)
United States—						
Crude sulphur ..	890,440	1,406,063	1,421,473	(a)	(a)	(a)
Sulphur ore ..	100	—	(a)	45	—	(a)
Slurry (b)				2,500	2,500	(a)
Smelter gas (c) ..				220,000	220,000	(a)
Chile—						
Sulphur	11,770	12,557	(a)	(a)	(a)	(a)
China (estimated)—						
Sulphur	6,000	6,000	6,000	(a)	(a)	(a)
Formosa—						
Sulphur	544	(a)	(a)	(a)	(a)	(a)
Japan—						
Sulphur rock ..	2,591	2,657	(a)	1,200	1,200	(a)
Refined sulphur ..	83,195	112,619	126,395	(a)	(a)	(a)
Netherlands East Indies—						
Sulphur	7,531	11,036	12,047	7,509	11,024	12,035
Turkey—						
Sulphur	25	148	198	10	60	80

(a) Information not available.

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

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

(d) Derived partly from sulphur rock above and partly from imported crude sulphur.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	558	775	1,096
Union of South Africa	4	5	2
British Malaya (including re-exports)	24	44	60
Hong Kong (including re-exports)	741	519	666
FOREIGN COUNTRIES			
Austria	12	16	6
Belgium-Luxemburg E.U.	1,877	2,740	2,713
Czechoslovakia	9	9	4
France—			
Rock	894	1,414	672
Crude	2,208	2,209	1,940
Refined lump	5,671	1,310	1,530
Flowers of sulphur	13,566	11,870	14,309
Precipitated sulphur	851	1,523	1,869
Germany—			
Sulphur, etc.	21,207	29,002	28,938
Italy—			
Rock	—	271	38
Crude lump	220,760	137,436	169,094
Crude ground	3,654	10,444	5,790
Refined lump	13,147	19,895	12,008
Refined ground	27,076	36,094	21,813
Flowers of sulphur	4,776	13,532	6,739
Netherlands	61	25	28
Norway	46,116	58,951	63,766
Spain	826	900	2,942
Sweden	3	76	3
Switzerland	32	—	252
Algeria—			
Refined and flowers of sulphur	46	71	126
United States—			
Crude	352,610	522,515	503,312
Refined and flowers of sulphur	7,270	8,763	10,116
Bolivia	(a)	(a)	5,620
Chile	9,407	14,061	17,083
Peru	—	—	1,476
Formosa	359	731	(a)
Japan	25,587	31,607	44,988
Netherlands East Indies	5,493	3,985	3,249

(a) Information not available.

IMPORTS OF SULPHUR

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	70,130	69,574	87,406
Irish Free State	111	134	218
Malta—			
Flowers of sulphur	(£900)	(£718)	(£931)
Mauritius	596	702	472
South West Africa	12	11	24
Union of South Africa—			
Rock-sulphur	7,760	12,285	13,853
Flowers of sulphur	5,237	2,822	1,166
Trinidad and Tobago	61	75	129
British Guiana	39	38	27
Canada	93,745	125,723	140,801
Newfoundland (years ended June 30)	7,007	4,231	6,027
British India (total imports) ..	16,192	20,212	21,209
British Malaya (total imports) ..	179	281	477
Ceylon	123	101	535
Cyprus	154	107	47
Hong Kong (total imports) ..	678	604	1,035
Palestine (total imports)	101	151	145
Australia	77,921	69,078	68,156
Fiji	1	8	1
New Zealand	43,382	28,005	37,042
FOREIGN COUNTRIES			
Austria	6,904	9,957	8,356
Belgium-Luxemburg E.U. . . .	8,909	11,204	11,719
Bulgaria	286	154	159
Czechoslovakia—			
Sulphur	7,713	8,303	9,110
Flowers of sulphur	53	46	58
Denmark	499	675	432

IMPORTS OF SULPHUR (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Crude	6,907	10,068	8,418
Refined	16	18	17
Finland (total imports)	77,890	67,376	60,909
France—			
Rock	45,167	115,629	209,383
Crude	102,206	140,638	126,300
Refined lump	241	8,241	3,008
Flowers of sulphur	1	1,487	2,511
Precipitated	57	98	91
Germany—			
Sulphur, etc.	48,211	45,591	52,100
Greece	11,309	11,128	12,054
Hungary	525	1,458	1,592
Italy	5	25	17
Latvia—			
Crude	1,810	2,100	1,475
Refined and flowers of sulphur	56	63	54
Lithuania—			
Crude	18,351	25,174	29,735
Refined	27	16	31
Netherlands	1,897	2,104	1,926
Norway	11,137	7,822	10,995
Poland—			
Crude	26	603	1,507
Refined	1,506	1,204	839
Flowers of sulphur	46	57	99
Portugal—			
Crude	6,392	13,441	12,995
Flowers of sulphur	1,681	1,598	90
Roumania—			
Crude	949	1,399	1,302
Refined and flowers of sulphur	657	858	919
Spain—			
Crude, unground	10,097	2,622	15
Refined, unground	75	624	—
do. ground, and flowers of sulphur	179	708	661
Sweden	59,119	70,523	81,378
Switzerland—			
Crude and ground	2,308	3,092	3,924
Flowers of sulphur	288	339	383

(a) Information not available.

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
U.S.S.R. (Russia)—			
Crude	856	401	} 4,166
Refined and flowers of sulphur ..	2,109	2,629	
Yugoslavia—			
Crude	897	1,000	1,030
Refined and flowers of sulphur ..	784	1,045	1,867
Algeria—			
Rock	9,623	16,436	5,113
Crude	14,819	12,733	10,230
Refined	386	330	608
Flowers of sulphur	8,801	8,889	8,942
Precipitated	699	1,581	1,474
Angola	129	2	163
Belgian Congo	17	533	2,096
Canary Islands (total imports)—			
Crude	577	694	(a)
Refined and flowers of sulphur ..	1,780	1,708	(a)
Egypt	1,143	1,765	1,899
Madagascar	47	51	68
Morocco	636	865	1,234
Mozambique	296	489	256
Spanish Africa (total imports)—			
Ceuta	3	5	(a)
Melilla	16	12	(a)
Tunis—			
Crude	10,229	7,000	7,040
Refined and flowers of sulphur ..	1,838	1,686	3,083
Cuba (total imports)	24	47	(a)
Mexico	—	5,316	9,688
United States—			
Sulphur ore and sulphur	177	4,960	5,981
Argentina—			
Crude	14,917	20,335	16,016
Refined	146	80	46
Brazil (total imports)	7,581	10,208	10,629
Chile	1	2	1

(a) Information not available.

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Colombia—			
Flowers of sulphur	119	183	142
Ecuador	110	(a)	(a)
Peru	206	258	210
Uruguay	2,181	2,455	(a)
Venezuela	38	(a)	(a)
China	2,114	4,239	5,501
French Indo-China	100	139	155
“ Manchoukuo ”	2,951	2,787	2,541
Netherlands East Indies	5,164	2,626	525
Syria and Lebanon	100	102	72
Turkey	4,537	(a)	(a)

(a) Information not available.

TALC

PRODUCTION OF TALC

(Long tons).

Producing Country.	1932	1933	1934
BRITISH EMPIRE.			
United Kingdom	258	166	—
Union of South Africa	265	276	215
Canada (sales) (e)	10,806	13,554	12,463
India	6,512	17,048	9,375
Australia	1,347	1,769	1,739
FOREIGN COUNTRIES			
Austria (estimated)	25,000	25,000	25,000
Finland	1,599	(a)	(a)
France	67,400	(a)	(a)
Germany (Bavaria)	3,147	5,026	6,824
Greece	608	1,252	(a)
Italy	31,860	33,909	37,042
Norway	13,322	19,571	33,929
Roumania	(d) 1,770	1,094	1,902
Spain (b)	4,577	5,682	(a)
Sweden	4,454	4,630	6,398
Egypt	228	2,491	2,562
Morocco (French) (exports)	824	518	776
United States (sales)	(c) 110,019	148,235	124,022
Argentina	—	20	(a)
Uruguay (exports)	2,584	1,250	865
" Manchoukuo "	43,616	61,444	(a)

Talc is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) In addition the following were quarried : 1,936 cubic yards in 1932 and 3,301 cubic yards in 1933.

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

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

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

1932	£11,700
1933	£10,600
1934	£8,900

EXPORTS OF TALC

(Domestic Produce)

(Long tons)

Exporting Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	68	183	97
Canada	6,970	9,575	8,380
FOREIGN COUNTRIES			
Austria	17,016	20,541	20,346
Belgium-Luxemburg E.U.	81	82	75
Czechoslovakia	58	120	1,410
Finland	55	114	259
France	18,976	18,935	15,891
Germany	592	298	650
Italy	17,066	16,108	18,427
Norway	9,530	15,492	20,306
Roumania	452	511	286
U.S.S.R. (Russia)	(a)	(a)	949
Egypt	3	169	(a)
Morocco	824	518	776
United States	(a)	3,532	4,378
Chile	—	147	931
Uruguay	2,584	1,250	865
" Manchoukuo "	8,338	53,418	60,243

(a) Information not available.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	14,824	18,785	18,828
Seychelles	—	2	3
Canada	1,697	1,919	2,586
Cyprus.. .. .	—	—	166
Australia	332	403	405
FOREIGN COUNTRIES			
Austria	88	45	113
Belgium-Luxemburg E.U.	3,010	3,322	3,058
Czechoslovakia	4,069	3,503	3,586
Denmark	1,088	1,747	1,985
Estonia	120	75	134
Finland (total imports)	1,226	1,005	1,976
France	3,458	4,297	3,659
Germany	17,760	23,120	31,332
Latvia	87	123	124
Lithuania	28	45	49
Poland	1,628	2,525	2,936
Roumania	221	506	181
Yugoslavia	524	645	587
Algeria	109	201	353
Egypt	1,658	1,782	1,542
Morocco	(a)	12	20
Tunis	660	364	441
Mexico	—	327	343
United States (including manu- factures)	17,837	19,594	18,258
Argentina	1,481	1,964	1,691
Chile	36	6	17
Colombia	157	250	20
Peru	67	101	107
Venezuela	20	(a)	(a)
Formosa	2	2	(a)
French Indo-China	28	35	68
Japan (total imports)	34,921	58,409	52,779
Syria and Lebanon	37	35	53
Turkey	24	(a)	(a)

(a) Information not available.

TIN

PRODUCTION OF TIN ORE

(In terms of metal)

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	1,337	1,542	1,999
Nigeria	4,320	3,755	5,000
Southern Rhodesia	4	11	11
South West Africa	65	144	136
Swaziland	59	71	114
Tanganyika Territory	50	59	103
Uganda	261	272	334
Union of South Africa	540	539	570
India	3,168	3,472	4,061
Federated Malay States (shipments)	28,363	23,922	36,385
Unfederated Malay States	1,341	923	1,348
Straits Settlements	38	57	49
Australia	2,138	2,810	2,986
Total	41,700*	37,600	53,100
FOREIGN COUNTRIES			
Argentina	—	68	(a)
Portugal (estimated)	400	500	530
Spain	78	70	(a)
Belgian Congo	689	1,950	4,356
Cameroon (French)	—	60	150
Morocco (French)	—	40	40
Mexico	740	123	16
United States	(8 cwt.)	2	(a)
Bolivia	21,100	17,000	(b)22,638
China	7,572	7,961	8,000
French Indo-China	1,000	1,038	1,134
Japan	1,557	1,538	(a)
Netherlands East Indies	16,789	12,608	19,358
Siam	9,276	10,300	10,157
Total	59,000	53,000	68,000
WORLD'S TOTAL	101,000	91,000	121,000

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

(a) Information not available.

(b) Exports.

SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (estimated) ..	28,500	18,200	26,500
British Malaya (b)	49,945	46,942	49,627
Australia	1,958	2,360	2,330
Total ..	80,000	68,000	78,000
FOREIGN COUNTRIES			
Belgium (estimated)	800	2,700	3,900
France.. .. .	185	50	(a)
Germany	1,871	(a)	(a)
Italy	7	7	184
Netherlands (estimated). ..	3,500	5,000	13,411
Portugal	74	84	39
Norway	242	160	174
China	7,890	7,600	8,000
Japan	987	950	1,163
Netherlands East Indies (exports) ..	8,091	8,792	10,506
Total ..	24,000	27,000	39,000
WORLD'S TOTAL	104,000	95,000	117,000

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

1932 ..	13,170 long tons.
1933 ..	19,732 " "
1934 ..	22,232 " "

(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.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates	182	1	—
Blocks, ingots, bars and slabs ..	12,839	29,216	16,923
Soft solder	2,449	2,388	2,143
Tin-foil	164	251	289
Nigeria—			
Ore	5,967	5,216	7,528
Southern Rhodesia—			
Ore	5	7	11
South West Africa—			
Ore	112	217	196
Tanganyika—			
Ore and concentrates	94	80	128
Uganda—			
Ore	335	428	440
Union of South Africa—			
Ore and concentrates	943	905	755
British India—			
Ore (d)	2,420	2,945	3,466
Blocks, ingots, bars and slabs ..	7,184	878	1,347
British Malaya (including re- exports)—			
Ingots	47,908	53,931	50,186
Hong Kong (including re- exports)—			
Slab and ingot	7,487	7,880	7,250
Australia—			
Ore, dross etc. (<i>Sn content</i>) ..	101	139	137
Ingots	755	1,081	1,193
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys	101	187	69
Belgium-Luxemburg E.U.—			
Ore	66	23	11
Ingots, pigs, scrap, etc.	3,546	2,797	4,269
Sheets, wire, etc.	132	105	119

(d) Excluding tin-tungsten ore.

EXPORTS OF TIN (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Ingots, scrap and alloys	122	130	120
Denmark—			
Crude and scrap	35	62	151
France—			
Ore	330	432	596
Scrap	396	299	432
Pigs, bars, etc.	383	259	257
do. (alloys)	275	298	353
Sheets and wire	52	49	61
Germany—			
Crude, scrap and alloys	3,023	3,534	2,456
Sheets and wire	45	48	24
Tin-foil	121	98	89
Italy—			
Ingots, bars, scrap, sheets, alloys, etc.	93	65	28
Netherlands—			
Blocks	3,038	4,411	11,069
Sheets, wire, etc.	71	69	45
Norway—			
Ingots and bars	112	98	98
Portugal—			
Ore	503	528	693
Spain—			
Ore	106	260	402
Ingots and bars	71	77	68
Sweden—			
Crude and scrap	86	54	51
Switzerland—			
Pigs, bars, slabs, sheets, alloys, etc.	111	130	83
Tin-foil	147	94	54
Scrap	45	71	59
Algeria—			
Ingots, scrap and alloys	25	39	(a)
Belgian Congo—			
Ore	1,088	2,366	6,203
Cameroon (French)—			
Ore	—	75	216
Morocco—			
Ore	(a)	—	47
Scrap	(a)	32	67
Mexico—			
Concentrates	1,085	(b) 121	(b) 3

(a) Information not available.

(b) Sn content.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Argentina—			
Ore	10	1	48
Ingots and bars	(a)	4	11
Bolivia—			
Ores, concentrates, etc. (<i>Sn content</i>)	20,588	14,702	22,835
China—			
Ingots and slabs	2,009	9,459	6,341
Tin-foil	19	17	36
French Indo-China—			
Ore	2,007	1,925	2,017
Ingots and scrap	1	716	1,021
Japan—			
Ore	(a)	(a)	865
Tin-foil	69	26	20
Netherlands East Indies—			
Ore	10,276	7,968	12,409
Ingots	8,091	8,792	10,506
Siam (including re-exports)—			
Ore	12,756	14,263	14,506

(a) Information not available.

IMPORTS OF TIN

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates	47,211	27,391	38,466
Blocks, ingots, bars and slabs ..	2,138	2,560	7,497
Soft solder	16	16	26
Tin-foil	86	38	2
Irish Free State			
Ingots, bars, slabs, etc.	17	23	30
Soft solder	125	125	154
Kenya and Uganda—			
Ore	(b) 3	3	26
Bar, plate, or sheet	889	1,050	1,401
Mauritius—			
Ingots	2	4	(a)
Southern Rhodesia (total imports)—			
Blocks, ingots and bars	29	40	22
South West Africa—			
Bar, sheet, etc.	2	2	2
Union of South Africa (total imports)—			
Blocks, ingots, bars, plates and sheets	123	270	504
Tin-foil	13	18	15
Canada—			
Blocks, pigs and bars	1,406	1,265	1,786
Tin-foil	3	4	16
British India (total imports)—			
Blocks, ingots, bars and slabs ..	2,464	2,083	2,223
Wrought tin	38	18	23
Tin (government stores)	77	123	204
British Malaya (total imports)—			
Ore	28,455	23,142	21,970
Ingots	10	—	52
Ceylon—			
Ingots, slabs, etc.	43	40	45
Plates and sheets	1,091	10	12
Tin solder	28	23	29
Cyprus—			
Ingots and bars	3	6	8

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF TIN (Cont.)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (Cont.)			
Hong Kong (total imports)—			
Slabs and ingots	7,308	7,826	7,111
Australia—			
Ingots	383	1	—
New Zealand—			
Ingots, etc.	140	150	195
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys	641	530	676
Belgium-Luxemburg E.U.—			
Ore	1,161	3,879	5,649
Ingots, pigs, scrap, etc.	3,624	2,393	2,118
Sheets, wire, etc.	33	61	75
Bulgaria—			
Crude, bars, sheets, scrap, etc.	177	97	179
Czechoslovakia—			
Crude, scrap, and alloys	1,481	1,284	1,222
Tin-foil	9	2	3
Denmark—			
Crude and scrap	370	426	572
Sheets, wire, etc.	7	4	23
Tin-foil	54	60	65
Estonia—			
Crude and scrap	24	18	26
Finland (total imports)—			
Ingots, sheets and scrap	167	157	233
Tin solder	10	12	6
France—			
Ore	355	2,420	479
Scrap	109	210	183
Pigs, bars, etc.	8,829	10,044	9,605
do. (alloyed with antimony)	157	181	181
Sheets and wire	110	129	93
Germany—			
Ore	1,829	424	592
Crude, scrap and alloys	11,919	14,637	13,258
Sheets and wire	5	3	5
Tin-foil	9	1	13
Greece	185	160	188

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Hungary—			
Crude and scrap	275	323	448
Foil	14	16	12
Italy—			
Ingots, bars, scrap and alloys ..	3,734	4,050	4,159
Tubes, wire and alloys	10	11	11
Latvia—			
Ingots and scrap	44	54	88
Lithuania—			
Sheets and scrap	17	20	17
Netherlands—			
Ore	6,709	9,324	17,781
Blocks	780	797	833
Sheets, wire, etc.	148	202	82
Norway—			
Crude	310	309	371
Bars, sheets, filings, etc.	109	100	111
Poland—			
Ingots, bars and sheets	571	582	741
Portugal—			
Sheets, wire, etc.	222	174	258
Roumania—			
Ingots, bars and scrap	305	235	352
Sheets, plates, tubes, wire and foil	3	3	3
Spain—			
Ingots and bars	1,726	1,492	1,586
Sheets, tubes and foil	24	11	16
Sweden—			
Crude and scrap	1,195	1,432	1,732
Switzerland—			
Pigs, bars and slabs	1,122	1,025	1,010
Sheets, wire, foil, etc.	16	14	11
Scrap	8	6	7
U.S.S.R. (Russia)—			
Blocks, pigs and scrap	3,848	4,052	5,805
Yugoslavia—			
Crude and scrap	297	139	333
Bars, sheets, wire, foil, etc. ..	6	5	6
Algeria—			
Crude, sheets and alloys, etc. ..	313	161	163
Belgian Congo	8	7	10
Egypt—			
Crude and scrap	373	442	464

IMPORTS OF TIN (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Madagascar—			
Bars, sheets, etc.	31	30	54
Morocco—			
Ingots, sheets and wire	66	26	19
Mozambique—			
Bars, sheets, etc.	5	47	(a)
Tunis—			
Pigs, bars, and sheets	65	61	73
Cuba (total imports)—			
Ingots	15	19	(a)
Bars, sheets, etc.	64	66	(a)
Mexico—			
Ingots	—	94	109
United States—			
Ore (<i>Sn content</i>)	17	24	2
Blocks, pigs, bars, etc.	33,702	61,802	38,735
Argentina—			
Ingots and sheets	896	942	975
Brazil (total imports)—			
Bars, rods, sheets and plates . .	543	674	739
Colombia—			
Ingots, bars, sheets, etc. . . .	19	31	55
Chile—			
Ingots	47	59	151
Bars and sheets	—	55	2
Ecuador—			
Ingots, sheets, etc.	4	(a)	(a)
Peru—			
Bars, sheets, etc.	40	33	62
Uruguay—			
Ingots	140	139	(a)
Venezuela—			
Crude	17	(a)	(a)
China—			
Ingots and slabs	176	206	102
Tin and lead foils	31	4	7
French Indo-China—			
Ore	2	—	—
Ingots and alloys	85	778	1,016
Sheets	34	32	75
Formosa—			
Ingots, slabs, etc.	116	122	(a)
Tin-foil	3	—	(a)

(a) Information not available.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Iraq (<i>b</i>)—			
Crude, etc.	41	54	44
Japan (total imports)—			
Ingots and slabs	3,382	3,433	3,990
“Manchoukuo”—			
Ingots and slabs	71	103	299
Netherlands East Indies—			
Tin and tin-foil	144	106	116
Philippine Islands—			
Ingots	54	62	102
Tin-foil	6	84	13
Siam (total imports)—			
Crude	22	19	32
Syria and Lebanon—			
Ingots and sheets	61	60	80
Turkey—			
Ingots, etc.	336	(<i>a</i>)	(<i>a</i>)

(*a*) Information not available.

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

TITANIUM MINERALS

PRODUCTION OF TITANIUM MINERALS

(Long tons)

Producing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Canada (shipments)—			
Titaniferous iron ore	—	—	1,806
India—			
Ilmenite	50,053	43,384	75,644
Australia—			
Ilmenite	—	550	51
FOREIGN COUNTRIES			
Norway—			
Ilmenite	13,268	22,846	25,891
Rutile	30	55	243
Portugal—			
Ilmenite	—	—	434
Egypt	479	—	161
Senegal (exports)—			
Ilmenite	—	300	500
Argentina—			
Titaniferous iron ore	—	2,559	(a)
Brazil (exports)—			
Ilmenite	34	95	114

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 been in the order of 1,000 to 5,000 tons, and that of rutile has been several hundred tons.

(a) Information not available.

EXPORTS OF TITANIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
India (Travancore) (b)—			
Ilmenite	45,850	38,202	(a)
FOREIGN COUNTRIES			
France—			
Titanium oxide	115	122	222
Italy—			
Ferro-titanium	4	1	—
Titanium oxide	552	584	341
Norway—			
Ilmenite	10,657	14,517	21,532
Rutile	30	59	65
Titanium oxide	314	350	346
French West Africa (Senegal)—			
Ilmenite	—	300	500
Brazil—			
Ilmenite	34	95	114

(a) Information not available.

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

IMPORTS OF TITANIUM MINERALS, ETC.*

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Titanium and zirconium minerals	19	61	281
FOREIGN COUNTRIES			
France—			
Titanium oxide	837	1,026	1,076
Italy—			
Ferro-titanium	24	42	57
Titanium oxide	1	21	3
U.S.S.R. (Russia)—			
Ferro-titanium	(a)	(a)	54
United States—			
Ilmenite	33,491	38,610	71,710
Titanium and ferro-titanium ..	2	3	1
Titanium compounds	28	305	72
Rutile	79	70	138

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

(a) Information not available.

TUNGSTEN

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES

(Long tons)

Producing Country.	1932	1933	1934	Estimated WO ₃ Content.		
				1932	1933	1934
BRITISH EMPIRE						
United Kingdom—						
Concentrates ..	2	11	190	1	7	114
Nigeria—						
Concentrates ..	—	—	5	—	—	3
South West Africa—						
Tungsten ore ..	—	—	16	—	—	10
Southern Rhodesia						
Concentrates ..	13	30	106	8	20	69
India—						
Concentrates ..	2,023	2,147	3,329	1,315	1,396	2,164
Federated Malay States—						
Wolfram ..	—	33	29	—	21	19
Scheelite ..	302	918	1,508	223	679	1,085
Unfederated Malay States—						
Wolfram ..	129	79	78	84	51	51
Australia—						
Wolfram ..	44	128	254	29	83	165
Scheelite ..	(12 cwt.)	—	6	(8 cwt.)	—	4
New Zealand—						
Concentrates ..	—	—	39	—	—	25
FOREIGN COUNTRIES						
Portugal—						
Concentrates ..	257	298	579	158	189	360
Tin-tungsten ores	64	89	100	18	18	30
Spain—						
Concentrates ..	39	41	(a)	25	26	(a)
Mexico	—	—	73	—	—	47
United States—						
Concentrates ..	354	799	1,829	212	479	1,097

(a) Information not available.

PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country.	1932	1933	1934	Estimated WO ₃ Content.		
				1932	1933	1934
FOREIGN COUNTRIES (Cont.)						
Argentina— Concentrates ..	6	—	(a)	4	—	(a)
Bolivia— .. Concentrates ..	671	230	782	405	140	469
Peru— Concentrates ..	—	—	12	—	—	9
China— Ore	2,146	5,400	4,700	1,288	3,240	2,820
French Indo-China Tin-tungsten con- centrates ..	218	208	272	145	149	179
Japan— Scheelite ..	20	29	(a)	13	19	(a)
Korea— Ore	56	150	363	36	98	236
Netherlands East Indies— Concentrates ..	—	—	2	—	—	2

(a) Information not available.

EXPORTS OF TUNGSTEN, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	607	30	58
Ferro-tungsten	228	375	383
Tungsten powder, wire, etc. ..	13	46	117
Nigeria—			
Tungsten ore	—	—	5
British India—			
Tungsten and tin-tungsten ores ..	3,397	3,874	5,244
British Malaya (including re- exports)—			
Wolfram	122	153	131
Scheelite	302	918	1,509
Hong Kong (including re- exports)—			
Tungsten ore	1,049	1,995	1,954
Australia—			
Wolfram	57	129	268
New Zealand—			
Scheelite	8	16	33
FOREIGN COUNTRIES			
Czechoslovakia—			
Tungsten ore	—	—	5
Italy—			
Ferro-tungsten	1,468	102	69
Portugal—			
Tungsten ore	269	274	607
Spain—			
Wolfram and wulfenite	91	23	69
Sweden—			
Ferro-tungsten	91	193	167
United States—			
Tungsten and ferro-tungsten ..	63	381	314
Argentina—			
Tungsten ore	6	—	325
Bolivia—			
Tungsten ore (<i>WO₃ content</i>) ..	405	140	469
China—			
Tungsten ore	2,044	5,452	4,632

EXPORTS OF TUNGSTEN, ETC.—(Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
French Indo-China—			
Tungsten ore	134	265	257
Korea—			
Tungsten ore	19	126	752
Siam (including re-exports)—			
Tungsten ore	—	—	31

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

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	3,186	2,844	5,195
Tungsten powder, wire, etc. ..	2	2	3
Hong Kong (total imports)—			
Tungsten ore	612	2,399	699
British Malaya (total imports)—			
Wolfram	—	—	17
FOREIGN COUNTRIES			
Germany—			
Tungsten ore	1,687	3,707	4,316
Italy—			
Ferro-tungsten	2	8	8
Norway—			
Ferro-tungsten, etc.	7	31	60
Sweden—			
Ferro-tungsten	87	102	—
U.S.S.R. (Russia)—			
Tungsten ore	(a)	(a)	826
Ferro-tungsten	2,109	2,389	1,682
United States (total imports)—			
Tungsten ore (WO_3 content) ..	61	367	680
Tungsten and tungsten alloys (WO_3 content)	1	8	61

(a) Information not available.

URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS

(Cwt.)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Canada	(b)	(b)	(b)
FOREIGN COUNTRIES			
Czechoslovakia (U_3O_8)	376	236	200
Portugal	645	1,233	791
Belgian Congo	(c)	(c)	(c)
United States (U_3O_8)	34	18	(a)

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

(a) Information not available.

(b) During 1933 and 1934, 3,021 mgrms. and 3,000 mgrms. of radium of 98 per cent. average concentration and 34,940 lb. and 27,000 lb. of uranium salts were produced, respectively.

(c) The output of uranium minerals is not available for these years but it is reported that the radium produced from these ores amounted to 6 and 6.7 grams in 1932 and 1933 respectively. This production of radium represents the greater part of the world's supplies.

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description,	Unit	1932	1933	1934
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Uranium oxide	Cwt.	551	638	1,008
Belgian Congo— Uranium minerals	Cwt.	2,567	—	4,180

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

Importing Country and Description.	Unit	1932	1933	1934
BRITISH EMPIRE				
United Kingdom— Uranium minerals ..	Cwt.	242	137	(b)15
Canada— Radium	£	11,302	1,857	42,262
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Uranium oxide	Cwt.	2	2	4
France— Uranium oxide	Cwt.	55	83	71
Other uranium salts ..	do.	2	4	6
Radium and radium pro- ducts	Lb.	82	150	452
United States— Uranium oxide and salts	Cwt.	1,091	1,665	1,420
Radium salts	£	136,631	137,000	214,400

(a) Information not available.

(b) Excess of re-exports.

VANADIUM

PRODUCTION OF VANADIUM ORES (Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Northern Rhodesia (<i>V content</i>) ..	302	35	3
South West Africa	2,973	177	324
FOREIGN COUNTRIES			
United States (V_2O_5)	103	2	(a)
Peru (<i>V content</i>)	—	—	234

(a) Information not available.

EXPORTS OF VANADIUM (Domestic Produce) (Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
Northern Rhodesia—			
Concentrates	897	—	599
Oxide	421	51	40
South West Africa—			
Concentrates	1,333	1,165	1,648
FOREIGN COUNTRIES			
Argentina—			
Ore	—	118	—
Peru—			
Concentrates	—	—	1,580

IMPORTS OF VANADIUM

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES			
Italy—			
Ferro-vanadium	28	9	47
Norway—			
Ferro-vanadium, etc.	7	31	60
U.S.S.R. (Russia)—			
Ferro-vanadium	215	143	128
United States—			
Ore	—	—	1,566

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

ZINC

PRODUCTION OF ZINC ORE

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

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom	4	4	445
Northern Rhodesia	—	18,542	19,540
Canada (shipments) <i>(b)</i>	126,486	120,339	141,396
Newfoundland	65,405	73,730	86,758
India	41,400	55,400	54,800
Australia	115,672	123,703	136,760
Total ..	349,000	392,000	440,000
FOREIGN COUNTRIES			
Austria	1,585	2,070	2,541
Belgium <i>(c)</i>	3,000	3,000	3,000
Czechoslovakia	1,592	1,337	1,250
Finland	861	1,067	1,000
France	1,193	—	—
Germany	74,086	102,715	128,923
Greece	6,809	12,160	<i>(a)</i>
Italy	31,674	28,678	42,000
Norway	8,734	9,597	5,551
Poland	25,000	35,000	40,000
Roumania	105	4,129	3,667
Spain	34,000	35,000	31,000
Sweden	24,156	24,346	28,664
U.S.S.R. (Russia) (smelter) ..	14,600	16,357	26,660
Portugal	—	—	18

(a) Information not available.*(b)* The amount estimated as recoverable was—

1932 ..	76,912 long tons.
1933 ..	88,898 "
1934 ..	133,295 "

(c) *Metallgesellschaft* estimate.

PRODUCTION OF ZINC ORE (Cont.)

Producing Country.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Yugoslavia	47,207	58,326	52,967
Algeria	1,831	2,252	2,544
French Morocco	—	50	—
Mexico	56,308	87,928	123,209
United States	254,671	343,107	392,397
Bolivia (exports)	12,763	13,200	9,338
Peru	76	61	
China	4,427	3,989	4,000
French Indo-China	4,918	4,910	4,881
Japan (c)	12,000	15,000	20,000
Korea (ore)	—	3,142	2,883
Turkey	1,600	4,100	5,577
Total	620,000	810,000	940,000
WORLD'S TOTAL	970,000	1,200,000	1,380,000

(a) Information not available.

(c) *Metallgesellschaft* estimate.

METAL PRODUCTION OF ZINC
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom (b)	26,875	45,000	54,000
Northern Rhodesia	—	18,542	19,540
Canada	76,912	82,095	120,462
Australia	53,200	53,956	54,629
Total ..	157,000	200,000	249,000
FOREIGN COUNTRIES			
Belgium	94,809	135,132	172,221
Czechoslovakia	5,936	6,501	8,500
France	44,975	51,100	24,300
Germany (b) (d)	44,182	54,000	75,000
Italy	17,700	22,915	24,471
Netherlands	15,377	18,186	19,597
Norway	38,751	44,238	44,316
Poland	83,611	81,399	91,453
Spain	9,355	8,413	8,000
Sweden	140	—	—
U.S.S.R. (Russia)	14,600	16,357	26,660
Yugoslavia (e)	2,516	2,984	4,299
Mexico	29,800	26,400	28,568
United States (c)	184,954	274,270	324,634
French Indo-China	2,244	3,198	4,174
Japan	26,616	30,173	29,169
Peru	—	—	5,463
Total ..	610,000	780,000	890,000
WORLD'S TOTAL ..	770,000	980,000	1,140,000

(a) Information not available.

(b) Includes some secondary metal.

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

	1932	1933	1934
A—High grade	39,460	93,663	104,214
B—Intermediate grade ..	11,871	24,166	29,126
C & D—Select and brass special	59,682	62,485	38,979
E—Prime western	87,082	120,820	169,896
Total secondary zinc re- covered	63,500	49,700	33,500

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

	1932	1933	1934
	41,300	50,100	71,700

(e) Including zinc dust.

PRODUCTION OF ELECTROLYTIC ZINC
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Northern Rhodesia	—	18,542	19,540
Canada	76,912	82,095	120,462
Australia (Tasmania)	53,200	53,956	54,629
FOREIGN COUNTRIES			
France.. .. .	18,800	21,600	21,000
Italy	11,409	14,142	17,000
Norway	38,751	44,238	44,316
Poland	11,000	18,000	19,000
U.S.S.R. (Russia)	(a)	(a)	5,339
United States.. .. .	20,721	78,853	68,445
Japan (estimated)	1,000	4,000	4,000

(a) Information not available.

PRODUCTION OF ZINC DUST
(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE			
Canada (estimated)	100	100	100
FOREIGN COUNTRIES			
Belgium	3,730	5,187	(a)
Germany	2,168	5,140	6,890
Poland	3,911	5,196	5,392
United States—			
Prepared blue powder (sales)	7,184	9,962	9,693
Primary zinc recovered as dust	1,876	(a)	(a)
Japan	(a)	2,388	2,384

(a) Information not available.

PRODUCTION OF ZINC SHEETS

(Long tons)

Producing Country.	1932	1933	1934
BRITISH EMPIRE.			
United Kingdom	9,400	9,100	13,600
FOREIGN COUNTRIES.			
Austria	(b) 1,000	1,329	1,620
Belgium	55,047	66,306	74,000
Czechoslovakia	943	2,961	2,555
France	65,000	53,000	42,000
Germany	43,486	54,301	74,456
Hungary	(a)	1,039	1,266
Poland	9,994	9,700	12,421
Spain	3,085	3,561	2,874
Yugoslavia	620	670	579
United States	35,474	36,840	36,532

(a) Information not available.

(b) Estimated.

EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore	5,570	4,408	3,973
Spelter	4,913	4,560	5,813
Sheets, plates and discs	1,303	1,026	723
Oxide	10,580	12,361	12,373
Lithopone	2,273	4,210	5,105
Northern Rhodesia—			
Ingots	65	16,425	19,714
Canada—			
Ore (<i>Zn content</i>)	—	3,717	17,430
Spelter	78,269	77,435	106,203
Dross, scrap and ashes	370	2,813	1,915
Newfoundland (years ended June 30)—			
Concentrates	88,847	129,900	148,014
British Borneo (Sarawak)—			
Zinc	(£269)	(£201)	(£194)
British India—			
Concentrates, etc.	49,950	64,050	67,514
British Malaya (including re-exports)—			
Sheets	96	121	113
Hong Kong (including re-exports)—			
Sheets	1,889	1,883	1,880
Australia—			
Ores and concentrates (<i>Zn content</i>)	30,238	66,080	52,097
Dust (£ <i>Australian</i>)	(£18)	(£120)	(£213)
Bars, rods, sheets, etc.	37,486	30,216	31,826
FOREIGN COUNTRIES			
Austria—			
Ore	2,252	2,002	5,033
Spelter, scrap and alloys	921	853	745
Sheets, bars, etc.	156	141	98
Zinc-white and zinc-grey	35	2	1
Lithopone, etc.	25	28	13

EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Ore	25,294	37,928	35,374
Spelter and scrap	63,034	52,784	79,513
Sheets and wire	39,612	45,223	55,914
Dust	3,071	3,230	5,115
Oxide	6,713	6,362	6,679
Lithopone	9,556	11,625	12,954
Czechoslovakia—			
Ore	—	384	—
Spelter, scrap and alloys	856	580	956
Sheets and plates	714	921	542
Zinc-white and zinc-grey	790	308	280
Lithopone	821	604	1,015
Denmark—			
Spelter, sheets and scrap	254	238	295
France—			
Ore	26,986	32,303	31,626
Spelter, bars and scrap	1,769	1,763	1,353
Sheets	4,025	3,499	2,569
Oxide	2,505	2,229	2,105
Lithopone	612	358	(a)
Germany—			
Ore	93,647	99,857	79,910
Spelter, dust, scrap and alloys	13,132	19,707	10,844
Sheets and wire	5,398	6,310	3,829
Zinc-white and zinc-grey	19,653	19,188	16,347
Lithopone	11,702	12,847	13,946
Hungary—			
Spelter and scrap	13	—	—
Sheets	96	239	136
Zinc-white and zinc-grey	19	—	—
Italy—			
Ore	31,370	31,098	35,375
Ashes	112	211	47
Spelter, scrap and alloys	—	—	297
Sheets, wire and alloys, etc.	18	31	16
Oxide	16	21	35
Lithopone	324	496	668
Latvia—			
Zinc-white	35	141	129
Lithuania—			
Spelter	28	53	103

(a) Information not available.

EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore	8,731	716	1,475
Spelter and scrap	14,495	13,301	17,960
Sheets	4,092	4,381	3,468
Oxide	47	15	5
Norway—			
Ore	18,468	17,257	16,727
Bars, sheets, wire, etc.	—	—	27
Spelter	37,214	44,989	41,615
Ashes and scrap	224	129	1,799
Poland—			
Ores and slag	1	47	21
Spelter, dust and scrap	67,786	60,469	65,521
Refined zinc	9,458	6,043	
Sheets, tubes and wire	4,522	4,523	4,907
Zinc-white and lithopone	2,145	3,191	4,530
Roumania—			
Ore	8,343	13,340	7,777
Scrap	10	—	—
Spain—			
Blende	64,880	61,839	55,455
Calamine	3,514	11,853	—
Spelter and scrap	358	1,381	981
Plates, nails and wire	38	55	92
Sweden—			
Ore	46,200	47,794	57,655
Spelter, sheets and scrap	1,365	1,077	1,545
Zinc-white	39	8	8
Switzerland—			
Spelter and scrap	3,769	3,786	3,031
Zinc-white, etc.	4	18	12
U.S.S.R. (Russia)—			
Calamine	6,243	13,021	11,542
Lithopone	(a)	(a)	55
Yugoslavia—			
Ore	75,884	88,996	93,091
Spelter, scrap and dust	970	1,705	1,743
Plates and sheets	20	65	23
Zinc-white	35	73	18
Algeria—			
Ore	3,856	9,320	2,214
Spelter, plates and scrap	153	348	369
Oxide	18	26	19

(a) Information not available.

EXPORTS OF ZINC (*Cont.*)

Exporting Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (<i>Cont.</i>)			
Egypt—			
Spelter and scrap	83	91	—
Morocco—			
Scrap	16	35	93
Tunis (including re-exports)—			
Ore	—	—	837
Mexico—			
Ores and concentrates (<i>Zn content</i>)	53,937	62,762	94,083
Spelter	19,154	20,358	39,002
United States—			
Ore and dross	159	(b) 722	(b) 3,082
Spelter	5,778	1,022	4,558
Dust	1,230	1,401	1,481
Sheets, strips, etc.	2,687	2,847	3,091
Oxide	1,126	644	1,031
Lithopone	2,868	1,059	2,144
Argentina—			
Slag and ash	839	510	628
Spelter, bar and sheets	(a)	160	94
Bolivia—			
Ores (<i>Zn content</i>)	12,763	13,200	9,338
Chile—			
Spelter and sheets	—	5	—
Peru—			
Ores, etc. (<i>Zn content</i>)	76	61	—
China—			
Ore	10,455	5,722	1,845
Spelter	19	53	—
French Indo-China—			
Ore	2,953	3,320	1,478
Spelter and scrap	638	4,594	3,775
Sheets	2	—	3
Korea—			
Ore	3	2,723	2,053
Turkey—			
Spelter, scrap and alloys	65	(a)	(a)

(a) Information not available.

(b) *Zn content*.

IMPORTS OF ZINC

(Less Re-exports)

(Long tons)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE			
United Kingdom—			
Ore and ashes	113,704	132,063	90,469
Spelter	85,911	80,678	127,604
Sheets, plates and discs	13,141	14,589	17,809
Oxide	765	685	624
Lithopone	6,030	10,204	12,635
Irish Free State—			
Sheets and plates	244	441	546
Kenya and Uganda—			
Bars, plates and sheets	4	3	3
Southern Rhodesia—			
Spelter	262	427	579
South West Africa—			
Spelter	1	3	3
Union of South Africa (total imports)—			
Spelter, dust and shavings	414	389	594
Sheets, bars, rods, etc.	1,507	1,424	1,704
Canada—			
Spelter	30	72	2
Dust	237	376	476
Sheets, plates, bars etc.	1,872	1,779	1,778
Zinc-white	4,514	4,390	5,247
Lithopone	7,192	5,084	6,487
British Borneo (Sarawak)—			
Sheets	(£694)	(£1,095)	(£587)
British India (total imports)—			
Spelter	15,308	12,616	16,364
Sheets, etc.	1,417	1,515	1,600
Zinc-white	2,469	3,222	2,255
Lithopone	699	872	639
British Malaya (total imports)—			
Sheets	201	288	370
Ceylon—			
Sheets and plates	42	23	59

IMPORTS OF ZINC (*Cont.*)

Importing Country and Description.	1932	1933	1934
BRITISH EMPIRE (<i>Cont.</i>)			
Hong Kong (total imports)—			
Sheets	756	1,469	1,574
Palestine (total imports)—			
Spelter and sheets	138	226	456
Australia—			
Dust	(£31)	(£135)	(£231)
Blocks, sheets, scrap, etc.	727	684	1,143
Oxides	31	89	122
Lithopone	1,141	1,237	1,851
New Zealand—			
Spelter, bars and sheets	145	156	202
FOREIGN COUNTRIES			
Austria—			
Spelter, scrap and alloys	5,057	4,730	5,127
Sheets, bars etc.	15	18	68
Zinc-white and zinc-grey	188	263	296
Lithopone, etc.	1,789	1,694	2,337
Belgium-Luxemburg E.U.—			
Ore	251,600	329,805	422,036
Spelter and scrap	25,465	10,896	17,116
Sheets and wire	1,295	1,457	407
Dust	95	104	13
Oxide	2,109	2,217	1,492
Lithopone	765	768	551
Bulgaria—			
Spelter, bars, sheets and scrap	1,072	938	950
Zinc-white	336	231	82
Lithopone	197	205	194
Czechoslovakia—			
Ore	10,514	13,101	19,505
Spelter, scrap and alloys	8,461	8,424	10,805
Sheets and plates	61	35	248
Zinc-white, zinc-grey, etc.	65	5	38
Denmark—			
Spelter and scrap	2,373	3,523	3,829
Plates and sheets	2,879	3,621	3,999
Zinc-white	1,811	2,241	2,171
Lithopone	1,128	1,370	1,616

IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Spelter, plates, dust and scrap ..	45	104	97
Zinc-white	222	250	231
Lithopone	23	24	41
Finland (total imports)—			
Spelter, sheets and scrap ..	446	713	953
Zinc-white	1,222	1,485	1,352
Lithopone, etc.	246	255	304
France—			
Ore	121,205	171,571	163,855
Spelter, bars and scrap ..	51,798	51,794	46,948
Sheets	2,216	3,968	3,051
Oxide	445	650	481
Lithopone	181	134	142
Germany—			
Ores	58,552	77,819	125,299
Spelter, dust, scrap and alloys ..	100,182	99,037	105,742
Sheets and wire	5,921	6,756	7,923
Zinc-white and zinc-grey ..	336	248	476
Lithopone	3,592	3,629	4,417
Greece—			
Spelter	359	322	606
Hungary—			
Spelter and scrap	3,108	3,430	4,264
Sheets	11	9	8
Zinc-white and zinc-grey ..	51	53	5
Lithopone	541	183	69
Iceland—			
Zinc-white	29	34	(a)
Italy—			
Ore and ashes	3,404	8,840	6,244
Spelter, scrap and alloys ..	2,506	4,566	5,331
Sheets, wire, etc., and alloys ..	1,264	789	909
Oxide	924	715	880
Lithopone	1,603	911	1,449
Latvia—			
Spelter, sheets and scrap ..	698	679	724
Zinc-white	26	2	—
Lithopone	40	34	31
Lithuania—			
Spelter, sheets, scrap, etc. ..	181	465	438
Zinc-white	163	137	174
Lithopone	81	85	131

(a) Information not available.

IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore	35,883	31,865	43,590
Spelter and scrap	5,294	6,341	6,574
Sheets	6,809	7,152	4,751
Zinc-white	3,573	3,506	3,774
Lithopone	1,389	1,473	1,600
Oxide	7,883	7,421	8,571
Norway—			
Ore	75,960	75,123	78,472
Ashes and scrap	279	93	148
Spelter	337	318	807
Bars and sheets	1,429	1,498	1,649
Zinc-white	1,809	1,871	1,427
Lithopone	121	152	183
Poland—			
Ores and slag	99,154	111,197	99,255
Spelter, dust and scrap	166	86	90
Refined zinc, sheets, etc.	9	50	32
Zinc-white and lithopone	76	161	227
Portugal—			
Sheets, etc.	593	535	632
Oxide	185	195	337
Lithopone	478	583	661
Roumania—			
Spelter	3,901	4,039	6,151
Sheets, plates and wire	848	917	867
Zinc-white and zinc-grey	1,024	248	190
Lithopone	324	320	492
Spain—			
Blende	600	882	—
Spelter and scrap	1,109	1,768	1,679
Plates, nails and wire	38	30	63
Sweden—			
Spelter and scrap	8,255	8,861	12,619
Sheets	1,536	1,781	2,162
Zinc-white	4,544	5,252	5,917
Lithopone	1,895	1,930	2,389
Switzerland—			
Spelter and scrap	4,109	6,283	7,534
Bars, sheets, pipes and wire	1,440	1,266	1,281
Zinc-white, lithopone, etc.	4,447	5,088	4,438

IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Spelter, etc.	10,439	5,718	4,249
Yugoslavia—			
Ore	3,643	2,747	2,912
Spelter and scrap	336	85	83
Bars, sheets, wire, etc.	18	13	24
Zinc-white, lithopone, etc.	179	324	175
Algeria—			
Spelter, sheets and scrap	1,121	1,071	1,200
Oxide	716	644	(a)
Lithopone	130	86	(a)
Belgian Congo—			
Spelter, etc.	—	2	1
Canary Islands (total imports)—			
Sheets, wire and nails	148	305	(a)
Egypt—			
Spelter, sheets and scrap	385	307	634
Zinc-white	1,595	1,334	1,518
Madagascar—			
Spelter, bars and sheets	60	63	84
Morocco—			
Spelter, sheets and wire	182	172	181
Lithopone	173	257	293
Mozambique—			
Spelter, bars and sheets	266	201	(a)
Tunis—			
Sheets	198	205	244
Oxide	160	196	157
Cuba (total imports)—			
Spelter and sheets	43	38	(a)
Mexico—			
Spelter, sheets and scrap	1,008	878	813
United States—			
Ore (<i>Zn content</i>)	1,700	1,905	9,748
Spelter and scrap	278	1,733	1,541
Pigments	6,604	7,267	4,638
Argentina—			
Spelter and bars	3,716	4,124	3,609
Sheets and plates	1,936	2,330	2,395
Zinc-white	1,257	1,670	1,840
Lithopone	981	1,178	1,701

(a) Information not available.

IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1932	1933	1934
FOREIGN COUNTRIES (Cont.)			
Brazil (total imports)—			
Bars, sheets and plates	1,040	1,142	1,339
Zinc-white	3,674	3,888	4,108
Chile—			
Spelter	183	197	205
Sheets, etc... .. .	49	114	199
Zinc-white, etc.	389	227	386
Colombia—			
Zinc-white	196	293	318
Ecuador—			
Spelter, sheets and pipes	26	(a)	(a)
Peru—			
Spelter, bars, sheets, etc. .. .	47	75	106
Uruguay—			
Sheets	58	79	(a)
Venezuela—			
Spelter	25	(a)	(a)
Oxide	211	(a)	(a)
China—			
Spelter and dust	630	1,728	1,028
Sheets and plates	1,541	2,489	2,197
Zinc-white	2,117	1,808	1,486
French Indo-China—			
Spelter	9	19	12
Sheets	972	763	1,105
Oxide	52	79	92
Japan (total imports)—			
Ore	34,983	37,216	12,872
Spelter	20,574	26,651	26,159
Sheets and plates	2,925	3,149	3,592
“Manchoukuo”—			
Zinc-white	161	283	201
Netherlands East Indies—			
Spelter and alloys	525	509	533
Zinc-white	1,102	1,024	2,236
Philippine Islands—			
Spelter, bars and sheets	107	178	167
Oxide	736	576	613
Siam (total imports)—			
Spelter	400	410	455
Syria and Lebanon—			
Sheets	237	180	219
Turkey—			
Ore	2	(a)	(a)
Spelter, scrap and alloys	539	(a)	(a)
Bars, tubes, wire and alloys ..	1,217	(a)	(a)

(a) Information not available.

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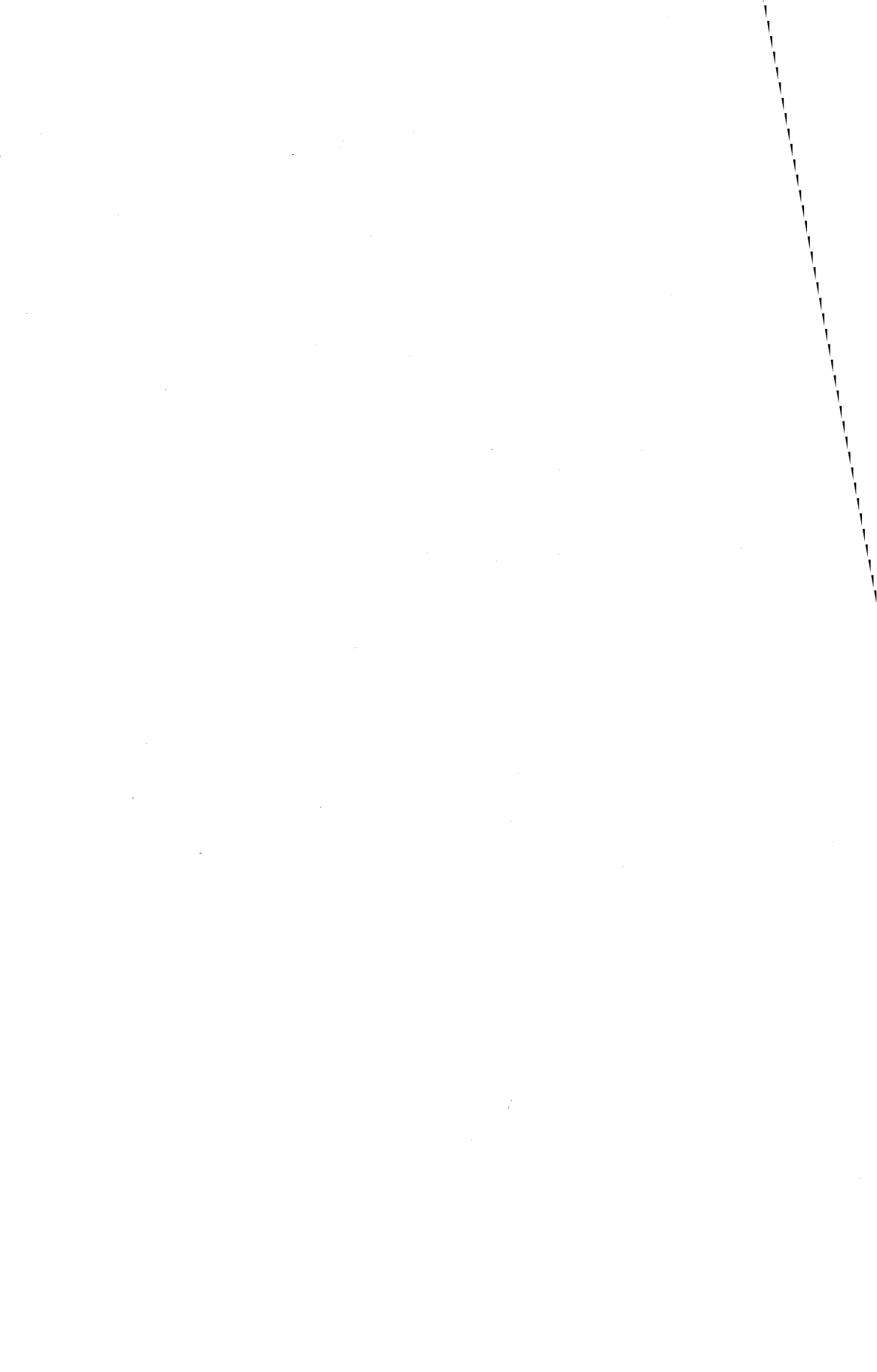
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