

IMPERIAL INSTITUTE.
Mineral Resources Department.

THE MINERAL INDUSTRY OF
THE BRITISH EMPIRE
AND
FOREIGN COUNTRIES.



STATISTICAL SUMMARY
(Production, Imports and Exports)
1913-1922



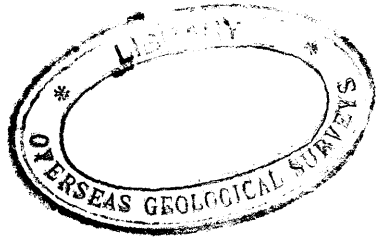
LONDON:

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Admiral House, Kingsway, London, W.C.2; 26, Abingdon Street, London, S.W.1;
York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;
or 100, George Street, Edinburgh;
or through any Bookseller.

1925.

Price 8s. 0d. Net.



IMPERIAL MINERAL RESOURCES
BUREAU.

127
211229
7-4 512

THE MINERAL INDUSTRY OF
THE BRITISH EMPIRE

AND

FOREIGN COUNTRIES.

STATISTICAL SUMMARY

(Production, Imports and Exports)

1913—1920.



LONDON:

PRINTED AND PUBLISHED BY
HIS MAJESTY'S STATIONERY OFFICE.

To be purchased through any Bookseller or directly from
H.M. STATIONERY OFFICE at the following addresses:
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and
28, ABINGDON STREET, LONDON, S.W.1;
37, PETER STREET, MANCHESTER;
1, ST. ANDREW'S CRESCENT, CARDIFF;
23, FORTH STREET, EDINBURGH;
or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

1921.

Price 3s. 0d. Net.

PREFACE.

The following tables constitute the first issue of the Annual Summary of the Mineral and Metal Statistics of production, imports and exports in respect of the British Empire and Foreign Countries, covering, in the present instance, the year preceding the War (1913), the War period viz., the years 1914-1918 inclusive, and the year 1919, the figures for 1920 being given where they are available to date.

In so far as the period 1913-1919 (inclusive) is concerned the figures are, generally speaking, as complete as possible in the circumstances of the War, but for the year 1920 they are incomplete, and are to be regarded as in the nature of advance figures only, subject, therefore, to revision.

Towards the close of the present year the statement will be issued in revised form.

The Bureau has not been able to obtain satisfactory figures for both ore-production and smelter-production for some of the metals, but it is hoped that these will be available for future issues. The Governors of the Bureau have for some time had under consideration a scheme of uniform mineral statistics, applicable in the first place to the British Empire, which scheme it is hoped will remedy this and other defects.

Certain substances such as oil shale, strontianite, salt, china clay, and building and other stones have not been included in this advance summary but will appear in the revised issue later on, and the same is true of pig iron.

In the case of petroleum, statistics as to production only are given, the later issue of the summary will contain statistics as to exports and imports.

Future issues will contain the figures for two years only viz., the two years preceding that in which the statement is issued.

The weights are expressed in long tons, that is to say, the British statute ton of 2,240 lb., and values in pounds, shillings and pence at par rates of exchange.

R. A. S. REDMAYNE,

Chairman of the Governors.

June, 1921.

CONTENTS.

	PAGE.
Aluminium and Bauxite	5
Antimony	7
Arsenic	8
Asphalt and Bituminous Rock	9
Asbestos	11
Barium Minerals	12
Bismuth	13
Borates	13
Chromite	15
Coal	16
Cobalt	18
Copper	19
Felspar	19
Fluorspar... ..	20
Fuller's Earth	21
Gold	22
Graphite	50
Gypsum	51
Iron Ore	52
Lead	54
Magnesite	55
Manganese	57
Mica	60
Molybdenum	61
Monazite	62
Nickel	63
Nitrates	64
Petroleum	66
Phosphates	67
Pyrites	69
Quicksilver	70
Silver	71
Sulphur	96
Talc	97
Tin	98
Tungsten... ..	100
Uranium	101
Vanadium	102
Zinc	102

ALUMINIUM AND BAUXITE.

World's Production of Bauxite
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	6,055	8,286	11,723	10,329	14,724	9,589	9,221	11,020
British Guiana ...	—	—	—	—	2,037	4,199	—	29,399*
India ...	1,184	514	876	750	1,363	1,192	1,682	
France ...	304,323	—	55,614	104,493	118,973	—	160,820	183,693
Hungary ...	—	—	58,118	—	126,583	—	—	—
Italy ...	6,840	3,843	5,805	8,744	7,664	7,675	2,924	37,350†
Spain ...	—	—	—	—	—	453	1,751	—
United States ...	210,241	219,318	297,041	425,100	563,690	605,721	376,566	321,308

* Exports.

† Including 27,000 tons produced in the occupied zone of Dalmatia. The output of bauxite in Dalmatia and Istria during the years 1915 to 1917 was as follows:—

	Dalmatia.	Istria.	Total.
1915 ...	13,185	46,761	59,946
1916 ...	82,490	57,548	140,038
1917 ...	132,615	27,886	160,501
1918 (Exports)	93,000	69,000	162,000

Shipments of Cryolite from Greenland.

Year	Quantity (long tons).						
1913	10,248
1914	11,327
1915	9,408
1916	13,367
1917	9,482
1918	9,955
1919	6,265
1920	—

Exports of Bauxite from Chief Producing Countries (long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
France: Bauxite ...	165,732	147,761	40,782	61,793	49,108	37,002	38,710	280,000
Greenland: Cryolite	10,248	11,327	9,408	13,367	9,482	9,955	6,265	—
United States:								
Alumina ...	*	*5,374	16,082	17,939	21,791	19,711	17,701	22,257

* Not separately stated prior to July, 1914.

Imports of Bauxite into Chief Consuming Countries (long tons).

Canada: Alumina ...	13,707	12,749	15,632	24,026	77,816	83,224	26,162	
France: Bauxite ...	860	15	1	—	—	—	492	10
United States:								
Cryolite ...	2,559	4,612	3,940	3,857	4,383	1,950	2,130	
Bauxite ...	21,456	24,844	3,420	30	7,691	3,653	6,082	42,895

Estimated World's Production of Aluminium
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	7,500	7,400	7,000	7,600	7,000	8,200	8,000	1,646
Canada ...	6,000	6,500	6,000	7,500	8,000	8,000	8,000	
Austria ...	2,000	2,000	—	—	—	—	—	
France *	13,283	9,803	5,920	9,447	10,886	11,826	12,000	
Germany ...	1,000	1,000	1,000	8,000	20,000	25,000	12,000	
Italy *	860	922	889	1,108	1,712	1,687	2,000	
Norway ...	2,000	4,000	8,000	12,000	15,000	15,000	10,000	
Switzerland ...	10,000	15,000	10,000	12,500	15,000	15,000	15,000	
United States ...	29,000	41,500	44,500	62,500	80,000	85,000	80,000	
Total ...	71,643	88,125	83,309	120,655	157,598	169,713	147,000	

* Official figures. 1919 figure estimated.

Exports of Aluminium from Chief Producing Countries
(long tons).

Canada† ...	5,810	6,478	8,340	8,226	9,966	9,650	6,507	2,864 5,477 4,200
France ...	4,441	3,296	2,899	2,127	1,210	524	3,573	
Norway ...	2,142	2,895	2,837	4,416	7,479	6,725	3,070	
Switzerland ...	6,998	6,948	8,801	10,689	10,054	10,492	5,162	
United States ...	*	*	*	*	4,472	10,775	2,241	

* Not stated.

† Excluding manufactures, which are entered by value only.

Imports of Aluminium into Chief Consuming Countries
(long tons).

Canada‡ ...	1,543	1,695	1,188	603	312	125	339	1,364 1,037* 17,890†
France ...	93	56	98	833	1,480	7,661	4,765	
Italy ...	100	73	1,595	1,945	3,738	4,439	1,576*	
United States ...	11,203	8,010	4,149	2,990	40	755	6,184	

* Including wrought and manufactured aluminium.

† Including scrap.

‡ Excluding manufactures, which are entered by value only.

ANTIMONY.

World's Production of Antimony
(long tons).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Metal	—	—	4	4	2	4	—	—
Southern Rhodesia :								
Ore	—	—	—	34	13	13	—	10
Union of South Africa :								
Ore	43	—	80	645	632	104	29	—
Canada : Ore and concentrates	—	—	1,197	790	322	—	—	—
India : Ore	—	—	13	1,040	131	—	6	—
Australia : Ore and concentrates	2,545	2,475	4,019	4,088	2,873	1,559	1,295	—
Austria : Ore	1,250	21	12,350	—	—	—	—	—
France :								
Ore	20,564	3,361	6,251	18,731	19,140	9,859	3,203	3,818
Antimony content of ore	4,400	663	1,098	2,989	2,895	1,634	—	—
Hungary :								
Ore	10,840	—	11,244	—	15,953	—	—	—
Crude	—	—	71	—	67	—	—	—
Regulus	—	—	911	—	420	—	—	—
Italy : Ore	1,793	546	4,264	6,404	5,696	3,315	25	123
Spain : Ore	—	—	295	507	494	79	—	—
Algeria : Ore	573	899	5,978	17,372	9,131	3,082	4,193†	2,918†
Mexico :								
Antimony content of Ore	921	1,030	727	816	2,604	3,216	463	613
United States : Ore	—	—	4,464	4,018	946	170	—	—
Bolivia : Exports of Ore	61	183	17,635	26,255	22,994	6,712	234	—
Peru : Ore	—	—	514	1,846	887	318	59	—
China Exports :								
Ore	4,281	4,892	1,645	11,579	3,798	473	570	1,327
Crude, regulus and refined	12,822	19,329	23,288	22,090	34,410	15,833	8,212	14,053
Indo-China : Ore	—	—	480	1,414	243	—	—	—
Japan : Metal	21	32	8,171	10,611	6,548	384	—	—

NOTE.—In addition to the countries mentioned in the above table, Portugal, Serbia and Turkey have produced antimony. Portugal produced 18 tons in 1913, but production ceased during the war. Figures for Serbia and Turkey are not available.

† Exports.

Exports of Antimony from Chief Producing Countries
(long tons).

United Kingdom :								
Crude and regulus	4,146	4,286	4,895	5,758	1,713	1,475	2,460	—
Canada : Ore	—	—	1,026	709	691	23	50	—
France :								
Ore	598	126	3	2	1	—	152	899
Metal	2,149	1,933	982	2,915	1,555	994	611	1,164
Algeria : Ore	489	1,082	8,877	28,015	18,939	28,817	4,193	2,918
Mexico :								
Ore... ..	—	—	464	1,196	1,585	1,294	—	—
Metal	2,345	1,548	—	—	705	2,375	—	—
Bolivia : Ore	61	183	17,635	26,255	22,994	6,712	234	—
Peru : Ore	—	—	456	1,589	862	321	—	—
China :								
Ore... ..	4,281	4,892	1,645	11,579	3,798	473	570	1,327
Metal—Crude, Regulus and Refined	12,822	19,329	23,288	22,090	34,410	15,833	8,212	14,053
Indo-China : Ore	—	—	406	676	127	—	—	—
Japan : Metal	1,573	4,241	8,488	8,828	14,016	2,685	1,486	—

Imports of Antimony into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Ore	5,503	9,179	22,569	31,236	19,326	8,917	5,531	
Crude and regulus	4,831	3,515	4,694	1,870	5,458	2,604	1,016	
Canada : Regulus ...	298	290	876	356	148	290		
France :								
Ore	—	—	—	10,526	13,445	1,983	1,829	4,138
Metal	160	23	126	180	829	215	103	813
Italy : Metal	505	195	812	152	1,227	1,145	546	288
Sweden : Crude	97	107	17	10	1	—	—	
United States :								
Ore	2,554	1,599	2,227	7,000	9,003	3,003	887	1,526
Metal	5,579	5,853	6,566	6,307	10,077	12,510	6,392	11,137
Antimony Oxide and other com- pounds	879	1,225	378	217	9	16	113	
Japan : Crude	—	—	14,139	11,020	17,181	6,246	1,920	

ARSENIC.

World's Production of Arsenic
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Arsenic crude and refined	1,695	1,988	2,496	2,545	2,626	2,349	2,527	1,997
Arsenical pyrites ...	35	—	421	300	434	477	75	1,178
Southern Rhodesia : Ore	—	68	—	—	—	102	216	^{8 months} 390
Union of South Africa :								
White arsenic ...	—	—	—	—	3	13	7	10
Canada :								
White arsenic ...	1,511	1,551	2,139	1,952	2,371	2,216	2,377	} 2,150
Arsenic in concen- trates	—	—	—	—	250	962	473	
Australia : Ore ...	—	—	—	11	89	896	1,086†	1,202†
France :								
Ore	69,478	246	1,279	1,771	338	716	2,225	515
Arsenic contained in ore	—	123	192	266	140	141		
White arsenic ...	—	130	318	860	666	977		
Germany (Prussia) : Ore	4,928	4,193	4,019	3,565	5,466	10,388	5,035	
Portugal :								
Mostly white arsenic	910	945	989*					
Spain :								
Arsenical pyrites ...	—	—	—	—	—	246	148	
Mexico :								
White arsenic ...	—	—	—	—	1,264	2,172	210	2,058
United States :								
White arsenic ...	2,243	4,170	4,909	5,345	5,492	10,110	5,383	6,000
China :								
Exports of arsenic trisulphide ...	538	113	57	482	305	136	278	512
Japan :								
White arsenic ...	21	15	15	—	—	241		

* Including 144 tons of arsenical pyrites.

† Arsenic.

Exports of Arsenic from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Arsenic and its oxides	676	609	618	722	328	311	904	
Canada :								
White arsenic ...	1,163	1,675	2,070	1,763	3,827	2,386	2,218	
China :								
Arsenic trisulphide	538	114	57	482	305	136	278	512

Imports of Arsenic into Chief Consuming Countries
(long tons).

Canada : Arseniate, Bi-Arseniate and Stannate of Soda	10	6	4	7	2	—	2	
Arsenic Oxide ...	8	2	6	18	111	4	2	
Sulphide of Arsenic	203	5	77	107	113	135	136	
India : * Arsenic and its oxides	93	147	104	105	120	23	39	

* Fiscal years ending March 31.

ASPHALT AND BITUMINOUS ROCK.

World's Production of Asphalt
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Trinidad (exports) ...	206,999	89,174	113,645	106,744	109,890	56,799	66,574	
Alsace-Lorraine ...	6,252	4,000	300	1,000	700	400	*	*
France ...	40,300	34,978	11,519	14,150	11,874	9,942	10,887	21,894
Germany ...	103,800	80,500	31,900					
Greece ...	39	36	7	38	42	59		
Italy ...	55,838	33,210	25,288	16,394	13,389	7,502	14,008	†
Spain ...	5,603	4,081	2,628	2,549	1,919	2,329	2,347	
Switzerland ‡ (exports) ...	49,572	32,329	16,950	20,182	14,531	1,760	8,748	
Cuba (exports) ...	1,561	865	434	481	465	443		
United States ...	31,299	25,729	28,055	31,522	35,433	30,971		
Venezuela (exports)	79,925	56,432	24,956	43,904	48,059	42,161	41,777	
Japan ...	2,225	1,975	1,945	2,266	3,813	2,954		

* Probably included in French production.

† Probably included with bituminous rock.

‡ Excluding exports of asphalt slabs for roofing, etc.

NOTE.—In addition to the countries mentioned in the above table, asphalt has been produced in Barbados, Austria, Hungary and Mexico. In 1912, Barbados exported 158 tons of manjak; later figures are not available. Statistics for Austria, Hungary and Mexico are not available. Imports of asphalt into the United States from Mexico and Barbados have been as follows :—

		Mexico (long tons).	Barbados (long tons).
1914	... ..	109	59
1915	... ..	79	54
1916	... ..	18	152
1917	... ..	609	36
1918	... ..	12,419	53
1919	... ..	5,863	28

(1919 is a calendar year; other figures are for fiscal years ending June 30).

World's Production of Bituminous Rock

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Austria	2,977	1,900	39					
France	204,700	128,487	54,238	82,747	102,930	92,622		
Italy*	168,734	118,248	47,233	17,332	9,257	22,624	77,371	106,855
Spain... ..	10,702	5,672	4,448	7,198	—	11,893	9,929	
United States	51,383	45,599	39,579	56,404	37,428	22,630		

* Including a small quantity of crude bitumen each year.

NOTE.—In addition to the countries mentioned in the above table bituminous and asphaltic rock has been produced in Hungary, where the output in 1917 was 17,317 tons. No further statistics are available.

Exports of Asphalt and Bitumen from Chief Producing Countries

(long tons).

Trinidad :									
Crude, Dried and Manjak	187,578	73,523	106,142	100,273	102,953	56,799	66,574		
Refined Asphalt ...	19,421	15,651	7,503	6,471	6,937				
France :									
Asphalt and Bitumen	20,089	14,259	9,627	4,751	2,154	865	2,514	8,980	
Italy :									
Refined Asphalt and Bitumen	6,538	6,265	6,612	119	109	1	423	2,319	
Switzerland :									
Crude Asphalt and Bitumen	49,572	32,329	16,950	20,182	14,531	1,760	8,748		
United States :									
Asphalt	58,550	37,246	38,203	36,443	26,881	19,739	35,900	46,166	
Venezuela :									
Asphalt	79,925	56,132	24,956	43,904	48,059	42,161	41,777		

Imports of Asphalt and Bitumen into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom : Asphalt or Bitumen	148,071	98,430	70,019	49,121	43,122	41,643	54,832	
Canada* : Asphaltum or solid Asphalt	46,605	47,783	37,561	37,417	28,784	17,941	18,507	
Asphalt-not solid...	—	6,949	6,189	4,621	6,009	2,453	3,276	
India : Asphalt	7,355	6,039	4,196	6,038	3,507	1,665	3,496	5,566
France : Bitumen and Asphalt	57,279	37,852	25,185	23,989	12,145	4,772	13,045	10,828
Italy : Refined Asphalt and Bitumen	4,231	2,877	4,072	1,072	1,359	2,136	4,588	1,722
Sweden : Asphalt	6,700	7,230	10,397	6,229	4,219	4,640	6,008	4,689
United States : Asphaltum and Bitumen	190,561	124,158	123,439	131,886	167,755	102,433	94,329	114,655

* Fiscal years ending March 31.

ASBESTOS.

World's Production of Asbestos
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Southern Rhodesia ...	259	435	1,795	5,497	8,537	7,655	8,696	16,806
Union of South Africa	859	1,063	1,909	4,157	5,554	3,280	3,512	6,350
Canada	118,361	96,133	95,142	105,578	126,556	128,086	136,669	149,760
Cyprus (exports) ...	1,168	246	1,099	1,291	1,069	228	1,331	
India	—	5	—	—	148	357	388	
Australia	—	—	1	36	281	3,034	1,790	
Italy	172	168	160	81	84	59	96	
Russia	17,218	15,444	8,551	8,062	—	—	4,000*	
United States ...	982	1,113	1,546	1,321	1,503	895	1,261	

* Estimated.

Exports of Asbestos from Chief Producing Countries
(long tons).

Southern Rhodesia ...	222	151	1,657	5,105	8,898	7,450	8,679	13,627
Union of South Africa	1,015	1,167	2,759	4,009	5,419	3,395	4,929	7,448
Canada : Asbestos	92,689	72,394	75,521	86,406	83,868	106,655	106,359	
Sand and Waste ...	22,112	16,956	22,413	29,968	46,507	19,771	22,595	
Cyprus	1,168	246	1,099	1,291	1,069	228	1,331	

Imports of Asbestos into Chief Consuming Countries
(long tons).

United Kingdom ...	11,602	14,714	25,523	26,712	15,436	19,887	17,669	
Italy	4,674	2,666	5,294	5,341	3,669	3,110	3,591	3,904
United States ...	86,737	64,166	83,541	103,716	119,739	122,946	120,777	149,605

BARIUM MINERALS.*World's Production of Barium Minerals*
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	50,045	48,930	62,477	76,034	65,557	66,360	60,087	64,150
Southern Rhodesia...	—	—	—	—	—	48	—	—
Canada	572	546	491	1,221	3,116	571	418	—
India... ..	—	—	—	—	—	2,724	2,590	—
Australia	541	728	368	1,224	1,255	2,037	2,783	—
Belgium	11,807	—	—	—	—	—	—	—
Baden	16,181	—	—	—	—	—	—	—
Bavaria	26,762	17,734	7,030	12,286	10,037	5,421	8,663	—
France	12,039	—	—	—	—	—	—	—
Italy	12,762	12,762	17,563	21,302	18,695	12,102	15,664	—
Spain... ..	2,999	2,434	4,150	10,339	9,984	4,103	11,275	—
United States ...	40,445	47,096	96,917	198,171	184,721	138,721	170,000*	175,000*

* Estimated.

Exports of Barytes from Chief Producing Countries
(long tons).

United Kingdom ...	5,737	2,979	2,454	4,226	3,756	1,568	1,214	722
France	1,635	1,389	1,144	370	293	49	127	254
Italy	230	207	3,235	2,711	1,095	515	1,945	4,229

NOTE.—For certain producing countries—*e.g.*, Spain and the United States—export figures are not available. During the year 1913 Germany exported 155,525 tons of barytes, 5,558 tons of barium chloride and 7,524 tons of barium white. Austria-Hungary during the same period exported 753 tons of barytes and 4,918 tons of barium chloride. Later figures are not available.

Imports of Barytes and Barium Compounds into Chief Consuming Countries
(long tons and £).

In certain cases the imports of barium compounds are given by value only. Figures are summarized in the following table:—

United Kingdom :								
Barytes—Quantity	54,632	31,589	7,087	9,235	1,399	1,480	20,412	29,093
Canada :								
Blanc Fixe and								
Satin white—								
Quantity ...	1,516	1,655	2,452	3,346	3,214	3,150	3,320	
Barium Peroxide—								
Quantity ...	37	30	35	26	38	64	55	
France :								
Barytes—Quantity	15,629	10,005	1,778	5,295	5,205	1,143	5,600	12,361
United States :								
Crude Barytes—								
Quantity ...	32,000	21,806	2,236	15	5	—	105	
Ground Barytes—								
Value	7,949	6,351	2,237	432	363	—	—	
Lithopone—Value	31,871	57,880	30,118	86,373	7,441	207	26,484	—
Barium Chemicals								
—Value ...	81,556	98,021	59,067	8,995	4,627	2,945	5,696	

NOTE.—During the year 1913 Germany imported 19,153 tons of barytes and 2,556 tons of barium chloride, whilst Austria-Hungary imported 23,350 tons of barytes. Later figures are not available.

BISMUTH.*World's Production of Bismuth** (long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Australia :								
Bismuth ore and metal ...	15	31	27	37	29	37	23	
Bismuth-wolfram ore ...	182	193	247	137	131	114	140	
Spain :								
Ore	55	39	17	11	14	33	74	
Bolivia (exports) :—								
Bismuth concentrates ...	415	430	652	439	58	75	37	
Bismuth ore	—	110	—	165	119	110	92	
Bismuth residue	—	—	—	53	98	53	72	
Bismuth ingots	—	—	—	—	251	245	166	
Peru :								
Metal	25	11	—	—	1	—	—	
Japan :								
Ore	—	3	7	1	1	1	—	

* In addition to the countries mentioned in the above table, Rhodesia, India, Germany, Norway and the United States have produced bismuth. The total production of ore in Rhodesia to the end of 1920 was 6 tons. In 1917, India produced 5 cwt. of metal. Norway, in 1915 and 1917, produced a total of 20 tons of low-grade ore. Figures for Germany are not available. China is reported to have produced a considerable amount during 1919. The production of bismuth in the United States (chiefly as a by-product in the refining of lead bullion) during 1919 and 1920 is reported to have been approximately 143 tons and 112 tons respectively.

The exports of bismuth from Bolivia are given in the world's production table. No particulars are available regarding the export of bismuth-wolfram ore from Australia. Imports of bismuth into chief consuming countries are not generally given separately in trade returns.

Imports into France and the United States were as follows :—

Year.	France (long tons).	United States (long tons).
• 1913	61	53
1914	61	40
1915	120	20
1916	120	34
1917	136	31
1918	143	61
1919	94	26

BORATES.*World's Production of Borates* (long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Italy :								
Crude boric acid ...	2,371	2,496	2,457	2,256	2,297	2,174	2,030	
Argentina :								
Exports of calcium borate	918	603	189	85		258		
Chile :								
Calcium borate ...	49,418	31,394	14,630	12,363				
Peru :								
Borates	1,969	1,243	502	1,268	787	515	511	
United States :								
Crude borates ...	51,831	55,714	59,824	92,433	97,210	79,280	59,059	107,429

Exports of Borates from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Italy :								
Crude boric acid ...	760	658	361	270	106	123	273	364
Refined boric acid...	562	513	1,166	1,272	984	1,189	1,385	858
Borax ...	30	4	147	521	4	2	99	35
Argentina :								
Calcium borate ...	918	603	189	85		258		
Chile :								
Calcium borate ...	41,336	33,654	15,865		10,429			

Imports of Borates into Chief Consuming Countries

(long tons).

United Kingdom :									
Borate of Lime ..	18,110	14,077	19,457	17,095	11,648	8,126	12,350	} 23,117	
" Boracite " ...	4,489	5,405	—	550	—	327	2,241		
Borax ...	847	675	1,262	906	1,874	824	1,701		427
Union of South Africa:									
Borax ...	370	348	389	462	191	299	95	273	
Canada* :									
Boric acid ...	185	175	173	161	185	172	158		
Borax ...	1,377	1,187	1,356	1,374	1,846	1,906	1,032		
India† :									
Boric acid and borax	334	263	315	414	361	469	377		
Australia‡ :									
Boric acid ...	360	338	269	300	355	335			
Borax ...	—	—	—	—	540	645			
France :									
Borate of lime ...	2,808	492	2,326	—	—	—	1,030		
Crude borax ...	14,809	9,001	1,192	7,090	3,823	1,683	4,948	6,518	
Italy :									
Borax ...	136	273	706	967	622	344	554	1,281	
Norway :									
Borax ...	106	84	671	616	136				
Portugal :									
Sodium borate ...	128	153	203	119	233	43			
Sweden :									
Boric acid ...	118	125	207	71	46	35	141	120	
Borax, crude and refined	462	455	812	491	174	71	595	491	
United States :									
Boric acid ...	189	190	197	158	180	116	124		

* Fiscal years ending March 31.

† Imports by sea only. Fiscal years ending March 31.

‡ 1913 is a calendar year. Other figures for Fiscal years ending June 30.

CHROMITE.

World's Production of Chromite ¹⁰

(long tons).
 116343 129339 167640 269239 243411 269854 89559 79692

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	111	117	—	386	298	—	—	1,100
✓ Rhodesia ...	56,593	43,042	54,090	79,349	65,146	27,934	31,501	53,812
✓ Canada ...	—	—	11,019	24,569	32,790	19,637	7,469	9,375
India ...	5,676	5,888	3,767	20,159	27,061	57,769	36,439	
Australia ...	677	649	757	611	1,343	718	250	
✓ Bosnia and Herze- govina	300	208	364	951	1,776	492		
✓ Greece ...	6,240	6,946	10,253	9,721	6,642	10,715	10,000*	13,176
Norway ...	—	80	344	2,713	3,911			
Cuba (exports) ...	—	—	—	33	17	8,821		
✓ United States ...	255	591	3,281	47,035	43,725	82,350	3,900	2,234†
Japan ...	1,311	2,083	2,943	8,150	8,803	7,128		
New Caledonia ...	45,180	69,935	80,822	68,562	53,899	54,290		

* Estimated.

† Sales ^{210,154}

NOTE.—In addition to the countries mentioned in the above table Russia, Asia Minor, Brazil, Cuba and Guatemala have produced chromite. No figures are available for Asia Minor from 1913 onward, but the annual production during the war period may be roughly estimated at from 15,000 to 20,000 tons. Brazil is reported to have produced about 18,000 tons during 1918, over 17,000 of which were shipped to the United States. Cuba produced about 9,000 tons during 1918, whilst exports from Guatemala during 1917 and 1918 were 1,100 and 1,200 tons, respectively.

Exports of Chromite from Chief Producing Countries

(long tons).

Southern Rhodesia...	56,160	45,621	54,040	78,041	52,965	33,796	18,271	66,207
Canada ...	*	*	6,509	11,279	17,169	14,135	8,105	7,528
India ...	4,483	3,767	1,296	6,740	10,157	40,424	11,455	30,675
Austria-Hungary ...	140	154	739	10,731	18,592			
Greece ...	6,819	9,229	7,399	10,279	9,446	4,349		
Norway ...	20	12	751	2,693	2,357		377	5
New Caledonia ...	62,352	70,556	56,550	73,514	41,219			

* Not stated.

Imports of Chromite into Chief Consuming Countries.

Imports of chromite were not separately stated in the trade returns of the United Kingdom prior to 1920, during which year 29,662 tons were imported. Imports into the United States during the period under review have been as follows:—

Year.	Quantity (long tons).	Year.	Quantity (long tons).
1913 ...	65,180	1917 ...	72,063
1914 ...	74,686	1918 ...	100,142
1915 ...	76,455	1919 ...	61,404
1916 ...	115,945	1920 ...	150,275

COAL.

World's Production of Coal (including Brown Coal)
(in thousands of long tons).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	287,431	265,665	253,208	256,376	248,500	227,749	229,780	229,532
Nigeria ...	—	—	—	25	83	148	138	—
Southern Rhodesia	217	312	366	439	490	439	455	517
Union of South Africa	9,583	9,125	8,977	10,966	11,444	10,692	9,162	10,244
Canada ...	13,404	12,176	11,846	12,932	12,542	13,373	12,215	14,842
India ...	16,208	16,464	17,104	17,254	18,213	20,722	22,628	—
Malay States ...	—	2	12	102	155	169	191	—
Australia ...	12,418	12,445	11,415	9,812	10,232	10,949	10,525	—
New Zealand ...	1,888	2,276	2,209	2,257	2,068	2,034	1,848	1,727*
Austria ...	43,134	38,498	37,737	40,146	37,739	—	2,064§	2,481§
Belgium ...	22,474	16,445	13,950	16,592	14,691	13,668	18,190	22,053
Bosnia and Herzegovina	834	794	786	913	958	—	664	—
Bulgaria ...	352	414	525	630	749	662	561	—
France ...	40,188	26,141	19,219	20,968	28,427	25,899	19,645	24,870
Germany ...	274,264	241,288	230,889	248,606	258,639	256,979	199,160	239,075
Greece ...	—	20	39	115	155	205	—	—
Greenland ...	—	—	—	2	—	—	2	—
Holland ...	1,843	1,898	2,226	2,613	3,001	4,804	5,271*	5,255*
Hungary ...	10,109	9,027	9,112	—	8,686	—	—	—
Italy ...	690	769	938	1,285	1,694	2,136	1,297	1,783
Portugal ...	25	29	39	—	—	—	—	—
Rumania ...	240	271	307	—	—	—	—	—
Russia ...	31,688	35,142	30,964	33,781	30,952	—	—	—
Serbia ...	306	—	—	—	—	—	102	—
Spain ...	4,224	4,353	4,611	5,499	5,876	7,049	6,143	5,825
Spitzbergen	—	—	—	—	—	61	—	—
Sweden ...	358	361	406	408	436	398	422	—
Switzerland ...	—	—	—	—	—	114	—	—
Turkey ...	828	650	488	239	362	349	552	—
Algeria ...	—	—	—	—	—	7	—	—
Tunis ...	—	—	—	10	32	41	35†	—
Mexico ...	—	—	—	—	424	769	717	—
United States	508,893	458,505	474,660	526,873	581,609	605,546	487,638	576,485‡
Chile ...	1,263	1,069	1,153	1,395	1,515	—	—	—
Peru ...	270	279	286	314	348	337	339	—
Venezuela ...	6	9	13	18	20	24	—	—
China ...	13,558	9,123	17,711	21,351	—	—	23,000‡	11,965*
Formosa ...	314	337	373	509	662	757	1,132‡	—
Indo-China ...	501	610	634	640	633	626	—	—
Japan ...	20,973	21,935	20,161	22,534	25,938	27,579	30,000‡	—
Korea ...	126	180	225	188	192	—	—	—
Kwantung ...	1,489	2,244	2,132	2,204	2,097	—	—	—
Dutch East Indies	404	559	609	737	819	—	828	—

* Preliminary figures, subject to revision.

† Exports.

‡ Estimated.

§ These figures relate to the newly-formed Austrian Republic only.

Exports of Coal from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	73,400,118	59,039,880	43,534,560	38,351,553	34,995,787	31,752,904	35,249,568	24,931,853
Southern Rhodesia	23,178	70,068	58,979	77,102	91,352	83,301	82,298	79,687
Union of South Africa	764,313	581,438	452,267	505,032	480,964	1,078,916	975,008	1,161,850
Canada	1,394,661	1,270,648	1,577,270	1,906,571	1,547,461	1,622,495	1,848,259	2,284,084
India	757,486	577,944	751,801	878,830	407,978	74,335	507,930	1,228,408
Australia*	2,098,505	1,163,860	1,371,745	929,998	646,552	356,723	528,093	
New Zealand†	211,749	307,700	323,992	328,183	221,125	182,603	138,174	80,088
Austria	697,602	458,647	1,105,229	479,046	178,765			
France	1,131,956	601,720	95,521	111,065	119,060	1,800,742	526,158	410,018
Germany‡	34,041,961	26,819,925	16,584,116	18,812,714	14,978,345	12,745,811		
United States	22,141,143	17,632,094	20,305,263	23,142,997	26,648,985	24,391,552	22,401,905	39,215,030
China	1,465,249	1,973,394	1,294,399	1,293,691	1,550,304	1,680,697	1,453,389	
Japan	3,808,394	3,529,161	2,877,098	2,968,460	2,768,246	2,161,727	1,984,292	2,300,000

* 1913 is a calendar year; 1914, 6 months ending June 30. Other figures for fiscal years ending June 30.

† Including bunker coal.

‡ Excluding brown coal.

Imports of Coal into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Egypt	1,693,749	1,412,805	990,889	901,779	454,562	493,716	556,453	874,073
Canada	16,251,744	13,143,801	11,130,270	15,696,967	18,622,732	19,355,881	15,454,319	16,734,412
New Zealand	468,940	518,070	353,471	293,956	291,597	255,332	391,434	476,343
Austria	13,469,150	9,875,582	9,319,386	11,831,775	10,281,690		2,812,414	3,679,847
Denmark	3,070,157	3,126,924	3,174,519	2,758,038	1,445,215	1,720,733	1,896,506	2,183,919
France	18,410,224	15,182,272	18,761,292	18,472,986	15,615,421	15,139,099	18,800,512	23,872,349
Germany	10,370,607	6,370,937	2,435,223	1,303,705	495,900	191,866		
Italy*	10,659,890	9,602,038	8,234,527	7,935,424	4,956,637	5,747,050	6,126,383	
Netherlands†	13,492,147	11,100,468	6,851,036	5,588,622	2,617,403	1,238,800	2,909,665	
Norway	2,240,216	2,464,349	2,714,174	2,427,895	1,042,438	1,398,692	1,523,009	1,797,746‡
Portugal	1,330,094	1,158,479	1,036,277	924,586	389,639			
Spain	2,658,489	2,464,726	1,698,537	1,984,823	1,076,316	457,967	792,006	285,478
Sweden	4,800,444	4,552,571	3,774,042	3,971,580	1,479,590	1,943,302	1,899,586	2,761,202§
Switzerland	1,939,304	1,672,328	1,840,153	1,605,425	1,213,765	1,159,823	1,666,862§	2,546,441§
United States	1,439,777	1,394,662	1,524,234	1,535,904	1,304,449	1,334,237	977,115	1,139,944
Argentina	3,981,249	3,366,537	2,503,003	1,854,490	696,338	808,764	1,238,515	
Brazil	2,225,988	1,515,374	1,145,057	1,008,021	805,175	627,241	912,146	
Chile	1,561,577	1,283,505	454,052	511,529	496,750			
China	1,663,717	1,575,224	1,377,875	1,399,138	1,420,915	1,057,779	1,153,974	

* Including coke and manufactured fuel.

† These figures are not of much value as it is impossible to distinguish in Dutch reports between imports for consumption and coal passing through Holland.

‡ Provisional figure, including coke.

§ Provisional figures, subject to revision.

COBALT.*World's Production of Cobalt and Cobalt Ore*
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada: Cobalt recovery from smelter products, including cobalt recovered in cobalt residues exported	387	389	225	375	482	602	150*	265*
New Caledonia: Cobalt ore ...	—	439	138	303	94	47		

* Provisional figures.

Imports of Cobalt into Chief Consuming Countries
(long tons).

France: Cobalt Oxide	124	76	1	29	1	5	12	
Sweden: Cobalt Oxide	10	5	2	5	6	4	—	
United States: Cobalt, Cobalt Ore and Zaffer	73	47	24	61	100	225	35	70
Cobalt Oxide ...	20	102	69	92	123	93	58	

Exports of Cobalt.

In 1913, New Caledonia exported 905 tons of ore; no further statistics are available. Exports of Cobalt are not given in the Canadian trade returns prior to 1918, since when the figures have been as follows:—

(Fiscal years ending March 31).

	1918	1919
	(lb.).	(lb.).
Metallic Cobalt	295,718	287,735
Cobalt Alloys	67,714	57,068
Cobalt Oxides and Cobalt Salts	520,615	640,303

COPPER.

World's Production of Copper Ore (in terms of metal)
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	421	341	235	278	187	179	144	107§
Northern Rhodesia ...	5,856†	763	176	1,159	1,803	793	182	130
Southern Rhodesia ...	—	903	3,140	3,144	3,493	2,905	2,689	2,775
Union of South Africa	8,262	11,288	10,881	10,197	8,028	5,065	2,282	
Canada ...	34,365	33,811	44,993	52,299	48,762	53,022	33,538	36,231
India ...	143	200	333	100	751	136	1,228	
Australia ...	46,493	38,426	39,978	38,807	39,429	38,358	19,183	26,595
Austria-Hungary ...	4,069	3,257						
France ...	—	11	10	40	54	23		
Germany ...	24,902	29,990	34,437	44,277	44,277	32,357		
Italy ...	2,917	2,473	2,731	2,843	2,822	2,736		
Norway ...	14,048	13,159	15,538	8,894	9,974			
Portugal ...	6,525	4,638	4,534					
Russia ...	42,279	31,425	25,465	20,541	15,743	4,920		
Spain ...	47,300§	31,108	30,762	36,818	44,038	18,457	62,070	
Sweden ...	1,157	1,306	2,535	3,153	4,255	4,621	3,168	
Algeria ...	—	31	—	13	279	174	40	
Belgian Congo ...	5,324	10,172	13,814	21,809	27,055	19,913	22,634	20,000§
Cuba* ...	2,833	4,561	10,882	15,531	20,726	16,523	9,560	
Mexico ...	51,965	35,766	20,272	27,954	50,166	69,094	50,076	48,401
United States (smelter output from domestic ores)	546,644	513,453	619,646	860,646	842,017	852,023	585,063	551,339
Argentina (exports)	186	—	25	104		137		
Bolivia (exports) ...	3,641	3,993	8,150	8,750	10,562	8,483		
Chile ...	41,584	43,947	51,500	70,143	100,879	105,097	68,800	106,000
Peru ...	27,330	26,655	34,169	42,386	44,450	43,700	38,600	
Venezuela ...	—	358	588	1,156	2,911	2,046	185	
Japan and Formosa	66,822	71,035	75,511	99,951	107,088	88,712†	81,865†	64,964†

* Copper content of exports to the United States.

† Japan only.

‡ From the commencement of operations to the end of 1913.

§ Estimated.

FELSPAR.

World's Production of Felspar
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	66,626.	60,702	40,312	36,871	33,166	36,999	47,869.	77,675
Canada ...	14,991	16,125	12,999	17,400	17,377	16,770	14,236	32,907
Australia ...	—	—	—	—	46	—	—	—
Germany (Bavaria)	—	3,055	1,938	2,607	2,489	3,711	—	6,422
Italy ...	—	689	689	886	1,271	1,493	1,082	—
Norway (exports) ...	40,186	27,518	12,404	12,605	4,364			
Sweden ...	37,269	20,483	11,910	12,519	18,235	17,563	12,698	
United States ...	107,996	120,910	93,855	118,465	126,718	88,229		

With the exception of Scandinavia, trade figures relating to felspar are not available. The exports from Norway and Sweden during the period under review have been as follows :—

Year.		Norway (long tons).	Sweden (long tons).
1913	... ..	40,186	37,460
1914	... ..	27,518	16,574
1915	... ..	12,404	10,531
1916	... ..	12,605	13,598
1917	... ..	4,364	13,885
1918	... ..	1,010	15,599
1919	... ..	3,010	9,412
1920	... ..		17,249

FLUORSPAR.

World's Production of Fluorspar (long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	53,663	33,816	33,123	54,731	64,874	53,498	36,860	54,683
Canada	—	—	—	1,146	3,794	6,573	4,521	10,026
Australia	—	—	417	1,379	1,376	2,378	2,328	
Bavaria	—	3,670	1,476	4,132	6,366	5,914	6,295	
Italy... ..	—	—	—	787	787	862	886	
Norway	—	—	177	138	—	—	—	
Spain	345	78	364	273	246	344	275	
United States ...	103,196	84,925	122,269	139,049	195,383	235,551	108,929	150,000*

* Estimated.

Particulars regarding imports and exports of fluorspar are meagre. Exports from the United Kingdom are given by value only, tonnages and destinations not being stated. As, however, the imports into the United States were received largely from the United Kingdom, a comparison of the figures is given below :—

Year.		Value of Exports of Fluorspar from the United Kingdom (£).	Imports of Fluorspar into the United States (long tons).
1913	... ..	11,337	20,252
1914	... ..	10,466	9,112
1915	... ..	14,987	6,399
1916	... ..	19,285	11,003
1917	... ..	25,252	12,157
1918	... ..	26,311	11,225
1919	... ..	22,055	6,199
1920	... ..		21,975

FULLER'S EARTH.*Production of Fuller's Earth*
(long tons).

Year.	United Kingdom.	United States.
1913	31,609	34,459
1914	37,862	36,590
1915	29,298	42,769
1916	29,106	60,555
1917	27,916	64,792
1918	23,290	75,418
1919	24,785	95,000*
1920	28,906	

*Provisional figure.

Very little information is available regarding imports and exports of fuller's earth. In addition to being the largest producers, the United Kingdom and the United States are also the chief consumers, and the imports into these two countries are given below. Australia imports on an average 70 tons per annum.

The United States exports are not reported separately.

Imports and Exports of Fuller's Earth.

Year.	Imports.			Exports.
	Into United Kingdom. Unmanufactured.	Into United States.		From United Kingdom. Manufactured.
		Unmanufactured.	Manufactured.	
	Value (£).	Quantity (long tons).	Quantity (long tons).	Value (£).
1913 ...	—	1,711	14,921	48,882
1914 ...	—	1,311	20,990	56,451
1915 ...	11,649	759	16,599	47,203
1916 ...	4,808	1,011	13,990	44,427
1917 ...	2,577	1,287	13,887	49,949
1918 ...	4,038	804	10,453	53,789
1919 ...	8,308	333	12,054	52,989
1920 ...				

GOLD.

Production of Gold (British Empire).

(Quantity : fine oz.)

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE :								
United Kingdom :								
From quartz mined	123	79	926	207	—	—	—	
From copper ore mined	741	900	—					
From foreign cupreous pyrites	2,110	2,062	1,924					
Total	2,974	3,041	2,850					
AFRICA :								
Egypt	4,602	6,136	7,096	6,287	3,319	2,856	1,948	
Egypt (Anglo-Egyptian Sudan)*	14,868	19,156	19,167	18,351		3,666	7,883	
Total	19,470	25,292	26,263	24,638		6,522	9,831	
British West Africa :								
Gold Coast	388,126	410,655	404,781	383,651	364,707	314,862	295,226	
Nigeria		350†	1,409†	2,423†	2,866†	1,415†		
Total		411,005	406,190	386,074	367,573	316,277		
Bechuanaland‡					2,824	1,445		
Rhodesia :								
Southern	689,954	854,480	915,029	930,356	834,231	631,358	593,222	552,498
Northern	212	953		719	117	—	224	569
Total	690,166	855,433		931,075	834,348	631,358	593,446	553,067

Union of South Africa :								
Transvaal	8,794,824	8,378,139	9,093,671	9,295,538	9,022,212	8,420,659	8,330,091	8,153,625
Cape Province	31	40	48	31	15	2	8	19
Natal	347	1,707	2,461	315	289	85	349	210
Total	8,795,202	8,379,886	9,096,180	9,295,884	9,022,516	8,420,746	8,330,448	8,153,854
Swaziland†	11,324	9,310	6,497	4,633	—	—	34	
AMERICA :								
British Guiana§	‡67,040	‡55,936	||34,254	31,947	25,416	21,121	14,071	12,092
Canada :								(crude oz.)
Nova Scotia	2,174	2,904	6,636	4,562	2,210	1,176	850	690
Quebec	701	1,292	1,099	1,034	1,511	1,939	1,470	955
Ontario	219,801	268,264	406,577	492,481	423,261	411,976	505,739	564,959
Manitoba... ..	—	—	—	—	440	1,926	724	781
Alberta	—	48	195	82	—	27	24	—
British Columbia	297,459	252,730	273,376	219,633	133,742	180,163	167,252	127,387
Yukon	282,838	247,940	230,173	212,700	177,667	102,474	90,705	72,140
Total	802,973	773,178	918,056	930,492	738,831	699,681	766,764	766,912
ASIA :								
British India :								
Mysore (Kolar)	507,250	511,336	515,286	500,621	487,090	456,359	449,980	
Other Provinces, etc., including Burma	32,025	38,865	41,310	40,456	33,272	28,877	11,191	
Total	539,275	550,201	556,596	541,077	520,362	485,236	461,171	444,532

* Conversions from export values at 85s. per fine oz.

† From alluvial. Probably crude oz.

‡ Fiscal years ending March 31.

§ Conversions from values at 85s. per fine oz.

|| April 1 to December 31.

Production of Gold (British Empire)—cont.

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
ASIA— <i>cont.</i>								
Federated Malay States*	13,654	13,013	16,996	15,852	16,552	16,694	14,955	
AUSTRALASIA :								
Australia :								
New South Wales	149,657	124,507	132,498	108,145	82,171	87,045	65,839	48,907
Victoria	434,933	413,218	329,068	256,653	201,872	158,827	135,427	152,792
Queensland	265,735	249,468	249,711	215,162	179,305	133,571	121,030	118,476
South Australia	6,556	6,258	6,081	7,769	7,145	6,189	3,224	3,000
Western Australia	1,314,044	1,232,978	1,210,112	1,061,399	970,317	876,511	734,066	618,577
Tasmania	33,400	26,243	18,547	15,790	14,496	10,529	7,686	6,170
Northern Territory	3,119	2,532	984	965	859	†256		
Total	2,207,444	2,055,204	1,947,001	1,665,883	1,456,165	1,272,928	1,067,272	
Papua‡	15,094	11,797	12,058	10,181	8,943	7,852	6,228	
New Zealand	343,412	210,787	398,932	282,319	212,680	9,974	313,978	
Total, British Empire	13,896,154	13,354,083	14,336,902	14,120,262	13,209,529	11,889,834	11,873,424	

* Exports. (Conversions from values at 85s. per fine oz., except for 1919, when the value probably included Gold Premium.)

† Six months to June 30.

‡ Fiscal years ended June 30.

Production of Gold (Foreign Countries).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE :								
Austria-Hungary	105,430	9,712	67,366	48,400	7,250	8,700		
France	68,930	41,506	6,945	6,784	4,919	129		
Germany	1,244,200	736,230	199,330					
Italy	830	1,555	60	97	34	1,100		
Russia, Finland and Siberia*	1,282,470	1,382,986	1,273,476	1,088,400	870,750	830,000	387,000	
Serbia	15,870	5,600						
Spain and Portugal	110	113	32					
Sweden	816	2,710	1,201	586	355	482	693	
Turkey	24	23	23					
AFRICA :								
Belgian Congo	43,600	55,342	85,595	104,122	118,627	123,649		
French West Africa	2,979	2,427	3,413	3,250	3,049	2,000		
Madagascar	61,260	52,468	61,639	44,891	32,755	22,000		
Portuguese East Africa	5,699	15,263	12,922	11,217	9,778	5,592		
AMERICA :								
Central America	131,670	115,781	143,700	170,179	151,000	164,500		
Mexico	829,783	277,623	236,570	377,692	756,878	813,799	756,885	735,078
United States (including Philippine Islands and Porto Rico)	4,299,783	4,572,976	4,887,602	4,479,056	4,051,440	3,320,784	2,829,395	2,395,017
Argentina	126	—	—	740	223	194		
Chile	36,874†	34,622†	42,937†	29,852	37,031	38,449		
Brazil	109,080	103,522	117,296	139,800	143,100	135,400		
Colombia	143,770	226,347	263,819	298,690	241,900	235,440		
Ecuador	19,666	16,781	26,399	27,090	42,950	38,700		
Peru	44,135	49,449	54,334	61,310	60,667	57,645	65,232	
Uruguay	1,447	739	572	580	484	484		
Venezuela	20,273	27,297	67,506	61,437	30,813	22,890	21,009	
Dutch Guiana	22,760	24,350	21,725	21,200	21,530	15,590	17,501	12,646
French Guiana	95,548	76,809	85,878	77,622	72,224	45,781		

* Figures generally unreliable, those after 1915 being estimates.

† Crude oz.

Production of Gold (Foreign Countries)—cont.

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
ASIA :								
China*	175,360	177,744	200,000	150,000	174,000	174,000	†200,000	‡133,000
French Indo-China	3,300	2,500	3,200	3,300	2,900			
Japan	178,044	231,047	266,626	253,669	227,468	247,306	204,918	
" (Formosa)	38,000	46,867	56,167	49,209	52,942	24,850		
" (Korea)	172,909	171,829	196,573	223,053	176,124	159,650		
Total, Japanese Empire	388,953	449,743	519,366	525,931	456,534	431,806		
Siam	2,730							
Dutch East Indies :								
Celebes	14,900	} 112,621	22,250	20,290	16,280	16,520		
Sumatra	98,960		80,710	57,510	83,190	73,070		
Other Islands	10,400		27,312	44,820	25,690	5,928		
Total, Dutch East Indies... ..	124,260	112,621	130,272	122,620	125,160	95,518		
Total, Foreign Countries§	9,281,736	8,574,839	8,513,178	7,854,846	7,416,351	6,584,632		

* Estimated.

† Estimates of Chinese Mining Bureau, cabled from Peking.

§ Includes crude oz. production in Chile for years 1913, 1914 and 1915.

† Estimated production of alluvial gold in Manchuria, Mongolia, etc., as follows :—

Manchuria	120,000
Outer Mongolia	60,000
Other regions	20,000

200,000 oz.

World's Total Gold Production.

(Quantity : fine oz.)

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
British Empire Total ...	13,896,154	13,354,083	14,336,902	14,120,262	13,209,529	11,889,834	11,873,424	
Foreign Countries Total*	9,281,736	8,574,839	8,513,178	7,854,846	7,416,351	6,584,632		
World's Total ...	23,177,890	21,928,922	22,850,080	21,975,108	20,625,880	18,474,466		

* Includes crude oz. production in Chile for years 1913, 1914 and 1915.

Exports of Gold (British Empire).

(Quantity : fine oz.)

(Converted from values at the rate of 85/- per fine oz.)

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	
EUROPE : United Kingdom ...	Gold in Ore, to Foreign Countries									
	Total	941	—	2,764	—	—	—	—	—	
	Gold Leaves, to British Possessions	314	156	139	161	22	2	27	—	
	Gold Leaves, to Foreign Countries	59	3	15	245	—	—	—	—	
	Total	373	159	154	406	22	2	27	—	
	Gold Bullion, unrefined...	283,324	151,354	—	—					—
	Gold Bullion, refined ...	5,711,266	4,613,640	999,511	3,236,057					18,969,757
	Gold Plate	847	454	856	504	213	88	831		
	Gold Coin, of legal tender in the U.K.	4,645,026	2,353,050	7,576,372	4,440,523					2,809,021
	Gold Coin, not of legal tender in the U.K.	204,469	81,732	651,909	1,370,223					1,254
Total	10,844,932	7,200,230	9,228,648	9,047,307						
TOTAL	10,846,246	7,200,389	9,231,566	9,047,713						

AFRICA :										
Egypt	... ..	Gold Bullion	35,917	80,735	166,782	27,624	17,175	14,080	7,255	
		Gold Jewellery, Plate, etc.	—	—	10	19	—	41	96	
		Gold Coin... ..	2,685,675	1,531,437	29,378	20,299	2,354	—	—	
		Total	2,721,592	1,612,172	196,170	47,942	19,529	14,121	7,351	
Anglo-Egyptian Sudan		Gold Bullion (probably to Egypt, for re-export)	14,868	19,156	19,167	18,351	—	863	1,855	
British West Africa		Gold Bullion	382,589	390,455	413,071	282,557	404,349	} 325,798		
Gold Coast		Gold in Auriferous By-products	7,084	—	—	9,709	5,251			
		Gold Coin	159	14,332	118	470	—			
		Total	389,832	—	—	292,736	409,600			
Nigeria	... ..	Gold (Alluvial)	1,199	1,774	—	2,353	2,710	496	—	
		Gold Coin (British) ...	—	941	—	4,706	—	43	—	
		Total	1,199	2,715	—	7,059	2,710	539	—	
British South Africa (Union of South Africa and Rhodesia)		Gold in Ores, to British Countries	—	1	—	376	—			
		Gold Bullion, to British Countries	9,523,906	5,346,922	—	—	—			
		Gold in Slag or Concentrates, to British Countries	9,211	5,266	2,697*	392*	—			
		Total	9,533,117	5,352,189	—	—	—			
		Gold Coin, to British Countries	6,646	15,226	24,239	15,259	2,788			
		Gold Coin, to Foreign Countries	1,106	17,623	12,706	3,059	2,537			
		Total	7,752	32,849	36,945	18,318	5,325			
		TOTAL	9,540,869	5,385,038	—	—	—			

* Rhodesia only.

Exports of Gold (British Empire)—cont.
(Quantity : fine oz.)

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
AMERICA :									
British Guiana ...	Gold Bullion, Produce of Colony	67,614	54,608	45,872	31,815			12,682	
	Gold Bullion, not Produce of Colony	536	5,664	3,890	4,827			450	
	Gold Coin ...	545	309	—	17			1,334	
	Total ...	68,695	60,581	49,762	36,659			14,466	
Canada ...	Gold Dust, Nuggets, etc.	626,021	747,167	810,203	901,123	780,836	492,197	246,918	227,594
ASIA :									
British India ...	Gold Bullion ...	537,508	369,580	480,690	5,110		1,052,593	2,756,386	1,519,059
	Gold Coin (British) ...	329,801	234,342	501,889	35,931		—	703,516	172,521
	Gold Coin (Foreign) ...	7,540	4,793	1,619	2,501		181,143	543,426	60,866
	Total ...	874,849	608,715	984,198	43,542		1,233,736	4,003,328	1,752,446
Federated Malay States	Gold Bullion ...	13,654	13,013	16,996	15,852	16,552	16,694	17,200*	
AUSTRALASIA :									
Australia (Fiscal years after 1913)	Gold Bullion and Coin, and Gold in Matte :								
	To British Countries ...	767,154	560,851	681,442	1,672,065	1,441,739	1,686,031		
	To Foreign Countries...	49,062	56,761	1,802,148	1,060,240	62,731	595		
Total ...	816,216	617,612	2,483,590	2,732,305	1,504,470	1,686,626			
Papua (Fiscal years ending June 30)	Gold Bullion ...	14,666	11,114	11,974	10,176	8,938			
New Zealand ...	Gold Bullion, etc., to British Countries and United States	343,412	210,674	398,718	282,168	212,680	9,974	313,978	
	Gold Coin to British Countries (chiefly)	39,449	1,770	50,215	190			235	
	Total ...	382,861	212,444	448,933	282,358			314,213	

* Probably includes Gold Premium.

Exports of Gold (Foreign Countries).

(Quantity : fine oz.)

EUROPE :										
Austria-Hungary ...	Gold Bullion ...	...	102,565							
	Gold Coin... ..	...	672,524							
	Total ... ..	...	775,089							
Belgium	Gold Bullion ...	...						41,523	5,024	
	Gold Coin... ..	...	30,694						753	
	Total ... ..	...								5,787
France	Gold Bullion ...	...	107,490	141,944	17,952	5,666	1,082	207	42,108	2,183,021
	Gold Leaves, Thread, etc.	...	11,886	9,829	23,548	19,699	28,273	11,304	20,838	17,346
	Gold Coin... ..	...	589,861	529,124	125,502	583	—	—	—	36,056
	Total ... ..	...	709,237	680,897	167,002	25,948	29,355	11,511	62,946	2,236,423
Italy	Gold Bullion ...	...	213,946	121,399	19,650	14,470	4,066	134	4,640	2,097
	Gold Leaves, Thread, etc.	...	346	29	643	456	258	875	384	757
	Gold Coin... ..	...	224,075	51,088	175			—	—	—
	Total ... ..	...	438,367	172,516	20,468			1,009	5,024	2,854
Netherlands ...	Gold Coin to United Kingdom								4,965,392	
	Gold Coin to Belgium ...								160,980	
	Gold Coin to Netherlands East Indies								384,454	
	Gold Coin to other Countries								208	
	Total ... ..	...							5,511,034	
Spain... ..	Gold Bullion ...	...	3,940	312	—	—	47	1,999	4,093	
	Gold Plate and Jewellery	...	282	268	367	456	3,892	3,995	5,144	
	Gold Coin... ..	...	3,479	1,894	3,476	1,253	97	30	864	
	Total ... ..	...	7,701	2,474	3,843	1,709	4,036	6,024	10,101	

Exports of Gold (Foreign Countries)—cont.

(Quantity : fine oz.)

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE—cont. Sweden	Gold Bullion	—	524	1,010	1,230	2,606	2,986	1,686	
	Gold Coin... ..	—	—	—	46	—	—	—	
	Total	—	524	1,010	1,276	2,606	2,986	1,686	
Switzerland	Gold Bullion	35,817	23,996	11,160	7,793	7,845	3,834		
	Gold Coin... ..	231,281	33,824	5,211	0·2	18,824	9,412		
	Total	267,098	57,820	16,371	7,793·2	26,669	13,246		
AFRICA :									
Belgian Congo	Gold Bullion		92,244		30,075				
French West Africa	Gold Bullion	2,677	3,063	5,156	2,409	3,683			
French East Africa (Madagascar)	Gold Bullion	53,601	48,113	61,694	44,931	30,348	17,542	17,779	10,519
Portuguese East Africa (Mozam- bique)							59,182		
AMERICA :									
Costa Rica	Gold Bullion						18,692	19,576	
Mexico	Gold Bullion		6,764*	174,054	205,865				
	Gold Coin... ..				6,118†	328,941‡			

* October-December, 1914.

† 2nd half of 1916.

‡ 1st half of 1917.

United States	...	Gold in Domestic Ore and Base Bullion	29,548	13,973	20,555	15,106	12,351	10,131	1,016
	...	Gold in Foreign Ore and Base Bullion	12	—	—	—	—	—	—
	...	Gold in Domestic Bullion, Refined	2,261,718	2,573,929	41,083	1,356,442	4,422,188	394,734	5,983,096
	...	Gold in Foreign Bullion, Refined	13	20	47,745	1,191	1,543	—	—
	...	Gold in Coin (United States)	2,183,709	8,230,424	838,001	5,240,352	13,433,147	1,589,799	12,034,128
	...	Gold in Coin (Foreign)	24,932	94,201	593,102	1,023,817	360,373	18,562	30,057
	...	Total	4,499,932	10,912,557	1,540,486	7,636,908	18,229,602	2,013,226	18,048,297
Bolivia	...	Gold in Ores	3,085	5,476	5,774	102	—	—	—
	...	Gold Coin	2,894	46,657	1,079	442	24	—	—
	...	Total	5,979	52,133	6,853	544	24	—	—
Chile	...	Gold Bullion	370	276	346	617	53	—	—
	...	Gold Coin	—	—	366	—	—	—	—
	...	Total	370	276	712	617	53	—	—
Colombia	...	Gold Bullion, etc.	—	—	—	261,171	259,297	—	—
	...	Gold Coin	—	—	—	3,295	—	—	—
	...	Total	—	—	—	264,466	—	—	—
Ecuador	...	Gold Bullion	15,979	17,687	25,601	23,639	42,923	—	—
Peru	...	Gold Bullion	138	—	—	—	—	—	—
Venezuela	...	Gold Bullion	—	—	—	72,511	44,293	22,223	23,030
French Guiana	...	Gold Bullion	95,113	—	85,867	—	—	—	—
ASIA :									
China	...	Gold Bullion	97,049	409,623	548,041	311,396	238,765	140,811	370,036
	...	Gold Coin	61,132	35,453	7,663	4,851	16,466	1,093	367,345
	...	Total	158,181	445,076	555,704	316,247	255,231	141,904	737,381
French Indo-China	...	Gold Bullion	3,294	2,118	3,247	3,294	3,412	—	—
	...	Gold Bullion	—	244,142	273,021	375,277	231,329	144,632	—
	...	Gold Bullion	—	—	—	73,208	65,620	45,930	—

Exports of Gold (British Empire)

(Value : £).

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE : United Kingdom ...	Gold in Ore, to Foreign Countries								
	Total	4,000	—	11,746	—	—	—	—	
	Gold Leaves, to British Possessions	1,336	661	590	684	92	7	115	
	Gold Leaves, to Foreign Countries	251	14	64	1,041	—	—	—	
	Total	1,587	675	654	1,725	92	7	115	
	Gold Bullion, unrefined ...	1,204,127	643,254	—	—				—
	Gold Bullion, refined ...	24,272,880	19,607,972	4,247,920	13,753,241				80,621,469
	Gold Plate	3,601	1,930	3,640	2,144	906	373	3,532	
	Gold Coin, of legal tender in the U.K.	19,741,360	10,000,464	32,199,580	18,872,222				11,938,338
	Gold Coin, not of legal tender in the U.K.	868,992	347,360	2,770,613	5,823,449				5,330
Total	46,090,960	30,600,980	39,221,753	38,451,056					
TOTAL	46,096,547	30,601,655	39,234,153	38,452,781					
AFRICA : Egypt	Gold Bullion	152,648	343,124	708,822	117,403	72,995	59,838	30,836	
	Gold Jewellery, Plate, etc.	—	—	45	79	—	175	407	
	Gold Coin	11,414,117	6,508,606	124,855	86,272	10,004	—	—	
	Total	11,566,765	6,851,730	833,722	203,754	82,999	60,013	31,243	

Anglo - Egyptian Sudan	Gold Bullion (probably to Egypt, for re-export)	63,190	81,412	81,461	77,992		3,666	7,883		
British West Africa (Gold Coast)	Gold Bullion	1,626,003	1,659,435	1,755,552	1,200,868	1,718,483	} 1,384,640			
	Gold in Auriferous By-products	30,107			41,262	22,316				
	Gold Coin	674	60,910	500	2,000	—				
	Total	1,656,784			1,244,130	1,740,799				
Nigeria	Gold (Alluvial)	5,097	7,540		10,000	11,519	2,107	—		
	Gold Coin (British) ...	—	4,000		20,000	—	183	—		
	Total	5,097	11,540		30,000	11,519	2,290			
British South Africa (Union of South Africa and Rhodesia)	Gold in Ores, to British Countries	—	5		1,600					
	Gold Bullion, to British Countries	40,476,600	22,724,419		—					
	Gold in Slag or Concentrates, to British Countries	39,147	22,381	11,464*	1,666*					
	Total	40,515,747	22,746,805							
	Gold Coin, to British Countries	28,248	64,710	103,015	64,853	11,849				
	Gold Coin, to Foreign Countries	4,700	74,898	54,000	13,000	10,783				
	Total	32,948	139,608	157,015	77,853	22,632				
	TOTAL	40,548,695	22,886,413							
	AMERICA : British Guiana ...	Gold Bullion, Produce of Colony	287,361	232,085	194,956	135,214			53,900	
		Gold Bullion, not produce of Colony	2,277	24,071	16,534	20,516			1,914	
Gold Coin		2,315	1,312	—	73			5,667		
Total		291,953	257,468	211,490	155,803			61,481		

* Rhodesia only.

Exports of Gold (British Empire)—cont.

(Value : £).

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920
AMERICA—cont.									
Canada	Gold Dust, Nuggets, etc.	2,660,591	3,175,458	3,443,363	3,829,771	3,318,552	2,091,836	1,049,401	967,273
ASIA :									
British India ...	Gold Bullion	2,284,409	1,570,716	2,042,934	21,716		4,473,519	11,714,641	6,456,003
	Gold Coin (British) ...	1,401,656	995,952	2,133,027	152,708		—	2,989,944	733,216
	Gold Coin (Foreign) ...	32,043	20,372	6,882	10,629		769,857	2,309,558	258,680
	Total	3,718,108	2,587,040	4,182,843	185,053		5,243,376	17,014,143	7,447,899
Federated Malay States	Gold Bullion	58,029	55,304	72,234	67,373	70,346	70,948	73,100*	
AUSTRALASIA :									
Australia (Fiscal years after 1913)	Gold Bullion and Coin, and Gold in Matte :								
	To British Countries ...	3,260,407	2,383,615	2,896,130	7,106,275	6,127,393	7,165,631		
	To Foreign Countries ...	208,513	241,235	7,659,128	4,506,022	266,606	2,530		
	Total	3,468,920	2,624,850	10,555,258	11,612,297	6,393,999	7,168,161		
Papua (Fiscal years ending June 30)	Gold Bullion	62,332	47,233	50,889	43,249	37,988			
New Zealand ...	Gold Bullion, etc., to British Countries and United States	1,459,499	895,367	1,694,553	1,199,212	903,888	42,391	1,334,405	
	Gold Coin, to British Countries (chiefly)	167,659	7,522	213,412	810			1,000	
	Total	1,627,158	902,889	1,907,965	1,200,022			1,335,405	

* Probably includes Gold Premium.

Exports of Gold (Foreign Countries)

(Value : £).

33832

EUROPE :										
Austria-Hungary ...	Gold Bullion	435,900								
	Gold Coin... ..	2,858,228								
	Total	3,294,128								
Belgium	Gold Bullion							176,474	21,393	
	Gold Coin... ..	130,448							3,200	
	Total									24,593
France	Gold Bullion	456,832	603,264	76,296	24,080	4,600	880	178,960	9,277,840	
	Gold Leaves, Thread, etc.	50,518	41,772	100,078	83,720	120,160	48,040	88,560	73,720	
	Gold Coin	2,506,909	2,248,779	533,385	2,480	—	—	—	153,240	
	Total	3,014,259	2,893,815	709,759	110,280	124,760	48,920	267,520	9,504,800	
Italy	Gold Bullion	909,272	515,944	83,512	61,498	17,280	568	19,718	8,911	
	Gold Leaves, Thread, etc.	1,469	125	2,735	1,940	1,098	3,720	1,632	3,220	
	Gold Coin	952,320	217,124	744			—	—	—	
	Total	1,863,061	733,193	86,991			4,288	21,350	12,131	
Netherlands	Gold Coin to United Kingdom							21,102,917		
	Gold Coin to Belgium ...							684,167		
	Gold Coin to Netherlands East Indies							1,633,928		
	Gold Coin to other Countries							883		
Total							23,421,895			
Spain... ..	Gold Bullion	16,747	1,325	—	—	201	8,496	17,395		
	Gold Plate and Jewellery	1,200	1,140	1,560	1,940	16,540	16,980	21,860		
	Gold Coin... ..	14,784	8,051	14,771	5,325	410	128	3,674		
	Total	32,731	10,516	16,331	7,265	17,151	25,604	42,929		

Exports of Gold (Foreign Countries)—cont.
(Value: £).

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
<i>EUROPE—cont.</i>									
Sweden	Gold Bullion	—	2,228	4,293	5,226	11,075	12,689	7,165	
	Gold Coin... ..	—	—	—	198	—	—	—	
	Total	—	2,228	4,293	5,424	11,075	12,689	7,165	
Switzerland	Gold Bullion	152,221	101,982	47,429	33,121	33,342	16,294		
	Gold Coin	982,945	143,754	22,146	1	80,000	40,000		
	Total	1,135,166	245,736	69,575	33,122	113,342	56,294		
<i>AFRICA :</i>									
Belgian Congo	Gold Bullion		392,036		127,817				
French West Africa	Gold Bullion	11,378	13,019	21,914	10,238	15,654			
French East Africa (Madagascar)	Gold Bullion	227,805	204,482	262,200	190,956	128,980	74,552	75,561	44,706
Portuguese East Africa (Mozambique)	... ..						251,523		
<i>AMERICA :</i>									
Costa Rica	Gold Bullion						79,440	83,198	
Mexico	Gold Bullion		28,748*	739,730	874,928				
	Gold Coin... ..				26,000†	1,398,000‡			
United States	Gold in Domestic Ore and Base Bullion	125,579	59,383	87,360	64,202	52,492	43,057	4,317	
	Gold in Foreign Ore and Base Bullion	49	—	—	—	—	—	—	
	Gold in Domestic Bullion, refined	9,612,303	10,939,197	174,603	5,764,876	18,794,301	1,677,620	25,428,159	
	Gold in Foreign Bullion, refined	56	86	202,916	5,060	6,556	—	—	
	Gold in Coin (United States)	9,280,764	34,979,345	3,561,502	22,271,498	57,090,876	6,756,644	51,145,043	
	Gold in Coin (Foreign) ...	105,959	400,355	2,520,685	4,351,224	1,531,584	78,891	127,741	
	Total		19,124,710	46,378,366	6,547,066	32,456,860	77,475,809	8,556,212	76,705,260

* October—December, 1914.

† 2nd half of 1916.

‡ 1st half of 1917.

Bolivia	Gold in Ores	13,112	23,272	24,539	432	—	—	—
	Gold Coin...	12,300	198,293	4,586	1,880	100	—	—
	Total	25,412	221,565	29,125	2,312	100	—	—
Chile	Gold Bullion	1,573	1,175	1,470	2,622	227	—	—
	Gold Coin...	—	—	1,557	—	—	—	—
	Total	1,573	1,175	3,027	2,622	227	—	—
Colombia	Gold Bullion, etc.	—	—	—	1,109,975	1,102,011	—	—
	Gold Coin	—	—	—	14,004	—	—	—
	Total	—	—	—	1,123,979	—	—	—
Ecuador	Gold Bullion	67,909	75,169	108,803	100,466	182,422	—	—
Peru	Gold Bullion	585	—	—	—	—	—	—
Venezuela	Gold Bullion	—	—	—	308,170	188,244	94,446	97,876
French Guiana	Gold Bullion	404,231	—	364,934	—	—	—	—
ASIA :								
China	Gold Bullion, Haikwan Tael	2,730,748	12,757,741	17,959,904	7,977,982	4,700,424	2,264,081	4,966,276
	Gold Coin, Haikwan Tael	1,720,142	1,104,176	251,136	124,286	324,151	17,578	4,930,153
	Total, Haikwan Tael	4,450,890	13,861,917	18,211,040	8,102,268	5,024,575	2,281,659	9,896,429
	Average Value of Hk. Tl.	3/0 $\frac{1}{4}$	2/8 $\frac{1}{2}$	2/7 $\frac{1}{2}$	3/3 $\frac{1}{8}$	4/3 $\frac{1}{8}$	5/3 $\frac{7}{8}$	6/4
French Indo-China	Gold Bullion	14,000	9,000	13,800	14,000	14,500	—	—
Japan (Korea)	Gold Bullion	—	1,037,602	1,160,339	1,594,929	983,147	614,685	—
Philippine Islands	Gold Bullion	—	—	—	311,132	278,884	195,202§	—

§ Not including sales to local jewellers.

Imports of Gold (British Empire)

(Quantity : fine oz.)

(Converted from values at the rate of 85s. per fine oz.)

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE : United Kingdom ...	Gold in Ore from British Possessions	92,656	59,290	64,797	41,681	32,041	11,141	5,962	
	Gold in Ore from Foreign Countries	64,598	59,107	33,210	3,778	2,865	7,767	16,328	
	Total	157,254	118,397	98,007	45,459	34,906	18,908	22,290	
	Gold Leaves from Foreign Countries								
	Total	23,139	13,342	7,937	13,393	2,616	1,060	3,791	
	Gold Bullion, unrefined...	11,102,154	7,066,339	1,509,689	3,858,751				9,542,428
	Gold Bullion, refined ...	25,637	1,363,113	26,158	136,154				1,954,768
	Gold Plate	1,388	978	20	102	6	—	—	
	Gold Coin of legal tender in the U.K.	2,810,998	3,669,934	577,254	121,901				86,970
	Gold Coin not of legal tender in the U.K.	69,104	1,698,781	434,749	69,148				340,136
Total	14,009,281	13,799,145	2,547,870	4,186,056					
TOTAL	14,189,674	13,930,884	2,653,814	4,244,908					
AFRICA : Egypt	Gold Bullion	2,083	1,519	—	239	4	—	754	
	Gold Jewellery, Plate, etc.	4,525	3,938	132	741	102	1,834	4,584	
	Gold Coin... ..	2,353,814	425,329	1,391	5,243	4,496	5,885	—	
	Total	2,360,422	430,786	1,523	6,223	4,602	7,719	5,338	

	Gold Bullion from Anglo-Egyptian Sudan for re-export						863	1,855
	Total						8,582	7,193
British West Africa :								
Gold Coast	Gold Bullion	—	—	—	27	—	334	327
	Gold Coin... ..	66,129	30,830	39,965	17,600	2,235	39,050	79,126
	Total	66,129	30,830	39,965	17,627	2,235	39,384	79,453
Nigeria	Gold Bullion	—	—	—	—	—	111	1,649
	Gold Coin (British) ...	3,395	5,388	1,000	9,412	831	—	—
	Gold Coin (Foreign) ...	—	—	—	—	2,634	—	—
	Total	3,395	5,388	1,000	9,412	3,465	111	1,649
British South Africa (Union of South Africa and Rhodesia)	Gold Bullion from British and Foreign Countries							
	Total	107	108	585	109	19		
	Gold Coin from British Countries	19,099	96,325	329,467	9,071	240,118		
	Gold Coin from Foreign Countries	182,296	134,993	142,539	150,574	107,774		
	Total	201,395	231,318	472,006	159,645	347,892		
	TOTAL	201,502	231,426	472,591	159,754	347,911		
AMERICA :								
British Guiana ...	Gold Bullion from Foreign Countries	480	5,670	3,626	4,957			578
	Gold Coin from Foreign Countries	—	119	96	—			921
	Total	480	5,789	3,722	4,957			1,499

Imports of Gold (British Empire)—cont.
(Quantity : fine oz.)

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
<i>AMERICA—cont.</i>									
Canada	Gold Bullion	41,198	712,474	50,412	914,155	79,985	9,369		
	Gold Coin... ..	612,501	5,769,648	975,992	873,956	624,697	70,816		
	Gold Fringe	343	274	371	239	238	546		
	Total	654,042	6,482,396	1,026,775	1,788,350	704,920	80,731		
<i>ASIA :</i>									
British India	Gold Bullion	2,580,148	1,590,828	805,333	1,405,047	14,100	2,639,058		10,601,286
	Gold Coin (British)	2,629,404	941,385	154,833	116,868	862,583	774,205		1,573,219
	Gold Coin (Foreign)	45,602	25,566	28,813	32,565	17,679	5,842		722,916
	Total	5,255,154	2,557,779	988,979	1,554,481	894,362	3,419,105		12,897,421
<i>AUSTRALASIA :</i>									
Australia	Gold Bullion and Coin, from British Countries	318,850	101,739	128,794	46,247	223,515	1,732,199		
	Gold Bullion and Coin, from Foreign Countries	775	879	841	284	126,222	649		
	Total	319,625	102,618	129,635	46,531	349,737	1,732,848		
New Zealand	Gold Coin, from British Countries (chiefly)	128,000	158,612	190,426	240,894	—	—	—	
	Gold Leaf and Foil, from British Countries (chiefly)	90	342	321	507	302	454	492	
	Gold Jewellers' Sweepings, Scrap, etc., from British Countries	—	5	—	—	—	—	—	
	Total	128,090	158,959	190,747	241,401	302	454	492	

Imports of Gold (Foreign Countries)

(Quantity : fine oz.)

EUROPE :											
Austria-Hungary ...	Gold Bullion ...	...	287,014								
	Gold Coin... ..	...	177,791								
	Total ... ..	...	464,805								
Belgium	Gold Bullion ...	...	*						51,245	19,710	
	Gold Coin... ..	...	217,977						6,696		
	Total ... ..	...							57,941		
France	Gold Bullion ...	...	2,195,459	3,076,894	329,768	565,807	665,195	125,393	833,553	650,588	
	Gold Leaves, Thread, etc.	...	75,323	32,306	3,399	4,395	3,426	3,915	16,706	26,287	
	Gold Coin... ..	...	3,314,943	4,879,998	30,402	12,367	42,522	593	1,421	28,452	
	Total ... ..	...	5,585,725	7,989,198	363,569	582,569	711,143	129,901	851,680	705,327	
Italy	Gold Bullion ...	...	160,625	89,880	20,824	2,536	3,614	6,639	54,293	78,428	
	Gold Leaves, Thread, etc.	...	31,886	21,313	10,360	6,533	15,288	5,020	13,644	25,451	
	Gold Coin... ..	...	20,774	139,522	135,525	—	—	—	4,773	580	
	Total ... ..	...	213,285	250,715	166,709	9,069	18,902	11,659	72,710	104,459	
Netherlands ...	Gold Bullion from the United Kingdom								5,485		
	Gold Bullion from Germany								834,404		
	Gold Bullion from other Countries								2,334		
	Total ... ..	...	48,300	153,029	2,669		353,106	334	842,223		
Gold Coin from Germany								8,196,078			
Gold Coin from other Countries.								1,520			
Total ... ..	...	131,130	874,893	4,480,152		1,839,239	373,676	8,197,598			
TOTAL ... ..	...	179,430	1,027,922	4,482,821		2,192,345	374,010	9,039,821			

* Bullion value as reported for 1913 includes Platinum, so figure cannot be used.

Imports of Gold (Foreign Countries)—cont.
(Quantity : fine oz.)

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE—cont.									
Sweden	Gold Bullion	67,882	7,971	44,812	72,869	144,278	128,289	2,102	
	Gold Coin... ..	66,979	89,687	605,960	169,362	821,975	333,459	206	
	Total	134,861	97,658	650,772	242,231	966,253	461,748	2,308	
Switzerland	Gold Bullion	498,272	395,187	8,487	6,539	8,487	38,393	172,005	
	Gold Coin... ..	50,152	155,169	149,121	1,109,084	330,350	757,436		
	Total	548,424	550,356	157,608	1,115,623	338,837	795,829		
AFRICA :									
Belgian Congo	Gold Coin... ..		11,033		235				
AMERICA :									
United States	Gold in Foreign Ore and Base Bullion	592,461	542,975	669,204	656,961	760,224	796,663	820,805	
	Gold in Domestic Bullion, refined	—	—	641,229	—	—	—	—	
	Gold in Foreign Bullion, refined	1,478,612	814,112	1,913,358	25,216,933	19,690,580	1,907,404	1,626,636	
	Gold in Coin (United States)	788,630	948,111	7,674,727	153,355	3,054,538	330,562	551,221	
	Gold in Coin (Foreign) ...	263,083	507,926	11,256,119	7,599,723	3,575,755	6,682	753,007	
Total	3,122,786	2,813,124	22,154,637	33,626,972	27,081,097	3,041,311	3,751,669		
Chile	Gold Bullion	6	64,300	—	101	571,428			
	Gold Coin... ..	70	763	18,277	438	115,196			
	Total	76	65,063	18,277	539	686,624			
Colombia	Gold Coin... ..							225,204	
ASIA :									
China	Gold Bullion	2,990	357	1,449	329,741	36,118	25,434	2,452,154	
	Gold Coin... ..	105,948	27,293	23,537	447,115	668,521	59,961	1,353,705	
	Total	108,938	27,650	24,986	776,856	704,639	76,395	3,805,859	
Siam (Fiscal years ending March 31)	Gold Leaves							79,810	

Imports of Gold (British Empire)
(Value : £).

EUROPE :	United Kingdom ...	Gold in Ore, from British Possessions	393,787	251,986	275,385	177,145	136,173	47,348	25,337	
		Gold in Ore, from Foreign Countries	274,543	251,204	141,143	16,057	12,178	33,012	69,394	
		Total	668,330	503,190	416,528	193,202	148,351	80,360	94,731	
	Gold Leaves, from Foreign Countries	Total	98,339	56,702	33,732	56,920	11,120	4,507	16,112	
		Gold Bullion, unrefined	47,184,156	30,031,941	6,416,180	16,399,690				40,555,317
	Gold Bullion, refined ...	108,958	5,793,229	111,171	578,653				8,307,764	
	Gold Plate	5,898	4,155	84	435	24	—	—		
	Gold Coin of legal tender in the U.K.	11,946,744	15,597,219	2,453,331	518,081				369,624	
	Gold Coin not of legal tender in the U.K.	293,691	7,219,822	1,847,684	293,878				1,445,578	
	Total	59,539,447	58,646,366	10,828,450	17,790,737					
TOTAL	60,306,116	59,206,258	11,278,710	18,040,859						
AFRICA :	Egypt	Gold Bullion	8,853	6,455	—	1,015	18	—	3,204	
		Gold Jewellery, Plate, etc.	19,232	16,739	561	3,148	434	7,796	19,482	
		Gold Coin	10,003,707	1,807,648	5,910	22,284	19,108	25,010	—	
		Total	10,031,792	1,830,842	6,471	26,447	19,560	32,806	22,686	
	Gold Bullion, from Anglo-Egyptian Sudan, for re-export						3,666	7,883		
Total						36,472	30,569			

Imports of Gold (British Empire)—cont.
(Value : £).

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
<i>AFRICA—cont.</i>									
British West Africa : Gold Coast	Gold Bullion	—	—	—	114	—	1,419	1,392	
	Gold Coin	281,050	131,027	169,850	74,800	9,500	165,962	336,284	
	Total	281,050	131,027	169,850	74,914	9,500	167,381	337,676	
Nigeria	Gold Bullion	—	—	—	—	—	470	7,010	
	Gold Coin (British)	14,428	22,900	4,250	40,000	3,530	—	—	
	Gold Coin (Foreign)	—	—	—	—	11,195	—	—	
Total	14,428	22,900	4,250	40,000	14,725	470	7,010		
British South Africa (Union of South Africa and Rhodesia)	Gold Bullion, from British and Foreign Countries								
	Total	455	457	2,486	464	79			
	Gold Coin, from British Countries	81,170	409,383	1,400,237	38,552	1,020,500			
	Gold Coin, from Foreign Countries	774,760	573,721	605,789	639,940	458,042			
	Total	855,930	983,104	2,006,026	678,492	1,478,542			
TOTAL	856,385	983,561	2,008,512	678,956	1,478,621				
<i>AMERICA :</i>									
British Guiana	Gold Bullion, from For- eign Countries	2,039	24,098	15,410	21,069			2,457	
	Gold Coin, from Foreign Countries	—	506	410	—			3,915	
	Total	2,039	24,604	15,820	21,069			6,372	

Canada	...	...	Gold Bullion	175,091	3,028,017	214,251	3,885,160	339,938	39,819		
			Gold Coin	2,603,131	24,521,005	4,147,964	3,714,311	2,654,961	300,968		
			Gold Fringe	1,457	1,163	1,579	1,017	1,012	2,320		
			Total	2,779,679	27,550,185	4,363,794	7,600,488	2,995,911	343,107		
ASIA :											
British India	...	...	Gold Bullion	10,965,627	6,761,020	3,422,667	5,971,453		59,925	11,215,997	45,055,465
			Gold Coin (British)	11,174,968	4,000,884	658,039	496,688		3,665,977	3,295,370	6,686,182
			Gold Coin (Foreign)	193,808	108,656	122,456	138,403		75,138	24,828	3,072,393
			Total	22,334,403	10,870,560	4,203,162	6,606,544		3,801,040	14,531,195	54,814,040
AUSTRALASIA :											
Australia	...	...	Gold Bullion and Coin, from British Countries	1,355,112	432,393	547,376	196,548	949,939	7,361,845		
			Gold Bullion and Coin, from Foreign Countries	3,295	3,734	3,575	1,207	536,445	2,760		
			Total	1,358,407	436,127	550,951	197,755	1,486,384	7,364,605		
New Zealand	...	...	Gold Coin, from British Countries (chiefly)	544,000	674,099	809,308	1,023,800	—	—	—	
			Gold Leaf and Foil, from British Countries (chiefly)	381	1,453	1,365	2,154	1,282	1,931	2,091	
			Gold Jewellers' Sweep- ings, Scrap, etc., from British Countries	—	22	—	—	—	—	—	
			Total	544,381	675,574	810,673	1,025,954	1,282	1,931	2,091	

Imports of Gold (Foreign Countries)
(Value : £).

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE :									
Austria-Hungary ...	Gold Bullion	1,219,809							
	Gold Coin... ..	755,612							
	Total	1,975,421							
Belgium	Gold Bullion	*						217,791	83,767
	Gold Coin... ..	926,404						28,457	
	Total							246,248	
France	Gold Bullion	9,330,700	13,076,800	1,401,516	2,404,680	2,827,080	532,920	3,542,600	2,765,000
	Gold Leaves, Thread, etc.	320,124	137,302	14,444	18,680	14,560	16,640	71,000	111,720
	Gold Coin... ..	14,088,508	20,739,992	129,208	52,560	180,720	2,520	6,040	120,920
	Total	23,739,332	33,954,094	1,545,168	2,475,920	3,022,360	552,080	3,619,640	2,997,640
Italy	Gold Bullion	682,656	381,992	88,504	10,778	15,360	28,215	230,743	333,317
	Gold Leaves, Thread, etc.	135,517	90,580	44,031	27,767	64,972	21,336	57,988	108,168
	Gold Coin... ..	88,288	592,968	575,980	—	—	—	20,287	2,465
	Total	906,461	1,065,540	708,515	38,545	80,332	49,551	309,018	443,950
Netherlands	Gold Bullion, from the United Kingdom							23,313	
	Gold Bullion, from Germany							3,546,215	
	Gold Bullion, from other Countries							9,919	
	Total	205,276	650,375	11,343		1,500,701	1,419	3,579,447	
	Gold Coin, from Germany							34,833,333	
	Gold Coin, from other Countries							6,458	
Total	557,304	3,718,295	19,040,645		7,816,767	1,588,125	34,839,791		
TOTAL	762,580	4,368,670	19,051,988		9,317,468	1,589,544	38,419,238		

* Bullion value as reported for 1913 includes Platinum, so figures cannot be used.

Sweden	...	...	Gold Bullion	...	...	288,500	33,875	190,454	309,694	613,182	545,230	8,934
			Gold Coin...	284,661	381,170	2,575,329	719,787	3,493,393	1,417,198	877	
			Total	573,161	415,045	2,765,783	1,029,481	4,106,575	1,962,428	9,811	
Switzerland	...	...	Gold Bullion	...	...	2,117,658	1,679,545	36,070	27,792	36,069	163,170	731,020
			Gold Coin...	213,144	659,470	633,765	4,713,604	1,403,987	3,219,104		
			Total	2,330,802	2,339,015	669,835	4,741,396	1,440,056	3,382,274		
AFRICA :													
Belgian Congo	...	...	Gold Coin...	...	...		46,891		1,000			
AMERICA :													
United States	...	...	Gold in Foreign Ore and Base Bullion	...	...	2,517,959	2,307,642	2,844,118	2,792,084	3,230,954	3,385,819	3,488,423
			Gold in Domestic Bullion, refined	—	—	2,725,221					
			Gold in Foreign Bullion, refined	6,284,100	3,459,977	8,131,772	107,171,965	83,684,964	8,106,466	6,913,203	
			Gold in Coin (United States)	3,351,678	4,029,473	32,617,588	651,761	12,981,786	1,404,888	2,342,687	
			Gold in Coin (Foreign)	1,118,103	2,158,687	47,838,507	32,298,822	15,196,957	28,399	3,200,280	
			Total	13,271,840	11,955,779	94,157,206	142,914,632	115,094,661	12,925,572	15,944,593	
Chile	...	...	Gold Bullion	...	...	27	273,273	—	430	2,428,570		
			Gold Coin	...	...	297	3,244	77,679	1,861	489,584		
			Total	...	...	324	276,517	77,679	2,291	2,918,154		
Colombia	...	...	Gold Coin...	...	...						957,117	
ASIA :													
China	...	...	Gold Bullion, Haikwan Taels	...	...	84,143	11,106	47,485	8,447,997	711,036	408,955	32,910,493
			Gold Coin, Haikwan Taels	2,981,147	850,061	771,342	11,455,120	13,160,742	819,387	18,168,150	
			Total, Haikwan Taels	3,065,290	861,167	818,827	19,903,117	13,871,778	1,228,342	51,078,643	
Siam (Fiscal years ending March 31)			Average value of Hk. Tl. Gold Leaves	...	...	3/0 $\frac{1}{4}$	2/8 $\frac{1}{4}$	2/7 $\frac{1}{8}$	3/3 $\frac{1}{8}$	4/3 $\frac{1}{8}$	5/3 $\frac{1}{8}$	6/4 339,192

GRAPHITE.

World's Production of Graphite
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Union of South Africa*	35	30	37	54	77	71	77	65
Canada :								
Milled Graphite*...	1,930	1,471	2,353	3,531	3,316	2,780	1,214	1,988
Ceylon (exports) ...	28,997	14,229	21,818	33,410	26,164	15,217	6,672	
India	—	—	70	1,318	103	81	127	
Australia	—	7	70	71	88	205	100	
Austria	48,662	37,424	34,483	46,553	46,317	44,050	47,459	
France : Ore	1,175	295	—	—	1,623	2,098	369	
Germany (Bavaria)...	11,865	13,400	17,014	30,083	42,137	63,050	29,962	
Italy :								
Graphite	10,966	8,429	6,077	8,051	11,922	11,466	7,503	4,123
Ground Graphite...	9,308	8,378	6,348	8,091	11,008	7,134	4,235	
Norway	295	175	—	—	—	—	—	
Spain... ..	—	—	30	1,220	1,948	699	1,926	
Sweden	87	55	86	191	121	101	—	
Madagascar	6,212	7,625	11,661	25,425	34,000	14,387	2,000§	14,193†
Mexico	4,364	4,191	4,122	462	413	6,091	3,958	3,171
United States*	4,263	3,871	4,212	7,221	12,137	11,599	10,244	12,791
Brazil (exports)	2	—	2	1	15	44	2	
Indo-China (exports)	—	—	—	—	8,000	15,000	—	
Japan	654	565	654	1,126	1,305	1,849	—	
Korea	12,080	6,421	5,381	7,722	8,680	6,985	—	

* Sales.

† Exports.

§ Estimated.

Exports of Graphite from Chief Producing Countries
(long tons).

Canada :								
Crude Ore and Concentrates	1,466	821	235	278	100	593	896	1,912
Ceylon	28,997	14,229	21,818	33,410	26,164	15,217	6,672	
Austria	24,098	16,265	22,510	33,230	38,612	—	—	
France	739	812	3,089	5,419	4,917	2,155	1,216	4,375
Italy	8,195	8,452	6,403	5,525	7,864	7,193	2,150	3,708
Madagascar	6,212	7,625	11,661	25,185	26,510	14,774	3,991	14,193
Mexico	3,958	3,803	1,500	4,758	6,759	4,998	4,915	
United States :								
Unmanufactured Graphite	2,404	1,750	472	712	2,298	852	562	542
Indo-China	—	—	—	—	8,000	15,000	—	
Japan	—	—	—	4,820	2,499	1,979	1,927	

Imports of Graphite into Chief Consuming Countries
(long tons).

United Kingdom ...	20,674	14,829	18,396	26,535	20,016	23,014	8,714	
Union of South Africa	32	35	33	46	26	3,668	58	
France	3,735	4,552	4,958	13,470	17,344	12,620	4,970	7,808
Italy	558	159	1,482	1,054	1,199	995	881	1,591
Sweden	567	328	837	708	657	512	370	493
United States ...	25,785	19,634	20,603	38,330	38,015	17,409	23,773	18,835

GYPSUM.

World's Production of Gypsum
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	285,338	265,365	247,229	219,284	173,015	178,734	220,003	286,978
Cyprus (exports)	3,714		2,635	3,147	490			
Union of South Africa	108	1,599	2,838	3,562	1,859	2,356	*	
Canada ...	611,362	517,715	451,776	378,956	326,481	138,659	271,904	411,030
India ...	24,961	22,268	22,563	16,028	16,683	16,746	28,318	
Australia	8,826	17,353	20,590	22,224	13,963	32,744	26,036	
Bavaria ...		32,470	28,008	25,710	20,702	22,960	33,158	
Greece ...	2,194	629	1,622	350	43			
Italy ...	†	648,050	559,285	533,857	510,561	379,206	320,721	
Spain (exports)	6,938	7,175	8,640	7,403	4,264	2,461	2,470	
United States	2,320,989	2,211,129	2,185,367	2,462,259	2,407,345	1,836,621	2,160,860‡	2,794,915
Argentina (exports)	171	72	687	2,214		1,638		
Chile ...	6,038	4,920	4,624	1,968	2,115	3,247		
China (exports)	4,970	5,539	6,685	10,069	8,080	6,811	4,112	

* Value only stated.

† Not stated.

‡ Estimated.

Exports of Gypsum from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Cyprus ...	3,714		2,635	3,147	490			
Canada ...	372,591	308,777	260,923	197,461	200,378	60,557	132,495	218,239
Australia*	560	623	12,807	7,858	7,086	4,703	—	
Spain...	6,938	7,175	8,640	7,403	4,264	2,461	2,470	
China ...	4,970	5,539	6,685	10,069	8,080	6,811	4,112	

* Includes Gypsum, Plaster of Paris and other like preparations. 1913 is a Calendar year. Fiscal years ending June 30 from 1914 onwards.

Imports of Gypsum into Chief Consuming Countries
(long tons).

Canada :									
Crude ...	4,037	3,189	1,606	2,698	57	100	1,105	2,048	
Ground ...	—	479	120	252	252	70	76	105	
New Zealand :									
Gypsum (manure)	*	6,828	8,921	7,607	3,414	358	—		
Gypsum, Plaster of Paris and like preparations (not manures)	*	2,094	3,641	1,576	1,724	1,516	1,607		
Italy ...	4,155	2,479	1,054	579	594	283	6,122	1,095	
Norway :									
Ground ...	4,472	4,406	3,940	3,921	4,304				
United States :									
Crude ...	399,449	329,655	300,764	226,903	214,526	45,226	153,333	265,542	
Ground or calcined	4,055	3,178	5,133	10,452	14,762	5,462	9,299		
Japan ...			2,651	4,214	5,101	4,655	2,927		

* Not stated.

IRON ORE.

World's Production of Iron Ore

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	15,997,328	14,867,582	14,235,012	13,494,658	14,845,734	14,613,032	12,254,195	12,707,475
Rhodesia ...	—	—	8,591	5,212	4,723	5,674	2,232	—
Union of South Africa	—	—	—	—	—	4,356	3,216	2,289
Canada ...	274,673	218,620	355,457	245,693	192,234	188,936	176,045	114,130
Newfoundland (exports)	1,243,200	1,245,797	511,990	834,310	902,380	731,080	709,338	510,600
India ...	370,845	441,674	390,271	411,758	413,273	492,484	563,750	—
Australia*	173,073	226,028	417,744	324,144	449,860	416,302	437,260	605,626
Austria ...	2,990,478	2,244,588	2,505,977	—	1,729,889	1,143,839	246,465	—
Belgium ...	148,032	81,036	4,644	29,941	16,727	492	4,743	—
Bosnia and Herzegovina	216,593	175,956	108,636	154,263	399,905	—	—	—
France ...	21,565,746	11,070,921	610,286	1,653,673	2,002,020	1,644,982	9,278,239	13,648,257
Germany ...	28,148,100	20,175,800	17,424,962	20,990,802	22,103,739	—	—	—
Greece :								
Iron Ore ...	308,539	294,476	154,812	83,619	62,345	66,799	—	43,627
Manganiferous Iron Ore	6,221	1,294	1,024	805	501	961	—	6
Hungary ...	2,025,984	1,694,660	1,218,367	—	1,555,710	—	—	—
Italy†	593,423	694,896	669,042	931,391	982,583	683,513	603,240	416,497
Luxemburg	7,215,514	4,926,980	6,040,765	6,643,689	4,207,820	3,081,074	3,062,450	—
Norway ...	535,932	641,790	703,427	411,183	297,874	303,569	—	—
Portugal‡	61,168	9,008	14,365	2,225	7,264	—	8,572	—
Spain ...	9,703,177	6,710,357	5,527,552	5,762,733	5,461,857	4,617,332§	4,565,489	—
Sweden ...	7,355,428	6,480,773	6,772,683	6,874,018	6,117,253	6,517,209	4,901,056	—
Algeria ...	1,327,320	1,161,964	896,241	1,026,105	969,458	887,961	723,757	—
Tunis ...	584,649	520,665	292,359	492,884	596,219	414,768	354,660	—
Cuba ...	1,582,431	821,110	827,448	712,716	553,485	643,532	200,000||	300,000
United States||	61,980,437	41,439,761	55,526,490	75,167,672	75,288,851	69,658,278	60,466,000¶	67,773,000¶
Chile ...	13,873	62,485	144,736	55,263	4,920	2,699	—	—
China (exports)...	269,646	294,694	304,081	278,549	304,349	372,673	630,304	672,150
Korea ...	139,766	179,108	235,313	241,474	138,392	—	—	—
Philippine Islands	223	196	94	92	65	69	—	—

* Excluding iron ore used for fluxing.

† Including manganiferous iron ore as follows :—1916, 4,290 ; 1917, 4,729 ; 1918, 792 ; 1919, 67 tons

‡ Provisional figures only for the years 1916–1919 inclusive.

§ Including 98 tons manganiferous iron ore.

|| Excluding manganiferous iron ore.

¶ Estimated.

NOTE.—Figures for Russia, Morocco, and Finland, are not available.

Exports of Iron Ore from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada	112,611	120,938	71,223	143,982	146,432	116,295	12,929	17,749
Newfoundland	1,243,200	1,245,797	511,990	834,310	902,380	731,080	709,338	510,600
Austria-Hungary	104,366	57,118	29,361	14,208	7,755			
France	9,904,843	4,750,989	93,338	73,363	124,498	67,247	1,965,074	4,336,653
Greece:								
Iron Ore	420,249	272,842	84,067	51,907	69,212	32,486		52,820
Manganiferous Iron Ore	21,132	8,354	5,028	—	3,001	4,726		305
Norway*	559,622	460,277	419,047	398,197	194,655	95,142	32,713	222,144
Portugal	47,153	8,224	5,928	20,158	21,974	—	7,256	
Spain	8,675,600	5,997,165	4,436,744	4,964,485	5,055,053	4,275,423	4,627,313	4,560,186
Sweden	6,336,254	4,710,375	5,895,912	5,447,659	5,724,986	4,392,021	2,378,014	3,676,281
Algeria	1,342,500	1,226,959	885,536	923,598	1,048,388	747,015	770,224	1,096,527
Tunis	580,030	493,829	281,145	455,233	570,919	504,889	344,000	
Cuba	1,592,253	829,662	790,017	747,613	465,513	530,550		550,000
United States	1,042,151	551,618	707,641	1,183,952	1,132,313	1,256,383	996,569	1,145,037
Chile	13,900	62,485	144,700	54,136				
China	269,646	294,694	304,081	278,549	304,349	372,673	630,304	672,150

* Iron ore, concentrates and briquettes.

Imports of Iron Ore into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom:								
Iron Ore	7,230,605	5,539,255	6,058,187	6,851,775	6,054,594	6,458,122	5,072,863	6,420,242
Manganiferous Iron Ore	211,644	165,493	138,968	81,992	135,061	123,606	127,833	80,669
Canada	1,734,219	1,024,204	1,342,958	2,088,997	2,010,176	1,965,034	1,592,052	1,731,199
Austria-Hungary	927,168	588,443	623,800	564,560	595,886			
Belgium	6,970,961						713,280	2,380,134
France	1,387,756	690,213	266,801	617,518	499,746	116,706	298,970	397,365
Italy	7,897	4,518	7,485	727	308	1,920	10,950	831
Switzerland	22,520	18,925	28,827	26,853	19,559	21,999		
United States	2,594,770	1,350,588	1,341,281	1,325,736	971,663	787,468	476,461	1,268,536
China	95	10,587	4,808	29,506	27,590	15,359	36,577	19,785
Japan	275,909	294,610	304,389	275,805	292,651	355,345	611,473	

LEAD.*World's Production of Lead (Smelter production)*
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	30,100	38,500	26,700	21,200	12,000	12,100	13,100	9,800*
Rhodesia ...	291	134	501	1,243	3,663	9,778	12,656	14,602
Union of South Africa ...	162	56	74	165	120	98	291	241
Canada ...	16,814	16,222	20,677	18,526	14,543	22,946	19,566	15,172
India ...	5,858	10,548	13,522	13,790	16,962	19,074	19,090	23,800*
Australia ...	87,377	66,332	97,480	107,635	125,100	166,731	82,732	4,077
Austria ...	21,953	24,370	27,794				1,736	
Belgium ...	101,817	69,839	16,500	15,310	22,379	20,298	4,157	7,900*
France ...	28,354	29,125	14,305	23,886	20,894	12,573	10,928	11,800*
Germany ...	202,099	195,211	132,535	105,090	84,842	68,900*	50,700*	53,500*
Greece ...	18,015	20,352	11,409	9,275	1,399	4,027	3,379	336
Italy ...	21,326	20,135	21,461	23,970	15,976	18,037	16,264	16,264
Spain ...	195,634	141,217	168,716	145,038	170,130	166,982	99,912	140,000*
Sweden ...	1,215	1,374	1,886	2,043	3,123	2,205	814	775*
Mexico ...	67,245	5,611	19,650	19,650	63,094	97,249	70,229	119,482
United States ...	379,445	464,538	461,124	498,291	503,714	495,607	385,682	425,406*
Japan and Korea† ...	3,709	4,481	4,679	11,443	16,217	10,493	5,678	4,900*

* Estimated.

† Excluding Korea in 1917 and 1918.

Exports of Lead Ore from Chief Producing Countries
(long tons).

Australia :								
Lead content of Ore and Concentrates	152,773	90,882	21,970	16,260	6,469	3,164	2,491	7,292
France ...	14,034	8,088	47	800	398	121	360	2,467
Greece ...	6,573	6,165	5,623	2,290	673	—	—	—
Spain... ..	2,311	1,805	903	1,929	543	479	2,120	15,442
Algeria ...	—	—	14,804	23,350	24,909	17,603	8,184	12,598
Tunis ...	61,809	32,118	15,326	29,678	15,805	9,897	11,800	—
Bolivia ...	1,737	1,530	2,173	2,267	4,052	4,515	4,683	—
China ...	4,001	3,662	56	8,838	13,732	457	11	2,351

Imports of Lead Ore into Chief Consuming Countries
(long tons).

United Kingdom ...	18,453	28,436	14,062	11,443	8,657	1,502	4,435	—
France ...	39,132	21,430	15,861	40,096	35,449	25,912	11,776	33,265 .
Japan* ...	—	—	—	—	22,382	3,540	146	—

* Not stated prior to 1917.

Exports of Lead from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	32,186	21,655	24,936	12,960	2,326	59	16,009	23,477
Canada	—	228	923	50	448	3,331	5,057	8
India	4,284	5,940	9,915	10,505	11,053	9,439	10,711	21,478
Australia	102,680	106,773	115,575	130,269	147,592	89,834	89,661	51,867
France	629	529	410	6,355	433	78	423	3,865
Greece	17,945	19,310	10,955	9,982	2,018	2,565		
Spain... ..	200,171	150,316	156,512	171,133	152,390	141,464	106,991	105,093
United States :								
From domestic ores		52,430	78,846	89,732	47,937	37,349	9,384	2,442
From foreign ores		19,236	34,480	8,822	33,617	48,468	36,168	15,028

Imports of Lead into Chief Consuming Countries
(long tons).

United Kingdom ...	204,136	224,916	255,977	158,373	147,124	207,932	217,610	162,850
France	75,635	40,306	49,182	62,715	56,917	43,380	50,298	52,307
Italy	11,310	9,669	17,047	14,127	25,856	38,460	17,629	
United States* ...	51,024	25,302	45,978	31,545	69,885	88,042	63,309	
Japan	15,339	15,888	15,727	22,228	16,336	54,337	35,457	

* Includes lead content of ore, base bullion and refined lead.

MAGNESITE.

World's Production of Raw Magnesite
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Union of South Africa	396	511	560	544	697	744	914	1,267
Canada*	—	—	14,540	48,193	57,143	45,742	8,875	16,019
India	16,198	1,680	7,450	17,640	18,202	5,853	17,126	
Australia	7,104	2,023	1,701	4,055	9,434	4,135	†9,615	
Austria-Hungary† ...	197,717	130,960	35,954	37,908	47,841			
Greece	116,157	134,504	157,410	196,278	160,319	38,708		62,510
Italy	590	1,122	9,052	19,959	30,571	28,418	35,353	
Norway|| ... ..	645	923	1,882	1,639	470			
Spain	943	574	1,377	2,460	787	1,673	118	
United States ...	8,600	10,033	27,231	138,370	282,891	206,790	147,050	300,000§

* Including some calcined in 1915 and 1916.

† Sintered magnesite, exports only.

‡ Excluding Western Australia.

§ Estimated.

|| Exports, including some calcined.

NOTE.—In addition to the countries mentioned in this table, Cyprus, Serbia, Russia, Mexico and Venezuela, have produced magnesite. The Cyprus outputs in 1915 and 1916 were 14½ and 15 tons respectively. Russia's pre-war annual production of raw magnesite is estimated at 15,000 to 20,000 tons. Venezuela exported 6,258 and 1,673 tons of magnesite in 1916 and 1917 respectively.

Exports of Magnesite from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Austria-Hungary :								
Crude Magnesite...	443	141	1,553	851	4,602			
Sintered Magnesite	197,717	130,960	35,954	37,908	47,841			
Greece :								
Crude Magnesite...	23,115	53,753	100,509	159,778	93,408	40,321	29,405	
Calcined Magnesite	35,691	25,894	19,982	22,574	5,950	424	3,337	
Dead-burned Mag- nesite	1,822	2,574	3,715	7,657	10,884	3,560	5,214	
Magnesite Bricks...	17	155	161	100				
Norway :								
Magnesite (Crude and Calcined)	645	923	1,882	1,639	470			
Magnesite Bricks...	616	486	717	511	336			

NOTE.—Exports of magnesite from Canada are not stated separately prior to the year ending March 31, 1918, during which year they totalled £30,753. For the succeeding fiscal year they amounted to £165,888. The calendar year 1920 is the first for which tonnage particulars are available, the total exports being 194,050 tons; with the exception of 138 tons, all of this consisted of calcined or dead-burned magnesite.

Imports of Magnesite into Chief Consuming Countries
(long tons).

Union of South Africa :								
Sulphate of Mag- nesia	230	231	357	259	135	96	70	
Canada :								
Magnesia	129	113	81	174	52	42	163	
France :								
Calcined Magnesia	34	41	137	117	170	181	111	
Calcined Sulphate of Magnesia	4,259	2,755	1,197	861	701	943	1,097	
Carbonate of Mag- nesia	699	562	1,050	1,685	2,245	1,598	1,801	2,024
Magnesium Chloride	3,050	1,864	11	831	283	234	573	234
Sweden :								
Calcined Magnesia or Carbonate of Magnesia	34	36	36	170	150	122	113	139
Sulphate of Mag- nesia	724	856	445	1,727	432	717	160	655
Magnesium Chloride	785	744	857	3,220	682	756		
United States :								
Crude Magnesite ...	11,821	11,923	44,432	67,272	27,033	4,850	5,697	} 43,154
Calcined Magnesite	149,191	108,765	23,727	8,277	3,541	17,008	8,456	

MANGANESE.

World's Production of Manganese Ore

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	5,393	3,437	4,640	5,140	9,942	17,456	12,078	12,875
Gold Coast* ...	—	—	—	4,258	31,136	30,292	35,189	
Union of South Africa	—	—	—	—	110	486	138	60
Canada ...	—	25	179	854	141	393	590	
British India ...	815,047	682,898	450,416	645,204	590,813	517,953	537,995	
Australia ...	27	26	1,260	3,196	4,006	8,891	4,969	
Austria ...	16,274	13,586	11,738	—	—	177¶	—	
Belgium ...	—	—	492	3,808	1,988	2,569	—	
Bosnia-Herzegovina.	4,624	4,054	10,254	22,310	48,066	—	—	
France... ...	7,608	6,290	10,158	10,633	11,403	9,712	4,738	5,605
Germany† ...	748	—	—	939	598	1,017	544	
Greece ...	—	—	401	3,542	—	5,045	—	
Hungary ...	18,705	11,230	11,521	—	88,818	—	—	
Italy ...	1,596	1,622	12,375	17,855	24,138	31,383	30,345	28,672
Russia and Georgia	1,234,900	891,400	528,900	247,000‡	201,380‡	150,000‡	—	
Spain ...	21,247	12,944	14,098	13,950	56,550	76,465	65,614	
Sweden§ ...	3,937	3,584	7,485	8,751	19,554	16,304	12,081	
Tunis ...	—	—	1,437	1,994	5,707	1,378	1,292	
Costa Rica|| ...	—	—	—	1,244	7,163	9,680	9,988	
Cuba ...	—	—	9,000	33,120	44,496	81,966	17,711	
Mexico ...	—	—	—	—	72	2,832	2,237	1,119
Panama|| ...	—	—	—	10,498	5,202	5,607	2	
Porto Rico ...	—	—	—	737	1,189	1,350	—	
United States... ..	4,048	2,635	9,613	31,474	129,405	305,869	55,322	94,000
Argentina|| ...	—	—	—	—	6,600	849	2,305	
Brazil* ...	120,335	180,679	284,032	495,044	524,291	387,066	319,777	
Chile|| ...	—	—	—	—	202	2,998	441	
Ecuador|| ...	—	—	—	—	—	107	20	
Peru ...	—	—	—	—	—	20	—	
China|| ...	—	—	—	—	20	2,997	1	
Japan ...	17,755	16,803	25,470	48,547	50,579	56,109	—	
Philippine Islands	—	—	—	2,952	—	640	—	

* Shipments.

† Prussia only (complete statistics not available).

‡ Georgia only.

§ Not including "powdered pyrolusite," averaging about 100 tons annually.

|| Imports from these countries received by the United States.

¶ Manganese mines not working, but 177 tons extracted from ironstone mine.

Exports of Manganese Ore from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Gold Coast ...	—	—	—	4,258	31,136	30,292	35,189	
British India	772,336	537,960	418,733	580,328	514,424	350,826	370,459	711,424
Austria- Hungary	541	233	165	516	3,920			
France ...	1,678	404	39	271	107	33	1,279	862
Russia (Tchiaturi)	1,066,600	678,834						
Russia (total exports)	1,152,180	725,450						
Spain ...	27,346	8,822	8,989	8,709	21,280	22,365	17,853	46,492
Costa Rica*	—	—	—	1,244	7,163	9,680	9,988	2,413
Cuba*	—	—	5,141	30,563	44,511	82,974	35,320	8,247
Mexico*	—	—	—	390	345	5,251	6,295	2,925
Panama*	—	—	—	10,495	5,200	5,604	2	
Porto Rico*	—	—	—	737	1,189	1,350	—	
Argentina*	—	—	—	—	6,600	849	2,305	5,500
Brazil	120,335	182,065	284,032	495,044	524,291	387,066	202,419	421,523*
Chile*	—	—	—	—	202	2,997	441	
China...	—	—	—	—	20	2,997	1	3,383
Japan...	22	—	2,952	6,323	5,439	2,317	2,727	
Philippine Islands	—	—	—	2,952	—	640		

* Exports as received in the United States.

Imports of Manganese Ore into Chief Consuming Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	601,177	479,435	372,724	440,659	331,264	365,606	264,800	452,613
Canada ...	2,310	1,520	1,105	1,045	1,579	954	1,859	
Austria-Hungary ...	66,197	54,645	201	1,035	150	—	55,304	174,322
Belgium ...	381,931	230,940	—	—	—	—	—	—
France ...	254,768	151,020	12,389	57,716	76,113	58,036	103,286	150,117
Italy ...	—	13,719	15,715	29,444	21,192	5,364	8,357	28,177
United States ...	345,090	283,294	320,778	576,321	629,972	491,302	333,344	601,437
China...	13	498	4	9	10	275	17	54

NOTE.—In 1913 Germany imported 669,436 tons, and for the first half of 1914 385,580 tons. Later figures are not available.

*Production of Ferro-manganese, Spiegeleisen, etc., in Principal
Producing Countries*
(long tons).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Ferro-manganese...					162,684	164,103		
Spiegeleisen ...					33,208	34,217		
Silico-manganese...					98,711	49,640		
Silico-spiegel ...					3,587	3,015		
India :								
Ferro-manganese...	—	—	2,658	—	—	12,114	4,732	
France :								
Ferro-manganese...		15,303	3,811	14,148	12,886	10,992	19,096	
Spiegeleisen ...		7,575	7,511	21,298	36,872	16,459	12,492	
Italy :								
Ferro-manganese*		1,101	3,596	12,709	19,227	6,812	8,816	
Silico-manganese...		—	537	844	1,094	1,716	1,320	
Sweden :								
Ferro-manganese...	—	288	932	1,078	1,163	2,089	989	
Silico-manganese	1,353	1,283	2,291	3,145	4,297	2,028	1,535	
Ferro - manganese - silicon-aluminium	134	500	772	710	1,309	461	80	
United States :								
Ferro-manganese...	119,495	100,731	145,842	227,801	260,270	318,948	185,357	295,447
Spiegeleisen ...	106,980	76,625	114,446	184,822	199,024	273,952	84,246	119,449

* A large proportion of this was of very low grade.

*Exports of Ferro-manganese, Spiegeleisen, etc., from Chief
Producing Countries*
(long tons).

United Kingdom :								
Ferro - manganese, Spiegeleisen and Ferro-silicon :*								
Domestic Produce :								
To British Possessions	12,435	4,139	12,364	10,081	8,087	15,672	2,116	
To Foreign Countries	166,484	107,649	90,574	117,320	86,390	49,682	96,533	
Total ...	178,919	111,788	102,938	127,401	94,477	65,354	98,649	117,386
Canada :								
Ferro - silicon and compounds*	—	4,344	8,248	20,359	29,654	21,233	20,044	22,698
India : †								
Ferro-manganese :								
To British Possessions	—	—	—	—	—	2,150	—	—
To Foreign Countries	—	—	—	—	—	8,728	—	—
Total ...	—	—	—	2,608	2,101	10,878	506	3,873
Calendar years ...	—	—	—	—	—	8,009	3,371 ‡	3,877
France :								
Ferro-manganese...	3,775	3,255	2,463	1,553	1,268	323	761	2,827
Sweden :								
Ferro - silicon and Ferro-manganese*	9,421	9,886	10,628	15,986	17,695	11,410	6,820	7,526
United States :								
Ferro-manganese...	—	—	—	—	2,400	3,577	2,999	3,454

* Not stated separately.

† Fiscal years ending March 31.

‡ Not separately recorded prior to 1919. Figures for 1918 are for nine months, April to December.

Imports of Ferro-manganese, Spiegeleisen, etc., into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom :								
Ferro - manganese, Spiegeleisen and Ferro-silicon : *								
From British Possessions	—	—	25	288	—	6,356	810	
From Foreign Countries	31,934	22,708	18,463	24,134	13,640	18,636	2,879	
Total ..	31,934	22,708	18,488	24,422	13,640	24,992	3,689	16,116
Canada :								
Ferro-silicon, Spiegeleisen and Ferro-manganese*	27,103	19,774	12,284	13,194	11,454	31,504	14,483	7,172
Belgium†								
France :								
Ferro-manganese...	14,163	5,082	6,873	5,292	6,256	9,560	11,502	8,517
Sweden :								
Ferro-silicon and Ferro-manganese*	2,642	1,933	903	10	7	2·5	—	118
United States :								
Ferro-manganese...	128,070	82,997	55,263	90,928	41,969	27,168	33,022	59,254
Spiegeleisen ...	77	2,870	200	—	3,968	1,969	27	5,234

* Not stated separately.

† Normally from 10,000 to 15,000 tons of Ferro-manganese, and about the same quantity of Spiegeleisen, imported annually.

MICA.

World's Production of Mica
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Nyasaland (exports)	9	5	4	1	—	4		
Southern Rhodesia...	—	—	—	—	—	—	5	88*
South Africa ...	—	—	2	12	69	24	9	1
Canada ...	986	531	372	1,079	1,041	667	2,459	1,920
Ceylon (exports) ...	—	—	—	—	—	6	8	4
India ...	2,288	2,025	1,357	2,170	2,045	2,734	2,289	
Australia ...	—	4	—	—	38	—	—	
Norway (exports) ...	—	32	21	24	38	65	—	
Spain... ..	—	—	—	—	—	8	7	
United States ...	5,511	3,578	3,782	4,345	3,631	2,780		
Argentina (exports)	6	—	—	6	62	169		
Brazil	10	15	50	53	95	112†	152	

* Including 1 ton from Northern Rhodesia.

† Estimated.

Exports of Mica from Chief Producing Countries
(long tons and £).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada* ... Quantity	405	316	380	386	599	535	343	
India ... "	3,124	2,025	1,520	2,735	3,128	2,998	2,955	3,826
United States :								
Unmanufactured								
Quantity	133	209	24	28	5†			
Manufactured								
Value	10,002	5,781	7,066	15,443	14,878	15,527‡	109,348‡	65,869‡

* Fiscal years ending March 31.

† For six months only—January to June.

‡ For the years 1918, 1919 and 1920 manufactured and unmanufactured mica are not separately stated, the total value only being given.

Imports of Mica into Chief Consuming Countries
(long tons and £).

United Kingdom :								
Quantity ...	2,252	1,451	1,875	2,332	2,554	3,619	3,294	
United States :								
Sheet * Quantity	914	161	194	314	293	331	323	
Ground	130	181	154	162	42	5	—	
Cut and splittings†								
Value ...	39,985	95,168	93,325	134,600	211,288	183,522	158,797	

NOTE.—About 40 per cent. of the imports to the United Kingdom are subsequently re-exported.

* Essentially trimmed sheets.

† Includes the Madras square-shaped uncut sheets.

MOLYBDENUM.

World's Production of Molybdenum Ores
(long tons of concentrates).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada :								
Ore ...	—	15	35	545	1,388	412	41	
MoS ₂ content ...	—	2	13	70	147	169	37	
Australia ...	145	139	129	135	246	214	269	
Italy ...	—	—	—	—	4	1	15	
Norway ...	9	78	95	135	244			
Spain ...			59	144				
Sweden ...	—	7	36	3	135	76	—	
Mexico ...	—	—	—	—	—	27	2	4
United States :								
Metallic Molybdenum contained in ore	—	6	81	92	156	385		
Bolivia ...			6	5				
Chile ...	2	3	2	2	20			
Peru ...	—	—	3	6	7	5		
Japan ...	3		1	33	12	69		

NOTE.—In addition to the countries mentioned in the above table, India raised small quantities of molybdenum from 1916 onward. China and Hungary also are producing countries, but statistics are not available.

Exports of Molybdenum Ores from Chief Producing Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada*	—	—	—	—	—	52	169	
Australia†	134	100	104	128	176	167	200	
Norway	5	86	99	139	198			

* Fiscal years ending March 31. Not stated separately prior to 1918.

† 1913 is a calendar year. 1914 for six months ending June 30. Other figures for fiscal years ending June 30.

Particulars regarding the import of molybdenum ores and concentrates into the chief consuming countries are not stated separately in the Customs Returns. During 1920 the United Kingdom imported 166 tons.

In 1913 and 1914 the United Kingdom took from 60 to 70 per cent. of the Australian export, the bulk of the remainder going to Germany; during the war, with the exception of small shipments to France in 1915 and 1916 the whole of the export was consigned to the United Kingdom.

MONAZITE.

World's Production of Monazite

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
India... ..	1,235	1,186	1,108	1,292	1,940	2,117	2,034	
Ceylon	—	—	—	—	—	20	—	
Brazil (exports)	1,415	590	433	—	1,118	491	144	
United States	—	—	16	17	*	—	†	

* Not reported by the United States Geological Survey, but stated by The Mineral Industry for 1918 to have been 34.7 tons.

† Only one producer, tonnage not published.

Exports of Monazite from India.

The total exports of Monazite from Travancore for the period from 1911 to 1918 (foreign and coastwise) are stated to have been 7,706 tons, of an approximate value of £220,000.

The exports from the British Indian port of Tuticorin, amounting to 604 tons, valued at £27,000, and 882 tons, valued at £40,000, in 1917-18 and 1918-19, respectively, were probably for the most part of Travancore monazite.

Very little information is given regarding trade in monazite and thoria. Statistics of imports are only available for the United Kingdom and the United States.

Imports of Monazite into the United Kingdom and the United States.

Year.	United Kingdom.	United States.	
	Monazite Sand. Value (£).	Monazite Sand. Quantity (long tons).	Thorium Nitrate. Quantity (long tons).
1913	*	365	53
1914	22,545	344	46
1915	12,802	837	30
1916	8,224	1,088	·4
1917	14,773	2,602	·5
1918	8,068	1,337	—
1919	9,365	282	·1·5
1920			

* Not stated.

NICKEL ORE.*World's Production of Nickel Ore (in terms of metal)*
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada	22,177	20,321	30,495	37,035	37,647	41,298	19,886	27,293
Germany (Prussia)...	267	248	330	1,634	2,039	1,841	574	
Greece	943	737	1,114	556	86	658		
Norway	492	477	758	786	688			
Sweden	—	2	16	35	49	24	4	
New Caledonia (ex-ports)	8,098	7,780	5,316	3,996	4,687	2,666	1,780	7,400

NOTE.—In addition to the countries mentioned above, Egypt produced 229 tons of ore in 1914. No further production has been recorded.

The United States has produced nickel as a by-product of electrolytic refining of copper, but these figures are not included in the above table.

Exports of Nickel from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Canada :								
Refined Nickel and Nickel content of Ore, Matte, etc.	22,080	20,772	29,648	35,911	36,282	39,053	18,311	26,875
Greece :								
Ore	16,152	10,840	6,750	13,196	10,083	5,014		
Norway :								
Metal	584	685	749	711	435	58		
New Caledonia :								
Ore	91,692	90,673	47,795	30,185	31,502	15,360	1,536	90,063
Matte	5,768	5,201	5,439	4,855	6,215	3,874	3,751	4,437

Imports of Nickel into Chief Consuming Countries

(long tons).

France :									
Ore	10,128	28,121	18,699	8,772	5,069	3,236	10,184	698	
Matte	1,133	756	203	827	—	98	404	2,329	
Refined Nickel ...	2,348	2,123	3,585	1,748	1,850	813	1,155	119	
Sweden :									
Metal	135	129	496	123	40	58	57		
United States :									
Ore and Matte ...	—	—	40,891	59,741	61,053	59,621	23,057	32,650	
Nickel content of Ore and Matte	—	15,620	25,157	32,416	33,710	32,676	13,082	18,565	
Japan :									
Metal	981	994	974	1,135	534	511	1,677		

NITRATES.*World's Production of Nitrates*

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Egypt* ...	4,664	3,316	4,202	3,887	4,277			
India† ...	14,462	15,489	18,098	25,056	21,284	24,741	17,550	
Chile* ...	2,728,977	2,424,820	1,735,295	2,867,701	2,965,085	2,795,536	1,645,497	2,469,919‡

* Sodium Nitrate

† Potassium Nitrate.

‡ Provisional figure.

Exports of Nitrates from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
India :								
Potassium Nitrate...	15,235	14,258	20,930	24,249	25,819	23,429	17,221	22,133
Norway :								
Norway Saltpetre ...	—	—	37,988	45,262	35,355	52,763	62,854	
Chile : Sodium Nitrate	2,695,502	1,817,843	1,998,333	2,937,322	2,724,559	2,885,714	918,680	2,746,846

Imports of Nitrates into Chief Consuming Countries

(long tons).

United Kingdom :								
Sodium Nitrate ...	140,926	171,910	131,520	20,896	1,190	300	24,485	147,477
Potassium Nitrate...	11,894	10,472	13,829	21,963	19,871	19,184	6,985	9,249
Canada* :								
Sodium Nitrate ...	39,087	35,831	11,857	26,933	37,590	27,904	37,515	
Potassium Nitrate...	821	763	1,018	836	272	418	395	
Australia† :								
Sodium Nitrate ...	3,340	3,375	5,610	8,274	2,690	1,924		
Potassium Nitrate...	528	375	376	171	296	477		
France :								
Sodium Nitrate ...	316,938	292,414	249,926	532,011	446,374	252,449	163,498	257,163
Potassium Nitrate...	70	286	28	2,948	2,599	2,148	2,744	
Italy :								
Sodium Nitrate ...	66,449	58,948	70,578	84,273	102,476	95,906	12,668	48,414
Potassium Nitrate...	450	245	1	101	113	379	64	525
Netherlands :								
Chile Saltpetre ...	—	147,399	50,040	68,506	54,904	1,110	148,869	
Spain : Sodium Nitrate	34,669	35,502	37,759	44,012	51,483	18,449	61,560	
Sweden :								
Potassium Nitrate...	33,347	40,987	30,411	35,775	16,892	6,470	22,529	
United States‡ :								
Sodium Nitrate ...	589,136	564,049	577,122	1,071,728	1,261,659	1,607,020	1,346,679	907,041
Potassium Nitrate...	5,006	1,583	303	2,470	4,541	3,938	15,427	11,992
Japan :								
Sodium Nitrate ...	—	—	—	—	54,102	48,032	64,533	

* Fiscal years ending March 31.

† 1913 is a calendar year. Other figures for fiscal years ending June 30.

‡ Fiscal years ending June 30.

PETROLEUM.

World's Production of Petroleum

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	289,684	285,464	263,083	247,472	249,598	242,501	213,886	234,000
Egypt	12,618	103,605	34,961	54,800	134,700	272,494	232,148	156,578
Canada	32,583	30,686	30,781	28,303	30,547	43,534	34,352	28,134
Trinidad	70,506	90,092	147,015	129,903	224,324	291,489	257,746	297,588
India	1,110,211	1,037,371	1,148,374	1,188,759	1,131,038	1,146,340	1,222,607	1,000,000
Australia	5,435	16,016	4,952	5,576	10,121	10,366	10,000	8,000
New Zealand	444	412	556	560	600	600	500	400
Sarawak	19,953	45,039	55,460	90,570	76,738	71,366	85,143	148,633
France							47,225*	55,000†
Galicia	1,095,506	645,077	666,063	912,535	887,415	667,733	818,333	752,528
Germany	142,252	142,252	142,252	142,252	142,252	186,000	32,775	30,000
Italy... ..	6,466	5,453	6,007	6,922	5,577	4,828	4,773	5,400
Roumania	1,854,927	1,755,276	1,646,255	1,224,099	56,567	1,194,705	905,064	1,017,382
Russia	8,976,337	9,574,360	9,792,580	10,400,159	8,362,903	3,143,960	3,642,571	3,483,143
Mexico	3,670,899	3,747,915	4,701,501	5,792,245	7,898,967	9,118,332	12,439,000	22,800,000
United States	35,492,319	37,966,076	40,157,729	42,966,737	47,902,229	50,846,817	53,959,857	63,343,143
Argentina	18,970	40,073	74,650	118,755	166,193	180,790	172,169	207,301
Peru	271,709	248,605	357,325	357,670	341,514	329,618	343,000	360,000
Venezuela					17,962	49,895	63,589	67,429
Japan and Formosa	273,522	371,628	412,808	417,645	403,371	342,814‡	285,000	280,000
Dutch East Indies... ..	1,509,566	1,543,998	1,617,032	1,702,374	1,660,272	1,679,246	2,125,017	2,250,000
Persia	243,621	381,890	474,553	587,502	937,902	1,131,489	1,194,000	1,712,267

* Alsace-Lorraine only.

† Including Alsace-Lorraine.

‡ Japan only.

PHOSPHATES.*World's Production of Phosphates*

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Egypt... ..	102,771	70,789	81,664	122,999	113,872	30,646	28,893	
Canada	344	852	194	181	133	125	21	
Christmas Island	149,956	93,703	23,731	44,209†	89,889†	53,370†		
Australia	5,950	6,783	5,714	7,455	8,626	11,918	9,017	
New Zealand ...	11,000	10,743	—	7,600	5,050	5,000	4,000	
Ocean Island ...	215,000	158,000	126,000	105,000	101,000	70,000	53,000	
Nauru Island ...	133,000	72,000	92,000	97,000	98,000	83,000	60,000	
Belgium	402,000	292,000	83,000	254,000	197,000	229,000	179,000	
France	330,000	270,000	—	25,500	—	—	—	
Norway	745	738	1,870	2,200	1,803	—	—	
Russia	24,600	14,700	—	56,452	—	—	—	
Spain	3,491	8,178	8,934	13,884	27,696	42,607	24,633	
Algeria †	431,552	349,432	222,261	382,956	231,051	199,284	238,294	329,325
Tunis	2,038,476	1,373,171	1,151,196	1,024,466	665,726	848,632	820,000*	
Dutch West Indies†	39,000	96,000	30,805	14,235	3,524	—	18,746¶	63,915
United States	3,152,208	2,649,174	1,935,341	2,169,149	2,851,886	2,284,245	1,851,549	3,265,000‡
French Guiana	5,000	—	—	—	—	—	—	
Formosa	5,531	1,317	495	1,476	—	—	—	
Japan	18,737	37,644	56,788	112,965	119,673	189,181	—	
Angaur Island	88,500	59,000†	29,500	29,500	—	—	—	
Makatea Island	80,737	71,753	70,571	38,654	31,741	39,000*	39,000*	
New Caledonia	—	2,361	2,755	2,424	5,909	—	—	

* Estimated.

† Exports.

‡ Preliminary figures.

¶ Curaçao only.

Exports of Phosphates from Chief Producing Countries

(long tons).

Egypt... ..	63,151	85,181	32,386	20,196	25,499	9,196	77,263	
Christmas Island	—	—	—	—	—	—	—	
Nauru Island... ..	133,000	54,000	85,000	104,000	97,000	80,000	68,000	
Ocean Island ...	205,000	153,000	130,000	93,000	93,000	73,000	64,000	
Algeria	431,552	349,432	222,261	382,956	231,051	199,284	238,294	329,325
Tunis	1,952,980	1,404,225	1,096,164	1,018,108	602,595	923,006	1,129,000	
Dutch West Indies	39,000	96,000	30,805	14,235	3,524	—	18,746*	63,925
United States	1,366,508	964,114	253,421	243,678	166,358	143,891	378,731	1,070,012

* Curaçao only.

NOTE.—No export figures are available for Christmas Island, but it may be assumed that with the exception of accumulated stocks the entire output is exported.

Imports of Phosphates into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom...	539,016	562,242	374,639	333,421	276,617	464,872	355,758	523,350
Union of South Africa	680	337	—	—	—	4,514	5,852	
Australia* ...	160,032		173,227	190,689	177,828	182,152	140,591	
New Zealand† ...	8,792	21,733	40,035	39,818	47,938	29,985	40,616	
France ...	925,671	650,799	320,527	281,311	132,613	229,648	814,025	
Italy ...	521,262	505,737	449,558	427,727	226,460	227,956	442,096	393,572
Norway ...	—	—	—	—	4,526	22,622	14,687	
Spain ...	250,373	198,804	208,676	283,694	128,326	113,196	115,986	
Sweden ...	121,269	89,404	38,478	84,547	1,725	36,117	68,207	
Japan ...			133,666	98,159	153,041	88,186	188,573	

* 1913 is a calendar year. 1914 figures not available. Other figures for fiscal years ending June 30.

† Including guano.

Exports of Superphosphates from Chief Producing Countries
(long tons).

United Kingdom...	63,480	66,051	68,679	14,368	3,204	2,547	4,026	11,725
Australia* ...	11,668	1,820	15,553	40,968	24,178	34,989	17,275	
France ...	142,894	115,347	58,862	12,164	3,789	2,837		
Sweden ...	35,458	41,170	17,529	163	299	—	10,980	41,695
Algeria ...	7,877	3,275	21,766	6,776	545	13,187	14,342	
Tunis ...	1,323,495	3,213	10,423	17,304	7,343	22		
United States†						6,991	86,790	80,993
Japan ...	18,435	19,099	36,957	70,360	19,589	6,670		

* 1913 is a calendar year. 1914, six months ending June 30. Other figures for fiscal years ending June 30.

† Not stated prior to 1917.

Imports of Superphosphates into Chief Consuming Countries
(long tons).

Union of South Africa	36,619	32,889	30,278	17,875	6,213	6,063	740	
Australia* ...	26,710		25,119	2,890	10	—	—	
New Zealand ...		56,141	54,250	34,330	28,747	33,499	17,604	
France ...	99,202	57,220	13,812	4,056	1,853	6,071	12,748	79,105
Netherlands ...		203,386	49,739		30,394	49	2,845	
Norway ...	4,322	9,021	2,715	10,964	36,881	—	11,252	
Spain† ...	147,820	115,018	63,212	22,686	11,911	11	5,605	
Algeria ...	17,872	7,139	1,143	1,497	314	9	1	

* 1913 is a calendar year. 1914 figures not available. Other figures for fiscal years ending June 30.

† Including Thomas Phosphate.

PYRITES.*World's Production of Pyrites*

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	11,427	11,654	10,535	10,481	8,515	22,195	7,336	6,659
Union of South Africa	—	—	487	4,712	3,846	4,375	5,007	3,097
Canada	141,577	203,852	255,391	276,117	372,008	367,514	157,578	156,021
Newfoundland (exports)	—	1,335	4,139	—	—	—	—	—
Australia	10,216	9,759	19,394	18,414	11,261	7,358	7,593	—
Belgium	264	107	127	209	80	6	59	—
Bosnia-Herzegovina	7,577	4,387	—	9,108	2,759	—	—	—
France	306,166	196,123	193,446	215,845	276,284	256,126	116,795	130,314
Germany (Prussia)*	224,737	197,656	420,015	616,710	754,054	804,738	342,983	—
Greece	126,796	126,982	11,918	19,557	—	12,246	—	2,558
Hungary	104,915	100,725	107,036	—	107,264	—	—	—
Italy|| ... ..	312,234	330,139	363,384	403,696	492,734	474,313	366,586	317,267
Norway	434,199	408,218	505,085	290,607	323,411	320,000	—	—
Portugal	384,798	72,224	177,857	—	—	—	—	—
Spain†	912,016	969,056	789,488	938,352	961,218	1,559,031	1,020,202	—
Sweden	83,767	32,778	75,097	96,275	140,078	138,912	107,022	—
Algeria§	—	108	118	443	1,162	5,491	—	—
United States ...	341,338	336,662	394,124	439,132	482,662	464,494	380,000‡	—
Peru	—	—	—	49	149	—	—	—
Japan	112,803	113,984	66,492	89,609	119,489	104,120	—	—

* Bavaria also produces Pyrites. In 1914, the output of Pyrites and other Sulphur Minerals amounted to nearly 5,000 tons. The production dropped in 1915 and 1916 to a few hundred tons, but amounted to 4,348 tons, 9,591 tons and 7,277 tons in 1917, 1918 and 1919 respectively.

† Including 978,505 tons and 595,943 tons of cupreous iron pyrites in 1918 and 1919.

‡ Estimated.

§ Native sulphur and pyrites.

|| Iron pyrites and cupriferous iron-ore.

¶ Provisional figure.

NOTE.—Austria, Finland, Russia and Armenia also produce iron pyrites, but no statistics are available.

Export of Pyrites from Chief Producing Countries

(long tons).

Canada	41,130	80,356	122,855	139,930	249,684	214,689	79,544	106,371*
France	92,327	56,848	18,646	16,410	6,881	11,344	9,509	6,571
Italy	28,836	72,693	53,526	143,444	167,565	191,205	69,546	61,335
Norway :								
Pyrites (partly cupreous)	419,032	354,439	459,258	249,290	209,487	202,459	61,354	311,413*
Calcined Pyrites (Purple Ore)	34,472	42,335	45,695	46,759	40,702	236,904	116,682	
Spain	2,856,890	2,512,755	2,226,850	2,700,655	1,933,358	1,053,994	599,353	—
Sweden	492	3,389	39,355	13,778	29,321	37,976	—	6,547

* Provisional figure, subject to revision.

Imports of Pyrites into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	781,711	803,149	903,467	949,996	854,241	836,703	344,457	630,564
Union of South Africa	20,450	3,491	12,518	22,967	16,487	6,810	6,164	17,831
Australia* ...	12,835	24,068	2,870	1,500	—	—	—	—
France ...	572,406	594,938	417,979	779,613	483,719	316,118	93,830	237,308
Italy ...	39,861	26,816	23,776	2	—	21	—	812
Sweden ...	138,739	147,960	156,654	125,948	102,224	107,824	70,559	112,758
United States ...	850,592	1,026,617	964,634	1,244,662	967,340	498,786	388,973	332,606

* 1913 is a calendar year. Other figures for fiscal years ending June 30.

QUICKSILVER.

World's Production of Quicksilver
(pounds).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Australia ...	—	—	1,288	672	—	—	—	—
New Zealand ...	—	—	—	—	1,500	11,296	11,175	—
Austria ...	1,807,280	1,787,224	1,232,036	1,875,000*	1,875,000*	—	—	—
Hungary ...	195,450	187,500*	187,500*	187,500*	209,380*	—	—	—
Italy ...	2,212,816	2,364,892	2,170,940	2,408,972	2,360,484	2,287,752	1,862,380	2,920,300
Spain ...	2,745,611	2,099,385	2,693,634	1,752,043	1,823,025	1,250,439	2,703,356	—
Algeria (content of ore)	—	—	13,440	64,960	40,320	22,400	—	—
Mexico ...	365,265	357,952	207,145	115,723	73,025	360,568	262,144	166,949
United States	1,515,975	1,241,100	1,577,475	2,244,900	2,711,925	2,466,225	1,601,100	980,250†
Peru ...	1,014	1,543	2,028	4,631	3,306	3,306	3,306	—
China (exports)	4,667	131,467	464,533	391,867	576,000	646,800	177,200	93,318
Formosa ...	—	547	554	2,108	—	—	—	—
Japan ...	210	81	83	421	4,941	5,778	—	—

* Estimated.

† Preliminary figures.

NOTE.—Quicksilver is also produced in Asia Minor, but no statistics are available.

Exports of Quicksilver from Chief Producing Countries
(pounds).

Italy ...	2,189,233	1,675,701	1,880,453	1,689,366	2,458,562	2,687,337	1,085,250	2,268,136
Spain ...	3,283,960	2,018,864	2,470,684	2,812,304	1,432,600	1,545,004	2,966,584	—
United States ...	85,500	108,450	252,900	666,000	808,350	232,350	683,025	116,493
China ...	4,667	131,467	464,533	391,867	576,000	646,800	177,200	93,318

Imports of Quicksilver into Chief Consuming Countries
(pounds).

United Kingdom	3,401,165	2,832,626	3,043,434	2,556,214	2,173,434	1,077,460	2,841,893	2,682,016
Union of South Africa	265,413	300,752	285,427	184,135	142,290	245,496	106,368	187,988
Canada ...	219,442	204,229	184,432	79,204	71,608	56,936	26,465	—
India ...	291,680	141,599	77,029	219,893	158,317	95,912	480,853	202,855
France ...	435,731	368,950	726,659	1,252,092	1,079,960	1,877,367	413,691	462,179
United States ...	171,675	614,850	421,875	424,425	390,525	503,925	797,625	—
Japan ...	—	—	271,040	562,240	383,040	555,520	983,360	—

NOTE.—A considerable quantity of the United Kingdom imports is re-exported.

SILVER.

Production of Silver (British Empire)
(Quantity : fine oz.).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
BRITISH EMPIRE.								
United Kingdom* :								
From domestic ores (chiefly lead) ...	127,693	135,461	89,214	79,999	69,812	73,672	63,283	
From foreign cupreous pyrites ...	339,950	326,359	309,906					
Total ...	467,643	461,820	399,120					
Egypt ...		1,223	1,657	1,200	900	800		
Bechuanaland†					559	112		
Rhodesia ...	142,390	150,793	185,233	200,676	211,989	175,722	172,000	164,583
Union of South Africa :								
Transvaal ...	952,928	890,562	965,915	968,895	938,111	877,488	891,264	
Cape Province ...	—	—	8	—	—	—	—	
Natal ...	76	219	254	10	35	35	40	
Total ...	953,004	890,781	966,177	968,905	938,146	877,523	891,304	892,205
Canada‡ :								
Quebec ...	34,573	57,737	63,450	98,610	136,194	178,675	140,926	60,874
Ontario ...	28,411,261	25,139,214	22,748,609	21,608,158	19,301,835	17,198,737	12,117,878	9,542,466
Manitoba ...	—	—	—	—	7,201	13,316	20,760	15,330
Alberta and New Brunswick ...	—	—	—	—	445	—	—	—
British Columbia ...	3,312,343	3,159,897	3,565,852	3,392,872	2,655,994	3,921,336	3,713,537	3,158,707
Yukon ...	87,626	92,973	248,049	360,101	119,605	71,915	27,556	16,164
Total ...	31,845,803	28,449,821	26,625,960	25,459,741	22,221,274	21,383,979	16,020,657	12,793,541

* Converted from standard oz.

† Fiscal years ended March 31.

‡ Includes :—

- (1) Refined silver, or silver contained in silver or gold bullion
- (2) Silver contained in blister copper and copper matte ; and
- (3) Silver estimated as recoverable from ores exported.

• *Production of Silver (British Empire)—cont.*

(Quantity : fine oz.).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
BRITISH EMPIRE—cont.								
India : Burma (chiefly) and Madras ...	125,209	236,446	285,387	760,374	1,581,838	1,971,783	2,165,607	
Australia :								
In Broken Hill Lead Concentrates ...	8,242,528	6,535,189	5,466,157	5,475,900	6,705,078	8,631,443	2,987,331	—
In Broken Hill Zinc Concentrates ...	4,607,802	3,814,834	2,777,605	2,278,887	3,454,510	3,964,394	1,330,143	—
In other Ores and Concentrates treated by Australian Smelters.	1,440,299	1,339,912	2,413,602	2,177,565	1,927,608	2,147,159	1,369,462	510,134
In other Ores and Concentrates exported	549,124	496,750	118,943	12,889	—	—	—	—
In Gold Bullion treated at Australian Mints.	251,649	240,592	254,006	229,933	206,084	200,000*	160,000*	160,000*
TOTAL	15,091,402	12,427,277	11,030,313	10,175,174	12,293,280	14,942,996	5,846,936	670,134
New Zealand	975,616	599,162	957,541	787,053	787,152	879,383	453,567	
Total, British Empire	49,601,067	43,217,323	40,451,388	38,433,122	38,104,950	40,305,970	25,613,354	

* Estimated.

Production of Silver (Foreign Countries)

(Quantity: fine oz.).

FOREIGN COUNTRIES.*													
Austria-Hungary	...	...	...	2,104,107	1,572,746	1,772,699	1,500,000	1,500,000	1,750,000				
Belgium	...	...	...	8,164,171	4,552,118	1,081,847	1,320,079	337,253	157,535	212,415			
France...	...	...	...	1,005,266	848,856	411,552	482,025	384,836	272,278				
Germany	...	...	...	24,620,470	20,932,865	11,233,210							
Greece...	...	...	...	803,750	591,464	590,000	350,000	350,000	350,000				
Italy†	...	...	...	420,972	490,416	493,888	486,462	343,330	325,197	264,916	264,900		
Norway	...	...	...	302,210	414,864	382,585	287,100	292,565	270,200				
Russia...	...	...	...	300,000	300,000	638,403	550,000	500,000	400,000				
Serbia...	...	...	...	28,758	12,014		10,000	20,000	20,000				
Spain...	...	...	...	4,031,407	4,324,657	4,565,396	4,517,750	3,676,095	3,182,464	2,666,240			
Sweden	...	...	...	33,343	34,537	24,331	37,927	57,349	31,501	19,946			
Turkey	...	...	...	1,509,133	1,500,000	1,500,000	500,000	400,000	400,000				
Belgian Congo	...	...	...	1,454	4,770	4,770	11,000	10,300	10,500				
Central America	...	...	...	2,135,641	2,754,868	2,920,496	2,602,500	2,369,500	2,900,000				
Mexico	...	...	...	55,486,416	26,062,288	22,910,067	29,770,663	42,019,659	62,517,036	65,904,226	66,516,357		
United States	...	...	...	66,801,500	72,455,100	74,961,075	74,414,802	71,740,362	67,810,139	55,285,196	56,564,504		

* In many cases the figures for Foreign Countries are speculative estimates.

† Crude oz.

Production of Silver (Foreign Countries)—cont.

(Quantity: fine oz.).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920
Argentina	35,271			21,300	29,000	25,000		
Bolivia	2,992,084	2,300,000	2,475,884	2,495,300	2,435,200	} 4,335,000		
Chile	940,510	882,412	811,452	1,525,291	1,716,400			
Brazil	28,364	76,685	21,523	22,000	25,000	25,000		
Colombia	587,683	351,271	350,000	309,400	325,000	325,000		
Ecuador	22,642	16,726	24,655	30,000	45,000	40,000		
Guiana (Dutch and French) and Uruguay	51,111			8,500	8,000	8,000		
Peru	9,971,067	9,214,190	9,465,764	10,787,257	10,864,385	9,781,734	9,821,729	5,959,085
Venezuela					3,300	3,000		
China		107,155	18,230	30,000	63,900	70,000		40,000‡
Japan	4,701,951	4,852,001	5,119,287	5,807,618	7,110,950	6,598,808		
" (Formosa)	51,894	51,403	47,642	38,290	39,581			
" (Korea)	23,604	18,365	21,954	25,216	26,465			
Total, Japanese Empire	4,777,449	4,921,769	5,188,883	5,871,124	7,176,996			
Dutch East Indies	553,366	1,046,643	1,339,144	1,206,139	1,093,550	920,326		
Total, Foreign Countries	187,708,145	155,768,414	143,185,854	139,146,619	146,786,980	162,528,718		

‡ Estimate of Chinese Mining Bureau, cabled from Peking.

World's Production of Silver

(Quantity : fine oz.).

	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
British Empire Total	49,601,067	43,217,323	40,451,388	38,433,122	38,104,950	40,305,970	25,613,354	
Foreign Countries Total	187,708,145	155,768,414	143,185,854	139,146,619	146,786,980	162,528,718		
World's Total	237,309,212	198,985,737	183,637,242	177,579,741	184,891,930	202,834,688		

Exports of Silver (British Empire)

(Quantity : fine oz.)

(Converted from values at the rate of 2s. 0·6d. per fine oz.)

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE :									
United Kingdom ...	Silver in Ores ...	153,512	118,790	439	—	—	—	297,385	—
	Silver Bullion, unrefined } Silver Bullion, refined }	143,012,010	209,756 96,890,771	— 63,473,561	— 88,025,737	—	—	—	93,043,688
	Silver Plate ...	1,559,961	961,581	616,625	1,171,405	1,253,922	965,239	1,914,771	—
	Silver Coin, of legal tender in the U.K.	6,749,854	1,512,634	3,416,390	7,222,097	—	—	—	5,594,146
	Silver Coin, not of legal tender in the U.K.	6,869,151	7,621,717	4,920,546	9,545,746	—	—	—	13,491,590
	Total ...	158,344,488	107,315,249	72,427,561	105,964,985	—	—	—	—
AFRICA :									
Egypt ...	Silver Bullion, to British Countries	24,478	130,927	246,146	604,810	250,400	1,200	288,146	—
	Silver Jewellery, Plate, etc., to British Countries (chiefly)	332	1,268	293	771	1,219	3,766	985	—
	Silver Coin, to British Countries (chiefly)	—	—	—	—	200,205	—	31,776	—
	Total ...	24,810	132,195	246,439	605,581	451,824	4,966	320,907	—
British West Africa :									
Gold Coast ...	Silver Coin (British) ...	3,747,756	3,851,834	1,208,605	2,318,751	8,140,654	—	—	—
	Silver Coin (Foreign) ...	175,356	162,800	41,063	—	—	—	—	—
	Total ...	3,923,112	4,014,634	1,249,668	2,318,751	8,140,654	—	—	—
Nigeria ...	Silver Coin (British) ...	—	1,734,049	6,916,536	331,376	1,087,688	494,146	—	—
	Silver Coin (Foreign) ...	—	76,536	54,849	127,551	68,663	—	—	—
	Total ...	—	1,810,585	6,971,385	458,927	1,156,351	494,146	—	—

British South Africa (Union of South Africa and Rhode- sia)	Silver in Ores, to British Countries	32,371	20,800	—	—	829		1,756	
	Silver Coin, to British Countries	49,736	121,961	72,322	41,941	206,088			
	Silver Coin, to Foreign Countries	976	46,732	—	488	102,644			
	Total	50,712	168,693	72,322	42,429	308,732			
	TOTAL	83,083	189,493	72,322	42,429	309,561			
AMERICA : British Guiana	Silver Bullion, not pro duce of Colony	478	117,073	—	—			541,337	
	Silver Coin	482,927	—	—	—	—	—	—	
	Total	483,405	117,073	—	—			541,337	
Canada	Silver in Ores, Concen- trate, etc.	43,579,717	31,676,449	28,073,249	31,784,322	35,815,854	7,593,151	7,593,249	4,080,390
	Silver in Bullion...						29,770,468	29,770,468	20,696,458
	Total	43,579,717	31,676,449	28,073,249	31,784,322	35,815,854	37,363,619	37,363,717	24,776,848
ASIA : India	Silver Bullion and Coin...	15,079,990	10,025,795	14,440,224	37,357,766	26,785,434	7,682,722	7,773,317	38,317,132
AUSTRALASIA : New Zealand	Silver—Bar, Ingot, and Sheet	5,337,169	4,615,178	3,930,380	3,782,012	3,449,219	7,847,830	7,387,199	341,901
	Silver contained in Matte	2,623,352	2,521,241	2,845,479	2,728,589	1,970,933	—	—	—
	Silver contained in Con- centrates and Ores	9,720,247	6,397,340	2,143,023	2,112,183	1,027,036	511,480	437,846	522,515
	Total	17,680,768	13,533,759	8,918,882	8,622,784	6,447,188	8,359,310	7,825,045	864,416
New Zealand	Silver Bullion, etc. ...	1,013,327	605,707	932,517	830,351	1,027,307	1,672,741	1,005,239	
	Silver Coin	84,390	—	1,020,224	49,171	682,293	343,122	596,585	
	Total	1,097,717	605,707	1,952,741	879,522	1,709,600	2,015,863	1,601,824	

Exports of Silver (Foreign Countries)

(Quantity : fine oz.)

(Converted from values at the rate of 2s. 0'6d. per fine oz.)

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE : Belgium	Silver in Ore	19,356							
	Silver Bullion	1,126,966						435,297	2,782,644
	Silver Coin	29,187,824						780,488	847,463
	Total	30,334,146						1,215,785	3,630,107
France	Silver Bullion	5,098,809	3,706,039	5,737,161	5,377,171	8,741,463	1,271,025	3,788,488	51,287,025
	Silver Leaves, Thread, etc.	1,028,166	1,530,410	307,220	1,624,195	1,591,805	1,807,610	1,590,634	1,256,585
	Silver Coin	134,137,727	48,634,858	8,138,478	9,927,415	14,493,659	6,800,780	8,585,366	14,625,561
	Total	140,264,702	53,871,307	14,182,859	16,928,781	24,826,927	9,879,415	13,964,488	67,169,171
Italy	Silver Bullion	411,327	229,551	874,342	2,781	1,668	2,634	4,464,644	3,448,976
	Silver Sheets, Thread, etc.	221,639	93,649	107,024	35,590	73,346	34,478	36,527	45,434
	Silver Coin	13,169,717	623,063	449,093	—	—	6,810	212,293	—
	Total	13,802,683	946,263	1,430,459	38,371	75,014	43,922	4,713,464	3,494,410
Netherlands	Silver Coin to Belgium ...							1,272,361	
	Silver Coin to Netherlands East Indies							10,731,844	
	Silver Coin to other Countries							8,127	
	Total							12,012,332	

Norway	Silver Bullion					3,200			
	Silver Manufacturers					75,005			
	Total					78,205			
Spain	Silver Bullion	5,668,800	4,970,615	5,593,951	5,553,688	3,792,439	2,456,605	2,390,273	
	Silver Plate and Jewellery	2,218,156	1,333,297	558,439	1,361,541	720,029	381,366	883,190	
	Silver Coin	2,494,068	80,039	441,142	710,937	1,383,629	1,198,946	94,888	
	Total	10,381,024	6,383,951	6,593,532	7,626,166	5,896,097	4,036,917	3,368,351	
Sweden	Silver Bullion	151,444	38,224	290,361	646,302	371,512	181,766	77,385	
	Silver Coin	—	1,278	—	—	—	—	—	332
	Total	151,444	39,502	290,361	646,302	371,512	181,766	77,385	
Switzerland	Silver Bullion	435,551	322,722	785,464	451,376	386,654	11,463		
	Silver Coin	3,838,498	1,762,712	898,419	532,849	426,673	540,927		
	Total	4,274,049	2,085,434	1,683,883	984,225	813,327	552,390		
AMERICA : Mexico	Silver in Ore, etc.	5,997,873							
	Silver Bullion	128,522,039	*965,268	18,017,541	20,931,454				
	Silver Coin	5,255,493	4,495,610		†239,171	‡8,897,561			
	Total	139,775,405							
United States	Silver in Domestic Ore and Base Bullion	314,575	154,644	129,327	90,976	340,098	37,093	13,600	
	Silver in Foreign Ore and Base Bullion	—	—	—	—	—	—	2,546	
	Silver in Domestic Bullion, refined	120,515,093	96,007,932	565,102	131,217,171	155,600,342	480,510,829	379,133,580	
	Silver in Foreign Bullion, refined	5,114,088	3,970,478	100,852,966	4,907,219	6,534,185	12,228,332	48,058,937	
	Silver Coin (United States)	439,219	1,080,634	319,425	776,488	2,039,385	7,201,073	43,139,893	
	Silver Coin (Foreign)	1,211,805	3,670,575	7,074,000	6,494,000	6,483,707	13,938,263	15,466,585	
	Total	127,594,780	104,884,263	108,940,820	143,485,854	170,997,717	513,915,590	485,815,141	

* Oct.-Dec., 1914.

† 2nd half of 1916.

‡ 1st half of 1917.

Exports of Silver (Foreign Countries)—cont.

(Quantity : fine oz.)—*cont.*

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
AMERICA—cont.									
Argentina	Silver Bullion	41,561	—	—	23,122				
Bolivia	Silver Bullion	2,173,151	1,975,668	2,328,088	3,507,210	4,443,815	5,846,966	9,638,546	
	Silver Coin	165,795	16,244	310,439	73,385	256,214	162,595	131,639	
	Total	2,338,946	1,991,912	2,638,527	3,580,595	4,700,029	6,009,561	9,770,185	
Chile	Silver Bullion	769,356	729,073	880,449	819,083	931,473			
	Silver Coin	—	—	—	2,195	—			
	Total	769,356	729,073	880,449	821,278	931,473			
Colombia	Silver Bullion				366,215				
ASIA :									
China	Silver Bullion	9,036,674	7,649,845	13,879,549	69,192,618	69,674,303	14,073,460	6,149,796	
	Silver Coin	20,056,347	32,451,189	35,591,260	37,243,424	32,456,117	18,494,481	21,557,511	
	Total	29,093,021	40,101,034	49,470,809	106,436,042	102,130,420	32,567,941	27,707,307	

Exports of Silver (British Empire)

(Value : £).

EUROPE :	United Kingdom ...	Silver in Ores	15,735	12,176	45	—	—	—	30,482	—	
		Silver Bullion, unrefined } Silver Bullion, refined }	14,658,731	9,931,304	6,506,040	9,022,638	—	—	—	—	9,536,978
		Silver Plate	159,896	98,562	63,204	120,069	128,527	98,937	196,264	573,400	
		Silver Coin, of legal tender in the U.K.	691,860	155,045	350,180	740,265	—	—	—	—	1,382,888
		Silver Coin, not of legal tender in the U.K.	704,088	781,226	504,356	978,439	—	—	—	—	—
		Total	16,230,310	10,999,813	7,423,825	10,861,411	—	—	—	—	—
		<hr/>									
AFRICA :	Egypt	Silver Bullion, to British Countries	2,509	13,420	25,230	61,993	25,666	123	29,535	—	
		Silver Jewellery, Plate, etc., to British Countries (chiefly)	34	130	30	79	125	386	101	—	
		Silver Coin, to British Countries (chiefly)	—	—	—	—	20,521	—	3,257	—	
		Total	2,543	13,550	25,260	62,072	46,312	509	32,893	—	
<hr/>											
British West Africa :	Gold Coast	Silver Coin (British) ...	384,145	394,813	123,882	237,672	834,417	—	—	—	
		Silver Coin (Foreign) ...	17,974	16,687	4,209	—	—	—	—	—	
		Total	402,119	411,500	128,091	237,672	834,417	—	—	—	
<hr/>											
Nigeria		Silver Coin (British) ...	—	177,740	708,945	33,966	111,488	50,650	—	—	
		Silver Coin (Foreign) ...	—	7,845	5,622	13,074	7,038	—	—	—	
		Total	—	185,585	714,567	47,040	118,526	50,650	—	—	

Exports of Silver (British Empire)—cont.

(Value : £.)—cont.

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
AFRICA—cont. British South Africa (Union of South Africa and Rhodesia)	Silver in Ores, to British Countries	3,318	2,132	—	—	85		180	
	Silver Coin, to British Countries	5,098	12,501	7,413	4,299	21,124			
	Silver Coin, to Foreign Countries	100	4,790	—	50	10,521			
	Total	5,198	17,291	7,413	4,349	31,645			
	TOTAL	8,516	19,423	7,413	4,349	31,730			
AMERICA : British Guiana ...	Silver Bullion, not pro- duce of Colony	49	12,000	—	—			55,487	
	Silver Coin	49,500	—	—	—	—	—	—	
	Total	49,549	12,000	—	—	—	—	55,487	
Canada	Silver in Ores, Concen- trate, etc. } Silver in Bullion }	4,466,921	3,246,836	2,877,508	3,257,893	3,671,125	778,298 3,051,473	778,308 3,051,473	418,240 2,121,387
	Total	4,466,921	3,246,836	2,877,508	3,257,893	3,671,125	3,829,771	3,829,781	2,539,627
ASIA : India	Silver Bullion and Coin...	1,545,699	1,027,644	1,480,123	3,829,171	2,745,507	787,479	796,765	3,927,506
New Zealand ...	Silver Bullion, etc. ...	103,866	62,085	95,583	85,111	105,299	171,456	103,037	
	Silver Coin	8,650	—	104,573	5,040	69,935	35,170	61,150	
	Total	112,516	62,085	200,156	90,151	175,234	206,626	164,187	

Exports of Silver (Foreign Countries)

(Value : £).

EUROPE :	Belgium	Silver in Ore	1,984															
				Silver Bullion	115,514									44,618	285,221					
				Silver Coin	2,991,752									80,000	86,865					
				Total	3,109,250								124,618	372,086						
France	...	...	...	Silver Bullion	522,628	379,869	588,059	551,160	896,000	130,280	388,320	5,256,920					
				Silver Leaves, Thread, etc.	105,387	156,867	31,490	166,480	163,160	185,280	163,040	128,800								
				Silver Coin	13,749,117	4,985,073	834,194	1,017,560	1,485,600	697,080	880,000	1,499,120								
				Total	14,377,132	5,521,809	1,453,743	1,735,200	2,544,760	1,012,640	1,431,360	6,884,840								
Italy	...	...	...	Silver Bullion	42,161	23,529	89,620	285	171	270	457,626	353,520					
				Silver Sheets, Thread, etc.	22,718	9,599	10,970	3,648	7,518	3,534	3,744	4,657								
				Silver Coin	1,349,896	63,864	46,032	—	—	698	21,760	—								
				Total	1,414,775	96,992	146,622	3,933	7,689	4,502	483,130	358,177								
Netherlands	...	...	...	Silver Coin, to Belgium...							130,417						
				Silver Coin, to Netherlands									1,100,014							
				East Indies																
				Silver Coin, to other Countries									833							
Total									1,231,264											
Norway	...	...	...	Silver Bullion					328								
				Silver Manufactures					7,688											
				Total					8,016											

Exports of Silver (Foreign Countries)—cont.

(Value : £)—cont.

Country Exporting.	Form of Export.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE—cont.									
Spain... ..	Silver Bullion	581,052	509,488	573,380	569,253	388,725	251,802	245,003	
	Silver Plate and Jewellery	227,361	136,663	57,240	139,558	73,803	39,090	90,527	
	Silver Coin	255,642	8,204	45,217	72,871	141,822	122,892	9,726	
	Total	1,064,055	654,355	675,837	781,682	604,350	413,784	345,256	
Sweden	Silver Bullion	15,523	3,918	29,762	66,246	38,080	18,631	7,932	
	Silver Coin	—	131	—	—	—	—	—	33
	Total	15,523	4,049	29,762	66,246	38,080	18,631	7,932	
Switzerland	Silver Bullion	44,644	33,079	80,510	46,266	39,632	1,175		
	Silver Coin	393,446	180,678	92,088	54,617	43,734	55,445		
	Total	438,090	213,757	172,598	100,883	83,366	56,620		
AMERICA :									
Mexico	Silver in Ore, etc. ...	614,782							
	Silver Bullion	13,173,509	98,940*	1,846,798	2,145,474				
	Silver Coin	538,688	460,800		24,515†	912,000‡			
	Total	14,326,979							

United States	...	Silver in Domestic Ore and Base Bullion	32,244	15,851	13,256	9,325	34,860	3,802	1,394
	...	Silver in Foreign Ore and Base Bullion	—	—	—	—	—	—	261
	...	Silver in Domestic Bullion, refined	12,352,797	9,840,813	57,923	13,449,760	15,949,035	49,252,360	38,861,192
	...	Silver in Foreign Bullion, refined	524,194	406,974	10,337,429	502,990	669,754	1,253,404	4,926,041
	...	Silver Coin (United States)	45,020	110,765	32,741	79,590	209,037	738,110	4,421,839
	...	Silver Coin (Foreign)	124,210	376,234	725,085	665,635	664,580	1,428,672	1,585,325
	...	Total	13,078,465	10,750,637	11,166,434	14,707,300	17,527,266	52,676,348	49,796,052
Argentina	...	Silver Bullion	4,260	—	—	2,370			
Bolivia	...	Silver Bullion	222,748	202,506	238,629	359,489	455,491	599,314	987,951
	...	Silver Coin	16,994	1,665	31,820	7,522	26,262	16,666	13,493
	...	Total	239,742	204,171	270,449	367,011	481,753	615,980	1,001,444
Chile	...	Silver Bullion	78,859	74,730	90,246	83,956	95,476		
	...	Silver Coin	—	—	—	225	—		
	...	Total	78,859	74,730	90,246	84,181	95,476		
Colombia	...	Silver Bullion				37,537			
ASIA : China	...	Silver Bullion, Haikwan Taels	6,132,474	5,746,143	10,969,860	42,753,869	33,080,586	5,457,452	1,990,592
	...	Silver Coin, Haikwan Taels	13,610,652	24,375,550	28,129,960	23,012,577	15,409,804	7,171,850	6,977,826
	...	Total, Haikwan Taels	19,743,126	30,121,693	39,099,820	65,766,446	48,490,390	12,629,302	8,968,418
	...	Average Value of Hk. Tl.	3/0 $\frac{1}{4}$	2/8 $\frac{1}{4}$	2/7 $\frac{1}{8}$	3/3 $\frac{1}{8}$	4/3 $\frac{1}{8}$	5/3 $\frac{1}{8}$	6/4

* October-December, 1914.

† 2nd half of 1916.

‡ 1st half of 1917.

Imports of Silver (British Empire)

Quantity : (fine oz.).

(Converted to fine oz. at the rate of 2s. 0·6d. per fine oz.)

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.	
EUROPE : United Kingdom ...	Silver in Ores ...	11,465,424	8,669,678	6,724,849	6,897,551	8,655,873	6,172,936	7,408,927	8,976,527	
	Silver Bullion, unrefined } Silver Bullion, refined }	133,579,717	98,744,117	93,305,590	121,114,234				16,909,795	
	Silver Plate ...	318,800	160,380	108,400	188,107	11,727	8,819	125,034	72,479,317	
	Silver Coin, of legal tender in the U.K.	4,277,073	4,612,917	3,994,985	5,144,400				1,302,342	
	Silver Coin, not of legal tender in the U.K.	3,558,322	7,392,029	4,729,210	3,701,844				6,118,634	
		'Total ...	153,199,336	125,442,643	109,859,210	140,526,146				105,786,615
AFRICA : Egypt ...	Silver Bullion, from British Countries	297,161	47,512	20,419	133,337	110,839	135,336	41,932		
	Silver Jewellery, Plate, etc. from Foreign Countries (chiefly)	62,473	50,663	15,083	30,712	14,624	174,176	256,049		
	Silver Coin, from British Countries (chiefly)	319,785	117,415	6,966,371	11,259,483	11,055,171	5,872,195	379,502		
		'Total ...	686,419	215,590	7,001,873	11,423,532	11,180,634	6,181,707	677,483	

British West Africa (Gold Coast)	Silver Bullion from the U.K. and Foreign Countries	946	1,746	9,824	40,468	13,844		
	Silver Coin from the U.K. and Foreign Countries	11,317,844	7,223,512	8,453,356	8,052,322	1,513,083		
	Total	11,318,790	7,225,258	8,463,180	8,092,790	1,526,927		
Nigeria	Silver Bullion	73,580	79,649	53,961	38,341	86,185	17,268	8,234
	Silver Coin (British) ...	8,294,956	5,669,298	166,985	5,312,215	16,620,098	8,693,659	7,975,639
	Silver Coin (Foreign) ...	371	3,863	254	—	3,512	—	—
	Total	8,368,907	5,752,810	221,200	5,350,556	16,709,795	8,710,927	7,983,873
British South Africa (Union of South Africa and Rho- desia)	Silver Bullion, from British and Foreign Countries	31,229	18,537	11,932	6,127	224		
	Silver Coin, from British Countries	396,537	536,097	110,497	686,732	3,948,605		
	Silver Coin, from Foreign Countries	234,380	95,171	49,161	46,624	20,029		
	Total	630,917	631,268	159,658	733,356	3,968,634		
	TOTAL	662,146	649,805	171,590	739,483	3,968,858		
AMERICA : British Guiana ...	Silver Bullion, from British and Foreign Countries	28,634	23,415	28,976	32,634			12,224
	Silver Coin, from British Countries	478,049	275,590	312,361	542,644			100,322
	Total	506,683	299,005	341,337	575,278			112,546

Imports of Silver (British Empire)—cont.

Quantity : (fine oz.)—cont.

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
AMERICA—cont.									
Canada	Silver Bullion	1,707,815	1,279,024	685,473	1,778,771	1,949,502	749,776	7,028,654	4,986,683
	Silver Coin	800,663	496,703	225,161	251,648	211,922	138,985	267,814	639,980
	Total	2,508,478	1,775,727	910,634	2,030,419	2,161,424	888,761	7,296,468	5,626,663
ASIA :									
India	Silver Bullion and Coin...	108,422,332	70,147,219	54,242,380	127,119,649	158,299,288	341,051,112	337,201,824	54,434,468
AUSTRALASIA :									
Australia	Silver Bullion, from British Countries (chiefly)	48,215	20,244	6,449	3,083	924,020	738,322		
	Silver in Matte, from British Countries (chiefly)	—	—	—	3,542	16,263	20,068		
	Silver Coin, from British Countries (chiefly)	1,727,268	4,134,985	2,123,219	438,712	504,702	241,561		
	Total	1,775,483	4,155,229	2,129,668	445,337	1,444,985	999,951		
New Zealand ...	Silver Bullion, from British Countries.	9,844	3,210	3,453	6,897	11,395	3,151	10,000	
	Silver Coin, from British Countries (chiefly)	831,756	331,707	2,517,132	2,598,488	1,679,541	981,171	3,457,415	
	Total	841,600	334,917	2,520,585	2,605,385	1,690,936	984,322	3,467,415	

Imports of Silver (Foreign Countries)

(Quantity : fine oz.)

(Converted to fine oz. at the rate of 2s. 0·6d. per fine oz.)

EUROPE :	Austria-Hungary ...	Silver Bullion ...	5,365,854							
		Silver Coin ...	418,761							
		Total ...	5,784,615							
Belgium ...	...	Silver in Ore ...	30,546					—	14,293	
		Silver Bullion ...	1,210,146					696,342	529,297	
		Silver Coin ...	142,566,244					608,702	974,956	
		Total ...	143,806,936					1,305,044	1,518,546	
France ...	...	Silver Bullion from the U.K. (chiefly)	25,921,775	15,075,502	32,269,610	41,020,878	49,671,415	21,915,317	33,914,927	16,101,463
		Silver Sheets, Thread, etc.	89,727	306,644	24,439	97,951	47,219	32,000	120,976	201,366
		Silver Coin ...	126,062,049	28,018,722	2,308,682	712,976	731,317	175,610	190,829	6,337,561
		Total ...	152,073,551	43,400,868	34,602,731	41,831,805	50,449,951	21,122,927	34,226,732	22,640,390
Italy ...	...	Silver Bullion ...	2,832,097	2,977,844	2,508,400	2,007,483	5,243,619	221,288	1,873,229	551,239
		Silver Sheets, Thread, etc.	337,756	216,224	190,507	469,766	712,488	1,038,244	1,404,312	365,902
		Silver Coin ...	679,337	1,017,132	292,293	128,780	1,288	—	—	—
		Total ...	3,849,190	4,211,200	2,991,200	2,606,029	5,957,395	1,259,532	3,277,541	917,141
Netherlands ...	...	Silver Bullion ...	4,125,873	7,156,976	6,124,976		4,455,327	5,680,341	7,566,234	
		Silver Coin ...	716,468	1,102,595	448,790		56,224	2,445,951	6,927	
		Total ...	4,842,341	8,259,571	6,573,766		4,511,551	8,126,292	7,573,161	
Norway ...	...	Silver Bullion ...					290,956			
		Silver Manufactures ...					980,703			
		Total ...					1,271,659			

Imports of Silver (Foreign Countries)—cont.

(Quantity : fine oz.)

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE—cont. Sweden	Silver Bullion	770,214	1,011,795	1,687,385	1,692,098	3,082,800	458,312	947,824	
	Silver Coin	136,498	115,083	777,981	1,424	576	6,293	443,463	
	Total	906,712	1,126,878	2,465,366	1,693,522	3,083,376	464,605	1,391,287	
Switzerland	Silver Bullion	2,861,736	2,274,702	2,214,137	4,025,600	4,433,414	2,035,083	2,476,576	
	Silver Coin	20,576,137	6,128,117	10,860,351	9,279,327	3,870,859	573,024		
	Total	23,437,873	8,402,819	13,074,488	13,304,927	8,304,273	2,608,107		
AMERICA : United States	Silver in Foreign Ore and Base Bullion	32,292,371	14,262,615	16,480,010	37,902,654	76,562,117	91,215,288	150,555,551	
	Silver in Domestic Bul- lion, refined	—	—	1,538,439	—	—	—	—	
	Silver in Foreign Bullion, refined	34,895,717	34,949,112	46,702,029	23,295,551	19,304,381	41,908,937	17,036,644	
	Silver Coin (United States)	3,969,678	3,159,639	2,742,136	1,822,146	2,361,805	2,576,907	2,148,644	
	Silver Coin (Foreign) ...	1,744,302	391,210	2,626,732	2,555,434	10,187,307	9,371,434	11,986,829	
	Total	72,902,068	52,762,576	70,089,346	65,575,785	108,415,610	145,072,566	181,727,668	
Chile	Silver Coin			625,102	1,312,702	49,768			
Colombia	Silver Coin								
ASIA : China	Silver Bullion	68,681,702	10,200,230	14,631,440	21,525,763	34,116,143	58,355,215	151,427,056	
	Silver Coin	13,413,481	11,764,561	11,581,258	38,497,763	23,819,693	34,800,508	40,407,161	
	Total	82,095,183	21,964,791	26,212,698	60,023,526	57,935,836	93,155,723	191,834,217	

Imports of Silver (British Empire)

(Value : £).

EUROPE :										
United Kingdom	...	Silver in Ores	1,175,206	888,642	689,297	706,999	887,227	632,726	759,415	920,094
		Silver Bullion, unrefined		601,011	102,108	356,701				1,733,254
		Silver Bullion, refined	13,691,921	10,121,272	9,563,823	12,414,269				7,429,130
		Silver Plate	32,677	16,439	11,111	19,281	1,202	904	12,816	
		Silver Coin, of legal tender in the U.K.	438,400	472,824	409,486	527,301				133,490
		Silver Coin, not of legal tender in the U.K.	364,728	757,683	484,744	379,439				627,160
		Total	15,702,932	12,857,871	11,260,569	14,403,930				10,843,128
AFRICA :										
Egypt	...	Silver Bullion, from British Countries	30,459	4,870	2,093	13,667	11,361	13,872	4,298	
		Silver Jewellery, Plate, etc., from Foreign Countries (chiefly)	7,121	5,193	1,546	3,148	1,499	17,853	26,245	
		Silver Coin, from British Countries (chiefly)	32,778	12,035	714,053	1,154,097	1,133,155	601,900	38,899	
		Total	70,358	22,098	717,692	1,170,912	1,146,015	633,625	69,442	
British West Africa :										
Gold Coast	...	Silver Bullion, from the U.K. and Foreign Countries	97	179	1,007	4,148	1,419			
		Silver Coin, from the U.K. and Foreign Countries	1,160,079	740,410	866,469	825,363	155,091			
		Total	1,160,176	740,589	867,476	829,511	156,510			

Imports of Silver (British Empire)—cont.

(Value : £).

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
AFRICA— <i>cont.</i> Nigeria	Silver Bullion	7,542	8,164	5,531	3,930	8,834	1,770	844	
	Silver Coin (British) ...	850,233	581,103	17,116	544,502	1,703,560	891,100	817,503	
	Silver Coin (Foreign) ...	38	396	26	—	360	—	—	
	Total	857,813	589,663	22,673	548,432	1,712,754	892,870	818,347	
British South Africa (Union of South Africa and Rho- desia)	Silver Bullion, from British and Foreign Countries	3,201	1,900	1,223	628	23			
	Silver Coin, from British Countries	40,645	54,950	11,326	70,390	404,732			
	Silver Coin, from Foreign Countries	24,024	9,755	5,039	4,779	2,053			
	Total	64,669	64,705	16,365	75,169	406,785			
	TOTAL	67,870	66,605	17,588	75,797	406,808			

AMERICA :										
British Guiana	...	Silver Bullion, from British and Foreign Countries	2,935	2,400	2,970	3,345			1,253	
		Silver Coin, from British Countries	49,000	28,248	32,017	55,621			10,283	
		Total	51,935	30,648	34,987	58,966			11,536	
Canada	... ..	Silver Bullion	175,051	131,100	70,261	182,324	199,824	76,852	720,437	511,135
		Silver Coin	82,068	50,912	23,079	25,794	21,722	14,246	27,451	65,598
		Total	257,119	182,012	93,340	208,118	221,546	91,098	747,888	576,733
ASIA :										
India	... ..	Silver Bullion and Coin...	11,113,289	7,190,090	5,559,844	13,029,764	16,225,677	34,957,739	34,563,187	5,579,533
AUSTRALASIA :										
Australia	... ..	Silver Bullion, from British Countries (chiefly)	4,942	2,075	661	316	94,712	75,678		
		Silver in Matte, from British Countries (chiefly)	—	—	—	363	1,667	2,057		
		Silver Coin, from British Countries (chiefly)	177,045	423,836	217,630	44,968	51,732	24,760		
		Total	181,987	425,911	218,291	45,647	148,111	102,495		
New Zealand	... ..	Silver Bullion, from British Countries	1,009	329	354	707	1,168	323	1,025	
		Silver Coin, from British Countries (chiefly)	85,255	34,000	258,006	266,345	172,153	100,570	354,385	
		Total	86,264	34,329	258,360	267,052	173,321	100,893	355,410	

Imports of Silver (Foreign Countries)
(Value : £).

Country Importing.	Form of Import.	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
EUROPE :									
Austria-Hungary ...	Silver Bullion	550,000							
	Silver Coin	42,923							
	Total	592,923							
Belgium	Silver in Ore	3,131						—	1,465
	Silver Bullion	124,040						71,375	54,253
	Silver Coin	14,613,040						62,392	99,993
	Total	14,740,211						133,767	155,651
France	Silver Bullion	2,656,982	1,545,239	3,307,635	4,204,640	5,091,320	2,246,320	3,476,280	1,650,400
	Silver Sheets, Thread, etc.	9,197	31,431	2,505	10,040	4,840	3,280	12,400	20,640
	Silver Coin	12,921,360	2,871,919	236,640	73,080	74,960	18,000	19,560	649,600
	Total	15,587,539	4,448,589	3,546,780	4,287,760	5,171,120	2,267,600	3,508,240	2,320,640
Italy	Silver Bullion	290,290	305,229	257,111	205,767	537,471	22,682	192,006	56,502
	Silver Sheets, Thread, etc.	34,620	22,163	19,527	48,151	73,030	106,420	143,942	37,505
	Silver Coin	69,632	104,256	29,960	13,200	132	—	—	—
	Total	394,542	431,648	306,598	267,118	610,633	129,102	335,948	94,007
Netherlands	Silver Bullion	422,902	733,590	627,810		456,671	582,235	775,539	
	Silver Coin	73,438	113,016	46,001		5,763	250,710	710	
	Total	496,340	846,606	673,811		462,434	832,945	776,249	
Norway	Silver Bullion					29,823			
	Silver Manufactures					100,522			
	Total					130,345			

Sweden	Silver Bullion	78,947	103,709	172,957	173,440	315,987	46,977	97,152	
	Silver Coin	13,991	11,796	79,743	146	59	645	45,455	
	Total	92,938	115,505	252,700	173,586	316,046	47,622	142,607	
Switzerland	Silver Bullion	293,328	233,157	226,949	412,624	454,425	208,596	253,849	
	Silver Coin	2,109,054	628,132	1,113,186	951,131	396,763	58,735		
	Total	2,402,382	861,289	1,340,135	1,363,755	851,188	267,331		
AMERICA : United States	Silver in Foreign Ore and Base Bullion	3,309,968	1,461,918	1,689,201	3,885,022	7,847,617	9,349,567	15,431,944	
	Silver in Domestic Bullion, refined	—	—	157,690	—	—	—	—	
	Silver in Foreign Bullion, refined	3,576,811	3,582,284	4,786,958	2,387,794	1,978,699	4,295,666	1,746,256	
	Silver Coin (United States)	406,892	323,863	281,069	186,770	242,085	264,133	220,236	
	Silver Coin (Foreign) ...	178,791	40,099	269,240	261,932	1,044,199	960,572	1,228,650	
	Total	7,472,462	5,408,164	7,184,158	6,721,518	11,112,600	14,869,938	18,627,086	
Chile	Silver Coin			64,073	134,552	5,101			
Colombia	Silver Coin								
ASIA : China	Silver Bullion, Haikwan Tael	46,608,824	7,661,852	11,564,126	13,300,691	16,197,966	22,629,175	49,014,547	
	Silver Coin, Haikwan Tael	9,102,666	8,836,892	9,153,380	23,787,629	11,309,326	13,495,054	13,079,160	
	Total, Haikwan Tael	55,711,490	16,498,744	20,717,506	37,088,320	27,507,292	36,124,229	62,093,707	
	Average value of Hk. Tl.	$3/0\frac{1}{4}$	$2/8\frac{1}{4}$	$2/7\frac{1}{8}$	$3/3\frac{1}{8}$	$4/3\frac{1}{8}$	$5/3\frac{7}{8}$	$6/4$	

SULPHUR.*World's Production of Sulphur*

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Austria :								
Sulphur rock ...	10,391	19,992	3,110					
France :								
Sulphur rock ...	648	—	382	689	728	4,132		
Sulphur content			38	69	73	556		
Italy :								
Crude sulphur (fused)	380,101	371,771	352,352	265,045	208,442	230,531	222,492	253,854
Crude sulphur (ground)	19,773	25,302	21,777	18,292	17,934	18,787	28,721	34,437
Refined sulphur	149,275	146,704	114,488	†	†	†	†	
Spain :								
Sulphur rock ...	61,646	46,422	28,472	46,169	83,613	71,197	88,146	
Refined sulphur*	7,378	7,930	9,515	10,459	12,678	12,533	11,261	
Algeria :								
Sulphur rock ...		108	118	443	1,162	5,491		
United States :								
Sulphur rock ...	491,080	417,690	520,582	649,683	1,134,412	1,353,525	1,210,000	
Chile :								
Sulphur rock ...	6,540	9,847	9,612	14,640	18,638	19,243		
Formosa :								
Sulphur rock ...	2,268	1,184	1,353	2,940	2,846			
Japan :								
Sulphur rock ...	—	8,694	16,896	21,142	13,360	20,810		
Refined sulphur ‡	58,493	72,924	71,046	104,677	116,191	63,671		

* From the treatment of sulphur rock in Spain.

† Not reported.

‡ Additional to the sulphur rock mined.

NOTE.—Java is reported to have produced about 1,200 tons of sulphur in 1913 ; there was no production during the years 1914–1917 inclusive.

Exports of Sulphur from Chief Producing Countries

(long tons).

France ...	22,949	14,404	11,422	17,023	5,443	3,596	3,987	29,977
Italy ...	345,692	256,149	387,577	321,189	116,438	189,138	118,515	145,956
Japan ...	53,287	50,647	73,537	81,211	83,920	53,500	27,500	
United States ...	89,221	98,163	37,312	128,755	152,833	131,092	224,712	477,450

Imports of Sulphur into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom	18,214	21,799	35,555	34,030	29,392	72,720	7,574	15,759
Canada	27,172	37,459	26,948	65,596	73,612	86,662	50,055	129,226
France	183,349	113,921	97,798	126,036	75,631	71,402	137,740	234,142
Norway	15,164	10,181	6,695	7,145	4,006	2,987		
Portugal... ..	14,878	8,601	12,570	13,870	7,227		6,204	
Spain	10,228	10,181	8,577	11,612	1,916	4,158	9,537	
Sweden	39,077	35,474	26,006	26,451	14,369	—	21,939	57,613
Algeria	31,477				9,841	14,292	11,592	
United States ...	22,605	26,135	25,910	22,235	1,015	82	103	44*

* Crude and refined sulphur only.

TALC.

World's Production of Talc
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	40	180	350	301	1,233	936	688	361
Union of South Africa	—	—	39	118	746	652	788	609
Canada	10,937	9,650	10,612	11,700	14,110	16,222	16,645	
India	2,524	999	1,077	1,214	7,829	4,538	2,135	
Australia	104	80	60	387	234	544	582*	
Austria (exports) ...	7,953	6,093	5,883	5,668	3,866			
France	59,208					56,660		
Bavaria	—	1,707	1,814	1,867	2,136	9,158		
Italy	44,622	41,343	45,135	52,557	41,989	34,910	34,176	
Norway (exports) ...	2,392	3,147	3,355	6,282	2,896			
Spain... ..	4,336	4,538	948	3,504	3,395	3,275	2,975	
United States ...	156,994	153,836	166,867	190,144	195,400	185,988	168,000	190,179

* Provisional figure.

NOTE.—In addition to the countries mentioned in the above table, Brazil exported 41 tons and 13 tons during the years 1917 and 1918 respectively.

Exports of Talc from Chief Producing Countries
(long tons).

Austria	7,953	6,093	5,883	5,668	3,866			
France*	11,312	8,612	7,453	6,558	3,842	15,301	9,469	20,062
Italy	18,276	19,200	18,968	20,971	10,419	4,339	9,332	13,935

* Ground talc.

Exports of talc from Canada and Spain are not recorded separately.

Imports of Talc into Chief Consuming Countries
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom* ...	11,214	11,975	14,101	15,170	12,785	15,183	11,843	
Austria ...	1,639	1,437	452	63	152			
France† ...	5,457	3,643	4,056	7,756	3,362	1,182	6,316	6,664
United States ...	12,295	14,048	16,133	16,859	16,615	12,651	13,037	19,401‡

* Including French chalk, steatite, mineral white, silica and soapstone.

† Ground talc.

‡ Provisional figure.

TIN.

World's Production of Tin Ore (in terms of metal)
(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	5,288	5,056	4,968	4,697	3,936	3,954	3,272	
Nigeria ...	3,872	4,300	4,837	5,731	5,820	5,904	5,718	5,539
Swaziland* ...	270	344	347	409	321	358	336	314
Union of South Africa	2,251	2,024	2,056	1,928	1,598	1,422	1,109	
India ...	303	287	430	439	607	647	1,078	
Straits Settlements (exports)	11	6	40	21	7			
Federated Malay States (exports)	50,125	49,041	46,765	43,869	39,832	37,369	36,935	34,934
Unfederated Malay States (exports)	1,241	1,595	3,040	3,340	3,063	2,720	2,303	
Australia ...	7,780	5,401	5,836	5,692	4,940	4,747	4,381	4,206
Portugal ...	108	223	293					
Belgian Congo (exports)	13	21	28	—	138			
United States ...	45	93	91	125	98	61	54	
Bolivia (exports) ...	26,327	21,997	21,544	20,983	27,558	29,104	28,745	17,725||
China ...	8,408	7,268	7,995	7,645	11,809	8,730	8,742	6,500
Japan ...	38	95	336	248	208	165		
Siam* ...	6,747	6,591	8,998	8,765	9,153	8,835		
Dutch East Indies ...	20,541	19,605	19,255	21,258	20,702	19,200		

* Fiscal years ending March 31.

|| Preliminary figures. Shipments from west coast only.

NOTE.—In addition to the countries mentioned in the above table, Austria-Hungary, Germany and Spain have produced low-grade ores. Figures for Austria-Hungary and Germany are not available. The tin content of the Spanish ores has varied between 75 and 35 tons per annum.

Exports of Tin Ore from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
Nigeria	4,139	6,152	6,507	7,054	9,941	8,294	7,685	
Union of South Africa	2,481	3,730	3,424	2,264	2,354	1,925	1,200	2,163
Unfederated Malay States	1,773	2,279	4,343	4,771	4,375	3,885	3,290	
Bolivia	43,878	36,661	35,906	34,971	45,316	47,280	47,436	29,542†
Australia*	2,890	2,240	1,463	1,459	847	—	—	70

* Tin content of ores and concentrates.

† Shipments from west coast only. Subject to revision.

Imports of Tin Ore into Chief Consuming Countries

(long tons).

United Kingdom ...	34,592	32,398	44,748	33,912	41,208	32,330	35,737	33,810
Straits Settlements...	80,987	81,144	85,309	82,498	73,808	63,034	61,784	—
United States ...	—	—	—	8,307	8,084	16,423	17,139	30,489

Exports of Tin from Chief Producing Countries

(long tons).

United Kingdom ...	11,513	13,399	14,167	18,022	19,265	15,238	14,629	13,335
Straits Settlements...	65,749	66,231	68,786	65,229	64,046	55,058	59,344	
Federated Malay States :								
Block Tin ...	5,089	3,642	4,369	4,776	5,414	4,449	5,137	} 34,928
Tin in Ore ...	45,036	45,399	42,396	39,093	34,418	32,920	31,798	
Australia	3,419	1,786	2,807	3,297	3,357	3,425	3,346	2,968
China	8,255	7,097	7,880	7,502	11,686	8,679	8,692	11,303

Imports of Tin into Chief Consuming Countries

(long tons).

United Kingdom ...	45,682	40,961	38,896	33,646	27,143	12,567	22,901	28,749
Canada	2,270	1,510	1,300	1,544	1,645	1,551		
India	2,032	2,036	1,510	1,297	1,409	1,230	2,093	2,507
Straits Settlements...	6,878	5,383	7,223	6,012	6,369	5,059	10,654	
France	8,299	7,062	8,859	10,203	12,536	9,522	9,631	6,856
Italy	2,925	2,700	4,421	2,869	3,202	2,297	2,795	2,030
Netherlands ...	21,768	16,637	2,688	—	467	—	2,943	
Spain... ..	1,682	1,135	1,452	1,383	1,176	387	1,738	1,105
United States ...	46,722	42,437	51,600	61,638	64,434	63,620	40,044	56,267
Japan	1,153	1,287	1,172	1,084	1,990	2,802	2,961	

TUNGSTEN.*World's Production of Tungsten Ores*
(long tons of concentrates).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
✓ United Kingdom ...	182	205	331	394	241	302	166	94
Southern Rhodesia ...	4	—	—	3	11	33	18	15
Union of South Africa	—	—	—	1	8	17	4	—
Canada	—	—	—	—	—	12	—	—
✓ India	1,688	2,326	2,645	3,693	4,542	4,431	3,576	—
Malaya :								
✓ Federated Malay States (exports)	207	261	292	515	761	356	435	239
Unfederated Malay States	136	168	169	297	322	1,177	706	—
Australia :								
Wolfram and Scheelite	636	529	755	970	1,115	1,304	766†	—
Bismuth and Wolfram	182	193	247	137	131	114	140	—
✓ New Zealand ...	210	222	216	258	199	143	123	—
✓ Austria	51	56	14	135*	135*	135*	—	—
✓ France	120	120	100	125	200	165	170*	—
✓ Germany*	285	90	133	310	180	180	—	—
Italy	—	—	—	7	1	—	—	—
Norway	3	4	1	1	1	—	—	—
Portugal	799	648	912	1,390*	1,550*	1,160*	—	—
Spain	231	430	503	448	537	4,482	332	—
Sweden	—	—	—	—	—	4	28	—
Mexico	—	—	—	12	185	147	22	39
United States ...	1,372	884	2,082	5,288	5,486	4,525	295	193
Argentina (exports)	527	402	178	786	989	563	—	—
Bolivia (exports) ...	278	272	780	2,987	3,827	3,363	1,963	—
Brazil	—	—	—	5	—	—	—	—
Chile	—	—	8	2	3	—	—	—
✓ Peru	285	193	369	515	399	239	—	—
China*	—	20	35	110	1,340	9,375	—	—
French Indo-China :								
Tungsten and Tin Ore	194	305	416	425	511†	590	—	—
Japan and Korea ...	243	192	367	779	1,042	596	—	—
Siam*	300	30	425	520	590	—	—	—
Dutch East Indies ...	30	30	30	50	50	700	—	—

* Estimated.

† Excluding Northern Territory.

Exports of Tungsten Concentrates from Chief Producing Countries
(long tons).

India*	—	—	2,066	4,030	4,839	4,782	3,933	2,934
Federated Malay States.	207	261	292	515	761	356	435	239
Australia†	800	432	516	986	1,068	1,164	919	—
New Zealand	221	204	194	266	161	170	131	—
Portugal	1,332	910	873	1,102	1,586	—	758	—
Argentina	527	402	178	786	989	563	—	—
Bolivia	278	272	780	2,987	3,827	3,363	1,963	—
Peru	286	193	334	515	411	243	—	—
Japan	—	—	476	529	708	1,181	624	—

* Not recorded prior to 1915.

† 1913 is a calendar year; 1914, for six months to June 30. From 1915 onwards figures for fiscal years ending June 30.

NOTE.—Exports from the Unfederated Malay States, China and Siam are not separately recorded, but it may be assumed that, with the exception of accumulated stocks, practically the whole production is exported.

With the exception of the United States, figures regarding the imports of tungsten concentrates into the chief consuming countries are not available. Details for the United States are summarized below :—

Year.	Ore (long tons).	Tungsten and ferro-tungsten (long tons).	Estimated equivalent in ore carrying 60 per cent. of tungsten trioxide* (long tons).
1913	401	661	1,921
1914	267	195	727
1915	1,586	7	1,734
1916	3,547	38	3,929
1917	4,354	1	4,718
1918	10,491	—	11,365
1919	8,400	177	9,498

* These items include the ore (considered as carrying 65 per cent. of tungsten trioxide) and the tungsten and ferro-tungsten (considered as equivalent to 2½ times their weight in ore carrying 60 per cent. of tungsten trioxide). Chinese ore imported has been considered as 67½ per cent. of tungsten trioxide.

During the year 1920 the United Kingdom imported 6,763 tons; prior to this date imports were not separately recorded, and the Customs authorities possess no detailed particulars.

URANIUM.

World's Production of Uranium Ore (long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	95	344	82	51	13	—	—	60
Austria-Hungary ...	11	17	12					
Portugal	1,206	1,286	186					
Madagascar	5	9	1	1	7	4	10	5
United States* ...	2,026	3,834	41,964	18,125	29,825	16,839	10,146	

* Uranium and vanadium ores.

In addition to the countries mentioned in the above table, India, Australia and Germany have produced uranium ores. The output of samarskite in India has only averaged a few cwt. per annum. In South Australia the production of uranium ore has been intermittent; values only are given in the Annual Reports, as follows :—1913, £3,620; 1914, £5,215; and 1918, £686. No statistics are available for Germany.

VANADIUM.*Production of Vanadium*

The quantity of metallic vanadium contained in the ores produced in the United States and Peru during the period under review has been as follows:—

Year.					United States (long tons).	Peru (long tons).
1913	...	...	...	...	386	—
1914	...	...	...	...	404	4
1915	...	...	...	...	560	717
1916	...	...	...	...	411	689
1917	...	...	...	...	432	733
1918	...	...	...	...	246	209
1919	...	...	...	...	221	
1920	...	...	...	...	1,000*	

* Estimated.

Trade Statistics

Detailed figures regarding imports and exports of vanadium are not available.

ZINC.*World's Production of Zinc (Smelter Production)*

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom*	66,000	50,000	45,000	60,000	50,000	50,000	35,000	24,500*
Canada ...	—	—	—	2,655	8,915	11,227	11,005	17,931
Australia ...	4,313	5,104	4,964	5,227	4,131	6,221	6,544	9,665
Austria ...	19,194	14,700*	9,350*	11,400*	12,400*	11,800*	—	—
Belgium ...	200,938	143,580	50,830	22,561	10,125	9,096	16,727	81,711
France ...	66,799	41,790	18,872	19,932	22,560	18,052	18,000*	19,822
Germany†	279,000	232,000	192,000	193,000	178,000	232,000	47,000*	94,241
Holland ...	23,940	16,193	10,954	11,910	3,995	670	—	2,000
Italy ...	—	—	—	254	361	1,169	1,261	1,261
Norway... ..	9,138	18,695	24,598	31,486	21,646	1,825	3,400*	1,807
Poland (Russia)	10,331	6,199	1,968	1,032	—	—	2,500*	8,000
Spain	5,907	11,554	7,987	8,386	9,992	15,644	16,052	6,200*
Sweden	2,081	2,263	8,450	9,836	7,851	4,032	2,283	1,427
United States ...	309,532	315,222	437,071	596,735	597,833	462,435	415,842	428,368§
China (exports)	893	305	2,291	762	425	127	107	95
Japan	—	5,807	20,754	38,297	53,741	39,203	22,000*	8,000

* Estimated.

† Figures given to nearest thousand tons.

§ Reports of smelters only.

Exports of Zinc Ore from Chief Producing Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	13,378	7,974	400	334	—	—	65	—
India* ...	—	7,660	4,909	187	3,214	2	—	—
Australia† ...	228,159	151,424	68,518	88,812	45,851	23,355	20,608	24,242
Austria-Hungary ...	16,114	9,668	3,779	1,596	2,642	—	—	—
France ...	57,268	20,937	5,510	1,790	529	431	110	11,846
Greece (calcined calamine)	28,754	17,509	12,729	14,422	4,993	1,476	—	9,644
Sweden ...	45,946	40,832	41,479	9,201	6,695	15,949	54,252	—
Algeria ...	79,685	42,041	16,526	28,510	35,813	17,603	8,184	12,598
Mexico (exports to the United States)	15,603	18,487	51,517	143,992	129,784	47,632	29,860	—
United States ...	15,815	9,920	743	70	1,179	55	—	—
China ...	9,396	7,255	8,406	404	224	163	2	8,970
Japan ...	—	—	6,033	2,155	161	5	—	—

* Fiscal years ending March 31.

† Zinc content of ores and concentrates.

Imports of Zinc Ore into Chief Consuming Countries

(long tons).

United Kingdom ...	64,670	144,251	114,360	78,325	87,368	92,787	78,552	—
France ...	175,847	97,531	48,604	55,816	35,845	60,302	39,899	39,030
Netherlands ...	—	94,887	87,706	—	6,344	4,116	16,371	—
United States ...	28,041	28,538	141,832	344,611	188,924	63,305	43,437	58,726

Exports of Spelter from Chief Producing Countries

(long tons).

United Kingdom ...	9,496	6,027	767	2,141	6,608	876	4,986	—
India ...	3,913	8,636	196	3,225	2	—	—	75
Australia ...	43	1,391	2,489	3,314	171	689	1,838	5,689
France ...	27,619	13,080	4,318	3,859	4,043	3,054	4,852	8,089
Italy (including scrap)	1,615	1,237	92	137	18	13	8	107
Spain ...	1,027	3,221	4,525	5,421	7,119	3,687	6,485	1,571
Sweden (including scrap)	6,426	6,323	8,502	5,705	6,427	910	4,381	1,875
United States ...	6,949	57,859	105,896	145,656	137,318	71,646	115,632	76,695
China ...	893	305	2,291	762	425	127	107	95
Japan ...	—	—	5,299	22,799	36,176	16,680	5,582	—

Imports of Spelter into Chief Consuming Countries

(long tons).

—	1913.	1914.	1915.	1916.	1917.	1918.	1919.	1920.
United Kingdom ...	145,004	115,859	74,522	53,327	76,105	64,138	94,226	109,367
Union of South Africa	4,156	4,398	3,299	4,349	3,053	3,070	2,165	1,301
Canada	7,736	6,253	7,107	6,625	8,980	6,211		
India	4,392	2,041	484	298	1,889	4,592	3,307	4,404
France	36,175	27,783	34,655	62,487	71,914	44,846	37,661	31,489
Italy (including scrap)	17,931	14,043	13,628	18,401	19,072	10,576	18,968	7,022
Norway	13,341	17,211	31,300	25,427	15,795		30,977	
Sweden (including scrap)	5,921	7,770	9,518	10,000	6,966	861	12,236	5,352
Japan	10,787	5,698	3,402	3,723	5,617			

IMPERIAL MINERAL RESOURCES BUREAU.

THE MINERAL INDUSTRY OF
THE BRITISH EMPIRE

AND

FOREIGN COUNTRIES.

STATISTICAL SUMMARY

(Production, Imports and Exports)

1920 - 1922.



LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Imperial House, Kingsway, London, W.C.2, and 28, Abingdon Street, London, S.W.1;
York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;
or 120, George Street, Edinburgh;
or through any Bookseller.

1924.

Price 8s. 0d. Net.

CONTENTS

	PAGE
Introductory Note	4
Abrasives	5
Aluminium	9
Antimony	15
Arsenic	19
Asbestos	23
Barium Minerals	27
Bismuth	31
Borates	33
Cadmium	37
China Clay	39
Chrome Ore and Chromium	42
Coal, Coke and By-Products	46
Cobalt	70
Copper	72
Diamonds	82
Diatomaceous Earth	85
Felspar	87
Fluorspar	89
Fuller's Earth	91
Gold	93
Graphite	104
Gypsum	107
Iron and Steel	112
Lead	124
Magnesite	133
Manganese	139
Mica	144
Molybdenum	147
Monazite	149
Nickel	152
Nitrates	158
Petroleum and Allied Products	164
Phosphates	187
Platinum	194
Potash Minerals	199
Pyrites	212
Quicksilver	216
Salt	220
Silver	230
Strontium Minerals	241
Sulphur	243
Talc	249
Tin	252
Titanium Minerals	261
Tungsten	263
Uranium Minerals	267
Vanadium	269
Zinc	271
List of Statistical Publications	281

INTRODUCTORY NOTE

Throughout the trade statistics given in this document, minerals and metals imported or exported on Government account have, as far as possible, been included.

In those cases where values are given in place of quantities, these values have been converted to £ sterling at the average rate of exchange, except where otherwise indicated.

The units of quantity adopted are the British statute cwt. and ton of 112 lb. (avdp.) and 2,240 lb. (avdp.), respectively, and the imperial gallon.

ABRASIVES

PRODUCTION OF NATURAL ABRASIVES (Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
Union of South Africa—			
Corundum	243	549	2,035
Canada (a)—			
Corundum	175	360	—
India—			
Corundum	210	—	—
Garnet	20	—	—
Australia—			
Corundum	—	(b)	
New Zealand—			
Pumice (e)	2,843	2,945	3,020
FOREIGN COUNTRIES			
France—			
Tripoli	53	(c)	(c)
Germany (Bavaria)—			
Emery	138	(c)	(c)
Italy—			
Pumice	24,795	10,792	20,698
Greece—			
Emery	10,911	12,505	(g) 6,200
Russia—			
Corundum	62	7	(c)
Emery	665	583	(c)
Spain—			
Garnet	195	5	—
Tripoli	587	486	516
Madagascar—			
Corundum	514	280	(d) 183
United States—			
Emery	2,078	272	1,311
Garnet	4,889	2,721	6,298
Pumice	37,355	33,132	40,412
Tripoli	35,922	11,018	(f) 66,934

(a) Sales.

(b) Less than $\frac{1}{2}$ ton.

(c) Information not available.

(d) Exports.

(e) From quarries controlled by the Stone Quarries Act.

(f) Including diatomaceous earth.

(g) Approximate production.

EXPORTS OF ABRASIVES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Natural abrasives	2,025	1,258	1,840
Artificial abrasives	886	406	310
Union of South Africa—			
Corundum	397	38	1,827
Canada (b)—			
Corundum	679	281	3
Tripoli, etc.	4,362	850	3,558
Artificial abrasives	24,154	3,685	18,270
Hong Kong (c)—			
Emery, etc.	(£10,933)	(£10,040)	(£6,362)
New Zealand—			
Pumice stone	104	234	63
Pumice sand	2,739	2,711	2,957
FOREIGN COUNTRIES			
Czechoslovakia (c)—			
Carborundum	1	1	(a)
Crude pumice stone	41	16	(a)
Crude emery	(e)	42	(a)
Ground emery	3	7	(a)
France—			
Corundum	330	151	335
Powdered emery	1,988	686	843
Pumice stone	205	108	92
Germany—			
Emery	(a)	(a)	827
Pumice and tripoli	23,724	(d) 8,655	6,211
Greece—			
Emery	7,351	10,271	9,338
Netherlands—			
Emery	152	359	637
Sweden—			
Emery	31	8	7
Rottenstone	2	1	(e)
Carborundum, etc.	34	268	247
Switzerland—			
Emery and carborundum ..	1,576	1,131	550
Chile—			
Emery	—	—	4

(a) Information not available.

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

(c) Total exports.

(d) Eight months only, May–December.

(e) Less than $\frac{1}{2}$ ton.

IMPORTS OF ABRASIVES

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Natural corundum	405	302	(41c)
Emery	5,856	5,543	6,513
Artificial corundum	810	839	43
Carborundum	867	445	862
Other hard abrasives	4,083	3,823	3,312
Southern Rhodesia—			
Emery (£ South African)	(£379)	(£924)	(£473)
Union of South Africa—			
Emery (£ South African)	(£11,765)	(£7,917)	(£6,634)
Canada (b)—			
Pumice and pumice stone, lava and calcareous tufa	(£12,989)	(£4,673)	(£6,450)
Emery in bulk, crushed or ground	(£19,350)	(£8,324)	(£9,314)
Artificial abrasives in bulk, crushed or ground	(£55,252)	(£16,052)	(£42,866)
Hong Kong (d)—			
Emery, etc.	(£17,547)	(£16,343)	(£14,674)
Australia (e)—			
Pumice stone (£ Australian)	(£4,522)	(£6,980)	(£4,347)
New Zealand—			
Pumice stone	5	1	2
Pumice sand	3	1	4
FOREIGN COUNTRIES			
Austria (f)—			
Emery	484	497	(a)
Czechoslovakia (d)—			
Carborundum	72	26	13
Crude pumice stone	60	64	(a)
Crude emery	27	78	(a)
Ground emery	114	121	(a)
Denmark—			
Emery, etc.	77	55	66
Pumice stone	129	114	81
Finland (d)—			
Emery	462	153	(a)
Pumice	54	19	(a)
Tripoli, etc.	742	10	(a)

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
France—			
Corundum	69	1	86
Powdered emery	80	85	199
Pumice stone	3,816	2,664	4,569
Germany—			
Emery	(a)	(a)	2,410
Pumice and tripoli	1,495	(g) 1,034	2,302
Netherlands—			
Emery	368	743	638
Sweden—			
Emery	307	227	144
Rottenstone	439	108	200
Carborundum, etc.	64	47	38
Switzerland—			
Emery and carborundum	201	144	28
Tunis (d)—			
Emery	19	15	20
United States—			
Crude and manufactured corundum	3,374	1,496	2,674
Emery	5,398	5,181	2,623
Rottenstone and tripoli	831	430	156
Brazil (d)—			
Emery and glass powder	109	37	61
Chile—			
Emery	13	8	8
Pumice stone	12	10	8
Peru—			
Emery powder (h)	28	12	11
Emery stone and pumice stone and powder	42	39	48
China—			
Emery and corundum in powder, cloth or paper	(£41,831)	(£38,882)	(£42,704)

(a) Information not available.

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

(c) Excess of re-exports.

(d) Total imports.

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

(f) Total imports, excluding transit trade.

(g) Eight months only, May–December.

(h) Including graphite.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Northern Ireland	11,020	2,269	5,859
British Guiana	22,084	19,694	—
India	3,932	6,652	4,919
New South Wales	—	—	(b)
Total ..	37,036	28,615	10,800
FOREIGN COUNTRIES			
Austria	356	2,596	4,029
France	262,429	83,577	136,939
Germany	13,200	(a)	(a)
Italy	12,928	48,330	65,396
Jugoslavia	(c)	(c)	32,107
Rumania	—	—	3,677
Spain	531	181	—
United States	521,308	139,550	309,600
Dutch Guiana	—	(a)	(d) 12,834
Total ..	820,000	300,000	580,000
WORLD'S TOTAL	860,000	330,000	590,000

(a) Information not available.

(b) Small quantities were produced for experimental purposes.

(c) 27,000 long tons were produced in Dalmatia from the end of 1918 to 1921.

(d) Exports.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND.

Year	Long tons
1920	13,704
1921	11,136
1922	8,552

PRODUCTION OF ALUMINIUM (a)
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	8,000	5,000	7,000
Canada	10,000	3,000	9,000
Total ..	18,000	8,000	16,000
FOREIGN COUNTRIES			
Austria	3,000	3,000	4,000
France	(b) 12,106	6,000	12,000
Germany	15,000	14,000	11,000
Italy (b)	1,218	732	797
Norway	7,000	5,000	6,000
Switzerland	10,000	6,000	12,000
United States	88,000	28,000	51,000
Total ..	136,000	63,000	97,000
WORLD'S TOTAL	154,000	71,000	113,000

(a) Estimated.

(b) Official figures.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Alumina	6,907	407	3,548
Ingots, blocks, billets, notch- bars, sticks, wirebar, slabs, alloy and scrap	9,542	3,190	5,026
Plates, sheets, bars, sections, tubes, wire, strand, etc. ..	3,527	1,058	1,326
Canada (b)—			
Blocks, bars, etc.	6,252	2,692	6,480
British Guiana—			
Bauxite	29,399	12,384	—
FOREIGN COUNTRIES			
Austria (f)—			
Crude aluminium (c)	593	492	(a)

EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Belgium—			
Crude aluminium	67	47	(g) 255
Beaten, rolled or drawn aluminium	10	11	(g) 13
Czechoslovakia (h)—			
Cryolite	59	23	(a)
Denmark—			
Refined cryolite	7,163	2,554	6,645
France—			
Bauxite, etc.	128,290	40,473	164,396
Ingots or scrap	1,213	308	1,810
Beaten, rolled or drawn aluminium, also wire and powder	1,382	277	210
Germany—			
Crude aluminium and scrap ..	2,894	(e) 700	441
Beaten or rolled aluminium and castings	1,322	(e) 1,071	2,311
Italy—			
Crude aluminium (d)	549	1,300	339
Sheets, bars, and tubes (d) ..	123	18	10
Netherlands—			
Crude aluminium and scrap ..	65	55	310
Norway—			
Ingots	} 5,527	{ 6,166	6,078
Sheets .. ..				42	139
Sweden—			
Crude aluminium	2	16	2
Sheets and strips	45	1	1
Switzerland—			
Blocks, ingots, etc., and scrap—			
Pure	4,683	6,514	6,086
Alloyed	237	313	960
Bars, sheets, tubes and wire ..	521	1,174	1,377
Greenland—			
Cryolite	13,704	11,136	8,552
United States—			
Bauxite concentrates	22,257	5,942	19,617
Ingots and alloys	3,295	470	687
Plates and sheets	904	511	1,254

(a) Information not available.

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

(c) Including crude magnesium.

(d) Including aluminium-copper alloys.

(e) Eight months only, May–December.

(f) Total exports, excluding transit trade.

(g) Figures refer to Belgium-Luxemburg Economic Union.

(h) Total exports.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Alumina	10,165	116	179
Ingots, blocks, billets, notchbars, sticks, wirebar, slabs, alloy and scrap	6,577	827	821
Plates, sheets, bars, sections, tubes, wire, strand, etc. ..	907	619	1,389
Canada (b)—			
Cryolite	772	96	618
Alumina	52,737	7,346	34,748
Ingots, blocks, bars, rods, strips, sheets and plates	737	309	460
Tubes	8	7	20
Leaf and foil	(£38,598)	(£33,608)	(£40,216)
India (b) (l)—			
Ingots, blocks, bars, etc. ..	907	154	460
Circles	1,562	1,657	2,867
Sheets	449	156	147
Australia (d)—			
Pigs, ingots, blocks, bars, powder and scrap	26	94	66
Rods, strips, sheets, plates, pipes or tubes	36	133	61
FOREIGN COUNTRIES			
Austria (i)—			
Crude aluminium (e)	268	327	(a)
Belgium—			
Crude aluminium	379	360	(c) 506
Sheets	38	35	(c) 61
Simply cast aluminium	12	4	(c) 4
Beaten, rolled or drawn aluminium	139	199	(c) 283
Czechoslovakia (g)—			
Cryolite	103	94	(a)
Sheet and plates	18	20	(a)

IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description	1920	1921	1922	
FOREIGN COUNTRIES (Cont.)				
Denmark—				
Crude cryolite	8,380	6,020	4,918	
Crude aluminium	9	9	61	
Leaf	23	4	11	
France—				
Ingots and scrap	1,264	211	306	
Beaten, rolled or drawn aluminium, also wire and powder	111	184	111	
Germany—				
Crude aluminium and scrap ..	7,696	(h) 1,312	3,610	
Beaten or rolled aluminium and castings	90	(h) 15	15	
Greece—				
Aluminium	92	82	36	
Italy—				
Crude aluminium (k)	510	11	122	
Sheets, bars and tubes (k) ..	69	85	100	
Netherlands—				
Crude aluminium and scrap ..	270	251	98	
Norway—				
Bauxite	} 4,525	{ 2	(109j)	
Cryolite			(983j)	711
Alumina			12,063	11,604
Crude aluminium			(f)	1
Spain (g)—				
Lumps and ingots	81	116	112	
Bars, sheets, tubes and wire ..	169	1,301	412	
Sweden—				
Crude aluminium ¶	655	51	327	
Sheets and strips	128	69	38	
Switzerland—				
Blocks, ingots, etc., and scrap—				
Pure	942	655	36	
Alloyed	125	42	57	
Bars, sheets, tubes and wire ..	534	202	40	
United States—				
Crude bauxite and common blue clay	48,961	31,262	27,448	
Cryolite	3,864	3,460	3,899	
Alumina	1	(f)	120	
Crude aluminium, scrap, etc. ..	17,828	13,614	17,760	

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

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Argentina—			
Ingots and sheets	32	77	70
Brazil (<i>g</i>)—			
Bars, sheets and wire	134	142	96
Chile—			
Bars and sheets	13	29	30
Japan (<i>g</i>)—			
Cryolite	798	15	305
Aluminium	1,937	1,810	3,934

- (*a*) Information not available.
(*b*) Years ended 31st March of the year following that stated.
(*c*) Figures refer to Belgium-Luxemburg Economic Union.
(*d*) Years ended 30th June of the year stated.
(*e*) Including crude magnesium.
(*f*) Less than $\frac{1}{2}$ ton.
(*g*) Total imports.
(*h*) Eight months only, May–December.
(*i*) Total imports, excluding transit trade.
(*j*) Excess of re-exports.
(*k*) Including aluminium-copper alloys.
(*l*) Overseas trade only.

ANTIMONY**PRODUCTION OF ANTIMONY ORE***(In terms of metal)**(Long tons)*

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Southern Rhodesia (a) ..	10	—	—
India (a)	—	2	—
Australia	600	240	1,188
Total ..	600	240	1,188
FOREIGN COUNTRIES			
Austria	—	—	172
Czechoslovakia	603	(b)	(b)
France	1,390	1,100	800
Greece	60	—	(b)
Hungary	309	(b)	(b)
Italy	230	93	180
Algeria (a) (c)	2,918	315	1,619
Mexico	613	44	457
United States	—	—	4
Argentina	49	(b)	(b)
Bolivia (d)	578	336	—
Peru	10	9	(b)
Asia Minor (e)	400	400	400
China (c)—			
Ore	1,330	1,158	1,815
Crude antimony	4,484	2,494	1,579
Regulus	9,572	12,466	11,966
Total ..	20,000	18,000	18,000
WORLD'S TOTAL	21,000	18,000	19,000

(a) Ore.

(b) Information not available.

(c) Exports.

(d) Antimony content of ore exported.

(e) Approximate production.

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

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Regulus	774	773	565
Nigeria—			
Metal	1	(e)	(e)
Hong Kong (b)—			
Ore	673	246	177
Regulus and crude	316	95	542
Antifriction metal	8	17	13
Australia (c)—			
Ore	3,450	463	712
Regulus and antimony-lead alloys (£ Australian)	(£1,692)	(£1,773)	(£2,985)
FOREIGN COUNTRIES			
Czechoslovakia (b)—			
Regulus	19	(e)	(a)
Metal	209	436	(a)
France—			
Ore	899	941	3
Regulus and crude	1,164	326	479
Italy—			
Regulus	935	188	97
Netherlands—			
Regulus	30	37	18
Sweden—			
Ore	4	2	—
Algeria—			
Ore	2,918	315	1,619
Bolivia—			
Ore (d)	578	336	(a)
Peru—			
Ore	13	(a)	(a)
China—			
Ore	1,330	1,158	1,815
Crude antimony	4,484	2,494	1,579
Regulus	9,572	12,466	11,966
Japan—			
Regulus	820	136	127

(a) Information not available.

(b) Total exports.

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

(d) Antimony content.

(e) Less than $\frac{1}{2}$ ton.

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude	5,776	496	1,023
Regulus	1,778	303	1,706
Canada (a)—			
Regulus	358	302	260
Hong Kong (f)—			
Ore	13	245	193
Regulus and crude	4	52	343
Antifriction metal	255	19	28
India (a) (b)—			
Antifriction metal	142	89	221
Australia (c)—			
Antimony sulphide	43	5	3
Regulus and antimony-lead alloys (f <i>Australian</i>)	(£13,921)	(£12,498)	(£9,489)
FOREIGN COUNTRIES			
Czechoslovakia (f)—			
Regulus	36	26	(g)
Metal	31	14	(g)
Denmark—			
Regulus and manufactures ..	16	15	24
France—			
Ore	4,138	(e)	1,428
Regulus and crude	813	347	520
Germany—			
Ore, including crude	1,022	(d) 1,569	2,670
Regulus and scrap	1,349	(d) 2,100	2,417
Italy—			
Regulus	288	81	91
Netherlands—			
Regulus	180	124	45
Norway—			
Regulus	29	13	20

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

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Portugal—			
Regulus and crude	41	(g)	(g)
Sweden—			
Ore	169	4	84
Switzerland—			
Antimony sulphide	46	66	69
United States—			
Ore	1,526	190	(g)
Regulus and crude	10,737	9,309	7,905
Japan—			
Regulus	869	1,373	1,219

- (a) Years ended 31st March of the year following that stated.
 (b) Overseas trade only.
 (c) Years ended 30th June of the year stated.
 (d) Year ended 30th April, 1922.
 (e) Less than $\frac{1}{2}$ ton.
 (f) Total imports.
 (g) Information not available.

ARSENIC

PRODUCTION OF ARSENIC

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Arsenical pyrites	1,178	—	354
White arsenic and arsenic soot	1,997	1,032	978
Southern Rhodesia—			
Ore	390	323	444
Union of South Africa—			
White arsenic	10	2	3
Canada (b)—			
Arsenic in gold concentrates ..	561	—	462
White arsenic	1,635	1,331	1,838
Australia—			
Arsenical pyrites	1,765	7	—
White arsenic	375	617	691
FOREIGN COUNTRIES			
Belgium—			
White arsenic	—	—	992
France—			
Ore (realgar)	275	577	926
White arsenic	596	(c)	(c)
Germany (Prussia)—			
Ore	5,912	6,793	(c)
Greece—			
White arsenic	840	630	(d) 900
Italy—			
Ore	—	59	440
Portugal—			
Ore	61	11	(c)
Mostly white arsenic	643	264	(c)
Spain—			
Arsenical pyrites	984	—	—
White arsenic	75	—	—
United States (b)—			
White arsenic	(e) 10,270	(e) 4,273	8,953

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Mexico—			
White arsenic	2,058	772	268
China (<i>a</i>)—			
Ore (realgar)	465	254	540
White arsenic	49	98	29
Japan—			
Ore	2,134	1,483	2,007
White arsenic	916	1,371	2,260
Turkey—			
Ore	14	(<i>c</i>)	(<i>c</i>)

(*a*) Exports.

(*b*) Sales.

(*c*) Information not available.

(*d*) Production of the Compagnie Française du Laurium during its working year.

(*e*) Including crude arsenic trioxide as follows:—500 long tons in 1920 and 1,213 long tons in 1921.

EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic	91	4	(d)
White arsenic	618	71	203
Other compounds of arsenic ..	90	86	64
Southern Rhodesia—			
White arsenic	196	227	213
Canada (b)—			
Metallic arsenic	—	—	318
White arsenic	918	1,039	1,097
Hong Kong (c)—			
White arsenic, etc.	44	47	27
India (b) (e)—			
White arsenic, etc.	2	9	8
FOREIGN COUNTRIES			
Czechoslovakia (c)—			
Metallic arsenic	1	1	(a)
France—			
Ore	(d)	(d)	95
Sulphide of arsenic	62	14	5
White arsenic	37	8	117
Arsenates	76	29	74
China—			
Realgar	465	254	540
White arsenic, etc.	49	98	29

(a) Information not available.

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

(c) Total exports.

(d) Less than $\frac{1}{2}$ ton.

(e) Overseas trade only.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic	102	119	26
White arsenic	2,450	1,089	1,943
Other compounds of arsenic ..	56	40	145
Union of South Africa—			
Sodium arsenate	478	408	577
Canada (c)—			
Sulphide of arsenic	158	6	236
White arsenic	(b)	1	266
Hong Kong (d)—			
Arsenic	2	2	—
India (c) (e)—			
Arsenic and its oxides	70	53	30
New Zealand—			
White arsenic, etc.	47	20	32
Arsenates	27	9	18
FOREIGN COUNTRIES			
Czechoslovakia (d)—			
Metallic arsenic	8	6	(a)
White arsenic	29	89	(a)
France—			
Sulphide of arsenic	31	19	49
Metallic arsenic	19	3	27
White arsenic	730	378	161
Sodium arsenate	15	1	6
Italy—			
Metallic arsenic	11	2	11
White arsenic	203	114	153
Portugal—			
White arsenic	19	(a)	(a)
Egypt—			
White arsenic, etc.	2	1	3
United States—			
White arsenic, etc.	3,637	2,974	3,406
Argentina—			
White arsenic, etc.	456	416	317

(a) Information not available.

(b) Less than $\frac{1}{2}$ ton.

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

(d) Total imports.

(e) Overseas trade only.

ASBESTOS

PRODUCTION OF ASBESTOS

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Southern Rhodesia ..	16,806	17,437	12,722
Union of South Africa ..	6,147	4,810	1,489
Canada (a)	151,291	110,158	141,092
Cyprus	(b) 896	(b) 897	2,285
India	1,818	316	242
Australia	826	1,182	743
New Zealand	2	(c)	—
Total ..	177,786	134,800	158,573
FOREIGN COUNTRIES			
France	438	(d)	(d)
Germany (Bavaria) ..	28	(d)	(d)
Italy	163	413	530
Russia	(e) 1,603	(e) 9,671	5,065
Spain	—	19	5
Madagascar	1	—	—
United States (f) ..	1,471	742	24
Brazil (b)	1	—	—
Venezuela (b)	1	—	(d)
China (b)	5	1	—
Total ..	3,800	11,000	6,000
WORLD'S TOTAL	181,600	146,000	165,000

(a) In addition, sales of actinolite were 89 long tons, 70 long tons, and 45 long tons during the three years, respectively.

(b) Exports.

(c) Less than $\frac{1}{2}$ ton.

(d) Information not available.

(e) Including asbestos board and other manufactures.

(f) Sales.

EXPORTS OF ASBESTOS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Raw asbestos and fibre	196	148	88
Asbestos waste, including asbestic	22	3	3
Southern Rhodesia—			
Raw asbestos	13,627	16,413	12,352
Union of South Africa—			
Raw asbestos	7,448	4,421	8,009
Canada (b)—			
Asbestos	137,636	56,506	98,514
Asbestos sand (<i>i.e.</i> , short fibre) and waste	33,167	21,827	54,687
Cyprus—			
Asbestos	896	897	200
Hong Kong (d)—			
Asbestos	(£5,116)	(£2,516)	(£1,617)
FOREIGN COUNTRIES			
Czechoslovakia (d)—			
Asbestos	1	20	94
Germany—			
Raw asbestos and fibre	206	(c) 223	298
Italy—			
Asbestos	289	303	312
Netherlands—			
Asbestos	109	107	8
Russia (d)—			
Asbestos	—	3,336	(a)
Sweden—			
Unmanufactured asbestos	87	3	9
Switzerland—			
Raw asbestos and mica	15	50	27
United States—			
Raw and unmanufactured asbestos	549	464	336
Brazil—			
Asbestos	1	—	—
Chile—			
Prepared asbestos	2	4	(e)
Venezuela—			
Asbestos	1	—	(a)
China—			
Asbestos	5	1	—

(a) Information not available.

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

(c) Eight months only, May–December.

(d) Total exports.

(e) Less than $\frac{1}{2}$ ton.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Raw asbestos and fibre ..	20,782	16,029	9,340
Asbestos waste, including asbestic	174	216	407
Canada (b)—			
Asbestos packing	—	63	63
Newfoundland (d)—			
Asbestos	(£1,170)	(£1,102)	(£716)
Hong Kong (c)—			
Asbestos	(£27,700)	(£25,869)	(£23,065)
New Zealand—			
Asbestos in sheets, slates and tiles (Number)	(1,713,468)	(1,034,233)	(223,555)
FOREIGN COUNTRIES			
Austria (e)—			
Asbestos	926	1,523	2,754
Czechoslovakia (c)—			
Asbestos	509	1,848	1,467
Denmark—			
Asbestos	131	128	108
Finland (c)—			
Ground asbestos, including mica	24	25	(a)
Germany—			
Raw asbestos and fibre ..	6,720	(f) 2,964	8,381
Italy—			
Asbestos	3,904	1,444	1,085
Netherlands—			
Asbestos	1,250	410	70
Norway—			
Asbestos	375	200	207
Poland (c)—			
Asbestos	237	724	(a)
Rumania (c)—			
Raw asbestos	14	(a)	(a)
Asbestos in sheets, etc. ..	272	(a)	(a)
Asbestos plates	152	(a)	(a)
Spain (c)—			
Unmanufactured asbestos ..	1,119	897	1,348
Sweden—			
Unmanufactured asbestos ..	418	156	197

IMPORTS OF ASBESTOS (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland—			
Raw asbestos and mica ..	2,229	1,579	954
Egypt—			
Asbestos	292	180	132
United States—			
Unmanufactured asbestos ..	148,454	64,502	133,225
Argentina—			
Asbestos	697	477	365
Brazil (c)—			
Asbestos	202	52	11
Chile—			
Raw asbestos	35	24	7
Prepared asbestos	213	202	96
Peru—			
Asbestos in pieces, powder, fibre or cement	141	55	245
China—			
Asbestos	(£93,504)	(£53,441)	(£31,940)
Japan (c)—			
Asbestos in lumps, powder or fibre	4,887	2,191	3,271

(a) Information not available.

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

(c) Total imports.

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

(e) Total imports, excluding transit trade.

(f) Eight months only, May–December.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	64,150	24,669	(a) 40,949
Canada (b)	671	241	258
India	678	1,691	2,392
Australia	3,812	1,469	1,897
FOREIGN COUNTRIES			
Austria	—	2,047	2,106
Belgium	14,995	16,776	1,456
France	18,480	(c)	(c)
Germany—			
Bavaria	7,761	(c)	(c)
Prussia	102,305	83,950	(c)
Italy	15,130	13,280	20,960
Russia	323	(c)	(c)
Spain	13,552	(d) 895	(d) 2,042
United States (e)	203,672	59,258	138,429

(a) Excluding Irish Free State.

(b) Sales. Records of output are only available for 1921, in which year 379 long tons were mined.

(c) Information not available.

(d) In addition, 2,500 cubic yards and 1,600 cubic yards of barytes were produced from quarries during 1921 and 1922, respectively.

(e) Sales.

EXPORTS OF BARIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	324	30	1,127
Ground barytes	719	464	3,283
Barium dioxide.. ..	356	100	294
Other compounds of barium ..	1,981	534	2,695
FOREIGN COUNTRIES			
Austria (b)—			
Barytes	305	484	(a)
Barium salts	141	142	(a)
Czechoslovakia (c)—			
Barium chloride	2,044	2,143	2,685
Denmark—			
Barium chloride	7	—	—
France—			
Barytes	254	96	480
Precipitated barium sulphate, etc.	486	417	826
Witherite	4	31	3
Precipitated barium carbonate	17	24	10
Barium chloride	596	714	829
Barium nitrate	1	4	1
Barium sulphide	1	1	5
Barium dioxide.. ..	(e)	133	387
Germany—			
Barytes and celestite	90,790	(d) 29,613	107,047
Italy—			
Barium sulphate	4,229	367	532
Barium carbonate	11	10	(e)
Netherlands—			
Barytes	329	8	106
Sweden—			
Barytes	20	—	12

(a) Information not available.

(b) Total exports, excluding transit trade.

(c) Total exports.

(d) Eight months only, May–December.

(e) Less than $\frac{1}{2}$ ton.

IMPORTS OF BARIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Unground barytes	2,663	875	4,929
Ground barytes.. .. .	29,060	14,710	29,316
Barium dioxide.. .. .	292	517	991
Other compounds of barium ..	273	916	356
Canada (b)—			
Barytes	2,200	1,799	2,328
Barium dioxide.. .. .	68	55	65
India (b) (f)—			
Barytes	246	46	104
Australia (d)—			
Barytes	5	2	6
FOREIGN COUNTRIES			
Austria (e)—			
Barytes	999	1,490	(a)
Barium salts	219	271	(a)
Czechoslovakia (c)—			
Crude barytes	9,017	6,070	(a)
Ground barytes	2,815	2,693	(a)
Barium carbonate	175	168	(a)
Barium sulphide	1	1	(a)
Denmark—			
Barytes and permanent white..	344	177	282
Barium chloride	36	9	3
Finland (c)—			
Barytes	281	323	(a)
Barium chloride	46	29	(a)
France—			
Barytes	12,361	4,967	5,598
Precipitated barium sulphate, etc.	1,503	396	640
Witherite	444	752	999
Precipitated barium carbonate	1,890	1,324	5,142
Barium chloride	1,415	693	2,259
Barium nitrate	2	1	15
Barium sulphide	93	448	967
Barium dioxide.. .. .	636	48	7

IMPORTS OF BARIUM MINERALS (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Germany—			
Barytes and celestite	354	(g) 4,494	6,311
Italy—			
Barium sulphate	1,520	587	931
Barium carbonate	46	1	—
Netherlands—			
Barytes	18,126	4,739	33,238
Poland (c)—			
Barium sulphate	1,587	(h) 2,958	(a)
Rumania (c)—			
Barium sulphate	20	(a)	(a)
Barium chloride	266	(a)	(a)
Sweden—			
Barytes	944	409	659
Egypt—			
Barytes	—	4	1
Argentina—			
Barytes	1,880	1,048	597
Permanent white	3	24	191
Chile—			
Barium salts	—	9	48

(a) Information not available.

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

(c) Total imports.

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

(e) Total imports, excluding transit trade.

(f) Overseas trade only.

(g) Eight months only, May–December.

(h) Including strontianite.

BISMUTHPRODUCTION OF BISMUTH
(Cwt.)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
Northern Rhodesia—			
Ore	24	—	—
Australia—			
Ore and metal	1,541	161	136
Bismuth-wolfram concentrates	981	—	—
FOREIGN COUNTRIES			
Germany (Saxony)—			
Bismuth ore	605	835	(a)
Bismuth-cobalt-nickel ore ..	2,583	2,634	(a)
Spain—			
Ore	1,049	1,023	963
Metal	492	433	187
United States (b)—			
Metal	2,230	2,070	(d)
Bolivia (c)—			
Ore	3,011	471	2,263
Concentrates	532	93	236
Metal	3,828	—	2,735
Residuum	1,243	—	787
Peru (c)—			
Metal	153	—	128
China (c)—			
Ore	1,780	2,372	1,094
Japan—			
Ore	4	14	51

(a) Information not available.

(b) Approximate sales.

(c) Exports.

(d) Figure not available, but production is officially stated to have been greater than that of 1921.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Metallic bismuth	113	87	113
Australia (b)—			
Bismuth ore	224	25	2

EXPORTS OF BISMUTH, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
France—			
Bismuth	3	(c)	1
Bismuth salts	74	36	38
Bolivia—			
Ore	151	24	113
Concentrates	27	5	12
Metallic bismuth	192	—	137
Residuum	62	—	39
Peru—			
Metallic bismuth	8	(a)	(a)
China—			
Ore	89	119	55

(a) Information not available.

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

(c) Less than $\frac{1}{2}$ ton.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Long-tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Bismuth ore	485	188	178
Metallic bismuth	3	27	102
Canada (b)—			
Metallic bismuth	2	2	1
Bismuth salts	(£8,043)	(£7,269)	(£8,142)
Australia (c)—			
Bismuth salts	3	5	6
FOREIGN COUNTRIES			
France—			
Bismuth	65	35	55
United States—			
Bismuth	32	42	54
Japan (a)—			
Bismuth	52	54	19

(a) Total imports.

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

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

BORATES

PRODUCTION OF BORATES
(Long tons)

Producing Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Germany (Prussia)—			
Boracite	88	74	(a)
Italy—			
Crude boric acid	1,691	2,451	2,409
United States—			
Crude borates (b)	107,429	44,643	76,089
Refined borax (c)	31,501	17,955	(a)
Argentina (d)—			
Borate of calcium	1,583	2,588	1,704
Chile—			
Borate of calcium	15,569	17,259	48,687
Peru—			
Borates	257	398	(d) 546
Asia Minor—			
Borates	12,482	9,521	(a)

- (a) Information not available.
 (b) Including naturally occurring borax.
 (c) Sales.
 (d) Exports.

EXPORTS OF BORATES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Borate of calcium	47	5	5
Borax	8,617	5,335	8,677
Boric acid	994	1,194	1,012
Union of South Africa—			
Borax	(b)	(b)	—
Hong Kong (c)—			
Borax	143	146	145
India (d)—			
By land (c)—Borax	1	—	(b)
By sea—Borax	259	273	160

EXPORTS OF BORATES (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Czechoslovakia (c)—			
Crude borax	(b)	30	(a)
Refined borax	23	7	(a)
Crude boric acid	1	1	(a)
Refined boric acid	(b)	1	(a)
Denmark—			
Borax and boric acid	2	2	4
France—			
Crude borax	224	68	58
Refined borax	1,404	1,451	1,187
Manganese borate	20	10	1
Sodium perborate	23	28	1
Natural boric acid of Tuscany .	226	10	34
Other boric acid	556	1,380	1,164
Germany—			
Borax	(a)	(a)	1,362
Italy—			
Borax	35	10	2
Boric acid	1,222	1,356	1,408
Netherlands—			
Borax	166	29	28
Sweden			
Borax	3	(b)	(b)
Boric acid	(b)	1	(b)
Switzerland—			
Borax	—	5	—
United States—			
Borax	6,395	1,813	7,880
Argentina—			
Borate of calcium	1,583	2,588	1,704
Chile—			
Borate of calcium	18,542	17,258	29,672
Peru—			
Borates	260	503	546

(a) Information not available.

(b) Less than $\frac{1}{2}$ ton.

(c) Total exports.

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

IMPORTS OF BORATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Borate of calcium	21,990	12,442	20,928
Borax	111	702	1,620
Boric acid	1,747	1,135	796
Southern Rhodesia—			
Borax	18	24	26
South-West Africa Territory—			
Borax	1	1	(b)
Union of South Africa—			
Borax	273	128	149
Canada (d)—			
Borax in bulk	1,192	993	1,278
Boric acid, in packages of not less than 25 pounds	162	212	241
Hong Kong (e)—			
Borax	195	203	284
India (d)—			
By land (e)—Borax	943	1,111	1,075
By sea—Borax and boric acid .	608	226	592
Australia (g)—			
Borax	261	798	579
Boric acid	134	270	437
New Zealand—			
Borax	115	122	190
FOREIGN COUNTRIES			
Austria (f)—			
Borax	440	352	(a)
Czechoslovakia (e)—			
Crude borax	339	386	(a)
Refined borax	849	191	248
Crude boric acid	10	1	(a)
Refined boric acid	99	83	(a)
Denmark—			
Borates of calcium and magne- sium	388	473	139
Borax and boric acid	84	38	29
Finland (e)—			
Borax	63	56	(a)
Boric acid	40	16	(a)
France—			
Crude borax	5,866	3,434	7,960
Refined borax	447	55	25
Manganese borate	37	7	12

IMPORTS OF BORATES (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
France (Cont.)—			
Sodium perborate	(b)	9	31
Natural boric acid of Tuscany	212	(b)	—
Other boric acid	73	34	45
Germany—			
Borates of calcium and sodium	2,220	(c) 3,846	12,418
Borax	(a)	(a)	4,351
Italy—			
Borax	1,281	220	281
Boric acid	13	4	1
Netherlands—			
Borax	1,016	715	873
Norway—			
Borax	104	59	89
Portugal—			
Borax	323	(a)	(a)
Rumania (e)—			
Borax	116	(a)	(a)
Boric acid	15	(a)	(a)
Sweden—			
Borax	491	171	359
Boric acid	120	95	100
Switzerland—			
Borax	318	85	232
Egypt—			
Borax	35	27	39
Tunis (e)—			
Borax	5	5	4
United States—			
Borax	14	(b)	3,060
Argentina—			
Borate and peroxide of man- ganese	42	43	52
Borax	64	34	28
Boric acid	43	42	19
Chile—			
Borax	55	24	80
Boric acid	20	4	4
Japan (e)—			
Borax	3,510	433	2,636
Boric acid	679	674	512

(a) Information not available.

(b) Less than $\frac{1}{2}$ ton.

(c) Eight months only, May–December.

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

(e) Total imports.

(f) Total imports, excluding transit trade.

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

CADMIUM

PRODUCTION OF CADMIUM

(Lb. avdp.)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES			
Upper Silesia	45,971	47,487	54,609
United States—			
Metallic cadmium ..	129,283	65,101	131,590
Cadmium sulphide ..	32,133	65,446	134,774

EXPORTS OF CADMIUM

(*Domestic Produce*)

(Lb. avdp.)

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	3,327	2,884	2,430
FOREIGN COUNTRIES			
France	220	—	—

IMPORTS OF CADMIUM

(Less Re-exports)

(Lb. avdp.)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	20,822	9,363	35,210
FOREIGN COUNTRIES			
France	44,521	9,477	24,244
United States	(a)	101	2,240
Chile (b)	9	35	18

(a) Information not available.*(b)* Cadmium salts.

CHINA CLAY

PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	777,511	435,844	666,834
Canada	610	111	1,069
Federated Malay States ..	(a)	(a)	(a)
Australia (b)	5,600	4,600	5,500
Total (k) ..	783,700	440,600	673,400
FOREIGN COUNTRIES			
Austria	(c)	7,700	(c)
Belgium (d)	1,013	689	2,863
Denmark (e)	17,522	4,018	4,823
France (f)	63,673	(c)	(c)
Germany—			
Bavaria	191,359	222,987	(c)
Saxony (g)	48,017	51,197	(c)
Italy	19,011	9,825	7,563
Rumania (h)	—	4,500	5,180
Russia	16	(c)	(c)
Spain	935	(i) 1,421	(i) 11,434
Sweden	4,667	—	—
Algeria	354	(c)	(c)
United States (j)	239,467	145,291	245,500
Chile	640	650	(c)
Korea	1,635	(c)	(c)
Total ..	420,000	440,000	450,000
WORLD'S TOTAL	1,200,000	880,000	1,120,000

(a) Production of china clay was commenced in the Federated Malay States during 1920, but information regarding output is not available.

(b) Approximate production.

(c) Information not available.

(d) "Eurite" and kaolin.

(e) Exports.

(f) Including kaolinic sand and felspar.

(g) Crude kaolin and washed kaolin.

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

(i) Including 543 cubic metres and 5,702 cubic metres produced in quarries during 1921 and 1922, respectively, converted at the rate of 1 cubic metre = 2 long tons. Production from quarries was not reported in 1920.

(j) Sales of china clay and "paper clay."

(k) Excluding Federated Malay States.

EXPORTS OF CHINA CLAY
(Domestic Produce)
(Long tons)

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	495,802	246,682	503,488
FOREIGN COUNTRIES			
Austria (b)	362	751	(e)
Czechoslovakia (c) ..	179,322	173,383	214,961
Denmark—			
Crude china clay ..	133	—	—
Refined china clay ..	17,389	4,018	4,823
France	2,451	1,974	1,760
Germany	30,711	(d) 16,261	34,102
Italy	61	7	11
Sweden	1,342	166	320
Switzerland (f)	5,937	3,655	3,975

(a) Including Cornish or china stone.

(b) Total exports, excluding transit trade.

(c) Total exports.

(d) Eight months only, May–December.

(e) Information not available.

(f) Including fireclay, potters' clay, infusorial earth and raw mineral earths.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	964	1,349	474
Canada (b)	12,081	7,438	11,972
India (b) (f)	22,286	14,895	15,144
FOREIGN COUNTRIES			
Austria (c)	13,811	17,711	(g)
Czechoslovakia (d) ..	662	657	(g)
Denmark—			
Crude china clay ..	3,955	2,926	4,637
Refined china clay ..	25	66	531
Finland (d)	9,726	6,470	(g)
France	41,791	25,859	60,179
Germany	128,995	(e) 90,060	186,404
Italy	20,764	16,283	17,890
Rumania (d)	61	(g)	(g)
Sweden	23,001	11,306	19,419
Switzerland (h)	45,559	22,037	31,900
United States	323,427	146,438	276,968
Argentina	747	1,129	532

(a) Including Cornish or china stone.

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

(c) Total imports, excluding transit trade.

(d) Total imports.

(e) Eight months only, May–December.

(f) Overseas trade only.

(g) Information not available.

(h) Including fireclay, potters' clay, infusorial earth and raw mineral earths.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	1,100	—	595
Southern Rhodesia	53,812	44,811	83,460
Union of South Africa	—	1,061	86
Canada (b)	9,836	2,498	685
India	26,801	34,762	22,777
Australia	1,618	62	529
Total ..	93,167	83,194	108,132
FOREIGN COUNTRIES			
Greece	7,263	7,900	(d) 7,500
Jugoslavia	(e)	(e)	16
Rumania	—	—	30
Russia	2,926	3,694	(d) 1,500
Cuba (f)	710	600	1
Guatemala (f)	1,122	401	—
United States (a)	2,502	282	355
Brazil (f)	3,451	—	—
Asia Minor (d)	25,000	(e)	2,500
Japan	3,907	3,316	3,696
New Caledonia	73,123	(c) 28,986	(c) 10,548
Total ..	120,000	50,000	26,000
WORLD'S TOTAL	213,000	133,000	134,000

(a) Shipments.

(b) Shipments from mines. No chrome ore was mined in 1922.

(c) Exports.

(d) Approximate production.

(e) Information not available.

(f) Imports into the United States from the country specified.

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Chrome ore	286	195	47
Chromate and bichromate of potash	1,191	487	1,161
Chromate and bichromate of soda	3,906	1,586	2,051
Southern Rhodesia—			
Chrome ore	74,152	35,586	78,911
Canada (b)—			
Chrome ore	7,362	1,562	1,162
India (a) (b)—			
Chrome ore	37,043	24,474	52,471
FOREIGN COUNTRIES			
Denmark—			
Chromate of potash	5	15	25
France—			
Chromate and bichromate of potash and soda	189	34	16
Italy—			
Chromate and bichromate of potash and soda	6	(c) 13	(c) 37
Norway—			
Chrome ore	5	—	31
Ferro-chrome	1,657	520	1,304
Sweden—			
Chromate and bichromate of potash and soda	22	3	6
Chrome alum	156	43	56
New Caledonia and Dependencies—			
Chrome ore	90,065	28,986	10,548

(a) Overseas trade only.

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

(c) Including chromate and bichromate of ammonia.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Chrome ore	23,675	10,025	8,063
Chromate and bichromate of potash	62	28	66
Chromate and bichromate of soda	933	399	1,101
Canada (c)—			
Bichromate of potash	15	37	53
Bichromate of soda	550	393	608
India (b) (c)—			
Bichromate of potash	119	178	234
Bichromate of soda	378	709	378
Australia (d)—			
Chrome ore	818	(714 e)	41
Bichromate of potash	1	3	26
FOREIGN COUNTRIES			
Czechoslovakia (f)—			
Chrome ore	990	1,017	(a)
Denmark—			
Chromate of potash	53	7	9
Chromate of soda	149	7	11
Finland (f)—			
Chromate and bichromate of potash	91	31	(a)
Chromate and bichromate of soda	19	5	(a)
Chrome alum and sulphate of chromium	112	14	(a)
France—			
Chromate and bichromate of potash and soda	3,488	1,469	2,982
Italy—			
Chromate and bichromate of potash and soda	973	(a)	(g) 225
Norway—			
Chrome ore	3,419	4,350	1,967
Rumania (f)—			
Chromate and bichromate of potassium	34	(a)	(a)

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

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Sweden—			
Chromate and bichromate of potash and soda	274	38	108
Chrome alum	88	92	274
Egypt—			
Bichromate of potash and soda	240	213	276
United States—			
Chrome ore	150,275	81,836	90,081
Argentina—			
Bichromate of potash	29	20	56
Bichromate of soda	143	2	1
Chile—			
Bichromate of potash	(<i>h</i>) 42	54	120
Japan (<i>f</i>)—			
Bichromate of potash	242	319	1,416
Bichromate of soda	(<i>a</i>)	244	876

- (*a*) Information not available.
(*b*) Overseas trade only.
(*c*) Years ended 31st March of the year following that stated.
(*d*) Years ended 30th June of the year stated.
(*e*) Excess of re-exports.
(*f*) Total imports.
(*g*) Including chromate and bichromate of ammonia.
(*h*) Including caustic potash.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL
(Including Brown Coal)
(Thousands of long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	229,532	163,251	(a) 249,607
Nigeria	180	213	111
Southern Rhodesia .. .	517	513	460
Union of South Africa ..	10,750	10,645	9,126
Canada	15,131	13,444	13,533
British Borneo (Brunei) ..	28	27	19
Federated Malay States ..	248	299	282
India	17,962	19,303	19,011
Australia	12,968	12,878	12,299
New Zealand	1,844	1,809	1,858
Total	289,000	222,000	306,000
FOREIGN COUNTRIES			
Austria	2,501	2,574	3,249
Belgium	22,029	21,401	20,868
Bulgaria	739	897	1,005
Czechoslovakia	30,587	32,174	28,385
France (d)	34,114	37,934	43,118
Germany (e)	239,285	255,071	262,878
Greece	194	132	120
Hungary	4,877	6,021	7,004
Italy	1,696	1,125	926
Jugoslavia	2,706	2,902	3,660
Netherlands	5,251	3,978	4,525
Poland	6,553	7,716	(g) 24,011
Portugal (h)	166	134	(b)
Rumania	1,562	1,776	2,082
Russia (i)	7,525	8,400	(k) 9,457
Spain	5,877	5,334	4,689
Spitzbergen	127	170	310
Sweden	433	371	373
Switzerland	73	11	4
Algeria	8	9	9
Belgian Congo	2	3	(j) 30
Tunis	31	22	(f)
Greenland	2	2	(b)
Mexico	704	723	918
United States	587,737	452,139	425,849
Brazil (j)	400	400	400
Chile	1,046	1,255	1,030

PRODUCTION OF COAL (*Cont.*)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Peru	372	352	298
Venezuela	30	22	(b)
China	20,343	19,876	(j) 21,300
Dutch East Indies ..	1,078	1,193	1,020
Formosa	1,070	970	1,230
French Indo-China ..	689	906	973
Japan	28,775	25,799	27,420
Korea	284	(c) 128	(c) 111
Kwantung Peninsula ..	4,107	3,408	(b)
Philippine Islands ..	58	(b)	(b)
Turkey-in-Asia	(j) 700	(b)	670
Total ..	1,013,000	896,000	890,000
WORLD'S TOTAL	1,302,000	1,118,000	1,200,000

(a) Excluding Irish Free State.

(b) Information not available.

(c) Exports.

(d) Including Saar.

(e) Excluding Saar during each of the three years, and Polish Upper Silesia during June–December, 1922.

(f) Less than 500 long tons.

(g) Including Polish Upper Silesia during June–December, 1922.

(h) Domestic coal consumed in the country.

(i) Including Russia-in-Asia.

(j) Approximate production.

(k) Year ended 30th September, 1922.

PRODUCTION OF COKE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	20,918,576	11,374,110	(b) 19,898,407
Southern Rhodesia ..	93,033	114,479	107,663
Union of South Africa ..	19,363	23,841	37,798
Canada (c)	1,166,646	(d)	(d)
Australia—			
New South Wales ..	567,569	592,097	240,229
Queensland	19,653	7,557	6,748

PRODUCTION OF COKE (Cont.)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES			
Belgium	1,805,902	1,380,068	2,804,082
Czechoslovakia	1,446,375	1,119,736	864,682
France (c)	(e) 1,733,109	(f) 1,939,002	(f) 1,263,261
Germany (g)	24,713,372	27,472,605	29,187,543
Italy (c)	94,189	23,475	165,254
Netherlands	136,753	224,931	243,340
Poland	(d)	(d)	1,308,000
Russia	(i) 10,000	102,387	(i) (j) 110,000
Spain	276,205	438,918	376,993
Sweden	199,033	153,007	204,233
Algeria	(h) 28,716	(d)	(d)
United States	45,843,788	22,578,234	32,612,500
China (k)	259,000	250,000	(d)

(a) Excluding coke used at gasworks.

(b) Great Britain and Isle of Man only.

(c) Metallurgical coke.

(d) Information not available.

(e) The sales of gas coke during 1920 amounted to 1,850,625 long tons.

(f) Including Saar.

(g) Excluding production of brown-coal coke; also excluding Saar during each of the three years, and Polish Upper Silesia during June-December, 1922.

(h) Sales of gas coke.

(i) Donetz Basin only.

(j) Approximate production.

(k) Produced at Pingshiang mines.

PRODUCTION OF COAL BRIQUETTES

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	2,435,311	1,064,204	(a) 1,332,232
FOREIGN COUNTRIES			
Belgium	2,800,620	2,633,660	2,457,214
Czechoslovakia—			
Coal briquettes	69,597	81,425	(b)
Brown-coal briquettes ..	160,881	174,554	(b)
France (c)	2,025,414	2,471,529	2,759,300

PRODUCTION OF COAL BRIQUETTES (*Cont.*)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Germany (<i>d</i>)—			
Coal briquettes ..	4,858,787	5,594,782	5,473,438
Brown-coal briquettes ..	23,883,370	27,789,111	28,992,586
Netherlands	623,742	575,860	616,364
Poland	(<i>b</i>)	(<i>b</i>)	195,000
Spain	730,476	721,212	665,021
Sweden	82,764	67,478	57,473
Algeria	30,370	(<i>b</i>)	(<i>b</i>)
United States	506,421	356,204	553,058
French Indo-China ..	54,675	(<i>b</i>)	30,444

(*a*) Great Britain and Isle of Man only.

(*b*) Information not available.

(*c*) Including Saar.

(*d*) Excluding Saar during each of the three years, and Polish Upper Silesia during June–December, 1922.

PRODUCTION OF COAL BY-PRODUCTS

Producing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Tar distilled	Long ton	1,568,323	1,053,253	(b) 1,359,165
Ammonium sulphate (mini- mum 24½ per cent. am- monia)	do.	397,937	253,253	(b) 351,142
Pitch	do.	740,763	405,817	(b) 514,236
Union of South Africa—				
Tar	Gallon	47,823	84,084	132,821
Ammonium sulphate ..	Long ton	2,512	948	225
Canada—				
Tar	Gallon	14,026,172	(a)	(a)
Ammonium sulphate ..	Long ton	17,798	(a)	(a)
Naphthalene	do.	1,290	486	(a)
Creosote oils	Gallon	4,402,960	2,530,158	(a)
Pitch	Long ton	25,323	18,365	(a)
Australia (c)—				
Tar	Gallon	2,456,960	1,890,485	706,148
Ammonium sulphate ..	Long ton	3,385	3,201	1,071
FOREIGN COUNTRIES				
Belgium—				
Tar	Long ton	25,456	(a)	82,627
Ammonium sulphate ..	do.	8,938	21,290	36,602
Benzol, 90 per cent. ..	do.	4,127	(a)	13,002
Naphthalene	do.	4,626	(a)	(a)
Creosote oil	do.	5,454	(a)	(a)
Czechoslovakia—				
Tar	Long ton	48,953	(a)	(a)
Ammonium sulphate ..	do.	17,329	(a)	(a)
Benzol	do.	9,267	(a)	(a)
Naphthalene	do.	790	(a)	(a)
Solvent naphtha	do.	1,254	(a)	(a)
Pitch	do.	2,782	(a)	(a)
Denmark—				
Ammonium sulphate ..	Long ton	1,900	(a)	(a)
France—				
Tar	Long ton	410,850	(a)	(a)
Ammonium sulphate ..	do.	56,654	51,000	64,000
Benzol	do.	10,041	(a)	(a)
Pitch	do.	64,115	(a)	(a)
Germany—				
Ammonia	Long ton	504,000	870,000	1,172,000
Benzol	do.	148,000	(a)	(a)
Italy—				
Tar	Long ton	3,493	1,712	4,086
Ammonium sulphate ..	do.	1,030	477	1,460

PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Netherlands—				
Ammonium sulphate ..	Long ton	10,811	11,771	(a)
Spain—				
Tar	Long ton	7,189	19,298	(e) 12,894
Ammonium sulphate ..	do.	2,172	23,571	(e) 3,505
Benzol	do.	1,183	1,954	1,806
Naphthalene	do.	116	177	(a)
Creosote	do.	623	414	(a)
Pitch	do.	1,975	1,821	(a)
Sweden—				
Tar	Long ton	12,336	10,262	13,847
Ammonium sulphate ..	do.	6,248	2,564	5,900
Benzol	do.	1,038	772	1,168
Algeria—				
Tar	Long ton	2,522	(a)	(a)
Ammonium sulphate ..	do.	183	(a)	(a)
United States—				
Tar	Gallon	300,553,437	210,876,374	273,149,778
Sulphate equivalent of ammonia produced ..	Long ton	419,163	293,304	333,158
Crude benzol	Gallon	7,289,643	1,245,274	2,221,814
Refined benzol	do.	14,147,963	4,093,442	8,682,921
Motor fuel	do.	48,037,885	40,044,068	47,521,416
Crude naphthalene ..	Long ton	5,021	1,262	2,727
Refined naphthalene ..	do.	1,304	51	808
Crude toluol	Gallon	239,285	22,107	31,799
Refined toluol	do.	2,258,874	785,818	1,629,266
Solvent naphtha	do.	4,732,104	3,185,647	2,486,549
Crude light oils (d) ..	do.	91,424,929	64,097,724	84,531,296
Japan—				
Ammonium sulphate ..	Long ton	150,666	168,336	(a)

(a) Information not available.

(b) Great Britain and Isle of Man only.

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

(d) The greater proportion of this production was refined to make the derived products listed.

(e) Incomplete figures.

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

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Coal exported—				
Anthracite—				
Small	Long ton	847,262	687,118	1,342,815
Through and through, unscreened ..	do.	2,165	564	—
Large	do.	791,763	775,986	1,177,460
Bituminous coal—				
Small	do.	6,581,209	6,118,113	17,407,380
Through and through, unscreened ..	do.	7,766,210	5,813,996	15,328,133
Large	do.	8,943,244	11,264,775	28,942,596
Coal shipped as bunkers ..	do.	13,840,360	10,926,444	18,259,027
Coke	do.	1,672,931	736,213	2,513,978
Manufactured fuel ..	do.	2,258,111	850,074	1,227,114
Ammonium sulphate ..	do.	109,620	128,493	144,317
Coal tar	do.	8,418	2,788	11,356
Coal-tar pitch	do.	716,561	304,235	424,691
Tar oil, creosote oil and other heavy coal-tar oils	Gallon	24,686,678	13,998,731	25,647,144
Naphthalene	Long ton	7,055	1,772	2,103
Anthracene	do.	5	1	6
Carbolic acid	do.	9,202	2,816	7,017
Benzol	Gallon	244,846	15,632	57,255
Naphtha, not purified so as to be potable ..	do.	284,395	42,925	47,591
Coal-tar dyes	Long ton	6,157	3,403	1,723
Coal-tar products used in the manufacture of dyes	do.	3,673	757	642
Other chemical coal-tar products, not dyes ..	do.	35,979	13,310	14,633
Ammonium chloride ..	do.	7,218	2,601	5,851
Nigeria—				
Coal	Long ton	6,748	29,494	600
Southern Rhodesia—				
Coal	Long ton	79,687	91,317	92,150
Coke and patent fuel ..	do.	73,070	96,401	69,712
Tar, pitch, etc.	do.	(a)	(a)	2
Union of South Africa—				
Coal—				
Exported	Long ton	1,161,850	1,602,761	1,319,334
Shipped as bunkers ..	do.	1,654,163	1,461,112	1,276,669
Coke and patent fuel ..	do.	4,985	2,329	8,898

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

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)				
Union of South Africa (<i>Cont.</i>)—				
Ammonium sulphate ..	Long ton	1,252	1,368	165
Tar	do.	26	4	6
Pitch	do.	86	6	—
Canada (<i>e</i>)—				
Coal	Long ton	2,033,216	1,743,797	1,865,570
Coke	do.	33,956	23,813	13,697
Ammonium sulphate ..	do.	13,393	15,092	9,423
Coal tar and pitch ..	Gallon	8,622,210	2,307,528	2,396,099
Creosote oil	do.	1,181,106	397,402	818,411
British Borneo—				
Brunei—				
Coal	Long ton	17,000	16,210	7,440
Sarawak—				
Coal	Long ton	938	6,088	(<i>d</i>)
Hong Kong (<i>f</i>)—				
Coal	Long ton	260,322	295,709	276,631
Coke	do.	3,213	2,890	1,643
Briquettes	do.	25	836	210
Carbolic acid	do.	1	2	11
Aniline dyes	£	145,701	100,041	155,164
India (<i>e</i>)—				
By land (<i>f</i>)—				
Coal and coke	Long ton	3,112	2,516	29,049
By sea—				
Coal (<i>g</i>)	Long ton	1,142,608	113,370	97,624
Coal, coke and patent fuel on government account	do.	38,524	9,850	6
Coke (<i>g</i>)	do.	1,803	1,362	568
Straits Settlements (<i>h</i>)—				
Coal	Long ton	8,746	5,039	6,437
Australia (<i>i</i>)—				
Coal—				
Exported	Long ton	1,013,377	2,161,344	1,028,767
Shipped as bunkers ..	do.	733,133	1,517,065	1,498,035
Coke	do.	34,217	58,163	25,246
Ammonium sulphate ..	do.	8,371	6,186	7,771
Pitch and tar	do.	2,236	2,866	1,970
Benzine and benzol ..	Gallon	—	16	240
New Zealand—				
Coal—				
Exported	Long ton	27,084	14,204	18,741
Shipped as bunkers ..	do.	53,004	38,979	100,014
Coke	do.	20	2	4
Tar	£	217	144	316
Pitch	Long ton	—	—	1
Ammoniacal liquor ..	£	1,011	984	1,247

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

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES				
Austria (h)—				
Coal	Long ton	26	741	(d)
Brown coal	do.	2,955	4,893	(d)
Coke	do.	11,729	22,738	(d)
Coal tar	do.	160	1,221	3,452
Crude naphthalene	do.	461	73	(d)
Cresol	do.	144	285	(d)
Benzine	do.	31	483	37
Belgium—				
Coal—				
Exported	Long ton	1,260,245	(k)5,878,853	(j)3,004,705
Shipped as bunkers	do.	350,267	665,743	(j) 89,993
Coke	do.	215,249	420,594	(j) 974,962
Briquettes—				
Exported	do.	54,866	436,835	(j) 417,669
Shipped as bunkers	do.	156,904	140,589	(j) 27,313
Ammonium sulphate	do.	514	13,724	(j) 12,505
Coal tar and pitch	do.	19,946	14,876	(j) 8,591
Czechoslovakia (f)—				
Coal	Long ton	682,623	1,284,167	1,009,471
Lignite	do.	3,334,951	4,407,287	3,407,553
Coke	do.	150,194	297,265	348,197
Briquettes	do.	52,390	169,036	140,486
Ammonium sulphate	do.	24	(a)	(d)
Coal tar	do.	512	4,107	255
Crude naphthalene	do.	1,320	472	12
Carbolic acid, crude or refined	do.	87	242	(d)
Cresol	do.	59	77	(d)
Aniline oil	do.	—	92	(d)
Aniline salts	do.	—	43	(d)
Coal-tar dyes	do.	419	364	209
Ammonium chloride	do.	12	24	(d)
Denmark—				
Ammonium sulphate	Long ton	(a)	146	360
Coal-tar pitch	do.	32	17	300
Mineral tar	do.	3,693	2,851	6,041
Benzol	do.	6	4	1
Aniline and alizarine dyes	do.	17	2	1
Ammonium chloride	do.	49	—	—
France—				
Coal—				
Exported	Long ton	304,517	1,296,878	1,958,945
Shipped as bunkers	do.	141,564	383,339	111,428

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

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
France (Cont.)—				
Coke	Long ton	11,867	481,886	455,598
Briquettes—				
Exported	do.	22,312	81,139	94,386
Shipped as bunkers	do.	19,839	38,035	16,191
Ammonium sulphate, crude and refined	do.	778	3,480	11,866
Coal tar—				
Exported	do.	17,793	10,930	} 33,580
Shipped as stores	do.	3,983	3,357	
Coal-tar dyes	do.	2,711	2,271	559
Liquid ammonia.. .. .	do.	150	320	146
Germany—				
Coal—				
Exported	Long ton	7,141,182	(n) 4,052,120	4,980,667
Shipped as bunkers	do.	46,398	(n) 32,653	17,539
Brown-coal	do.	71,137	(n) 17,833	13,994
Coke	do.	965,627	(n) 679,676	893,583
Coal briquettes	do.	117,770	(n) 43,879	38,840
Brown-coal briquettes	do.	257,190	(n) 263,190	411,765
Ammonium sulphate	do.	25,675	(n) 11,446	13,450
Coal tar	do.	6,125	(n) 14,512	22,258
Coal-tar pitch	do.	30,607	(n) 45,920	60,392
Naphthalene	do.	(d)	(d)	3,827
Anthracene	do.	(d)	(d)	661
Carbolic acid, crude or refined	do.	(d)	(d)	357
Cresol	do.	(d)	(d)	350
Light coal-tar oils—benzol, cumol, etc., also carburetted hydrogen	do.	749	(n) 5,251	6,896
Heavy coal-tar oils—anthracene, carbolic oil, etc., also mineral naphtha	do.	28,756	(n) 78,348	127,782
Other coal-tar products— aniline, aniline salts, naphthylamine, anthraquinone, etc.	do.	1,379	(n) 1,513	4,879
Aniline and other coal-tar dyes	do.	20,883	(n) 15,623	38,155
Italy—				
Coal, coke and patent fuel—				
Exported	Long ton	788	} 201,786	167,027
Shipped as bunkers	do.	75,034		

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

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Italy (Cont.)—				
Ammonium sulphate ..	Long ton	1	1	—
Naphthalene	do.	453	48	43
Benzol, toluol and xylol..	do.	26	30	2
Coal-tar dyes, etc. ..	do.	343	(d)	(d)
Netherlands—				
Coal—				
Exported	Long ton	4,558	548,411	1,222,620
Shipped as bunkers ..	do.	625,579	1,354,167	997,140
Lignite	do.	2,261	—	10
Coke	do.	26,636	118,480	344,426
Coal briquettes	do.	9,333	31,703	72,856
Brown-coal briquettes ..	do.	2,627	276	10
Ammonium sulphate ..	do.	10,717	10,196	17,405
Coal and wood pitch ..	do.	608	9,921	7,988
Coal tar	do.	961	1,258	3,119
Creosote oil	do.	—	1,947	6,866
Naphthalene	do.	170	134	816
Carbolic acid	do.	45	34	104
Benzol	do.	130	285	1,934
Toluol and xylol	do.	7	30	86
Anthracene	do.	—	—	248
Solvent naphtha	do.	9	74	462
Coal-tar dyes	do.	172	103	267
Liquid ammonia	do.	158	188	76
Ammonium chloride ..	do.	69	48	37
Norway—				
Ammonium sulphate ..	Long ton	521	260	640
Coal tar	do.	2,323	2,645	2,986
Creosote oil	do.	8	—	(d)
Poland (f)—				
Coal (m)	Long ton	144,420	329,506	(d)
Portugal—				
Coal shipped as bunkers..	Long ton	171,834	(d)	(d)
Spain (f)—				
Coal	Long ton	150,049	95,711	17,122
Coke	do.	88	42	6
Sweden—				
Anthracite	Long ton	—	1	10
Bituminous coal	do.	8,356	6,771	4,589

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

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Sweden (Cont.)—				
Coke	Long ton	998	—	353
Briquettes	do.	—	344	—
Ammonium sulphate ..	do.	5,715	2,339	4,654
Coal tar, etc.	do.	1,539	5,265	5,495
Coal tar prepared for tar- ring purposes	do.	59	(a)	(a)
Coal or wood pitch ..	do.	675	484	275
Benzol oil	do.	575	467	502
Carbolic acid, cresol and creosote oil	do.	1	3	1
Naphthalene	do.	138	(a)	3
Carbolineum and other benzol oil	do.	2	52	(a)
Coal-tar dyes	do.	31	29	18
Liquid ammonia	do.	5	60	(d)
Ammonium chloride ..	do.	56	5	2
Switzerland—				
Coal	Long ton	1,359	1,409	333
Lignite	do.	91	(a)	—
Coke	do.	185	556	2,668
Briquettes	do.	6,097	1,232	45
Unpurified saltpetre and crude ammonium salts, also ammonium sul- phate	do.	92	173	(c) 3
Tar	do.	151	609	133
Pitch	do.	39	121	22
Carbolineum, creosote, creosote oil, etc. ..	do.	1	9	3
Benzol, naphthalene, an- thracene, carbolic acid, toluol, benzoic acid, etc.	do.	120	74	240
Coal-tar dyes	do.	10,595	4,811	7,216
Liquid ammonia	do.	4	1	4
Ammonium chloride ..	do.	—	(a)	2
Egypt—				
Coal-tar pitch	Long ton	23	8	15
United States—				
Coal exported—				
Anthracite	Long ton	4,824,776	4,176,221	2,365,587
Bituminous	do.	34,390,254	20,652,827	11,083,112
Coal shipped as bunkers	do.	9,362,178	7,547,518	4,115,872
Coke	do.	821,252	273,888	456,733
Ammonium sulphate ..	do.	(n) 59,566	102,614	147,331

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

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
United States (Cont.)—				
Coal tar	Long ton	11,044	11,551	12,495
Carbolic acid	do.	960	111	100
Benzol	do.	5,881	32,156	28,902
Argentina—				
Coal	Long ton	142,707	191,620	313,543
Chile—				
Coal	Long ton	11,832	27,910	14,527
Coke	do.	766	832	1,605
Mineral tar or pitch	do.	328	16	82
Peru—				
Coal (l)	Long ton	11,417	8,634	4,503
Coke	do.	10	2	—
China—				
Coal	Long ton	1,970,187	1,886,398	2,377,443
Coke	do.	19,103	35,157	44,385
French Indo-China—				
Coal	Long ton	} 542,344 {	608,596	607,793
Briquettes	do.		22,164	4,231
Japan—				
Coal—				
Exported	Long ton	2,095,305	2,349,335	1,663,527
Shipped as bunkers	do.	2,603,685	2,272,213	(b)1,877,849
Coke	do.	529	(d)	(d)
Coal tar and pitch	do.	5,058	1,552	5,293
Naphthalene	do.	766	154	146
Coal-tar dyes	do.	(d)	2,919	2,378

(a) Less than $\frac{1}{2}$ ton.

(b) Nine months only, January–September.

(c) Excluding unpurified saltpetre.

(d) Information not available.

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

(f) Total exports.

(g) Excluding government stores.

(h) Total exports, excluding transit trade.

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

(j) Figures refer to Belgium–Luxemburg Economic Union.

(k) Including about 1,329,000 long tons imported almost entirely from Germany and re-exported to France.

(l) Including bunkers.

(m) Figures for 1920 include lignite and peat ; those for 1921 include briquettes.

(n) Eight months only, May–December.

IMPORTS OF COAL, COKE AND BY-PRODUCTS
(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Coal	Long ton	3,671	3,428,725	113
Coke	do.	—	49,085	4,701
Manufactured fuel ..	do.	842	24,367	332
Ammonium sulphate ..	do.	9	2,320	6
Coal tar	do.	1,047	922	1,037
Coal-tar pitch	do.	31	567	796
Tar oil, creosote oil, and other heavy coal-tar oils	Gallon	(a)	1,738,423	149,212
Naphthalene	Long ton	109	121	242
Anthracene	do.	435	662	542
Carbolic acid	do.	21	(b)	3
Benzol	Gallon	1,352,366	6,462,136	5,583,882
Naphtha, not purified so as to be potable ..	do.	2,161	57,690	5,960
Coal-tar dyes	Long ton	11,756	3,023	2,845
Other chemical coal-tar products, not dyes ..	do.	88	72	49
Ammonium chloride ..	do.	122	324	1,114
Malta—				
Coal (j)	Long ton	110,495	83,574	142,581
Anglo-Egyptian Sudan—				
Coal	Long ton	59,359	115,078	69,344
Coke	do.	3,301	167	6
Patent fuel	do.	—	—	3,049
Coal tar	do.	—	—	189
Artificial indigo ..	do.	1	28	20
Gambia—				
Coal, coke and patent fuel	Long ton	2,526	1,692	2,415
Tar and pitch	£	1,168	260	146
Gold Coast—				
Coal and patent fuel ..	Long ton	22,573	25,565	(a)
Coke	do.	48	289	(a)
Tar and pitch (h)	do.	294	91	(a)
Kenya—				
Coal	Long ton	(f) 3,823	(n) 4,719	13,858
Mauritius—				
Coal	Long ton	58,689	86,303	48,320
Coke	do.	808	890	470
Patent fuel	do.	1,850	6,048	17,389
Ammonium sulphate ..	do.	8,536	8,856	1,570
Tar	do.	86	72	134
Pitch	do.	25	34	14
Carbolic acid	do.	(b)	8	1

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

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)				
Nigeria—				
Coal	Long ton	11,509	17,623	10,822
Tar and pitch	do.	228	196	363
Northern Rhodesia—				
Coal	Long ton	26,226	33,992	24,399
Coke	do.	9,554	9,107	6,683
Nyasaland—				
Coal and coke	Long ton	25	30	21
Seychelles—				
Coal	Long ton	1,250	105	1,236
Coal tar	do.	2	2	3
Pitch	do.	—	—	1
Sierra Leone—				
Coal, coke and patent fuel (<i>j</i>)	Long ton	78,589	33,999	35,999
Tar and pitch	do.	—	—	50
Southern Rhodesia—				
Coke and patent fuel (<i>c</i>)	Long ton	—	10	2
Tar, pitch, etc.	do.	72	133	168
South - West Africa Terri- tory—				
Coal	Long ton	25	169	3
Tanganyika Territory —				
Coal	Long ton	3,492	4,306	1
Tar and pitch	do.	5	11	48
Union of South Africa—				
Coal	Long ton	420	4,367	4,358
Coke and patent fuel	do.	49	35	958
Ammonium sulphate	do.	—	432	3
Tar, including tar substi- tutes (<i>e</i>)	do.	6,048	3,148	5,055
Pitch	do.	206	145	389
Creosote	do.	223	152	270
Zanzibar—				
Coal	Long ton	5,539	12,355	4,547
Canada (<i>f</i>)—				
Anthracite	Long ton	4,321,035	3,943,085	2,817,512
Bituminous coal	do.	13,757,139	11,385,767	9,970,479
Coke	do.	489,805	207,298	396,324
Ground coke	do.	395	429	661

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

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Canada (f) (Cont.)—				
Ammonium sulphate ..	Long ton	194	194	314
Coal-tar and pitch ..	Gallon	4,070,496	4,544,889	4,863,273
Naphthalene, refined, flakes and balls ..	Long ton	176	204	356
Carbolic or heavy oil ..	Gallon	298,433	547,814	6,404,739
Aniline and coal-tar dyes	Long ton	1,337	879	1,427
Other coal-tar products, including aniline oil, aniline salts, etc. ..	do.	266	121	241
Ammonium chloride ..	do.	642	382	677
Newfoundland (g)—				
Coal	Long ton	309,019	324,094	223,300
Tar	£	11,232	7,501	5,217
British Guiana—				
Bituminous coal (c) ..	Long ton	9,412	1,552	3,548
Other coal	do.	12,001	4,612	8,604
Coke and patent fuel (c) ..	do.	7,902	4,693	3,245
Tar	Gallon	27,102	17,434	22,231
Pitch (h)	Long ton	241	180	246
West Indies—				
Barbados—				
Coal (j)	Long ton	102,444	23,310	35,117
Coke	do.	(6d)	34	(a)
Patent fuel	do.	682	196	(a)
Ammonium sulphate ..	do.	48,900	2,925	(a)
Tar and pitch	£	1,010	526	(a)
Bermuda—				
Anthracite	Long ton	50,118	23,854	(a)
Bituminous coal	do.	1,869	4,244	(a)
Jamaica—				
Coal	Long ton	78,061	73,867	67,671
Coke	do.	(a)	114	74
St. Lucia—				
Coal (j)	Long ton	43,115	5,501	13,888
Trinidad and Tobago—				
Coal (j)	Long ton	57,835	41,130	41,808
Coke	do.	843	161	53
Patent fuel	do.	250	1,500	510
Aden (f)—				
Coal (j)	Long ton	178,560	83,285	98,849
Coke (e)	do.	31	8	105

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

Importing Country and Description	Unit.	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Ceylon—				
Coal (j)	Long ton	809,141	715,375	581,716
Coke	do.	(a)	(a)	199
Ammonium sulphate	do.	384	164	1,854
Tar and pitch	do.	1,080	152	883
Cyprus—				
Coal	Long ton	216	3,505	3,551
Ammonium chloride	do.	3	4	2
Hong Kong (e)—				
Coal	Long ton	1,018,270	1,175,871	1,048,175
Coke	do.	8,007	6,144	5,852
Briquettes	do.	—	60	210
Carbolic acid	do.	5	2	4
Aniline dyes	£	247,145	124,277	237,164
India (f)—				
By land (e)—				
Coal and coke	Long ton	11	25	45
By sea—				
Coal (t)	Long ton	85,993	1,489,282	881,810
Coal, coke and patent fuel on government account	do.	—	377,373	325,507
Coke (t)	do.	1,003	11,894	27,077
Patent fuel (t)	do.	—	11	(b)
Coal tar and pitch (t)	do.	7,165	4,415	4,130
Naphthalene (c)	do.	168	264	221
Carbolic acid (c)	do.	43	23	42
Coal-tar dyes (t)	do.	4,746	5,185	6,303
Ammonia and salts thereof (c)	do.	853	484	891
Straits Settlements (i)—				
Coal	Long ton	726,701	541,060	584,414
Australia (g)—				
Coal	Long ton	35,200	15,213	29,374
Coke	do.	4	—	—
Ammonium sulphate	do.	4	(b)	500
Pitch, tar and bitumen	do.	1,250	2,406	1,540
Naphthalene	do.	225	59	150
Carbolic acid	do.	257	14	33
Benzene and benzol	Gallon	558	2,596	56
Liquid ammonia	£	74	265	66
Ammonium chloride	Long ton	157	188	305

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

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Fiji Islands—				
Coal	Long ton	36,099	29,782	22,031
Coke	do.	525	640	603
Tar and pitch	£	1,567	958	819
New Zealand—				
Coal	Long ton	476,319	822,445	501,473
Coke	do.	2,605	2,457	1,407
Ammonium sulphate	do.	772	2,137	(929 <i>d</i>)
Tar	£	3,471	4,834	2,247
Pitch	Long ton	52	18	46
Carbolic acid	do.	7	8	6
Ammonium chloride	£	2,325	1,065	987
FOREIGN COUNTRIES				
Austria (<i>i</i>)—				
Coal	Long ton	2,507,021	3,372,534	(<i>a</i>)
Brown coal	do.	1,173,057	1,972,562	(<i>a</i>)
Coke	do.	250,974	311,701	(<i>a</i>)
Briquettes	do.	990	93,200	(<i>a</i>)
Crude naphthalene	do.	1,299	427	(<i>a</i>)
Benzine	do.	19,065	17,540	21,385
Ammonium chloride	do.	192	209	(<i>a</i>)
Belgium—				
Coal	Long ton	1,516,329	(<i>l</i>)5,538,115	(<i>k</i>)5,679,158
Coke	do.	142,831	307,195	(<i>k</i>)2,371,409
Briquettes	do.	176,106	215,499	(<i>k</i>) 86,415
Ammonium sulphate	do.	5,424	27,718	(<i>k</i>) 14,684
Coal tar and pitch	do.	318,461	142,692	(<i>k</i>) 116,234
Czechoslovakia (<i>e</i>)—				
Coal	Long ton	1,113,881	940,361	503,071
Lignite	do.	41,523	23,899	21,433
Coke	do.	119,836	106,492	84,979
Briquettes	do.	2,411	8,932	(<i>a</i>)
Ammonium sulphate	do.	1,272	1	(<i>a</i>)
Coal tar	do.	6,095	64	(<i>a</i>)
Naphthalene	do.	63	10	(<i>a</i>)
Crude carbolic acid	do.	2	37	(<i>a</i>)
Cresol	do.	6	11	(<i>a</i>)
Aniline oil	do.	73	85	(<i>a</i>)
Aniline salts	do.	88	120	(<i>a</i>)
Coal-tar dyes	do.	2,771	4,969	3,493
Liquid ammonia	do.	274	2	(<i>a</i>)
Ammonium chloride	do.	324	92	(<i>a</i>)

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Denmark—				
Coal	Long ton	2,177,650	2,054,612	2,777,760
Coke	do.	361,681	450,477	753,030
Briquettes	do.	89,282	4,475	18,926
Ammonium sulphate	do.	285	633	256
Coal-tar pitch	do.	502	13	129
Mineral tar	do.	581	1,482	66
Benzol	do.	286	343	375
Aniline and alizarine dyes	do.	484	196	317
Ammonium chloride	do.	111	(a)	95
Finland (e)—				
Anthracite	Long ton	29	96	} (e) 239,190
Other coal	do.	79,068	80,156	
Other fuel	do.	540	11	(a)
Coke	do.	9,003	5,357	(a)
Ammonium sulphate	do.	6	11	(a)
Coal tar	do.	2,956	4,095	(a)
Coal-tar pitch	do.	1,306	1,123	(a)
Carbolic acid, creosol and creosote oil	do.	79	112	(a)
Naphthalene	do.	50	59	(a)
Benzol	do.	3	2	(a)
Carbolineum	do.	16	24	(a)
Other coal-tar products, also carbolic lime	do.	45	16	(a)
Coal-tar dyes, etc.	do.	397	258	(a)
Liquid ammonia	do.	30	43	(a)
Ammonium chloride	do.	18	12	(a)
France—				
Coal	Long ton	23,669,643	18,102,343	22,061,146
Coke	do.	3,931,699	3,438,504	5,059,541
Briquettes	do.	2,040,267	1,233,586	1,400,557
Ammonium sulphate, crude and refined	do.	27,013	60,197	74,518
Coal tar	do.	236,572	183,893	253,242
Coal-tar dyes	do.	5,793	1,294	1,769
Liquid ammonia	do.	1,449	2,214	2,050
Germany—				
Coal	Long ton	357,104	(p) 618,259	12,395,923
Brown coal	do.	2,303,077	(p) 1,710,703	1,983,257
Coke	do.	2,095	(p) 7,433	284,124
Coal briquettes	do.	280	(p) 306	38,610
Brown-coal briquettes	do.	40,336	(p) 43,147	30,066

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Germany (Cont.)—				
Ammonium sulphate ..	Long ton	140	(p) 32	1,782
Coal tar	do.	5,915	(p) 16,320	35,594
Coal-tar pitch	do.	3,645	(p) 2,068	29,576
Naphthalene	do.	(a)	(a)	1,133
Anthracene	do.	(a)	(a)	142
Carbolic acid, crude or refined	do.	(a)	(a)	2,591
Cresol	do.	(a)	(a)	260
Light coal-tar oils—ben- zol, cumol, etc., also carburetted hydrogen	do.	4,206	(p) 3,553	3,799
Heavy coal-tar oils—an- thracene, carbolic oil, etc., also mineral naphtha	do.	9,557	(p) 203	1,513
Other coal-tar products— aniline, aniline salts, naphthylamine, anthra- quinone, etc.	do.	53	(p) 60	28
Aniline and other coal-tar dyes	do.	21	(p) 131	451
Italy—				
Coal, coke and patent fuel (q)	Long ton	4,558,514	4,947,993	6,388,145
Ammonium sulphate ..	do.	6,945	4,379	10,854
Naphthalene	do.	24	13	582
Benzol, toluol and xylol ..	do.	1,311	383	1,749
Coal-tar dyes, etc. ..	do.	(r) 3,679	(a)	(a)
Netherlands—				
Coal	Long ton	2,922,071	4,815,654	6,116,143
Lignite	do.	45	8,565	6,413
Coke	do.	280,411	197,221	230,996
Coal briquettes	do.	11,922	171,071	194,174
Brown-coal briquettes ..	do.	66,139	105,459	142,913
Ammonium sulphate ..	do.	10,492	21,607	20,479
Coal and wood pitch ..	do.	69,653	27,545	31,385
Coal tar	do.	475	364	701
Creosote oil	do.	11,468	1,589	1,029
Naphthalene	do.	49	289	236
Anthracene	do.	2	2	—
Carbolic acid	do.	61	74	104
Benzol	do.	129	38	265
Toluol and xylol	do.	5	1	43
Solvent naphtha	do.	19	—	15

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Netherlands (<i>Cont.</i>)—				
Coal-tar dyes	Long ton	2,340	1,192	1,703
Liquid ammonia	do.	4,614	1,599	819
Ammonium chloride	do.	226	143	154
Norway—				
Bituminous coal	Long ton	1,556,958	879,202	1,723,220
Coke and cinders	do.	240,068	166,618	309,070
Ammonium sulphate	do.	3	(b)	—
Pitch	do.	772	666	1,736
Coal tar	do.	572	273	203
Creosote and creosote oil, etc., also crude carbolic acid, etc.	do.	(e) 2,509	5,291	5,932
Carbolic acid, pure	do.	1	26	(b)
Aniline and alizarine dyes	do.	328	101	185
Poland (e)—				
Coal (s)	Long ton	2,647,387	3,468,523	(a)
Portugal—				
Coal	Long ton	590,263	(a)	(a)
Coke and briquettes	do.	9,782	(a)	(a)
Spain (e)—				
Anthracite	Long ton	327,020	953,813	66,762
Bituminous coal	do.			448,170
Other coal	do.			917,316
Coke	do.	36,536	108,867	93,977
Briquettes	do.			91,547
Sweden—				
Anthracite	Long ton	70,582	47,504	85,985
Bituminous coal	do.	2,695,965	1,387,392	2,505,758
Coke	do.	354,271	230,927	513,392
Briquettes	do.	16,742	145	525
Ammonium sulphate	do.	358	353	3
Coal tar, etc.	do.	11,024	2,757	6,176
Coal tar prepared for tar- ring purposes	do.	94	14	19
Coal or wood pitch	do.	3,054	889	1,586
Benzol oils	do.	67	14	19
Carbolic acid, cresol and creosote oil	do.	866	235	840
Naphthalene	do.	73	122	119
Carbolineum and other benzol oils	do.	960	1,604	1,561
Coal-tar dyes	do.	1,334	427	825

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Sweden (Cont.)—				
Liquid ammonia ..	Long ton	251	38	43
Ammonium chloride ..	do.	195	49	166
Switzerland—				
Coal	Long ton	1,904,335	1,049,176	1,236,468
Lignite	do.	389	753	1,062
Coke	do.	297,320	237,509	448,453
Briquettes	do.	394,049	310,908	474,255
Unpurified saltpetre and crude ammonium salts, also ammonium sulphate	do.	1,025	567	(m) 1,178
Tar	do.	627	378	1,674
Pitch	do.	28,514	2,599	1,922
Carbolineum, creosote, creosote oil, etc. ..	do.	7,339	3,671	1,585
Benzol, naphthalene, an- thracene, carbolic acid, toluol, benzoic acid, etc.	do.	4,792	1,713	2,004
Coal-tar dyes	do.	684	518	577
Liquid ammonia	do.	5	30	29
Ammonium chloride ..	do.	273	72	168
Algeria—				
Coal, coke and briquettes	Long ton	388,152	432,052	419,603
Belgian Congo—				
Coal	Long ton	26,084	25,866	34,061
Coke	do.	64,233	98,655	63,455
Briquettes	do.	22,837	28,865	25,232
Egypt—				
Coal	Long ton	846,895	806,613	642,180
Coke	do.	10,089	6,657	7,499
Patent fuel	do.	80,822	32,193	36,137
Ammonium sulphate (e)	do.	3,376	1,736	2,714
Coal-tar pitch	do.	8,243	3,815	5,817
Naphthalene (e)	do.	29	43	59
Carbolic acid	do.	45	42	40
Coal-tar dyes	do.	313	369	379
Liquid ammonia	do.	21	14	16
Ammonium chloride ..	do.	218	198	202
Tunis (e)—				
Coal	Long ton	40,585	139,475	144,663
Coke	do.	5,006	6,773	7,910
Briquettes	do.	68,895	5,811	15,572
Coal tar	do.	3,337	7,604	6,085

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Cuba (e)—				
Anthracite	Long ton	29,217	8,083	11,281
Bituminous coal	do.	990,598	727,917	519,111
Coke	do.	13,670	24,040	1,304
United States—				
Anthracite	Long ton	28,346	7,941	208,507
Bituminous coal	do.	1,098,730	1,120,501	4,512,223
Coke	do.	36,735	27,670	84,121
Ammonium sulphate	do.	1,960	4,474	4,143
Coal tar and pitch	do.	2,585	2,746	3,107
Creosote oil	Gallon	15,353,392	27,690,371	34,637,287
Naphthalene	Long ton	6,702	2,007	1,404
Crude carbolic acid and phenol (e)	do.	86	96	307
Cresol	do.	4,606	1,497	1,677
Benzol	do.	217	769	77
Coal-tar dyes (e)	do.	2,096	1,736	1,351
Ammonium chloride	do.	3,013	2,042	(a)
Argentina—				
Coal	Long ton	2,012,954	1,693,147	2,184,428
Coke	do.	8,520	12,628	18,112
Coal tar	do.	141	100	31
Carbolic acid	do.	148	306	364
Naphthalene	do.	49	95	46
Aniline	do.	538	410	455
Liquid ammonia	do.	68	143	138
Bolivia—				
Coal and briquettes	Long ton	39,487	27,451	(a)
Brazil (e)—				
Coal	Long ton	1,102,566	829,581	1,157,382
Coke	do.	5,956	8,942	7,415
Patent fuel	do.	93,362	28,399	88,659
Aniline dyes	do.	619	507	688
Chile—				
Coal	Long ton	304,452	470,074	135,081
Coke	do.	54,631	15,045	33,196
Patent fuel	do.	18,419	16,647	16,404
Mineral tar or pitch	do.	565	1,297	1,837
Creosote and its salts	do.	1	(b)	(b)
Naphthalene	do.	11	6	14
Carbolic acid	do.	2	3	2
Aniline and other dyes derived from coal	do.	119	106	123
Liquid ammonia	do.	45	37	67

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Peru—				
Coal	Long ton	60,667	65,172	56,391
Coke	do.	16,146	14,699	25,562
Ammonium carbonate, chloride, and sulphate	do.	63	14	11
Tar or pitch	do.	444	679	741
Naphthalene	do.	6	4	8
Aniline, etc., and deriva- tives	do.	107	82	72
Liquid ammonia	do.	28	31	46
China—				
Coal	Long ton	1,254,531	1,361,781	1,151,392
Coke	do.	3,163	2,283	2,030
Japan (e)—				
Coal	Long ton	784,344	764,763	1,149,744
Coke	do.	10,824	26,823	33,877
Ammonium sulphate	do.	71,522	78,594	92,281
Pitch and asphalt	do.	2,899	3,933	12,186
Carbolic acid	do.	4,059	1,187	1,563
Coal-tar dyes	do.	2,216	3,489	5,581
Ammonium chloride	do.	963	796	2,238

- (a) Information not available.
 (b) Less than $\frac{1}{2}$ ton.
 (c) Excluding government stores.
 (d) Excess of re-exports
 (e) Total imports.
 (f) Years ended 31st March of the year following that stated.
 (g) Years ended 30th June of the year stated.
 (h) Converted at the rate of 8 barrels = 1 long ton.
 (i) Total imports, excluding transit trade
 (j) Total imports, chiefly for bunkering purposes.
 (k) Figures refer to Belgium-Luxemburg Economic Union.
 (l) Including about 1,329,000 long tons imported almost entirely from Germany and re-exported to France.
 (m) Excluding unpurified saltpetre.
 (n) Nine months only, April-December.
 (o) Including coke.
 (p) Eight months only, May-December.
 (q) Excluding German reparation deliveries.
 (r) Excluding German reparation deliveries, which amounted to 367 long tons.
 (s) The figures for 1920 include lignite and peat; those for 1921 include briquettes.
 (t) Total imports, excluding government stores.

COBALT

PRODUCTION OF COBALT ORE

(In terms of metal)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Canada (a)	244	112	254
Australia	(b)	(c) 85	(c) 102
FOREIGN COUNTRIES			
United States	(d) 46	2	—
New Caledonia	20	(b)	(b)

(a) Recovery from smelter products, including cobalt contained in cobalt residues exported.

(b) Information not available.

(c) Probably concentrates.

(d) Cobalt oxide and hydrate recovered from ores mined in Missouri.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	47	699	360
Cobalt oxide	699	319	988
Canada (b)—			
Cobalt	1,272	530	1,553
Cobalt alloys	99	63	25
Cobalt oxide and cobalt salts	3,712	2,700	4,046
Australia (c)—			
Cobalt ore	(a)	3,960	11,880
FOREIGN COUNTRIES			
Czechoslovakia (d)—			
Cobalt and nickel ore ..	1,045	—	(a)

EXPORTS OF COBALT, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
France—			
Cobalt ore	16	79	794
Impure cobalt oxide ..	10	—	31
Other cobalt oxide, including zaffre and smalt	29	98	297
Cobalt salts	134	8	63

(a) Information not available.

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

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

(d) Total exports.

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	1,949	11	32
Cobalt oxide	2,145	46	426
Canada (b)—			
Cobalt ore	5	1	7
Oxides of cobalt, tin and copper	1,736	1,327	2,522
FOREIGN COUNTRIES			
France—			
Cobalt ore	311	—	16
Impure cobalt oxide ..	22	16	969
Other cobalt oxide, in- cluding zaffre and smalt	360	85	345
Cobalt salts	47	26	26
United States—			
Cobalt, cobalt ore and zaffre	1,405	412	1,175
Cobalt oxide	1,810	1,464	1,942
Chile—			
Cobalt salts	(a)	1	(a)
Japan—			
Cobalt oxide	1,289	214	1,320

(a) Less than $\frac{1}{2}$ cwt.

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

COPPER

PRODUCTION OF COPPER ORE

(In terms of metal)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	127	72	(h) 104
Northern Rhodesia (a) ..	129	196	179
Southern Rhodesia (a) ..	2,775	2,750	3,025
South-West Africa Territory ..	(b) 4,300	(b) 7,313	(d) 6,085
Union of South Africa ..	1,058	90	654
Canada	36,429	21,259	19,143
Cyprus	50	275	584
India	1,056	866	1,154
Australia	26,595	10,971	12,502
Papua (e)	415	—	(c)
Total ..	73,000	44,000	44,000
FOREIGN COUNTRIES			
Austria	739	703	1,179
Finland	455	199	738
Germany	(f) 16,000	(g) 17,009	(f) 17,000
Italy	1,140	6,210	1,259
Jugoslavia	2,397	3,906	5,714
Norway	7,342	6,463	8,068
Portugal	1,238	1,783	(f) 2,000
Russia	(c)	(c)	(f) 2,000
Spain	22,409	30,659	27,574
Sweden	2,699	1,159	1,479
Belgian Congo	18,657	29,974	42,665
Cuba (d)	8,235	8,016	11,285
Mexico	48,401	14,983	26,544
United States	546,674	208,121	456,994
Argentina	300	500	500
Bolivia	(d) 9,684	(d) 10,448	5,916
Chile	103,000	58,287	126,246
Peru	32,452	32,749	35,823
Venezuela (f)	1,500	1,500	1,500
Japan (a)	66,582	53,126	53,160
Other Countries	529	918	(f) 900
Total ..	890,000	487,000	829,000
WORLD'S TOTAL	963,000	531,000	873,000

(a) Smelter production.

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

(c) Information not available.

(d) Copper content of exports.

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

(f) Approximate production.

(g) Prussia only.

(h) Excluding Irish Free State.

SMELTER PRODUCTION OF COPPER

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	26,000	12,000	18,400
Northern Rhodesia	129	196	179
Southern Rhodesia	2,775	2,750	3,025
Canada	16,367	16,253	13,538
India	512	1,143	1,037
Australia	24,069	18,600	11,524
Total ..	70,000	51,000	48,000
FOREIGN COUNTRIES			
Austria	1,619	4,208	4,507
France (b)	900	900	900
Germany	20,200	24,600	31,500
Italy	625	91	—
Jugoslavia	2,400	3,900	5,268
Norway	547	1,326	79
Russia	(a)	(a)	2,000
Spain	9,633	21,641	9,854
Sweden	1,268	1,131	—
Belgian Congo	18,657	29,965	42,665
Mexico	32,442	7,344	20,543
United States	592,000	309,000	421,000
Chile	97,885	46,135	105,656
Peru	31,554	31,889	(b) 30,000
China (c)	188	942	308
Japan	66,582	53,126	53,160
Total ..	877,000	538,000	727,000
WORLD'S TOTAL	947,000	589,000	775,000

(a) Information not available.

(b) Approximate production.

(c) Exports of "ingots and blocks."

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom —			
Ore, regulus, matte, precipitate and scale	1,951	242	3,507
Bars, blocks, slabs, ingots and cakes—			
Electrolytic	1,439	1,032	606
Other	13,246	9,828	13,004
Plates, sheets, strips, etc.	10,587	8,982	12,610
Rods	1,339	821	936
Tubes	3,200	1,722	1,147
Sulphate.. .. .	19,832	27,997	41,763
Northern Rhodesia—			
Ore and concentrates ..	82	—	—
Bars and ingots ..	2	26	315
Southern Rhodesia—			
Blister copper	2,782	3,016	3,140
South-West Africa Territory—			
Ore	36,732	36,414	34,259
Union of South Africa—			
Ore and concentrates ..	7,670	183	99
Regulus and matte ..	1,310	—	—
Bars, ingots and rods ..	6	3	531
Canada (a)—			
Ore, matte and regulus (b)	16,146	4,613	9,577
Blister copper	15,487	13,068	16,897
Blocks, pigs and ingots..	—	1,196	—
Scrap copper	236	1,075	1,373
Scrap brass	957	1,515	3,292
Bars, rods, sheets, plates, tubes and wire ..	1,244	7	6
Hong Kong (c)—			
Bars, sheets, plates, sheathing, tubes, pipes and wire	533	907	677
India (a) (d)—			
Unwrought copper ..	(g)	—	—
Wrought copper	118	86	60
Straits Settlements (e)—			
Metal	—	1	(g)
Sheathing	2	1	1

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE (Cont.)			
Australia (f)—			
Ore (b)	21	178	27
Concentrates (b) ..	—	—	(g)
Matte (b)	2	2,473	—
Blocks and ingots ..	27,411	21,183	9,382
Bars, rods, sheets, pipes, tubes, wire, etc. ..	18	17	6
Papua (f)—			
Ore	—	255	2,700
FOREIGN COUNTRIES			
Austria (e)—			
Ore	205	76	(j)
Rough copper	1,133	3,050	(j)
Sulphate.. .. .	1,696	3,172	3,328
Belgium—			
Ore	10,168	2,797	(k) 1,844
Rough copper	17,785	13,015	(k) 11,693
Drawn or rolled .. .	1,726	3,216	(k) 4,323
Czechoslovakia (c)—			
Ore	19	2,888	(j)
Sheets and plates ..	1	16	(j)
Rods and wire	133	282	(j)
Denmark—			
Blocks, bars, ingots, etc.	15	—	—
France—			
Ore and concentrates ..	1,624	1,492	2,610
Precipitate, ingots, etc., plates and anodes .. .	6,927	3,790	2,783
Scrap	20,343	20,191	22,733
Bars, sheets and wire ..	22,849	12,415	10,722
Germany—			
Ore, matte and calcined cupreous pyrites .. .	2,857	(l) 503	1,328
Rough copper	6,244	(l) 4,700	11,602
Coin and scrap	156	(l) 5	139
Bars, sheets, plates, tubes, wire, etc.	4,572	(l) 10,590	12,476
Italy—			
Ore	1,946	1,008	2,698
Pyrites	4,780	3,095	2,128
Ingots, cakes and scrap (i)	4,535	24,477	11,373
Bars, rods, sheets, plates, wire and tubes (i) .. .	1,615	918	1,699
Sulphate.. .. .	5,625	2,853	1,653
Jugoslavia (c)—			
Copper, copper alloys and manufactures thereof	1,191	4,509	5,267

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore	15	98	4,866
Pyrites	—	131	—
Cakes, ingots, bars and tubes	81	301	93
Scrap	266	520	792
Sheets, cable and wire	216	157	103
Norway—			
Ore and matte	—	561	241
Cupreous pyrites ..	189,709	140,286	352,578
Burnt cupreous pyrites	42,340	29,815	31,599
Rough and refined copper	873	880	174
Scrap	105	654	(i) 496
Plates, bolts, wire, etc.	64	22	46
Portugal—			
Ore	212,596	(j)	(j)
Spain (c)—			
Ore—			
Not more than 2½ per cent. copper	245,794	248,802	602,964
More than 2½ per cent. copper	32,364	12,534	5,957
Matte	2,279	144	(j)
Precipitate	6,534	13,015	30,477
Black copper and scrap (i)	266	46	106
Ingots	8,487	20,090	5,890
Bars and brass sheets ..	398	12	5
Sulphate	667	99	3
Sweden—			
Rough copper	327	3,144	745
Sheets, hoops, rods, pipes, tubes and wire	3,240	870	1,305
Switzerland—			
Ore, filings and turnings	4,895	2,497	2,680
Bars, ingots, sheets, etc. (i)	60	417	55
Scrap (i)	654	825	1,069
Bars, sheets, solder, tubes, and wire (i)	1,931	850	1,779
Algeria—			
Ore	591	1,975	1,870
Copper	315	191	514
Belgian Congo—			
Ore	(g)	226	9
Rough copper	18,609	30,351	42,578
United States—			
Ore (b)	111	134	} 28
Concentrates, matte and regulus (b)	86	27	

EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
United States (Cont.)—			
Black, blister and converter copper bars, pigs, etc.	823	67	76
Refined copper ingots, bars, etc.	246,083	271,825	314,667
Scrap	258	275	1,250
Plates, sheets, pipes, tubes and uninsulated wire	31,031	8,375	9,005
Rods	—	(h) 5,701	23,298
Bolivia—			
Ore	15,501	20,848	16,153
Concentrates	1,890	867	1,118
Matte	1	91	—
Sulphides	10,156	10,792	9,332
Precipitate	52	198	87
Chile—			
Ore	24,371	68,135	95,904
Matte	3,641	1,994	81
Ingots, bars and sheets	83,796	52,567	118,396
Peru—			
Ore	(n) 20	402	56
Concentrates	459	1,223	336
Matte and precipitate (m)	1,391	833	1,028
Scrap	2	(j)	(j)
Bars (m)	30,895	33,567	36,439
China—			
Ingots and blocks	188	942	308
Japan—			
Ingots and blocks	5,198	9,026	411
Plates, sheets and wire	5,661	1,522	1,058
Sulphate	82	43	54

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

(b) Copper content.

(c) Total exports.

(d) Overseas trade only.

(e) Total exports, excluding transit trade.

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

(g) Less than $\frac{1}{2}$ ton.

(h) Figures refer to six months only, July–December.

(i) Including brass and bronze.

(j) Information not available.

(k) Figures refer to Belgium-Luxemburg Economic Union.

(l) Eight months only, May–December.

(m) Including auriferous and argentiferous.

(n) Including 6 tons of copper-lead ore.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore, regulus, matte, precipitate and scale	28,560	24,338	31,392
Bars, blocks, slabs, ingots and cakes—			
Electrolytic ..	41,500	32,712	36,764
Other	47,488	35,078	13,476
Plates, sheets, strips, etc.	1,204	591	615
Rods	4,874	1,704	8,446
Tubes	47	196	215
Kenya—			
Wire, including brass wire	(a) 99	(j) 15	81
Mauritius—			
Ore	—	20	—
Ingots	—	(£1,022)	—
Bars, sheets, tubes, pipes and scrap (c)	29	53	53
Southern Rhodesia—			
Bars, ingots, rods, plates, sheets, pipes and wire(b)	177	72	49
Union of South Africa—			
Bars, ingots and rods ..	361	17	154
Plates and sheets ..	369	92	139
Canada (a)—			
Ore and concentrates ..	1,612	670	(e)
Precipitate	(18 lb.)	(375 lb.)	(450 lb.)
Blocks, pigs and ingots	3,325	179	1,332
Scrap copper	1,029	41	1,116
Scrap brass	1,964	1,188	1,136
Bars, rods, sheets, plates, tubes and wire ..	16,319	6,182	13,838
West Indies (Barbados)—			
Bars and sheets	8	4	(d)
Cyprus—			
Bars, sheets, bottoms and nails	9	10	15
Hong Kong (c)—			
Bars, sheets, plates, sheathing, pipes, tubes and wire	769	1,141	804
India (a) (f)—			
Ore	2,987	—	—
Scrap	129	123	645
Ingots, cakes, blocks, etc.	1,841	2,141	2,820
Wrought copper ..	14,180	6,912	9,822

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE (Cont.)			
Straits Settlements (g)—			
Metal	20	21	13
New sheathing	6	4	2
Old sheathing	3	4	3
Australia (h)—			
Ore	169	55	—
Matte (i)	—	(e)	(e)
Blocks and ingots	22	2	5
Bars, rods, strips, plates, sheets, pipes, tubes and wire	1,707	1,933	1,492
New Zealand—			
Bars, rods, plates, sheets, sheathing, pipes and tubes	281	546	293
Uninsulated wire (£ New Zealand)	(£50,954)	(£292,028)	(£92,456)
FOREIGN COUNTRIES			
Austria (g)—			
Rough copper	4,033	8,297	(d)
Belgium—			
Ore	83,810	56,399	(l) 50,301
Rough copper	25,739	15,380	(l) 17,697
Rough drawn or rolled	6,126	4,209	(l) 6,405
Czechoslovakia (c)—			
Ore	362	251	(d)
Sheets and plates	149	86	(d)
Rods and wire	2,041	458	(d)
Denmark—			
Blocks, rough bars, etc.	1,137	473	630
Bars, bolts, plates, pipes and wire	5,021	2,766	3,086
France—			
Ore and concentrates	2,799	7,000	6,141
Precipitate, ingots, etc., plates and anodes	72,742	49,502	80,270
Scrap	3,719	7,479	8,571
Bars, sheets and wire	4,615	2,298	5,722
Germany—			
Ore, matte and calcined cupreous pyrites	106,570	(m) 39,237	129,505
Rough copper	58,565	(m) 77,894	125,874
Coin and scrap	2,560	(m) 5,476	12,416
Bars, sheets, plates, tubes, wire, etc.	2,048	(m) 40	610

IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore	—	25	19
Ingots, cakes and scrap (<i>k</i>)	18,060	20,652	42,665
Bars, rods, sheets, plates, tubes and wire (<i>k</i>) ..	2,487	1,639	1,224
Jugoslavia (<i>c</i>)—			
Rough copper, coins and alloys	74	196	618
Sheets, cylinders, pipes and wire	168	901	1,292
Netherlands—			
Ore	—	394	6,629
Cakes, ingots, bars and tubes	2,399	3,212	3,470
Scrap	160	87	49
Sheets, cable and wire ..	5,628	3,097	2,359
Norway—			
Precipitate	—	969	—
Rough copper and alloys	120	187	339
Portugal—			
Ingots and scrap (<i>k</i>) ..	1,336	(<i>d</i>)	(<i>d</i>)
Wires and tubes (<i>k</i>) ..	255	(<i>d</i>)	(<i>d</i>)
Spain (<i>c</i>)—			
Precipitate and matte ..	(<i>e</i>)	(<i>e</i>)	1,481
Ingots and scrap (<i>k</i>) ..	3,836	4,917	5,548
Bars, sheets, tubes and wire (<i>k</i>)	4,165	3,221	1,883
Sweden—			
Rough copper	17,877	6,093	10,873
Sheets, hoops, rods, pipes, tubes and wire ..	753	458	786
Switzerland—			
Ore, filings and turnings	1,006	485	238
Bars, ingots, sheets, etc. (<i>k</i>)	6,916	4,837	7,451
Scrap (<i>k</i>)	1,866	184	262
Bars, sheets, solder, tubes, and wire (<i>k</i>)	7,598	4,188	2,967
Algeria—			
Copper	598	528	656
Belgian Congo—			
Rough copper	—	1	3
Bars, sheets and wire ..	49	54	35
Tunis (<i>c</i>)—			
Ore	193	(<i>e</i>)	—
Bars, ingots, etc. (<i>k</i>) ..	33	74	30
Scrap	12	1	4
Rolled or beaten copper and wire	666	221	257

IMPORTS OF COPPER (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Ore (<i>i</i>)	23,234	25,303	31,787
Concentrates (<i>i</i>).. ..	20,892	13,739	14,691
Matte and regulus (<i>i</i>) ..	7,855	6,852	3,896
Block, blister and converter copper bars, pigs, etc.	107,864	76,668	135,080
Refined copper ingots, bars, etc.	48,446	30,845	(<i>c</i>) 44,046
Scrap (<i>c</i>)... .. .	5,160	2,548	9,527
Bolivia—			
Copper and bronze ..	31	(<i>e</i>)	(<i>d</i>)
Chile—			
Ore	517	23	(<i>e</i>)
Ingots, bars and sheets	316	99	57
Peru—			
Bars, plates, rivets, sheets, tubes, etc. (<i>k</i>)	213	231	114
China—			
Ingots and blocks ..	24,803	28,424	35,507
Bars, rods, sheets, plates, nails and wire ..	3,541	1,611	1,214
Japan—			
Ingots and blocks ..	22,737	12,880	(<i>c</i>) 22,177

- (*a*) Years ended 31st March of the year following that stated.
(*b*) Including brass.
(*c*) Total imports.
(*d*) Information not available.
(*e*) Less than $\frac{1}{2}$ ton.
(*f*) Overseas trade only.
(*g*) Total imports, excluding transit trade.
(*h*) Years ended 30th June of the year stated.
(*i*) Copper content.
(*j*) Nine months only, April-December.
(*k*) Including brass and bronze.
(*l*) Figures refer to Belgium-Luxemburg Economic Union.
(*m*) Eight months only, May-December.

DIAMONDS

PRODUCTION OF DIAMONDS

(Carats)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Gold Coast	215	1,789	(d)
Southern Rhodesia	249	141	256
Union of South Africa	2,545,017	806,643	652,261
South-West Africa Territory	606,424	171,321	144,156
British Guiana	39,363	102,604	163,641
India	85	126	171
Australia	3,523	1,563	1,000
Total ..	3,194,876	1,084,187	970,000
FOREIGN COUNTRIES			
Angola	93,529	106,719	(c)
Belgian Congo	(a) 274,103	(a) 244,878	250,000
Brazil (b)	(a) 45,000	(a) 50,000	60,000
Borneo	410	1,770	1,539
Total ..	413,000	403,000	410,000
WORLD'S TOTAL	3,608,000	1,487,000	1,380,000

(a) Exports.

(b) Approximate.

(c) Information not available.

(d) The value of the production from the concession owned by Akim, Limited, during the year ended 31st March, 1923, was £9,040.

EXPORTS OF DIAMONDS

(Domestic Produce)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
Gold Coast—				
Diamonds	Carat	102	831	5,306
Southern Rhodesia—				
Diamonds	Carat	245	73	191
South-West Africa Territory—				
Diamonds in the rough ..	Carat	606,422	167,732	140,435
Union of South Africa—				
Diamonds in the rough ..	Carat	2,039,554	316,702	1,330,664
British Guiana—				
Diamonds	Carat	28,000	106,520	163,641
Hong Kong (<i>a</i>)—				
Diamonds	¢	—	320	—
FOREIGN COUNTRIES				
Belgium (<i>d</i>)—				
Crude and unset diamonds	£	357,363	104,765	(<i>b</i>) 122,407
Netherlands—				
Diamonds in the rough ..	£	18,851	—	—
Polished and unset diamonds	£	13,808	—	3,916
Belgian Congo—				
Diamonds	Carat	274,103	244,878	(<i>c</i>)
Brazil—				
Diamonds	£	319,935	159,964	199,623
Carbons	£	184,162	90,302	112,216

(a) Total exports.*(b)* Figure refers to Belgium-Luxemburg Economic Union.*(c)* Information not available.*(d)* See note (*f*), page 85.

IMPORTS OF DIAMONDS

(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom (e)—				
Unset diamonds	Carat	15,534	24,616	25,250
South-West Africa Territory—				
Diamonds	Carat	—	71	—
Union of South Africa—				
Diamonds—				
Uncut	£	—	300	—
Cut	£	22,474	11,113	6,542
Carbons—				
Uncut	£	7,406	2,526	—
Cut	£	—	229	—
Canada (a)—				
Unset diamonds	£	569,689	726,834	429,213
Diamond dust or bort and black diamonds for borers	£	73,471	24,751	76,926
Hong Kong (b)—				
Diamonds	£	613	—	—
FOREIGN COUNTRIES				
Belgium (f)—				
Crude and unset diamonds	£	227,099	92,382	(c) 623,133
Netherlands—				
Diamonds in the rough ..	£	47,821	34,582	38,642
Polished and unset diamonds	£	42,803	11,091	696
United States—				
Unset diamonds for glaziers, engravers and miners ..	Carat	61,214	13,530	(b) 36,668
Uncut diamonds	Carat	121,082	36,120	(b) 144,490
Cut diamonds, unset	Carat	304,076	255,512	(b) 453,723
Diamond dust	£	16,165	6,845	4,414
Chile—				
Unset diamonds	Carat	95,678	115,740	127,314
Philippine Islands—				
Unset diamonds	Carat	16,099	4,431	5,439

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

(b) Total imports.

(c) Figure refers to Belgium-Luxemburg Economic Union.

(d) Information not available.

(e) Excluding diamonds imported from the Union of South Africa, which were, according to the Union Government :—

1920 2,020,548 Carats

1921 272,388 „

1922 1,254,457 „

(f) Figures refer only to those diamonds which pass through the Belgian Customs. The Antwerp Chamber of Commerce reports that the value of the Belgian trade during 1921 was as follows :—

Imports of crude diamonds—110 million francs.

Exports of cut diamonds—340 million francs.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH (a)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Northern Ireland	(c) 6,203	(c) 4,161	1,879
Canada	232	304	196
Australia	1,384	206	481
FOREIGN COUNTRIES			
Czechoslovakia	(b)	(b)	(b)
France	3,700	(b)	(b)
Germany	(b)	(b)	(b)
Italy	25	861	172
Norway (f)	74	111	80
Sweden	611	590	315
Algeria	1,476	(f) 1,539	(f) 3,371
United States	55,287	(d) 49,227	(e) 66,934

(a) Including kieselguhr, infusorial earth and tripolite.

(b) Information not available.

(c) Exports. Exports during 1919 were 6,958 long tons.

(d) Estimated.

(e) Diatomaceous earth and tripoli.

(f) Exports.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
Northern Ireland	6,203	4,161	(a)
FOREIGN COUNTRIES			
France	229	350	1,018
Germany	4,864	(b) 3,360	5,123
Norway—			
Calcined	13	2	34
Other	61	109	46
Sweden	110	59	201
Algeria	1,174	1,539	3,371

(a) Information not available.

(b) Year ended 30th April, 1922.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom ..	2,386	3,518	5,481
FOREIGN COUNTRIES			
Finland (c)	103	156	(a)
France	2,155	1,622	1,378
Germany	501	(b) 18	64
Sweden	299	155	263

(a) Information not available.*(b)* Year ended 30th April, 1922.*(c)* Total imports.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Felspar	3,365	1,090	830
China stone	73,102	34,886	38,921
Canada (b)	33,815	(c) 26,668	24,756
Australia	4	26	85
FOREIGN COUNTRIES			
Finland (e)	7	1,464	1,740
Germany (Bavaria) ..	5,756	7,132	(a)
Italy	2,560	2,360	2,745
Norway (d)	8,420	9,964	11,643
Russia	419	662	(a)
Sweden	11,855	19,845	22,011
United States (b) .. .	135,551	91,865	117,127

(a) Information not available.

(b) Shipments.

(c) Quantity mined during 1921 was 31,858 long tons.

(d) Exports.

(e) Exports less imports.

EXPORTS OF FELSPAR

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

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
Canada (a)	36,886	20,164	22,035
FOREIGN COUNTRIES			
Czechoslovakia (b)	4,560	6,765	6,416
Finland	93	1,467	1,740
Netherlands (c)	18	123	118
Norway—			
Crude	6,294	9,196	9,545
Ground	2,126	768	2,098
Sweden	17,249	19,936	21,691

(a) Years ended 31st March of the year following that stated.*(b)* Total exports.*(c)* Including calcite.

IMPORTS OF FELSPAR

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

Importing Country	1920	1921	1922
BRITISH EMPIRE			
Canada (a)	1,668	1,038	1,517
FOREIGN COUNTRIES			
Czechoslovakia (b)	1,339	2,707	(c)
Denmark	523	372	778
Finland (b)	86	3	(c)
Netherlands (d)	1,477	885	1,148
Rumania (b)	10	(c)	(c)
Sweden	189	35	56

(a) Years ended 31st March of the year following that stated.*(b)* Total imports.*(c)* Information not available.*(d)* Including calcite.

FLUORSPAR

PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	54,683	23,137	33,343
Union of South Africa ..	(£4,000)	(£180)	(£785)
Canada (a)	10,029	4,928	4,021
Australia	1,810	732	—
FOREIGN COUNTRIES			
France	8,852	(b)	(b)
Germany—			
Bavaria	6,171	7,094	(b)
Prussia	7,221	11,796	(b)
Saxony	2,871	4,686	(b)
Italy	800	1,600	1,373
Spain	409	173	386
Mexico (c)	500	500	500
United States (d)	179,796	53,494	118,981

(a) Shipments.

(b) Information not available.

(c) Estimated.

(d) Marketable spar recovered.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	13,304	5,220	22,516
Canada (a)	8,450	1,383	2,629
FOREIGN COUNTRIES			
Czechoslovakia (b) ..	1	17	(c)
Norway	10	10	20
Sweden	7	—	—

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

(b) Total exports.

(c) Information not available.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
Canada (a)	8,252	2,327	6,349
FOREIGN COUNTRIES			
Austria (b)	356	931	(c)
Czechoslovakia (d)	5,398	2,169	(c)
Denmark	166	76	94
Norway	601	76	125
Sweden	2,145	608	56
United States	21,975	5,562	29,561

(a) Years ended 31st March of the year following that stated.*(b)* Total imports, excluding transit trade.*(c)* Information not available.*(d)* Total imports.

FULLER'S EARTH

PRODUCTION OF FULLER'S EARTH

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	28,906	20,242	(c)
India	—	2,807	13,539
Australia	14	—	50
FOREIGN COUNTRIES			
France	(a)	(a)	(a)
United States (b)	114,721	94,294	124,057
WORLD'S TOTAL	143,700	117,400	160,000

(a) Information not available.

(b) Sales.

(c) Information not available for publication.

EXPORTS OF FULLER'S EARTH

(Domestic Produce)

Particulars as to exports of fuller's earth are not available.

IMPORTS OF FULLER'S EARTH

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
Canada (a)—			
Fuller's earth, in bulk ..	(£5,061)	(£3,092)	(£5,678)
Ceylon—			
Fuller's earth	832	641	1,087
Australia (b)—			
Fuller's earth, in bulk ..	42	39	52
FOREIGN COUNTRIES			
Egypt—			
Fuller's earth	200	124	35
United States—			
Unwrought fuller's earth ..	1,355	431	542
Wrought fuller's earth ..	15,622	8,269	8,895

(a) Years ended 31st March of the year following that stated.*(b)* Years ended 30th June of the year stated.

GOLD

PRODUCTION OF GOLD ORE

(In terms of metal)

(Fine ounces)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	35	—	—
Anglo-Egyptian Sudan (d)	3,569	4,157	8,126
Bechuanaland Protectorate (e)	4,783	4,643	6,005
Gold Coast	207,506	203,395	212,690
Nigeria	724	218	745
Northern Rhodesia ..	569	1,383	2,505
Southern Rhodesia ..	552,498	585,525	652,791
Swaziland	127	206	428
Tanganyika Territory ..	(f)	321	376
Union of South Africa ..	8,158,455	8,128,710	7,009,858
Canada	765,007	926,329	1,263,364
British Guiana (c) ..	11,400	11,600	9,100
India	444,500	390,960	432,409
Federated Malay States (c)	11,500	13,200	14,500
Sarawak	16,353	17,091	1,097
Australia	943,300	757,906	755,555
Papua (h)	4,225	3,329	11,607
New Zealand (j)	212,293	149,078	131,056
Total ..	11,337,000	11,198,000	10,510,000
FOREIGN COUNTRIES			
Austria	—	161	547
Czechoslovakia	8,777	11,413	9,645
France	900	96	(f)
Germany	4,437	4,501	5,433
Greece	514	482	(f)
Italy (g)	—	77	720
Jugoslavia	3,215	3,986	6,944
Rumania	22,730	35,494	42,985
Russia and Siberia ..	57,406	44,678	(b) 146,519
Sweden	245	53	32
Abyssinia	(c) 14,100	(l) 30,000	31,909
Algeria	(f)	18,936	(f)
Belgian Congo	96,800	65,715	(m) 74,299
Eritrea	579	484	(f)
Egypt	128	—	241
French West Africa—			
Guinea (i)	1,346	8,293	(f)
Ivory Coast (i)	174	936	(f)
Senegal (i)	—	433	(f)
Sudan (i)	2,273	5,238	(f)

PRODUCTION OF GOLD ORE (*Cont.*)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Madagascar	15,300	13,500	15,600
Portuguese East Africa ..	7,256	6,015	11,735
Mexico	735,078	683,991	748,323
United States, including Philippine Islands ..	2,444,741	2,408,531	(<i>k</i>) 2,375,019
Central America	145,125	120,937	(<i>l</i>) 121,000
Argentina	4,837	3,628	(<i>f</i>)
Bolivia	242	290	16,011
Brazil	125,775	134,482	146,668
Chile	53,190	45,147	79,828
Colombia	280,575	290,250	(<i>f</i>)
Dutch Guiana	12,646	9,434	10,036
Ecuador	36,281	36,259	(<i>f</i>)
French Guiana	43,538	48,375	(<i>f</i>)
Peru	62,748	77,385	81,436
Uruguay	(<i>f</i>)	339	(<i>f</i>)
Venezuela	26,900	(<i>i</i>) 35,783	17,361
China (<i>l</i>)	125,000	100,000	100,000
Dutch East Indies (<i>g</i>) ..	88,842	94,171	104,295
Formosa	13,500	28,455	28,356
French Indo-China (<i>i</i>) ..	11,317	42	(<i>f</i>)
Japan	248,120	237,051	241,992
Korea	76,000	130,893	127,892
Other Asia (<i>l</i>)	29,000	30,000	(<i>f</i>)
Total ..	4,820,000	4,770,000	5,000,000
WORLD'S TOTAL	16,160,000	15,970,000	15,500,000

- (*a*) Gold content of quartz produced only. Information as to gold obtained from copper ore produced is not available.
- (*b*) Year ended 30th September, 1922.
- (*c*) Estimated.
- (*d*) Exports of bullion.
- (*e*) Years ended 31st March of the year following that stated.
- (*f*) Information not available.
- (*g*) Revised figures.
- (*h*) Years ended 30th June of the year stated.
- (*i*) Exports.
- (*j*) Gold content of exports, excluding jewellers' sweepings.
- (*k*) Preliminary figures of refinery production.
- (*l*) Approximate production.
- (*m*) From Kilo Moto mines only.

EXPORTS OF GOLD

(Domestic Produce)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Gold bullion, refined (a)	Ounce	17,804,239	10,599,949	8,818,569
Gold coin (a)—				
Of legal tender in the United Kingdom ..	do.	3,064,422	516,978	957,229
Not of legal tender in the United Kingdom	do.	1,028	207,723	4,690
Gold leaf	£	6,901	4,898	6,033
Anglo-Egyptian Sudan—				
Gold bullion	Ounce	3,569	4,157	8,126
Gold Coast—				
Gold and gold dust ..	Ounce	230,505	220,639	228,132
Northern Rhodesia—				
Gold bullion	Ounce	294	1,548	2,730
Southern Rhodesia—				
Gold concentrates ..	Lb.	14,986	15,000	1,745
Gold bullion	Ounce	616,708	591,554	669,970
Union of South Africa—				
Gold slag or concentrates	£	—	850	4,000
Gold bullion	Ounce	9,364,087	8,862,748	7,540,393
Gold coin	£	33,344	—	—
Canada (c)—				
Gold-bearing quartz, dust, nuggets, also bullion obtained direct from mining operations ..	Dollar	3,038,779	2,532,050	5,449,469
British Guiana—				
Gold bullion	Ounce	10,063	10,247	9,522
Hong Kong (a)—				
Gold bullion	£	1,459,136	320,595	77,409
Gold coin—				
British	£	1,124,181	594,965	236,988
Foreign	£	25,458,838	4,236,323	1,710,841
Gold leaf	£	3,914,689	1,939,699	1,949,537
India (a) (c)—				
By land—				
Gold	Rupee	109,712	73,415	136,372
By sea—				
Gold bullion	Ounce	2,508,604	1,694,777	787
Sovereigns and other				
British gold coin ..	do.	259,456	184,642	5,247
Other gold coin ..	do.	138,972	169,873	13,421

EXPORTS OF GOLD (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Straits Settlements (e)—				
Gold bullion	Dollar	4,892,469	6,437,812	3,304,217
Gold coin	do.	139,325,110	8,245,634	7,131,451
Gold thread	do.	19,212	14,380	5,433
Australia (f)—				
Gold ore, quartz and concentrates	Cwt.	—	9	(b)
<i>Gold content</i>	Ounce	—	21	(b)
Gold content of matte ..	Ounce	205	1,757	600
Gold dust, bullion and sheet	do.	41,324	142	40
Gold coin (a)	£	5,321,053	5,303,423	3,480,420
New Zealand—				
Gold and silver ore and auriferous quartz ..	Long ton	2	8	—
<i>Gold content</i>	Ounce	1	17	—
Gold and silver concentrates, etc.	Long ton	390	366	306
<i>Gold content</i>	Ounce	2,643	1,532	3,968
Jewellers' sweepings, etc., of gold, silver and platinum	Long ton	6	3	3
<i>Gold content</i>	Ounce	680	517	792
Gold dust, bullion and sheet	Ounce	209,649	147,529	127,088
Papua (f)—				
Gold	Ounce	11,750	5,984	51,926
FOREIGN COUNTRIES				
Belgium (a)—				
Gold bullion	Ounce	2,540	5,401	(i) 3,987
Gold coin	do.	836	64	(i) 4,115
Czechoslovakia (a)—				
Gold ores in powder ..	Cwt.	1,161	2,496	(b)
Crude gold	Ounce	804	354	(b)
Gold scrap	do.	1,222	225	(b)
France—				
Gold bullion	Ounce	1,553,552	2,971,045	240,546
Gold coin (a)	do.	28,646	250,545	14,146
Drawn or rolled gold ..	do.	7,137	5,530	5,208
Gold wire	do.	24,884	4,951	16,204
Gold leaf	do.	2,894	3,183	514
Germany—				
Gold, silver and platinum ore	Lb.	55	—	—
Fine gold, hammered and rolled; alloyed gold, crude or cast; bars of native gold	Ounce	27,585	(g) 53,980	83,741

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Germany (<i>Cont.</i>)—				
Gold coin (<i>a</i>)—				
German	Ounce	32	(g) 32	42
Foreign	do.	64	—	58
Gold leaf and tinsel ..	do.	523,016	(g) 237,878	543,611
Italy (<i>a</i>)—				
Gold dust, scrap and bullion	Ounce	1,511	5,658	10,867
Gold leaf	do.	2,250	1,833	80,375
Netherlands—				
Gold dust, scrap and bullion	Ounce	110,821	665,376	16,075
Gold coin	do.	562,368	1,122,421	567,801
Gold leaf and wire ..	do.	2,411	64	—
Spain (<i>a</i>)—				
Gold bullion	Ounce	43,467	32,922	402
Gold coin	do.	386	—	—
Sweden—				
Gold scrap	Ounce	765	323	144
Gold bullion	do.	444,971	3,042,837	1,251,021
Gold coin (<i>a</i>)	Krona	25,235,815	680,337,293	237,707,977
Gold sheet and wire ..	Ounce	116	76	159
Gold leaf, including silver leaf, etc.	do.	3,151	32	32
Switzerland—				
Gold bullion	Ounce	15,400	3,581,638	7,041
Gold coin (<i>a</i>)	do.	129	32	78,575
Gold, silver or platinum—				
Rolled in sheets or strips	do.	16,911	5,980	2,861
Wire and thread, also metal wire covered with gold or silver ..	do.	27,906	21,412	8,745
Gold or silver tissue and gold or silver leaf ..	do.	3,022	193	96
Belgian Congo—				
Gold bullion	Ounce	162,203	81,245	80,825
Gold coin (<i>a</i>)	do.	4,083	—	—
Egypt—				
Gold bullion	Ounce	1,059	2,423	2,612
French West Africa—				
Gold—				
Guinea	Ounce	1,346	8,293	(b)
Ivory Coast	do.	174	936	(b)
Sudan	do.	2,273	5,238	(b)
Madagascar and Dependencies—				
Gold	Ounce	12,622	12,497	(b)

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Mexico—				
Gold	Ounce	233,248	223,475	268,517
United States—				
Gold ore and base bullion	Dollar	11,260	77,413	73,709
Refined bullion ..	Ounce	1,852,974	78,120	264,077
United States gold coin	Dollar	282,293,126	17,921,219	30,323,172
Brazil—				
Gold coin	Milreis	285,000	23,867	—
Chile—				
Gold ores	Cwt.	63	4,323	692
Gold and silver ores ..	do.	374	(b)	3,151
Gold, silver and copper ores	do.	5,829	23,061	76,039
Gold and copper ores ..	do.	—	10,281	17,754
Unmanufactured gold, including coin ..	Ounce	28,421	70,667	1,725,937
French Guiana—				
Gold	Ounce	56,799	41,706	(b)
China (a)—				
Gold bullion	} Haikwan { } tael {	35,228,151	35,997,523	1,432,832
Gold coin		33,241,209	9,962,104	4,252,037
Dutch East Indies (a) —				
Java and Madura—				
Gold bullion	Gulden	2,815,700	2,008,143	3,488,905
Gold coin	do.	4,366,648	667,584	28,380
Other Islands—				
Gold ore	Cwt.	778	(h) 127	(h) 192
Gold bullion	Gulden	2,478,500	1,535,000	879,200
French Indo-China—				
Gold	Ounce	11,317	42	(b)
Japan (a)—				
Gold coin	Yen	10,000	—	—
Siam (d)—				
Gold leaf	Tical	385	—	320

(a) Total exports.

(b) Information not available.

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

(d) Figures refer to the port of Bangkok only, through which port about 85 per cent. of the total trade of Siam passes, and to years ended 31st March of the year following that stated. Re-exports are included.

(e) Total exports, excluding transit trade.

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

(g) Eight months only, May-December.

(h) Gold and silver-bearing mattes and slags.

(i) Figures refer to Belgium-Luxemburg Economic Union.

IMPORTS OF GOLD

(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Gold ore, including value of gold contained in auriferous ores and metals	£	117,549	83,205	136,772
Gold bullion (b)—				
Unrefined in dust, amalgam and bars	Ounce	10,592,116	9,203,809	2,716,892
Refined in bars ..	do.	1,447,825	1,136,831	5,903,505
Gold coin (b)—				
Of legal tender in the United Kingdom ..	do.	94,531	328,167	1,312
Not of legal tender in the United Kingdom	do.	262,636	901,412	5,905
Gold leaf	£	6,291	1,767	37
Malta—				
Gold bullion and coin ..	Ounce	(a)	50,577	18,384
Anglo-Egyptian Sudan—				
Gold coin	£ (<i>Egyptian</i>)	949	848	—
Gold Coast—				
Gold bullion	Ounce	4,120	(£137)	(a)
Gold coin	£	32,780	(572d)	(a)
Kenya—				
Gold bullion	Ounce	(a)	(a)	1,327
Mauritius—				
Gold coin	Rupee	27,350	34,350	191,500
Zanzibar—				
Gold bullion	£	11,065	621	—
Gold coin	Ounce	(£195,221d)	(3,740d)	1,115
Southern Rhodesia (b)—				
Gold coin	£	4,746	—	5,190
Union of South Africa (b)—				
Gold bullion	£	59	1,488	64
Gold coin	do.	3,541,141	1,000	36,321
Canada (c)—				
Bullion or gold fringe ..	Dollar	42,629	59,560	43,235
British Guiana—				
Gold bullion	Ounce	489	293	283
Gold coin	Dollar	6,461	(1,560d)	—
Trinidad and Tobago—				
Gold bullion	Ounce	(878d)	(231d)	(114d)
Gold coin	£	(1,458d)	(93,862d)	(7,311d)

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)				
Cyprus—				
Gold bullion	Ounce	3	1	—
Ceylon—				
Gold bullion	Rupee	172,420	—	—
Gold coin	do.	25,665,326	440,000	800,998
Hong Kong (<i>b</i>)—				
Gold bullion	£	905,233	851,212	109,334
Gold coin—				
British	£	336,313	85,810	28,935
Foreign	£	17,697,554	4,397,819	1,404,679
Gold leaf	£	55,588	112,646	5,796
India (<i>b</i>) (<i>c</i>)—				
By land—				
Gold	Rupee	57,606,082	119,415	155,084.
By sea—				
Gold bullion and other uncoined gold ..	Ounce	2,679,742	776,108	4,258,551
Sovereigns and other British gold coins ..	do.	613,977	457,820	1,478,913
Other gold coin ..	do.	433,870	565,008	140,289
Straits Settlements (<i>f</i>)—				
Gold bullion	Dollar	39,053,619	6,427,687	5,438,576
Gold coin	do.	159,036,698	4,801,743	10,209,917
Gold thread	do.	101,462	84,527	71,464
Australia (<i>g</i>)—				
Gold ore, quartz and concentrates	Cwt.	10,720	6,640	3,320
Gold content of matte ..	Ounce	3,019	1,002	15,049
Gold dust, bullion and sheet	do.	9,278	1,961	3,722
Gold coin (<i>b</i>)	£	19	13	7
New Zealand—				
Gold dust, bullion and sheet	Ounce	349	159	148
Gold coin	do.	(10,000 <i>a</i>)	—	—
Gold leaf	£	7,000	1,651	2,537
FOREIGN COUNTRIES				
Belgium (<i>b</i>)—				
Gold bullion	Ounce	11,735	30,125	(<i>e</i>) 56,445
Czechoslovakia (<i>b</i>)—				
Crude gold	Ounce	1,993	119,920	(<i>a</i>)
Gold bullion	do.	322	—	(<i>a</i>)
Gold scrap	do.	—	354	(<i>a</i>)

IMPORTS OF GOLD (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
France—				
Gold ore	Ounce	16,075	9,645	9,645
Gold bullion	do.	462,799	410,845	224,921
Gold coin (b)	do.	22,601	1,962,822	343,523
Drawn or rolled gold ..	do.	10,192	21,251	2,701
Gold wire	do.	643	257	96
Gold leaf	do.	11,060	26,588	32,439
Germany—				
Gold and platinum ore	Lb.	25,346	(h) 2,645	(j) 1,102
Gold scrap	Ounce	3,653,815	(h) 1,489,606	2,688,351
Fine gold, hammered and rolled; alloyed gold, crude or cast; bars of native gold	do.	94,714	(h) 707	41,004
Gold coin (b)—				
German	do.	579	—	10
Foreign	do.	100,855	(h) 37,133	15,426
Gold leaf and tinsel ..	do.	32	(h) 868	479
Italy (b)—				
Gold dust, scrap and bullion	Ounce	56,520	28,067	94,135
Gold coin	do.	418	1,897	707
Gold leaf	do.	26,910	10,095	7,362
Netherlands—				
Gold and silver ore ..	Ounce	3,762	—	—
Gold dust, scrap and bullion	do.	133,101	41,409	15,593
Gold coin	do.	346,609	387,343	36,973
Gold leaf and wire ..	do.	10,802	8,584	(£435)
Norway (b)—				
Gold in sheets, smooth, rolled	Ounce	778	2,434	2,032
Gold wire, smooth ..	do.	289	3	35
Gold, silver and other metal leaf	do.	44,624	21,090	27,745
Gold, silver and platinum, unworked, also coin and medals	Krone	3,425,800	2,277,000	2,019,200
Portugal—				
Gold dust and scrap ..	Ounce	64	(a)	(a)
Gold coin	do.	354	(a)	(a)
Gold, beaten and rolled, including gold wire ..	do.	3	(a)	(a)
Gold leaf	do.	450	(a)	(a)

IMPORTS OF GOLD (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Spain (b)—				
Gold bullion	Ounce	—	1,032	948
Gold coin	do.	75,038	325	23,534
Sweden—				
Gold scrap	Ounce	113	166	5,872
Gold bullion	do.	742,569	473,758	56,873
Gold coin (b)	Krona	209,758,054	644,734,051	292,953,992
Gold sheet and wire ..	Ounce	422	1,619	1,567
Gold leaf, including silver leaf, etc.	do.	65,072	42,052	44,656
Switzerland—				
Gold bullion	Ounce	280,412	412,774	251,349
Gold coin (b)	do.	71,148	4,492,416	1,586,699
Gold, silver or platinum—				
Rolled in sheets or strips	do.	47,839	30,575	89,473
Wire and thread; also metal wire covered with gold or silver	do.	15,207	17,104	25,527
Gold or silver tissue and gold or silver leaf ..	do.	4,244	11,027	13,085
Egypt (b)—				
Gold bullion	Ounce	137,989	1,710	14,761
Gold coin	£ (Egyptian)	211,330	17,273	60,634
Gold leaf	Ounce	—	2,553	2,889
Tunis (b)—				
Gold bullion	Ounce	—	—	1,543
Gold coin	do.	21	—	10
Rolled or drawn gold ..	do.	1,702	221	1,331
Gold leaf	do.	10	—	—
United States—				
Gold ore and base bullion	Dollar	16,984,171	33,564,061	24,275,253
Refined bullion	Ounce	16,152,364	24,306,266	8,788,875
United States gold coin	Dollar	18,093,178	37,966,552	4,868,558
Foreign gold coin	do.	55,048,210	113,846,912	63,404,415
Argentina—				
Gold dust and bullion ..	Ounce	1,210	138	306
Gold leaf	do.	32,504	7,298	18,197
Brazil (b)—				
Gold ore, dust, scrap and bullion	Ounce	20	—	—
Gold coin	Milreis	2,019,500	164,923	—
Gold leaf	Ounce	1,648	360	306

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Chile—				
Gold bullion ..	Peso of {	6,661,399	13,086,051	—
Gold coin ..		18d. {	7,771,871	—	50
Gold, silver or platinum leaf	Ounce	3,431	789	1,702
China (<i>b</i>)—				
Gold bullion ..	Haikwan {	23,022,152	3,079,857	1,548,623
Gold coin ..		tael {	27,944,728	26,419,375	8,259,157
Dutch East Indies—				
Java and Madura (<i>b</i>)—				
Gold bullion	Gulden	5,777,665	12,384,084	3,341,071
Gold coin	do.	63,599,387	22,281,436	10,632,981
Gold leaf	do.	29,747	20,205	14,217
Other Islands (<i>b</i>)—				
Gold bullion	Gulden	2,142,809	1,535,176	1,167,622
Gold coin	do.	219,763	825,046	740,945
Gold leaf	do.	12,726	138,571	248,045
Japan (<i>b</i>)—				
Gold bullion	Ounce	3,592,433	2,693,310	28,413
Gold coin	Yen	249,433,502	21,802,392	5,260
Siam (<i>b</i>) (<i>i</i>)—				
Gold coin	Tical	800	—	15,522
Gold leaf	Ounce	162,534	190,484	223,813

(a) Information not available.

(b) Total imports.

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

(d) Excess of re-exports.

(e) Figures refer to Belgium-Luxemburg Economic Union.

(f) Total imports, excluding transit trade.

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

(h) Eight months only, May-December.

(i) The figures given refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes, and to the years ended 31st March of the year following that stated.

(j) Gold ore only.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Nyasaland (a)	—	—	4
Union of South Africa ..	65	42	37
Canada	1,955	837	533
Ceylon (a)	9,205	4,350	10,850
India	100	25	—
Australia	53	—	50
Total ..	11,378	5,254	11,474
FOREIGN COUNTRIES			
Austria	11,358	13,067	13,808
Czechoslovakia (b) ..	14,800	8,400	12,800
France	300	(d)	(d)
Germany	20,300	24,200	(b) 34,000
Italy	5,311	5,149	4,473
Norway (a)	866	443	1
Spain (c)	6,213	2,727	521
Madagascar	4,000	6,000	(a) 6,568
Mexico	3,171	2,864	2,021
United States	8,491	2,176	2,790
Japan	1,113	854	1,027
Korea	11,011	(a) 7,987	(a) 18,872
Total ..	86,900	74,000	97,000
WORLD'S TOTAL	98,300	79,000	108,000

(a) Exports.

(b) Approximate production.

(c) Crude.

(d) Information not available.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Crucibles	4,114	2,002	2,586
Nyasaland	—	—	4
Canada (a)	1,399	561	474
Ceylon	9,205	4,350	10,850
Hong Kong (b)	13	3	88
India (a) (h)	1	—	(f)
Australia (c)	10	17	5
FOREIGN COUNTRIES			
Austria (d)	7,874	7,863	(e)
Czechoslovakia (b)	11,547	10,347	10,483
Denmark	(f)	10	62
France	4,451	2,204	3,636
Germany	2,568	(g) 1,373	2,626
Italy	3,708	1,648	2,079
Norway	866	443	1
Russia (b)	—	1,135	(e)
Sweden	47	7	36
Madagascar	14,680	6,268	6,568
United States	542	822	509
Brazil	—	(f)	—
Chile	2	—	—
Japan	5,086	3,086	3,046
Korea	(e)	7,987	18,872

(a) Years ended 31st March of the year following that stated.*(b)* Total exports.*(c)* Years ended 30th June of the year stated. The figures include black-lead and foundry-black.*(d)* Total exports, excluding transit trade.*(e)* Information not available.*(f)* Less than $\frac{1}{2}$ ton.*(g)* Eight months only, May–December.*(h)* Overseas trade only.

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Natural	15,165	7,499	8,719
Artificial.. .. .	771	54	30
Crucibles	48	205	204
Southern Rhodesia	5	5	5
Union of South Africa	93	37	63
Canada (b)—			
Unground	(£1,342)	(£736)	(£191)
Crucibles	(£16,278)	(£6,124)	(£8,586)
Hong Kong (c)	12	39	30
India (b) (h)—			
Graphite	410	422	314
Crucibles	177	47	111
Australia (e) (£ Australian)	(£6,937)	(£9,812)	(£6,890)
FOREIGN COUNTRIES			
Austria (d)	756	1,002	(f)
Czechoslovakia (c).. .. .	671	823	905
Denmark	386	595	336
Finland (c)	62	18	(f)
France	7,808	7,722	4,758
Germany	16,826	(g) 10,893	17,064
Italy	1,591	504	832
Rumania (c)	945	(f)	(f)
Sweden	493	224	248
Egypt	8	8	36
Tunis (c)	3	5	2
United States	18,835	7,298	11,243
Argentina	256	135	197
Chile	71	63	50
Peru (a)	28	12	11

(a) Including emery powder.

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

(c) Total imports.

(d) Total imports, excluding transit trade.

(e) Years ended 30th June of the year stated. Figures include black-lead and foundry-black.

(f) Information not available.

(g) Eight months only, May-December.

(h) Overseas trade only.

GYPSUM

PRODUCTION OF GYPSUM

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	286,978	264,864	257,540
Union of South Africa ..	(£14,098)	(£8,681)	(£4,877)
Canada	410,732	387,987	432,704
Cyprus (b)	7,114	8,881	11,873
India	33,551	33,801	40,646
Australia	43,585	45,822	53,941
Total ..	786,000	744,000	798,000
FOREIGN COUNTRIES			
Austria (c)	22,373	16,953	(d)
France	1,473,932	(d)	(d)
Germany—			
Bavaria	47,799	(d)	(d)
Prussia	(d)	(a) 2,928	(d)
Greece	1,129	1,243	(d)
Italy (e)	353,156	448,071	440,446
Spain (b)	5,575	4,601	4,254
Algeria	24,346	(d)	(d)
United States	2,793,877	2,581,057	3,374,954
Argentina (b)	2,010	1,771	1,289
Chile	5,185	11,616	(d)
China (b)	5,202	6,059	7,631
New Caledonia	13,188	(d)	(d)
Total ..	4,750,000	4,800,000	5,000,000
WORLD'S TOTAL	5,540,000	5,500,000	6,000,000

(a) Alabaster only.

(b) Exports.

(c) Exports less imports.

(d) Information not available.

(e) Including alabaster.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Plaster of Paris, etc. ..	2,431	1,796	3,384
Canada (b)—			
Crude gypsum	225,980	198,813	306,338
Plaster of Paris, etc. ..	10,505	3,411	3,105
Cyprus—			
Gypsum	7,114	8,881	11,873
Hong Kong (c)—			
Gypsum	1,053	1,550	1,128
Australia (d)—			
Gypsum	5,350	3,155	1,784
Plaster of Paris, etc. ..	415	1,094	992
FOREIGN COUNTRIES			
Austria (e)—			
Gypsum	22,863	17,500	(a)
Czechoslovakia (c)—			
Crude and calcined gypsum	152	62	103
Alabaster and marble ..	797	1,750	(a)
Denmark—			
Crude, ground and calcined gypsum	108	3	3
France—			
Alabaster	10	1	7
Plaster of Paris	78,267	79,289	114,806
Germany—			
Gypsum, including super- phosphate	(a)	(a)	123,915
Italy—			
Gypsum	569	606	694
Crude alabaster	714	845	1,461
Netherlands—			
Gypsum	37	32	43
Portugal—			
Gypsum	23	(a)	(a)
Rumania (c)—			
Gypsum	2,152	(a)	(a)
Spain (c)—			
Gypsum	5,575	4,601	4,254
Sweden—			
Calcined gypsum	18	(f)	—

EXPORT OF GYPSUM (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland—			
Limestone and gypsum, not calcined	262	11	18
Calcined gypsum	2,614	337	704
Egypt—			
Plaster of Paris	13	22	9
United States—			
Gypsum, crude or ground, and plaster of Paris	—	—	6,389
Argentina—			
Gypsum	2,010	1,771	1,289
Chile—			
Gypsum	(a)	(a)	10
China—			
Gypsum	5,202	6,059	7,631

(a) Information not available.

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

(c) Total exports.

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

(e) Total exports, excluding transit trade.

(f) Less than $\frac{1}{2}$ ton.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Gypsum, including alabaster	2,839	6,057	18,315
Plaster of Paris, etc. ..	78	1,589	2,801
Union of South Africa—			
Gypsum and plaster of Paris	278	317	274
Canada (b)—			
Crude gypsum	4,285	324	2,671
Ground gypsum	97	79	131
Plaster of Paris, etc. ..	2,885	2,192	3,201
Newfoundland (d)—			
Gypsum, plaster of Paris, etc.	(£443)	(£568)	(£444)
Hong Kong (c)—			
Gypsum	3,287	2,279	2,797
Australia (d)—			
Gypsum	13	14	16
Plaster of Paris	1,375	1,541	1,599
New Zealand—			
Gypsum, plaster of Paris, etc.	3,345	4,593	3,484
FOREIGN COUNTRIES			
Austria (e)—			
Gypsum	490	547	(a)
Czechoslovakia (c)—			
Crude and calcined gypsum	27,575	19,449	26,428
Alabaster and marble ..	192	195	(a)
Denmark—			
Crude, ground and calcined gypsum	12,255	10,337	17,170
Finland (c)—			
Crude gypsum	2,965	2,230	(a)
Calcined gypsum	1,911	1,185	(a)
France—			
Alabaster	185	100	161
Plaster of Paris	8,378	12,498	8,920
Germany—			
Gypsum, including super- phosphate	(a)	(a)	3,592
Greece—			
Plaster of Paris, etc. ..	48	117	61

IMPORTS OF GYPSUM (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Italy—			
Gypsum	1,095	2,025	1,357
Crude alabaster	168	(g)	—
Netherlands—			
Gypsum	13,335	14,747	18,333
Norway—			
Ground gypsum	11,519	5,797	8,723
Portugal—			
Calcined gypsum	26	(a)	(a)
Rumania (c)—			
Gypsum	24	(a)	(a)
Sweden—			
Crude gypsum	10,481	3,519	11,749
Ground gypsum	1	11	36
Calcined gypsum	3,473	2,750	3,144
Switzerland—			
Limestone and gypsum, not calcined	1,566	2,682	4,010
Calcined gypsum	2,703	2,508	2,305
Egypt—			
Plaster of Paris	5,668	7,515	12,194
Tunis (c)—			
Alabaster	2	7	5
Cuba (c)—			
Gypsum .. (Barrels)	(71,235)	(31,679)	(44,958)
United States—			
Crude, ground and calcined gypsum	265,542	242,224	366,908
Argentina—			
Gypsum	453	381	894
Bolivia—			
Gypsum	16	17	(a)
Chile—			
Gypsum	—	33	34
China—			
Gypsum	898	652	6,949

(a) Information not available.

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

(c) Total imports.

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

(e) Total imports, excluding transit trade.

(f) Excluding ground gypsum.

(g) Less than $\frac{1}{2}$ ton.

IRON AND STEEL

PRODUCTION OF IRON ORE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	12,706,895	3,477,955	6,883,493
Union of South Africa ..	3,471	2,157	1,883
Canada (d)	115,243	53,133	16,046
Newfoundland	(b) 510,600	(b) 514,203	1,002,971
India	558,005	942,084	625,274
Unfederated Malay States	—	74,250	111,367
Australia	605,626	689,275	169,487
Total ..	14,500,000	5,800,000	8,900,000
FOREIGN COUNTRIES			
Austria	428,070	699,506	1,094,537
Belgium	16,980	58,534	70,105
Czechoslovakia	1,040,332	(g) 569,080	(f)
France	13,697,958	13,890,000	20,459,041
Germany	6,259,374	5,797,307	(h) 5,160,000
Greece	44,850	35,082	48,480
Hungary	100,031	35,436	45,171
Italy	383,699	280,870	309,357
Jugoslavia	1,112	15,071	35,077
Luxemburg	3,644,855	2,982,903	4,416,830
Norway	77,935	54,091	254,655
Poland, excluding Upper Silesia	118,882	226,000	379,871
Portugal	12,639	10,203	(f)
Rumania	72,652	89,645	93,089
Russia	158,000	134,636	205,000
Spain	4,693,136	2,560,545	2,754,435
Sweden	4,446,483	6,360,456	6,101,581
Algeria	1,068,575	720,991	1,029,436
Belgian Congo	78,451	72,038	70,159
Egypt	76,315	54,180	(f)
Morocco	208,539	(c) 113,633	(a) 220,313
Tunis	399,750	269,016	544,900
Cuba (d)	882,783	130,322	444,794
United States	67,890,880	29,556,676	47,381,807
Chile	3,050	7,800	284,941
China	1,465,789	1,291,000	(h) 1,500,000
Indo-China	2,338	—	(f)
Japan	200,287	19,615	(f)

PRODUCTION OF IRON ORE (*Cont.*)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Korea	447,124	(e) 195,231	(e) 87,682
Philippine Islands ..	114	(f)	(f)
Total ..	107,900,000	66,200,000	93,000,000
WORLD'S TOTAL	122,400,000	72,000,000	102,000,000

(a) Shipments from Riff mines.

(b) Exports during year ended 30th June of the year stated.

(c) Exports from Melilla.

(d) Shipments from mines.

(e) Exports.

(f) Information not available.

(g) From mines controlled by Prager Eisenindustrie Gesellschaft und Oesterreichische Berg- und Hüttenwerks Gesellschaft.

(h) Approximate production.

EXPORTS OF IRON ORE

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

Exporting Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	2,095	1,566	6,749
Canada (a)	16,046	4,272	1,971
Newfoundland (b)	510,600	514,203	484,322
Australia (b)	73	102	61
FOREIGN COUNTRIES			
Austria (c)	114,372	91,235	40,691
Belgium	150,353	172,973	(d) 1,086,418
Czechoslovakia (e)	42,103	32,552	60,246
France	4,761,738	5,212,845	9,313,625
Germany	74,287	(g) 48,700	170,273
Greece	53,125	—	—
Italy	375	1,506	95,026
Luxemburg	2,010,057	1,641,765	(h)
Netherlands	67,550	50,987	51,874
Norway	222,144	176,651	280,722
Spain (e)	4,556,241	1,795,428	3,739,882
Sweden	3,668,699	4,267,341	5,236,514
Switzerland	17,794	37,696	57,894
Algeria	1,096,508	673,956	1,274,096
Tunis (e)	431,525	200,734	591,954
United States	1,145,037	440,106	602,194
Cuba	663,104	126,175	408,981
China	672,150	506,961	661,871
Korea (e)	(f)	195,231	87,682

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

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

(c) Total exports, excluding transit trade.

(d) Figure refers to Belgium-Luxemburg Economic Union.

(e) Total exports.

(f) Information not available.

(g) Eight months only, May-December.

(h) See Belgium.

IMPORTS OF IRON ORE

(Less Re-exports)

(Long tons)

Importing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	6,499,551	1,887,642	3,472,575
Canada (a)	1,741,331	586,520	933,035
India (a) (j)	9	511	41
Australia (b)	65	59	7
FOREIGN COUNTRIES			
Austria (i)	(e)	323	387
Belgium	2,410,986	1,652,925	(c) 4,043,582
Czechoslovakia (d)	553,846	379,148	150,432
Finland	15,456	2,332	(e)
France	398,220	449,203	371,711
Germany	5,820,352	(f) 4,538,158	10,836,727
Italy	1,581	1,037	1,215
Luxemburg (g)	949,613	1,037,501	(h)
Netherlands	1,211	818	457
Sweden	750	—	—
Switzerland	22,389	21,606	26,542
United States	1,273,456	315,768	1,135,156
China	19,783	5,900	1,260
Japan	657,067	573,438	811,993

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

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

(c) Figure refers to Belgium-Luxemburg Economic Union.

(d) Total imports.

(e) Information not available.

(f) Eight months only, May-December.

(g) Total imports from France.

(h) See Belgium.

(i) Total imports, excluding transit trade.

(j) Overseas trade only.

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

Port	1920	1921	1922
ENGLAND AND WALES			
North-East—			
Grimsby, including Im- mingham	65,909	175,459	67,723
Hartlepool	194,367	47,891	63,404
Middlesbrough	1,583,382	725,988	1,410,953
Newcastle, including			
Shields	389,286	177,092	140,360
Stockton	87,740	21,713	43,059
Sunderland	237,824	46,461	24,932
North-West—			
Barrow-in-Furness	353,488	94,766	103,821
Chester	3,174	—	890
Lancaster	80,116	10,619	2,458
Liverpool	82,719	54,114	19,584
Manchester	136,392	66,476	91,655
Maryport	153,957	33,099	74,816
Whitehaven	1,644	750	—
Workington	33,133	23,456	26,099
South-West—			
Cardiff	691,599	31,305	351,453
Newport	487,321	73,765	249,416
Port Talbot	68,039	29,999	136,411
Swansea	68,318	30,129	85,863
SCOTLAND			
Ardrossan	302,779	51,456	122,917
Ayr	72,821	23,376	3,122
Glasgow	891,833	181,037	290,678
Granton	340	—	—
Grangemouth	288,203	56,148	110,552
Troon	82,181	10,081	3,650

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	8,034,700	2,616,300	4,902,300
Union of South Africa ..	1,346	1,025	—
Canada	998,722	616,847	403,806
India	312,439	371,062	340,237
Australia	344,000	352,365	83,533
Total ..	9,691,000	3,958,000	5,730,000
- FOREIGN COUNTRIES			
Austria	98,163	220,430	315,770
Belgium	1,098,458	857,996	1,587,234
Czechoslovakia	698,481	534,372	92,000
Finland	12,753	6,966	(a)
France	3,378,605	3,362,038	5,144,546
Germany	5,467,000	8,400,000	6,498,000
Hungary	30,000	50,000	115,000
Italy	107,202	75,743	174,955
Jugoslavia	18,350	12,851	16,085
Luxemburg	681,799	954,741	1,652,339
Norway	5,678	2,469	3,699
Poland	(c) 41,927	(c) 59,472	459,000
Rumania	18,702	32,826	30,914
Russia	113,302	114,637	170,743
Spain	247,371	341,912	206,722
Sweden	476,393	314,894	271,014
Mexico	15,231	40,872	23,387
United States	36,925,987	16,688,126	27,219,904
Brazil	(a)	17,462	(a)
China (b)	182,000	182,000	500,000
Japan	165,427	95,037	76,020
Korea	41,634	81,676	81,884
Philippine Islands ..	86	(a)	(a)
Total ..	49,800,000	32,400,000	44,700,000
WORLD'S TOTAL	59,500,000	36,400,000	50,400,000

(a) Information not available.

(b) Approximate production.

(c) Excluding Upper Silesia.

EXPORTS OF PIG-IRON AND FERRO-ALLOYS.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge or foundry ..	265,600	51,727	400,481
Acid	187,702	50,670	242,330
Basic	8,873	817	8,401
Spiegeleisen and ferro- manganese	114,728	31,415	140,923
Ferro-silicon	2,606	440	953
Other ferro-alloys		617	808
Canada (a)—			
Pig-iron	62,643	2,242	36,440
Ferro-alloys	18,790	9,896	21,112
Hong Kong (b)—			
Iron and steel pigs and kettle	570	376	508
India (a) (c)—			
Pig-iron	48,424	59,517	118,545
Ferro-manganese	3,873	—	16,025
Australia (d)—			
Pig-iron	19,229	9,034	1,140
FOREIGN COUNTRIES			
Austria (g)—			
Pig-iron	35,622	39,144	(e) 55,624
Belgium—			
Pig-iron	49,357	175,430	(i) 213,437
Czechoslovakia (b)—			
Pig-iron	24,844	48,885	(e) 57,150
Spiegeleisen	21	684	(f)
Other ferro-alloys	3,755	1,078	(f)
Finland—			
Pig-iron and ferro-alloys ..	278	1,725	620
France—			
Pig-iron and spiegeleisen ..	282,635	653,534	709,132
Ferro - alloys, excluding spiegeleisen	8,571	6,213	9,336
Germany—			
Pig-iron	76,573	(h) 165,445	155,256
Ferro-alloys	5,883	(h) 7,313	14,299
Italy—			
Pig-iron	41	262	81

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

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Netherlands—			
Pig-iron and ferro-alloys ..	562	351	160
Norway—			
Pig-iron	4,469	552	1,225
Ferro-silicon	11,724	5,730	9,689
Ferro-chrome	1,657	520	1,305
Poland (<i>b</i>)—			
Pig-iron	91	1,342	(<i>f</i>)
Spain (<i>b</i>)—			
Pig-iron and steel ingots ..	13,335	2	6,347
Sweden—			
Pig-iron	114,704	81,406	45,503
Ferro-alloys	8,832	5,348	6,453
Switzerland—			
Pig-iron and crude steel ..	4,809	715	2,614
Ferro-alloys	6,643	2,712	2,568
United States—			
Pig-iron and ferro-alloys ..	217,003	28,405	33,332
China—			
Pig-iron and unmanufactured iron	182,458	157,621	200,146

(*a*) Years ended 31st March of the year following that stated.

(*b*) Total exports.

(*c*) Overseas trade only.

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

(*e*) Including scrap and semi-manufactured iron.

(*f*) Information not available.

(*g*) Total exports, excluding transit trade.

(*h*) Eight months only, May–December.

(*i*) Figure refers to Belgium-Luxemburg Economic Union.

IMPORTS OF PIG-IRON AND FERRO-ALLOYS

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge and foundry ..	48,540	408,594	58,471
Acid	353	2,530	—
Basic	152,451	255,030	95,068
Spiegeleisen and ferro- manganèse	378	30	138
Other ferro-alloys	14,176	5,363	10,277
Mauritius—			
Pig-iron	960	377	83
Union of South Africa—			
Iron and steel in pig or ingot	2,183	2,775	2,491
Canada (a)—			
Pig-iron	50,313	16,443	58,000
Ferro-alloys.. .. .	8,061	1,374	4,077
Jamaica—			
Pig-iron	(£261)	(£523)	—
Ceylon—			
Pig-iron	262	496	636
Cyprus—			
Pig-iron	—	—	25
Hong Kong (b)—			
Iron and steel pigs and kentledge	5,297	3,714	3,774
India (a) (c)—			
Pig-iron	10,813	27,037	14,621
Australia (d)—			
Pig-iron	2,681	1,245	3,255
Ferro-alloys.. .. .	173	418	609
New Zealand—			
Pig-iron	11,334	5,620	4,298
FOREIGN COUNTRIES			
Austria (h)—			
Pig-iron	30,110	43,034	(g) 99,497
Ferro-silicon	2,085	3,397	(f)
Belgium—			
Pig-iron	331,364	141,072	(i) 256,229

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

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia (<i>b</i>)—			
Pig-iron	32,487	25,516	(g) 195,638
Spiegeleisen	1,344	505	(f)
Other ferro-alloys	28,274	60,888	(f)
Denmark—			
Pig-iron	34,919	11,718	19,783
Ferro-alloys	379	5	22
Finland—			
Pig-iron	15,772	2,332	10,565
Ferro-alloys	641	(f)	(f)
France—			
Pig-iron and spiegeleisen ..	108,537	37,859	58,511
Ferro - alloys, excluding spiegeleisen	10,684	3,282	2,312
Germany—			
Pig-iron	96,424	(e) 58,755	289,581
Ferro-alloys	7,489	(e) 4,958	11,593
Italy—			
Pig-iron	154,667	64,633	133,601
Ferro-silicon	146	3	276
Jugoslavia (<i>b</i>)—			
Pig- and cast-iron	4,070	8,733	9,069
Netherlands—			
Pig-iron and ferro-alloys ..	37,687	25,361	32,075
Norway—			
Pig-iron	12,942	5,877	8,067
Ferro-silicon	71	12	4
Poland (<i>b</i>)—			
Pig-iron	8,761	27,594	(f)
Spain (<i>b</i>)—			
Pig-iron	14,291	24,135	14,486
Ferro-alloys	—	—	2,174
Sweden—			
Pig-iron	34,468	10,709	20,323
Ferro-alloys	2,340	399	729
Switzerland—			
Pig-iron and crude steel ..	80,680	30,925	83,435
Ferro-alloys	276	160	283
Egypt—			
Pig-iron	1,453	982	1,454

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

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States— Pig-iron and ferro-alloys ..	188,871	45,551	(b) 498,060
Peru— Pig-iron	934	763	918
China— Pig-iron and kentledge ..	10,774	1,949	4,839
Japan— Pig-iron	345,563	(b) 225,284	(b) 325,365
Ferro-alloys	1,066	968	1,154

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

(b) Total imports.

(c) Overseas trade only.

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

(e) Eight months only, May–December.

(f) Information not available.

(g) Including scrap and semi-manufactured iron.

(h) Total imports, excluding transit trade.

(i) Figure refers to Belgium-Luxemburg Economic Union.

PRODUCTION OF STEEL INGOTS AND CASTINGS

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	9,067,300	3,703,400	5,880,600
Union of South Africa (a)	12,005	14,045	12,548
Canada	1,100,622	667,484	485,643
India (b)	113,222	125,336	111,500
Australia (e)	166,772	209,458	219,799
Total ..	10,460,000	4,720,000	6,710,000
FOREIGN COUNTRIES			
Austria	195,307	327,313	483,738
Belgium	1,232,970	751,869	1,539,986
Czechoslovakia	957,339	902,914	630,000
France	3,001,372	3,052,314	4,461,616
Germany	6,627,000	(c) 6,700,000	(c) 9,000,000
Hungary	(d)	(d)	300,000
Italy	761,326	689,176	965,645
Jugoslavia	(d)	3,291	(d)
Luxemburg	575,567	741,953	1,469,962
Poland	(f) 67,785	(f) 116,135	930,000
Russia	159,270	179,939	(c) 460,000
Spain	(d)	354,113	227,157
Sweden	430,443	208,201	306,034
United States	42,132,934	19,783,797	35,602,926
Japan	301,682	319,547	460,000
China	50,912	46,800	120,000
Total ..	56,800,000	34,200,000	57,000,000
WORLD'S TOTAL	67,300,000	38,900,000	63,700,000

(a) Including rails, fishplates, etc.

(b) Including rails.

(c) Approximate production.

(d) Information not available.

(e) Years ended 31st May of the year stated.

(f) Excluding Upper Silesia.

LEAD

PRODUCTION OF LEAD ORE

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

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	10,961	5,430	8,863
Northern Rhodesia (a) ..	14,602	17,686	20,501
South-West Africa Territory	7,200	14,921	(b) 12,955
Union of South Africa ..	266	171	(c) 4,600
Canada	15,090	29,973	44,180
India	45,700	47,300	56,400
Australia	14,360	83,878	151,929
Total ..	108,200	199,400	299,400
FOREIGN COUNTRIES			
Austria (d)	3,985	4,691	4,940
Czechoslovakia	1,200	1,800	(e)
France (c)	1,200	1,200	3,000
Germany (c)	44,000	39,000	54,000
Greece	2,555	5,600	(c) 3,000
Italy	21,913	14,796	15,083
Jugoslavia	(c) 7,600	(a) 4,750	(a) 8,360
Portugal	238	(e)	(e)
Russia	—	—	(c) 2,000
Spain (a)	172,380	133,677	117,284
Sweden	1,894	414	1,342
Algeria	7,300	6,500	8,100
Tunis	(a) 11,227	17,600	13,000
Mexico	81,192	59,540	108,681
United States	458,512	370,081	425,758
Argentina (c)	3,400	3,000	3,500
Bolivia (c)	1,000	3,000	4,000
Chile	22	45	(c) 20
Peru	553	510	698
China (c)	1,000	2,000	2,500
Japan (a)	4,093	3,082	3,181
Turkey (c)	1,000	3,000	3,100
Total ..	826,000	675,000	784,000
WORLD'S TOTAL	934,000	874,000	1,083,000

(a) Smelter production.

(b) Exports.

(c) Approximate production.

(d) Revised figures.

(e) Information not available.

SMELTER PRODUCTION OF LEAD

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	12,500	2,900	3,006
Rhodesia	14,602	17,686	20,501
South-West Africa Territory	—	450	(e) 739
Union of South Africa	—	—	4,194
Canada	12,821	25,732	39,557
India	23,840	33,750	39,250
Australia	6,016	56,329	107,318
Total ..	69,800	136,800	215,000
FOREIGN COUNTRIES			
Austria	3,909	3,293	3,306
Belgium	15,782	29,272	49,000
Czechoslovakia	(g) 6,576	(d) 1,700	(a)
France	14,900	15,200	14,000
Germany (b)	58,000	74,000	71,000
Greece	4,935	5,500	4,600
Italy	15,691	12,293	10,538
Jugoslavia	(f)	4,750	8,360
Poland (c)	(a)	994	1,000
Spain	172,380	133,677	117,284
Sweden	849	481	301
Tunis	11,227	11,300	12,908
Mexico (d)	75,000	55,000	101,000
United States	433,271	361,904	430,932
Argentina	3,400	2,500	3,558
Peru	130	143	(a)
China	325	280	667
Japan	4,093	3,082	3,181
Korea	574	(e) 130	(e) 379
Turkey	3,798	7,390	3,100
Total ..	825,000	723,000	837,000
WORLD'S TOTAL	895,000	860,000	1,052,000

(a) Information not available.

(b) Including Upper Silesia.

(c) Excluding Upper Silesia.

(d) Approximate production.

(e) Exports.

(f) Included with Czechoslovakia.

(g) Including Jugoslavia.

EXPORTS OF LEAD
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	4,936	3,857	3,723
Pig-lead	23,443	10,988	17,162
Sheets and pipes	9,797	4,485	6,359
White lead	9,130	6,182	9,872
Litharge, red lead and lead acetate	6,592	3,718	6,621
Northern Rhodesia—			
Pig-lead	14,759	20,550	22,468
Southern Rhodesia—			
Pig-lead	—	27	—
South-West Africa Territory—			
Ore (b)	9,951	14,396	12,955
Pig-lead	—	202	739
Union of South Africa—			
Ore and bullion	333	5	36
Pigs, bars, pipes and sheets	108	5	1,401
Canada (a)—			
Ore (b)	3,330	2,003	4,654
Pig-lead	1,630	16,264	16,979
White lead	(f)	423	628
Hong Kong (e)—			
Ore	73	—	—
Dross	151	249	162
Pig-lead	4,786	5,366	3,586
Other lead	612	477	533
India (a) (i)—			
Unwrought lead	24,564	31,652	39,944
Australia (c)—			
Ore (b)	222	1,181	478
Concentrates (b)	1,523	1,066	5,091
Matte (b)	818	1,208	434
Pig-lead	74,030	19,769	72,910
Sheets and pipes	696	1,122	547
White lead	663	531	274
New Zealand—			
Pig-lead and bars	5	—	18
FOREIGN COUNTRIES			
Austria (d)—			
Ore	287	1,324	(f)
Lead	2,743	2,434	(f)
Belgium—			
Ore	2,352	3,310	(h) 810
Pig-lead	4,561	25,143	(h) 18,314

EXPORTS OF LEAD (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia (<i>e</i>)—			
Ore	—	311	796
Sheets and plates	25	10	(<i>f</i>)
France ..			
Ore	2,466	3,685	6,030
Pig-lead, bars, etc... ..	3,841	7,894	4,770
Germany—			
Ore	549	(<i>g</i>) 44	1,690
Crude lead and scrap ..	9,509	(<i>g</i>) 3,495	7,456
Pipes and other rough lead- ware	2,550	(<i>g</i>) 2,086	4,120
Red and white lead	5,798	(<i>g</i>) 3,928	9,978
Greece—			
Galena and argentiferous lead	4,982	5,085	4,670
Italy—			
Ore (<i>j</i>)	9,700	11,100	8,424
Lead and its alloys with antimony—			
Pig and scrap	3,507	22,643	2,894
Foil	82	72	37
Pipes	97	149	81
Netherlands—			
Ore (<i>j</i>)	653	72	10
Pig-lead	202	151	146
Scrap	556	639	523
Pipes, sheets, wire, etc. ..	169	238	229
Red and white lead and lead acetate	1,272	474	637
Portugal—			
Ore	322	(<i>f</i>)	(<i>f</i>)
Spain (<i>e</i>)—			
Galena—			
Non-argentiferous	343	111	2,330
Argentiferous	1,819	—	1,414
Other ore	15,442	4,818	46,893
Pig-lead—			
Non-argentiferous	86,705	91,290	69,634
Argentiferous	18,389	11,379	11,263
Pipes.. .. .	62	19	27
Sweden—			
Pig-lead	178	1,854	187
Scrap	273	1,057	851
Sheets and pipes	36	17	11
Red and white lead	56	5	1

EXPORTS OF LEAD (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland—			
Galena, ores and waste ..	236	380	267
Pig-lead and hard lead ..	39	4	52
Scrap	8	55	84
Sheets and pipes	14	7	14
Red and white lead, litharge, acetate and nitrate of lead	83	59	38
Algeria—			
Ore	12,598	11,237	13,891
Tunis (<i>e</i>)—			
Ore	7,073	5,902	5,933
Pig-lead and bars	9,352	14,985	12,698
United States—			
Pig-lead, bars, etc., produced from—			
Domestic ore	2,437	1,450	5,199
Foreign ore	15,028	22,065	28,807
Red and white lead ..	14,671	5,097	5,608
Argentina—			
Ore	655	1	26
Bars	10	—	5
Chile—			
Ore	26	6	37
Argentiferous lead-ore ..	107	132	26
Peru—			
Ore, including auriferous and argentiferous ores, etc. ..	1,071	891	1,676
Pig-lead, bars, etc. ..	143	139	100
China—			
Ore	2,353	6,078	5,019
Lead	325	280	667
Japan—			
Red lead	481	401	903

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

(b) Lead content.

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

(d) Total exports, excluding transit trade.

(e) Total exports.

(f) Information not available.

(g) Eight months only, May–December.

(h) Figures refer to Belgium–Luxemburg Economic Union.

(i) Overseas trade only.

(j) Including argentiferous lead-ore.

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	5,852	819	2,595
Pig-lead and sheets	135,703	120,759	170,089
White lead	12,283	3,463	6,055
Litharge, red lead and lead acetate	1,370	1,455	2,522
Mauritius (a)—			
Sheets and pipes	14	47	44
Southern Rhodesia—			
Pig-lead, bars and sheets	17	12	21
Pipes	3	(c)	1
Foil and acetate	(c)	(c)	34
South-West Africa Territory—			
Bars, pipes and sheets	2	1	2
Union of South Africa (a)—			
Pig-lead and sheets	347	561	767
Pipes	80	33	70
Foil and acetate	430	120	297
Canada (d)—			
Pig-lead	10,616	653	1,186
Scrap	155	13	25
Bars and sheets	313	80	241
White lead	31	51	91
Litharge, red lead, dry and orange mineral	1,383	1,131	1,098
Ceylon—			
Pig-lead	5,735	(a) 3,367	(a) 5,572
Sheets	20	(a) 31	(a) 16
Tea-lead	60	(a) 291	(a) 614
Hong Kong (a)—			
Ore	15	—	—
Pig-lead	5,480	7,594	4,894
Other lead	288	464	476
India (d) (e)—			
Ore	957	1	(1 i)
Unwrought lead	712	314	390
Sheets, pipes and other wrought lead	3,906	2,408	2,254
Litharge, red and white lead and lead acetate (a)	3,299	2,942	3,668
Australia (f)—			
Pig-lead	10	1,631	80
Sheets and pipes	18	17	31
White lead	443	616	793

IMPORTS OF LEAD (*Cont.*)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)			
New Zealand—			
Pig-lead and bars	1,156	914	1,081
Pipes	21	35	5
Sheets	811	584	546
FOREIGN COUNTRIES			
Austria (<i>g</i>)—			
Lead	1,095	4,895	(<i>b</i>)
Belgium—			
Ore	30,157	13,700	(<i>h</i>) 19,844
Pig-lead	23,468	16,385	(<i>h</i>) 14,614
Czechoslovakia (<i>a</i>)—			
Sheets and plates	1	26	(<i>b</i>)
Rods and wire	4	2	(<i>b</i>)
Finland (<i>a</i>)—			
Unwrought lead and scrap	462	82	347
Red and white lead ..	318	398	(<i>b</i>)
France—			
Ore	33,109	15,238	20,839
Pig-lead, bars, etc. ..	55,250	35,470	71,023
Germany—			
Ore	7,551	(<i>l</i>) 11,382	30,997
Pig-lead and scrap ..	17,029	(<i>l</i>) 29,135	84,228
Pipes and other rough lead- ware	9	(<i>l</i>) 59	163
Red and white lead ..	123	(<i>l</i>) 282	512
Greece—			
Lead and antimony ..	742	981	561
Italy—			
Ore (<i>k</i>)	3,625	2,663	3,742
Lead and its alloys with antimony—			
Pig-lead and scrap ..	1,486	348	696
Pipes	123	32	2
Foil	692	1	2
Jugoslavia (<i>a</i>)—			
Pig-lead	48	142	144
Bars, rods, wire, type, sheets, pipes and cylinders ..	258	498	689
Netherlands—			
Ore (<i>k</i>)	150	132	117
Pig-lead	6,853	11,083	9,596
Scrap	484	152	299
Sheets, pipes, wire, etc. ..	3,344	3,038	3,846
Red and white lead and lead acetate	4,450	4,636	4,857

IMPORTS OF LEAD (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Ore	1,179	(b)	(b)
Pig-lead, bars, scrap and hard lead	1,482	(b)	(b)
Spain (a)—			
Pig-lead, bullion and scrap	354	371	161
Sheets, pipes, wire, shot, etc.	58	262	347
Sweden—			
Pig-lead	3,974	1,554	4,051
Scrap	18	131	3
Sheets and pipes	1,426	601	814
Red and white lead ..	1,566	1,062	1,930
Switzerland—			
Galena, ores and waste ..	145	32	37
Pig-lead and hard lead ..	6,031	4,035	6,311
Scrap	68	5	19
Sheets and pipes	2,245	759	743
Red and white lead, litharge, acetate and nitrate of lead	298	232	235
Algeria—			
Pig-lead, bars and sheets ..	985	909	656
Egypt—			
Pig-lead	104	124	110
Sheets and pipes (a) ..	155	424	398
Red and white lead ..	223	201	198
Tunis (a)—			
Ore	4,999	3,086	265
Pig-lead, bars and slabs ..	18	130	505
Scrap	2	36	2
Sheets	112	53	41
Pipes and other wrought lead	357	322	296
Cuba (a)—			
Bars	222	132	46
Pipes	355	164	120
United States—			
Ore (a) (m)	13,165	6,354	10,926
Bullion and base bullion (a) (m) ..	42,903	32,024	55,390
Pig-lead, bars and scrap ..	31,418	27,692	3,090
Red and white lead, orange mineral and litharge ..	114	96	150
Argentina—			
Pig-lead and sheets ..	4,003	2,985	2,731
Foil	25	4	19
Red lead	400	189	415

IMPORTS OF LEAD (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Brazil (<i>a</i>)—			
Pig-lead and sheets ..	4,512	2,003	3,737
Pipes.. .. .	22	221	9
Red and white lead ..	439	183	646
Chile—			
Pig-lead	73	73	37
Bars and sheets	826	131	140
Red and white lead ..	148	42	51
Peru—			
Pig-lead and bars (<i>j</i>) ..	92	69	55
Bars and sheets for solder..	126	82	72
Litharge, acetate of lead and oxide for assays	8	5	4
China—			
Ore	—	20	—
Pig-lead and bars	3,652	6,873	6,707
Sheets and tea-lead ..	162	152	256
Japan—			
Pig-lead (<i>a</i>)	20,767	37,909	44,134
Tea-lead (<i>a</i>)	148	139	47
Red and white lead and litharge	77	(<i>b</i>)	(<i>b</i>)

- (*a*) Total imports.
(*b*) Information not available.
(*c*) Less than $\frac{1}{2}$ ton.
(*d*) Years ended 31st March of the year following that stated.
(*e*) Overseas trade only.
(*f*) Years ended 30th June of the year stated.
(*g*) Total imports, excluding transit trade.
(*h*) Figures refer to Belgium-Luxemburg Economic Union.
(*i*) Excess of re-exports.
(*j*) Including zinc.
(*k*) Including argentiferous lead-ore.
(*l*) Eight months only, May-December.
(*m*) Lead content.

MAGNESITE

PRODUCTION OF MAGNESITE
(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
Union of South Africa—			
Crude magnesite	1,267	1,774	981
Canada—			
Crude magnesite	3,836	1,494	2,544
Caustic magnesia	2,816	611	916
Dead-burnt magnesia	9,367	1,226	1,628
India—			
Crude magnesite	14,347	20,017	19,273
Australia—			
Crude magnesite	6,810	12,568	4,043
FOREIGN COUNTRIES			
Austria (a)—			
Crude magnesite	10,040	6,407	(f)
Caustic magnesia	6,915	8,047	12,353
Dead-burnt magnesia	52,282	72,303	(g) 131,770
Greece—			
Crude magnesite	70,715	59,166	55,780
Caustic magnesia	2,318	12,650	(b)
Dead-burnt magnesia	—	1,722	(b)
Italy—			
Crude magnesite	33,310	9,260	8,600
Norway (c)—			
Calcined magnesite	956	98	245
Magnesia bricks	699	332	189
Russia—			
Crude magnesite	(d) 20,234	(d) 15,424	(b)
Caustic magnesia	675	393	(b)
Dead-burnt magnesia	6,567	305	(b)
Magnesia bricks	11,301	7,964	(b)
Spain—			
Crude magnesite	1,194	—	298
United States—			
Crude magnesite	271,221	42,771	49,812
Venezuela—			
Crude magnesite	(e) 2,300	(c) 2,400	(b)

(a) Exports less imports.

(b) Information not available.

(c) Exports.

(d) Including 597 long tons and 3,040 long tons of "pieces of magnesite" in 1920 and 1921, respectively, and 1,945 long tons of "powdered magnesite" in 1920.

(e) Approximate production.

(f) Included with dead-burnt magnesia.

(g) Including crude magnesite.

EXPORTS OF MAGNESITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Metallic magnesium ..	17	9	1
Magnesium compounds, including chloride and sulphate	6,097	2,709	3,271
Union of South Africa—			
Magnesium sulphate ..	3	4	3
Canada (b)—			
Crude magnesite	138	714	—
Calcined and dead-burnt magnesia	7,531	599	904
Magnesium sulphate ..	510	125	123
FOREIGN COUNTRIES			
Austria (c)—			
Crude magnesite	10,040	6,407	(f)
Caustic magnesia	7,011	8,122	12,432
Dead-burnt magnesia ..	52,381	72,322	(g) 131,775
Magnesite, etc., firebricks..	21,184	27,076	(a)
Magnesium sulphate ..	136	143	(a)
Czechoslovakia (d)—			
Crude magnesite	1,561	972	} 46,573
Calcined magnesite.. ..	19,405	24,577	
Magnesia	—	11	(a)
Magnesium chloride ..	43	1	(a)
Denmark—			
Magnesite	2	21	9
Magnesium chloride, etc. ..	5	17	5
France—			
Calcined magnesite.. ..	30	34	11
Magnesium	2	1	(e)
Citrate of magnesium ..	8	1	2
Magnesium carbonate ..	27	19	17
Magnesium chloride ..	55	48	42
Magnesium sulphate ..	89	44	41
Greece—			
Magnesite	63,039	20,710	27,831
Italy—			
Impure caustic magnesia ..	223	483	64
Pure magnesia	290	274	126
Magnesium carbonate ..	210	243	183
Magnesium chloride ..	2	3	7
Magnesium sulphate ..	117	29	119

EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Magnesite	431	140	50
Magnesia	4,440	7,955	11,246
Norway—			
Calcined magnesite.. ..	956	98	245
Magnesia bricks	699	332	189
Poland (d)—			
Magnesite and talc ..	—	23	(a)
Sweden—			
Magnesite and witherite ..	133	1	2
Calcined or carbonated magnesia	1	(e)	3
Magnesium chloride ..	78	9	8
Magnesium sulphate ..	41	7	12
Switzerland—			
Magnesium chloride ..	3	13	7
Egypt—			
Magnesium sulphate ..	5	1	—

(a) Information not available.

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

(c) Total exports, excluding transit trade.

(d) Total exports.

(e) Less than $\frac{1}{2}$ ton.

(f) Included with dead-burnt magnesite.

(g) Including crude magnesite.

IMPORTS OF MAGNESITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Crude magnesite	59,038	12,863	10,851
Caustic and dead-burnt magnesia	10,393	9,398	8,638
Metallic magnesite	18	11	(11 h)
Magnesium compounds, in- cluding chloride and sul- phate	10,725	12,904	20,367
South-West Africa Territory—			
Magnesium sulphate	1	1	1
Union of South Africa—			
Magnesium sulphate	111	42	111
Canada (b)—			
Magnesite	1,179	156	84
Magnesia	222	221	191
Magnesium sulphate	(£15,748)	(£8,140)	(£9,794)
India (b) (c)—			
Magnesium chloride	2,929	2,331	3,477
Magnesium sulphate	410	440	2,193
Other magnesium compounds	11	9	4
Australia (d)—			
Magnesia	8	12	4
Magnesium carbonate	67	86	57
Magnesium chloride	43	110	49
Magnesium sulphate	141	176	267
FOREIGN COUNTRIES			
Austria (e)—			
Caustic magnesite	96	75	79
Dead-burnt magnesite	99	19	5
Magnesium chloride	778	1,237	(a)
Magnesium sulphate	502	570	(a)
Czechoslovakia (f)—			
Crude magnesite	211	184	} 1,697
Calcined magnesite	2,004	2,185	
Magnesia	364	443	(a)
Magnesium chloride	789	1,028	1,071
Denmark—			
Magnesite	388	332	103
Magnesium chloride, etc. ..	523	354	319
Epsom salts, etc.	9	1	105

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Finland (f)—			
Magnesite and witherite ..	328	123	(a)
Magnesia	32	8	(a)
Magnesium carbonate ..	18	41	(a)
Magnesium chloride ..	243	91	(a)
Magnesium sulphate ..	17	19	(a)
France—			
Calcined magnesite ..	110	158	154
Magnesium	2	1	4
Magnesium carbonate ..	1,720	646	1,648
Magnesium chloride ..	1,384	555	204
Magnesium sulphate ..	3,722	224	435
Italy—			
Impure caustic magnesia ..	753	292	507
Pure magnesia	13	(g)	3
Magnesium carbonate ..	438	94	10
Magnesium chloride ..	569	432	615
Magnesium sulphate ..	800	192	(g)
Netherlands—			
Magnesite	6,082	3,666	3,069
Magnesia	1,269	7,705	8,202
Norway—			
Magnesium chloride ..	252	352	313
Poland (f)—			
Magnesite and talc ..	643	1,118	(a)
Rumania (f)—			
Calcined magnesite ..	24	(a)	(a)
Magnesium chloride ..	3	(a)	(a)
Magnesium sulphate and bisulphate	395	(a)	(a)
Sweden—			
Magnesite and witherite ..	896	566	706
Calcined or carbonated mag- nesia	139	31	47
Magnesium chloride ..	690	634	609
Magnesium sulphate ..	655	300	579
Switzerland—			
Magnesium chloride ..	1,520	1,543	15,482
Egypt—			
Magnesium sulphate ..	47	172	328
Tunis (f)—			
Magnesium sulphate ..	3	3	7
United States—			
Crude magnesite	43,154	52,476	119,873
Calcined magnesia	12	16	43

IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
United States (Cont.)—			
Metallic magnesium ..	13	18	82
Precipitated magnesium carbonate	7	8	16
Magnesium chloride ..	203	3,289	3,135
Magnesium sulphate ..	805	5,589	11,335
Argentina—			
Calcined magnesite	37	49	43
Magnesium carbonate ..	66	43	48
Magnesium sulphate ..	473	343	770
Chile—			
Magnesite	4	1	—
Magnesia	3	4	2
Magnesium carbonate ..	5	3	7
Magnesium chloride ..	14	11	3
Magnesium sulphate ..	23	19	24
Other magnesium salts ..	2	1	1
Peru—			
Magnesium carbonate and chloride	3	2	2
Magnesium sulphate ..	21	9	8

(a) Information not available.

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

(c) Overseas trade only.

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

(e) Total imports, excluding transit trade.

(f) Total imports.

(g) Less than $\frac{1}{2}$ ton.

(h) Excess of re-exports.

MANGANESE

PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	12,875	514	250
Gold Coast (e)	43,610	7,195	61,279
Union of South Africa ..	60	282	154
Canada (a)	579	61	65
Newfoundland (f)	165	378	—
India	736,439	679,286	474,401
Australia	3,060	5,970	3,104
New Zealand	2	—	—
Total	796,790	693,686	539,253
FOREIGN COUNTRIES			
Austria (b)	5,000	2,000	(c)
Czechoslovakia	32,161	(c)	(c)
France	10,136	1,892	689
Germany	7,200	(c)	(c)
Italy	35,577	5,025	4,619
Jugoslavia	(c)	(c)	1,104
Portugal	910	(c)	(c)
Rumania	3,315	2,986	5,305
Russia (d)	5,163	11,940	31,090
Spain	20,914	19,775	25,046
Sweden	14,686	6,145	4,438
Algeria	(e) 5,166	(e) 1,863	1,813
Egypt	76,316	54,180	102,469
Tunis (a)	1,279	1,145	—
Morocco	4,305	(c)	(c)
Costa Rica (e)	3,201	578	(c)
Cuba (e)	22,163	622	9,059
Mexico	1,119	—	—
United States	94,420	13,531	13,404
Brazil (e)	446,445	271,263	335,230
Chile	11,446	23	(c)
Uruguay (e)	—	101	(c)
China (e)	24,923	25,223	18,926
Georgia	90,300	6,000	82,000
Japan	5,389	3,821	4,371
Dutch East Indies	4,112	2,059	2,278
New Caledonia	2,208	(b) 2,200	(b) 2,200
Total	930,000	480,000	690,000
WORLD'S TOTAL	1,730,000	1,170,000	1,230,000

(a) Shipments.

(b) Approximate production.

(c) Information not available.

(d) Excluding Georgia.

(e) Exports.

(f) Exports during years ended 30th June of the year stated.

EXPORTS OF MANGANESE ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ferro-manganese and spiegeleisen	114,728	31,415	140,923
Gold Coast—			
Ore	43,610	7,195	61,279
Union of South Africa—			
Ore	11	(b)	—
Canada (a)—			
Ore	569	72	123
Ferro-manganese and other ferro-alloys	5,290	770	1,104
Newfoundland (d)—			
Ore	165	378	—
Hong Kong (f)—			
Ore	23,396	9,216	7,608
India (a) (c)—			
Ore	779,842	519,497	789,277
Ferro-manganese	3,873	—	16,025
Australia (d)—			
Ore	20	55	15
New Zealand—			
Ore	2	—	—
FOREIGN COUNTRIES			
Belgium—			
Ore	157,726	221,461	(h) 16,014
Czechoslovakia (f)—			
Ore	881	383	191
France—			
Ore	862	553	866
Ferro-manganese	2,818	2,519	4,699
Manganese peroxide ..	38	14	11
Germany—			
Ore	4,010	(g) 13,693	38,242
Italy—			
Ore	—	(i) 406	(i) 19,344
Netherlands—			
Ore	6,186	52	3,175
Norway—			
Ore	183	—	—
Portugal—			
Ore	944	(e)	(e)

EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Russia (f)—			
Ore	—	3,006	(e)
Spain (f)—			
Ore	46,492	31,264	27,015
Sweden—			
Ferro-manganese and spie- geleisen	1,062	542	62
Ferro-manganese-silicon and ferro-silicon	7,409	4,129	4,681
Algeria—			
Ore	5,166	1,863	—
Costa Rica—			
Ore	3,201	578	(e)
Cuba (j)—			
Ore	22,163	622	9,059
United States—			
Ferro-manganese	3,454	690	1,107
Brazil—			
Ore	446,445	271,263	335,230
Chile—			
Ore	(e)	23	886
Dutch East Indies (k)—			
Ore	5,731	881	2,510
China—			
Ore	24,923	25,223	18,926
Georgia—			
Ore	172,503	25,795	(e)
Japan—			
Ore	1,229	942	908

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

(b) Less than $\frac{1}{2}$ ton.

(c) Overseas trade only.

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

(e) Information not available.

(f) Total exports.

(g) Eight months only, May–December.

(h) Figure refers to Belgium–Luxemburg Economic Union.

(i) Including a small amount of manganiferous iron-ore.

(j) All to United States.

(k) Total exports from Java and Madura.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	440,592	167,208	329,396
Ferro-manganese and spie- geleisen	378	30	138
Canada (a)—			
Ferro-manganese and spie- geleisen containing more than 15 per cent. Mn ..	6,162	1,254	3,700
Ferro-manganese and spie- geleisen, containing not more than 15 per cent. Mn, and other ferro-alloys	386	78	322
Manganese oxide	1,269	272	1,202
Hong Kong (d)—			
Ore	24	2	15
Australia (e)—			
Ore	2,620	1,972	2,951
New Zealand—			
Ore	5	2	—
FOREIGN COUNTRIES			
Belgium—			
Ore	195,554	256,245	(c) 166,236
Czechoslovakia (d)—			
Ore	5,195	1,631	628
Denmark—			
Ore	333	266	309
Finland (d)—			
Ore	52	44	(f)
France—			
Ore	150,117	117,383	219,505
Ferro-manganese	8,822	2,519	1,222
Manganese peroxide ..	41	124	231
Germany—			
Ore	51,393	(g) 137,646	293,115
Italy—			
Ore	28,177	(h) 11,311	(h) 20,426
Netherlands—			
Ore	3,989	254	7,058
Spain (d)—			
Ore	(f)	(f)	400
Ferro-manganese	(f)	(f)	1,769

IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ferro - manganese and spiegeleisen	1,682	136	513
Ferro-manganese-silicon and ferro-silicon	118	217	107
United States—			
Manganese ore and oxide ..	606,899	401,305	327,727
Ferro-manganese	59,254	9,883	(b) 72,011
China—			
Ore	54	35	59
Japan (d)—			
Ore	(f)	21,450	28,856
Ferro-manganese	506	701	1,147

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

(b) 1st January to 1st September only.

(c) Figure refers to Belgium-Luxemburg Economic Union.

(d) Total imports.

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

(f) Information not available.

(g) Eight months only, May-December.

(h) Including a small amount of mangiferous iron-ore.

MICA

PRODUCTION OF MICA

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Southern Rhodesia ..	(a) 88	76	66
Tanganyika Territory (e) ..	27	3	11
Union of South Africa ..	6	2	1
Canada (c)	1,966	(d) 627	2,990
Ceylon (e)	15	5	1
India (e)	3,826	1,547	1,504
Australia	1	—	2
FOREIGN COUNTRIES			
Norway (e)	31	2	1
Rumania	133	—	—
Spain	5	2	—
Sweden	—	—	8
Madagascar	49	152	91
Guatemala (g)	4	(f)	(b) 4
Mexico (g)	4	(f)	—
United States (h)	5,862	2,632	3,387
Argentina (e)	269	145	63
Brazil (e)	67	45	66

(a) Including 1 long ton produced in Northern Rhodesia.

(b) Estimated.

(c) Sales.

(d) The quantity produced during the year was 1,047 long tons.

(e) Exports.

(f) Less than $\frac{1}{2}$ ton.

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

(h) Sales, chiefly of low-grade mica.

EXPORTS OF MICA

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Sheets	126	36	16
Powder	35	4	—
Tanganyika Territory—			
Mica	27	3	11
Union of South Africa—			
Mica	13	8	3
Canada (b)—			
Scrap and waste	2,155	1,213	3,728
Rough-cobbed and thumb- trimmed mica	20	16	65
Splittings	366	136	305
Ceylon—			
Mica	15	5	1
India (a) (b)—			
Blocks	599	271	482
Splittings	2,965	1,085	2,510
FOREIGN COUNTRIES			
France—			
Unmanufactured mica ..	—	4	2
Germany—			
Unmanufactured mica ..	28	(c) 9	21
Italy—			
Mica	—	10	7
Netherlands—			
Unmanufactured mica ..	1	7	5
Norway—			
Pieces	13	2	(d)
Scrap	18	—	1
Madagascar—			
Mica	49	152	91
United States—			
Mica, including manufactures ..	(£86,456)	(£40,029)	(£29,221)
Argentina—			
Mica	269	145	63
Brazil—			
Mica	67	45	66
Chile—			
Mica	(d)	(d)	—

(a) Overseas trade only.

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

(c) Eight months only, May–December.

(d) Less than $\frac{1}{2}$ ton.

IMPORTS OF MICA

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Blocks	(71 a)	(120 a)	(222 a)
Sheets	1,599	688	240
Powder	406	65	206
Union of South Africa—			
Mica and micanite			
<i>(£ South African)</i>	(£1,535)	(£1,213)	(£593)
India (b) (f)—			
Blocks	(c)	162	95
Splittings	(c)	42	3
Australia (d)—			
Mica	2	4	4
FOREIGN COUNTRIES			
Denmark—			
Mica	9	4	3
France—			
Unmanufactured mica ..	(c)	194	260
Germany—			
Unmanufactured mica.. ..	687	(e) 298	697
Netherlands—			
Sheets	26	11	3
Rumania (g)—			
Sheets	2	(c)	(c)
Spain (g)—			
Sheets	60	3	5
Sweden—			
Mica, including manufactures..	104	19	22
United States (g)—			
Unmanufactured mica.. ..	646	208	290

(a) Excess of re-exports.

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

(c) Information not available.

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

(e) Eight months only, May-December.

(f) Overseas trade only.

(g) Total imports.

MOLYBDENUM

PRODUCTION OF MOLYBDENUM ORE

(In cwt. of concentrates)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Australia	2,354	275	(a) 1,062
FOREIGN COUNTRIES			
Germany (Saxony) ..	(c)	—	(d)
Italy (e)	12	55	18
Jugoslavia	(d)	(d)	25
Spain	1,107	—	—
Sweden	12	—	—
Mexico	82	63	62
United States (e) ..	312	—	—
Peru	48	10	—
China	(b)	(b)	(d)
Japan	1,757	—	(d)
Korea	41	(f) 39	(f) —

(a) In addition, 11,820 long tons of ore were produced in Victoria.

(b) During 1920 and 1921, respectively, 320 cwt. and 37,720 cwt. of ore were returned as exports.

(c) Less than $\frac{1}{2}$ cwt.

(d) Information not available.

(e) Molybdenum content of concentrates.

(f) Exports.

EXPORTS OF MOLYBDENUM ORE, ETC.

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

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
Canada (a)—			
Ore	1	15	—
Hong Kong (b)—			
Ore	21	—	—
Australia (c)—			
Ore	4,580	2,480	60
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	20	22	14
Norway—			
Ore	1,525	1,164	826
Peru—			
Ore	50	11	—

(a) Years ended 31st March of the year following that stated.*(b)* Total exports.*(c)* Years ended 30th June of the year stated.

IMPORTS OF MOLYBDENUM ORE, ETC.

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	3,018	743	(4,607 a)
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	41	45	51
United States—			
Ore	140	266	3,681
Ferro-molybdenum	—	3	270

(a) Excess of re-exports.

MONAZITE

PRODUCTION OF MONAZITE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
India	1,641	1,260	125
Ceylon	(a) 72	—	(d)
FOREIGN COUNTRIES			
United States	(c)	(c)	(c)
Brazil (b)	1,134	327	113

(a) Concentrates containing 8.5 per cent. of thoria.

(b) Exports.

(c) Only one producer active ; output not published.

(d) Information not available.

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Thorium nitrate	Cwt.	—	113	29
Gas mantles	Gross	51,737	21,013	19,931
India (b)—				
Monazite	Long ton	940	—	20
FOREIGN COUNTRIES				
France—				
Thorium nitrate and other rare-earth nitrates	Cwt.	204	200	104
Gas mantles	Gross	6,368	2,757	687
Germany—				
Gas mantles	Long ton	172	(c) 144	(247,250d)
Italy—				
Gas mantles	Gross	16,075	11,942	2,964
Netherlands—				
Gas mantles	Long ton	129	84	23
Sweden—				
Thorium nitrate and other rare-earth compounds	Cwt.	(a)	—	6
Gas mantles	Long ton	3	2	2
Switzerland—				
Gas mantles	Long ton	14	13	12
United States—				
Gas mantles	£	130,810	53,097	37,309
Brazil—				
Monazite sand.. .. .	Long ton	1,134	327	113

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. In the case of the Netherlands, however, weight of packing, etc., is included.

(a) Information not available.

(b) Figures refer to overseas trade only, and are for years ended 31st March of the year following that stated.

(c) Eight months only, May–December.

(d) Gross.

IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Monazite sand	Long ton	182	660	(40c)
Thorium nitrate	Cwt.	1,274	1,127	(21c)
Gas mantles	Gross	78,293	110,863	210,189
Canada (b)—				
Thorium nitrate	£	15,453	11	8
Gas mantles	£	20,474	16,358	13,464
Australia (d)—				
Gas mantles	Gross	18,478	27,931	9,189
New Zealand—				
Gas mantles	£	9,490	5,598	4,331
FOREIGN COUNTRIES				
France—				
Thorium nitrate and other rare-earth nitrates	Cwt.	14	2	—
Gas mantles	Gross	3,729	1,556	1,410
Germany—				
Gas mantles	Long ton	3	(e) 2	1
Italy—				
Gas mantles	Gross	622	757	658
Netherlands—				
Gas mantles	Long ton	173	52	130
Sweden—				
Thorium nitrate and other rare-earth compounds	Cwt.	21	7	13
Gas mantles	Long ton	5	2	1
Switzerland—				
Gas mantles	Long ton	1	1	1
Egypt—				
Gas mantles	£	18,213	6,170	9,316
United States—				
Monazite sand and thorite	Long ton	1,254	242	(a) 300
Gas mantles	Gross	1,591	4,460	16,722

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. In the case of the Netherlands, however, weight of packing, etc., is included.

(a) 1st January–21st September only.

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

(c) Excess of re-exports.

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

(e) Eight months only, May–December.

NICKEL

PRODUCTION OF NICKEL ORE

(In terms of metal)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Canada	27,382	8,613	7,856
FOREIGN COUNTRIES			
Germany (Prussia) ..	316	—	(a)
Italy	—	12	(f)
Norway	123	21	91
Madagascar	(b)	—	—
United States (c)	(d) 326	99	186
New Caledonia (e)	2,187	1,491	3,488
WORLD'S TOTAL	30,300	10,200	11,600

(a) Information not available.

(b) 2 cwt. of ore were exported during 1920.

(c) Nickel content of salts and nickel produced as a by-product in the electrolytic refining of copper.

(d) Including nickel produced from copper-lead-cobalt-nickel ores mined in Missouri. There was no production from this source during 1921 and 1922.

(e) Exports.

(f) Less than $\frac{1}{2}$ ton.

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc. ..	3,638	1,758	2,996
Plates and sheets, including anodes	300	73	90
Ingots, sheets, strips and wire of alloys	323	43	483
Nickel oxide	42	2	1
Canada (b)—			
Nickel content of ore, matte or speiss	18,229	2,810	9,883
Nickel	2,761	2,058	9,147
Hong Kong (d)—			
Nickel	14	5	12
Straits Settlements (c)—			
Coin	(£4,655)	(£6,774)	(£98)
FOREIGN COUNTRIES			
Austria (c)—			
Nickel	20	62	(a)
Belgium—			
Unwrought nickel	396	668	(g) 1,254
Beaten, rolled or drawn nickel	10	31	(g) 119
Coin	51	92	(g) 38
France—			
Ore	1	3	4
Matte, speiss, etc.	1	295	69
Ingots or crude lumps ..	143	292	73
Beaten, rolled or drawn nickel	16	15	17
Ingots or crude lumps of alloys	3	19	12
Beaten, rolled or drawn alloys	73	51	60
Nickel oxide	6	19	7
Nickel sulphate	30	11	29
Germany—			
Unwrought nickel, scrap and coin	6	(e) 77	55
Italy—			
Nickel and nickel alloy cubes, ingots and scrap	1,476	84	320
Other nickel and nickel alloys	20	19	30

EXPORTS OF NICKEL (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Netherlands—			
Unwrought nickel and scrap	38	76	1
Norway—			
Ore	1,765	—	—
Unwrought nickel	52	275	145
Nickel sulphate	108	107	71
Sweden—			
Unwrought nickel	(<i>f</i>)	3	(<i>f</i>)
Nickel oxide and nickel sulphate	(<i>f</i>)	2	2
Switzerland—			
Unwrought and wrought nickel and nickel-silver..	82	219	69
United States—			
Matte, unwrought nickel and nickel oxide	543	190	4,160
Nickel-silver	(£161,200)	(£119,023)	(£27,540)
New Caledonia—			
Ore	3,194	—	(<i>a</i>)
Matte	4,436	3,313	(<i>a</i>)

(*a*) Information not available.

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

(*c*) Total exports, excluding transit trade.

(*d*) Total exports.

(*e*) Eight months only, May-December.

(*f*) Less than $\frac{1}{2}$ ton.

(*g*) Figures refer to Belgium-Luxemburg Economic Union.

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore and matte	3,309	5,307	12
Cubes, rondels, etc. .. .	70	268	111
Plates and sheets, including anodes	6	(4 <i>b</i>)	10
Ingots, sheets, strips and wire of alloys	531	178	116
Nickel oxide	2,520	630	170
Canada (<i>c</i>)—			
Nickel and nickel-silver ingots, bars and sheets ..	341	107	699
Hong Kong (<i>d</i>)—			
Nickel	10	7	6
India (<i>c</i>) (<i>j</i>)—			
Nickel-silver	337	337	593
Straits Settlements (<i>f</i>)—			
Coin	(£14,523)	(£78,320)	—
Australia (<i>g</i>)—			
Ingots, bars, scrap, sheets, pipes, etc.	34	12	31
FOREIGN COUNTRIES			
Austria (<i>f</i>)—			
Nickel	352	629	(<i>a</i>)
Belgium—			
Unwrought nickel	515	65	(<i>i</i>) 177
Beaten, rolled or drawn nickel	11	4	(<i>i</i>) 6
Czechoslovakia (<i>d</i>)—			
Plates and sheets	1	1	(<i>a</i>)
Scrap	138	38	(<i>a</i>)
France—			
Ore	698	1	—
Matte, speiss, etc.	2,329	1,319	1,540
Ingots or crude lumps	112	226	584
Beaten, rolled or drawn nickel	7	43	37
Ingots or crude lumps of alloys	36	7	11

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
France (<i>Cont.</i>)—			
Beaten, rolled or drawn alloys	70	88	132
Nickel oxides	3	2	4
Nickel sulphate	283	211	510
Germany—			
Unwrought nickel, scrap and coin	872	(<i>h</i>) 1,160	2,581
Italy—			
Nickel and nickel alloy cubes, ingots and scrap	112	4	92
Other nickel and nickel alloys	333	186	275
Netherlands—			
Unwrought nickel and scrap	58	20	27
Spain (<i>d</i>)—			
Unwrought nickel and cobalt	58	28	109
Nickel and nickel alloy bars, sheets, tubes and wire .. .	195	143	103
Sweden—			
Unwrought nickel	141	67	88
Nickel oxide and nickel sul- phate	225	51	7
Switzerland—			
Unwrought nickel and nickel silver	38	78	146
Wrought nickel and nickel silver	144	102	137
Egypt—			
Nickel and nickel alloys .. .	(£2,062)	(£1,081)	(£731)
Tunis (<i>d</i>)—			
Coins of nickel and base metal	28	13	40
United States—			
Ore and matte	31,980	1,507	(<i>a</i>)
<i>Nickel content</i>	18,565	912	1,378
Bolivia—			
Unwrought nickel	16	(<i>e</i>)	(<i>a</i>)
Coin	80	(<i>e</i>)	(<i>a</i>)
Brazil (<i>d</i>)—			
Cubes and sheets	14	1	1
Chile—			
Bars and plates	2	12	10

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Peru—			
Coin	12	—	(<i>e</i>)
China—			
Nickel of all kinds	362	15	134
Japan (<i>d</i>)—			
Ingots and grains	2,551	2,285	798
Other nickel	224	55	116
Philippine Islands—			
Nickel	(£3,252)	(£735)	(£825)

(*a*) Information not available.

(*b*) Excess of re-exports.

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

(*d*) Total imports.

(*e*) Less than $\frac{1}{2}$ ton.

(*f*) Total imports, excluding transit trade.

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

(*h*) Eight months only, May-December.

(*i*) Figures refer to Belgium-Luxemburg Economic Union.

(*j*) Overseas trade only.

NITRATES

PRODUCTION OF NITRATES

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
India—			
Nitrate of potash	16,874	15,894	11,673
FOREIGN COUNTRIES			
Norway (a)—			
Nitrate of lime	146,000	128,000	153,000
Egypt (b)—			
Nitrate of soda	4,667	3,597	(c)
Chile—			
Nitrate of soda	2,482,902	1,288,636	1,054,574

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

(b) Output of one company only.

(c) Information not available.

EXPORTS OF NITRATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	2,840	527	742
Nitrate of soda	2,274	362	765
Nitrate of lime	1	1	24
Hong Kong (f)—			
Nitrate of potash	1,851	2,142	1,483
India (b)—			
By land (f)—			
Nitrate of potash	66	18	5
By sea—			
Nitrate of potash	19,484	11,747	10,597
Straits Settlements (g)—			
Nitrate of potash	141	285	320
FOREIGN COUNTRIES			
Belgium—			
Nitrate of potash	(a)	(a)	(e) 562
Nitrate of soda	4,540	26,389	(e) 73,416
Nitrate of lime	(a)	(a)	(e) 59
Czechoslovakia (f)—			
Nitrate of potash	—	49	(a)
Nitrate of soda	71	65	(a)
Denmark—			
Nitrate of soda	3	(d)	—
Nitrate of lime	30	(d)	—
France—			
Nitrate of potash—			
Natural	782	851	1,026
Synthetic	23	53	443
Nitrate of soda	2,300	6,848	3,784
Nitrate and cyanamide of lime	1,115	187	5,294
Germany—			
Nitrate of potash	4,349	(c) 3,502	11,922
Nitrate of soda	4,055	(c) 210	516
Italy—			
Nitrate of potash	8	32	17
Nitrate of soda	50	541	(d)
Netherlands—			
Nitrate of potash, refined ..	542	529	784
Nitrate of soda	551	2,425	10,446
Nitrate of lime	2,934	142	22

EXPORTS OF NITRATES (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Norway—			
Nitrate of soda	18,341	17,035	31,880
Nitrate of lime	115,532	80,560	155,031
Sweden—			
Nitrate of potash	13	5	1
Nitrate of soda	5	2	1
Nitrate of lime	—	5	—
Switzerland—			
Nitrates of potash and soda	99	43	1
Chile—			
Nitrate of potash	(<i>d</i>)	(<i>d</i>)	(<i>a</i>)
Nitrate of soda	2,701,984	1,173,888	1,143,335
Dutch East Indies (<i>f</i>)—			
Nitrate of soda	(<i>a</i>)	2,634	(<i>a</i>)

(*a*) Information not available.

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

(*c*) Eight months only, May–December.

(*d*) Less than $\frac{1}{2}$ ton.

(*e*) Figures refer to Belgium–Luxemburg Economic Union.

(*f*) Total exports.

(*g*) Total exports, excluding transit trade.

IMPORTS OF NITRATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash	8,762	5,393	7,104
Nitrate of soda	99,969	55,048	33,346
Nitrate of lime	1,097	1,747	4,060
Mauritius—			
Nitrate of potash	4,130	3,241	1,406
Nitrate of soda	2,472	2,980	835
Southern Rhodesia—			
Nitrate of potash	3	5	7
South-West Africa Territory—			
Nitrate of potash	1	1	1
Union of South Africa—			
Nitrate of potash	264	206	148
Nitrate of soda	31	8	22
Nitrates for manufacturing purposes	14,957	21,603	13,413
Canada (c)—			
Nitrate of potash	366	238	386
Nitrate of soda	23,473	10,196	14,153
Nitrate compounds for the manufacture of explosives	61	38	3,841
Barbados—			
Nitrate of soda	242	217	(b)
Ceylon—			
Nitrate of potash	21	(b)	(b)
Nitrate of potash refuse ..	4,412	(b)	3,025
Nitrate of soda	2,612	(b)	1,425
Hong Kong (d)—			
Nitrate of potash	1,516	3,354	2,708
India (c)—			
By land (d)—			
Nitrate of potash	178	483	34
By sea—			
Nitrate of potash	3	2	2
Straits Settlements (g)—			
Nitrate of potash	148	330	414
Australia (e)—			
Nitrate of potash	258	111	279
Nitrate of soda	5,135	4,847	2,425
New Zealand—			
Nitrate of potash	133	28	86
Nitrate of soda (<i>Manure</i>) ..	659	109	391
Nitrate of soda, including acetate of soda and alkaline compounds ..	236	188	303

IMPORTS OF NITRATES (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Austria (g)—			
Unrefined nitrate of soda ..	878	1,316	626
Nitrate of potash and refined nitrate of soda	173	296	(b)
Belgium—			
Nitrate of potash	(a)	(a)	(h) 455
Nitrate of soda	114,546	273,755	(h) 25,374
Nitrate of lime	(a)	(a)	(h) 3,643
Czechoslovakia (d)—			
Nitrate of potash	2,807	59	74
Nitrate of soda	6,919	37,324	23,963
Denmark—			
Nitrate of potash	650	516	527
Nitrate of soda—			
Chile saltpetre	41,416	54,566	31,465
Other	37	31	369
Nitrate of lime	60,681	48,496	63,395
Finland (d)—			
Nitrate of potash	9	15	(b)
Nitrate of soda—			
Chile saltpetre	1,263	14	} 3,728
Other	(b)	(b)	
Nitrate of lime	390	670	
France—			
Nitrate of potash—			
Natural	31	1	158
Synthetic	1,465	702	476
Nitrate of soda	257,164	308,989	159,357
Nitrate and cyanamide of lime	11,494	7,254	7,760
Germany—			
Nitrate of potash	—	(f) 1	550
Nitrate of soda	30,855	(f) 225	30,980
Greece—			
Nitrate of potash	86	92	49
Italy—			
Nitrate of potash	525	727	1,347
Nitrate of soda	48,414	20,658	38,723
Netherlands—			
Nitrate of potash, refined ..	397	479	954
Nitrate of soda	152,778	119,765	120,330
Nitrate of lime	45	229	2,827
Norway (d)—			
Nitrate of potash	93	18	82
Nitrate of soda	11	40	26
Poland (d)—			
Nitrate of potash	8,808	2,119	(b)

IMPORTS OF NITRATES (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Russia (<i>d</i>)—			
Nitrate of potash	—	508	(<i>b</i>)
Spain (<i>d</i>)—			
Nitrate of soda	131,989	97,786	45,281
Sweden—			
Nitrate of potash	228	217	257
Nitrate of soda	22,425	25,632	19,864
Nitrate of lime	22,419	14,698	17,430
Switzerland—			
Nitrates of potash and soda	234	294	334
Algeria—			
Nitrate and cyanamide of lime	1,041	439	1,522
Egypt—			
Nitrate of potash	4	2	2
Nitrate of soda	97,264	34,565	95,785
Nitrate of lime	—	3,061	7,475
Tunis (<i>d</i>)—			
Nitrate of potash	3	11	1
Nitrate of soda	62	1	127
United States—			
Nitrate of potash	16,799	7,206	2,399
Nitrate of soda	1,302,073	336,113	529,427
Argentina—			
Nitrate of potash	278	51	94
Nitrate of soda	746	190	1,382
Brazil (<i>d</i>)—			
Nitrate of potash	2,102	657	1,049
Chile—			
Nitrate of potash	26	16	(<i>a</i>)
China—			
Nitrate of potash	1,792	1,970	2,133
Japan—			
Nitrate of potash (<i>d</i>)	(<i>a</i>)	563	1,279
Nitrate of soda	111,976	16,884	52,016
Dutch East Indies (<i>d</i>)—			
Nitrate of potash	80	120	142
Nitrate of soda	18,770	(<i>b</i>)	98

(a) Less than $\frac{1}{2}$ ton.

(b) Information not available.

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

(d) Total imports.

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

(f) Eight months only, May–December.

(g) Total imports, excluding transit trade.

(h) Figures refer to Belgium–Luxemburg Economic Union.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF PETROLEUM

(Including Shale-Oil)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	234,000	145,000	215,099
Canada	28,036	26,792	25,581
Trinidad	297,575	336,308	349,250
India	1,196,395	1,247,687	1,218,384
Sarawak	148,633	199,856	403,394
Australia (a)	8,000	10,500	(e)
New Zealand (a)	400	400	(e)
Total	1,913,000	1,967,000	2,223,000
FOREIGN COUNTRIES			
Czechoslovakia	(c)	13,642	17,455
France	58,750	54,680	68,900
Germany	34,400	37,692	44,277
Italy	6,349	5,723	4,453
Poland	752,729	693,457	701,643
Rumania	1,091,102	1,149,636	1,350,840
Russia	3,771,000	3,974,000	5,153,000
Sweden	(e)	321	347
Algeria	(c)	431	1,368
Egypt	145,572	179,732	171,000
Mexico	23,675,138	29,655,339	26,039,780
United States	63,275,570	67,454,710	79,647,300
Argentina	235,435	(d) 247,214	382,000
Colombia	(c)	(e)	46,100
Ecuador	(c)	7,100	(e)
Peru	367,281	480,815	782,223
Venezuela	68,421	214,640	329,540
Dutch East Indies	2,327,304	2,323,554	2,388,526
Formosa	1,097	(e)	(e)
Japan	316,008	317,773	291,424
Persia	1,712,267	(b)2,310,098	(b)2,913,908
Other Countries (a)	12,000	—	—
Total	97,850,000	109,130,000	120,340,000
WORLD'S TOTAL	99,760,000	111,100,000	122,560,000

(a) Estimated.

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

(c) Included with "Other Countries."

(d) Excluding a small production from privately-owned wells.

(e) Information not available.

PRODUCTION OF NATURAL GAS
(Thousand cubic feet)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	95	100	100
Canada	16,845,518	14,077,601	14,682,651
FOREIGN COUNTRIES			
Italy	269,044	279,038	234,936
Jugoslavia (a)	3,000,000	3,000,000	3,000,000
Poland	14,303,611	14,259,284	14,196,550
Rumania	6,023,391	6,374,634	8,832,020
United States	798,210,000	662,052,000	(a)725,000,000
Japan	236,801	205,298	(b)

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

(a) Approximate production.

(b) Information not available.

PRODUCTION OF NATURAL ASPHALT
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Barbados (a)	91	109	131
Trinidad	(c) 141,234	119,729	182,655
FOREIGN COUNTRIES			
Greece	30	—	(d)
Italy	968	861	739
Poland (e)	362	256	(d)
Switzerland (f)	13,825	17,202	21,691
Cuba (f)	2,995	337	107
United States (b)	50,182	8,987	26,512
Venezuela	23,075	47,710	(d)
Japan	6,823	6,831	275

(a) Exports of manjak.

(b) Gilsonite.

(c) Including 134 long tons of manjak.

(d) Information not available.

(e) Ozokerite.

(f) Exports.

PRODUCTION OF ASPHALT ROCK AND BITUMINOUS ROCK

(Long tons)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES			
France	24,622	32,600	36,700
Germany	31,400	28,900	(a)
Greece	1,670	478	(a)
Italy	104,928	91,746	66,804
Rumania	1,039	13,895	12,807
Spain	4,154	3,476	5,838
United States	118,172	253,604	266,113
Philippine Islands.. .. .	(b) 2,000	(a)	(a)

(a) Information not available.

(b) Estimated.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	2,842,582	1,966,895	2,842,582
Australia	21,144	33,357	23,507
FOREIGN COUNTRIES			
Austria	1,077	1,141	703
Esthonia	45,417	93,157	137,700
France	68,244	46,300	(b)
Italy	16,737	4,782	6,067
Russia	27,900	18,700	(b)
United States (a)	8,875	2,062	46

(a) Bituminous substances, excluding petroleum, asphalt, bituminous rock, gilsonite and ozokerite.

(b) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS.

(Domestic Produce)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Crude petroleum ..	Gallon	143,701	101,033	37,629
Motor spirit	do.	25,710	1,476,856	2,221,289
Other light oils ..	do.	293,872	16,496	46,733
Kerosene	do.	435,359	770,897	2,738,911
Gas-oil	do.	323,278	299,508	88,739
Fuel-oil	do.	782,700	766,630	37,960,903
Lubricating oil ..	do.	8,395,678	5,479,530	6,290,386
Other refined oils ..	do.	134,661	84,922	66,491
Mineral jelly	Long ton	807	246	254
Paraffin wax	do.	12,215	8,146	6,698
Canada (b)—				
Crude coal-oil and kerosene	Gallon	2,424,142	7,435,539	5,737,542
Gasoline and naphtha	do.	349,883	569,436	1,996,719
Refined coal-oil and kerosene	do.	553,566	1,482,560	1,558,550
Mineral wax	Long ton	995	2	1,937
Other petroleum products	Gallon	190,036	473,963	909,709
Trinidad and Tobago—				
Crude petroleum ..	Gallon	4,555,977	4,020,702	9,261,371
Motor spirit	do.	2,420,821	2,762,435	5,463,036
Refined petroleum, including kerosene ..	do.	1,870,861	1,993,821	2,152,625
Fuel-oil	do.	27,349,856	33,781,450	39,475,864
Lubricating oil ..	do.	—	(a)	6,812
Asphalt—				
Crude	Long ton	36,617	23,600	39,390
Dried	do.	76,915	68,722	100,041
Manjak	do.	165	2	2
British Borneo (Sarawak)—				
Crude petroleum ..	Long ton	2,400	35,098	51,986
Kerosene recorded by weight	do.	54,602	42,884	11,840
Kerosene recorded by volume	Gallon	5,344	232	144
Benzine	Long ton	20,034	21,626	56,942
Liquid fuel	do.	21,890	70,664	202,389
Hong Kong (e)—				
Benzine	Gallon	250,106	404,212	484,303
Kerosene	do.	23,382,843	26,458,777	27,566,947
Fuel-oil	Long ton	17,207	16,934	10,259
Lubricating oil ..	Gallon	1,364,698	1,067,255	975,229

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922	
BRITISH EMPIRE (Cont.)					
Hong Kong (Cont.)—					
Greases.. .. .	Long ton	100	230	382	
Paraffin wax	do.	2,389	4,218	6,671	
Asphalt products ..	£	27,827	2,172	1,554	
India (b)—					
By land (e)—					
Petroleum	Long ton	17,600	21,102	21,228	
By sea—					
Benzine and other light oils	Gallon	18,856,640	20,156,323	19,789,228	
Kerosene	do.	7,224	29,820	33,940	
Paraffin wax	Long ton	24,980	28,141	27,369	
Straits Settlements (g)—					
Benzine	Gallon	723,599	759,670	3,635,779	
Kerosene	do.	3,930,680	3,069,560	10,835,768	
Fuel-oil	Long ton	1,925	3,537	14,333	
Lubricating oil ..	Gallon	962,491	966,701	1,330,414	
Greases.. .. .	Long ton	417	165	148	
Paraffin wax	do.	66	32	322	
Australia (f)—					
Crude petroleum ..	Gallon	18,354	107,708	15,564	
Benzine and other light oils	do.	2,465	560	6,890	
Lubricating oil ..	do.	8,017	29,108	4,907	
Residual and solar oils	do.	20,876	14,389	1,955	
Greases.. .. .	Long ton	96	118	94	
FOREIGN COUNTRIES					
Austria (g)—					
Benzine	Long ton	31	483	37	
Kerosene	do.	41	200	281	
Gas-oil, etc.	do.	(a)	138	1,044	
Heavy oils, refined ..	do.	464	1,078	520	
Greases.. .. .	do.	1,278	970	(a)	
Paraffin wax	do.	220	260	(a)	
Crude ozokerite ..	do.	52	69	(a)	
Bitumen and asphalt-rock	do.	150	1,024	(a)	
Asphalt-cement, mastic asphalt, resin-cement	do.	239	248	(a)	
Belgium—					
Crude petroleum—					
Domestic exports ..	Long ton	223	803	} See below	
Shipped as bunkers	do.	—	7,283		
Refined petroleum—					
Domestic exports ..	do.	26,571	9,062		
Shipped as bunkers	do.	142	95		

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
Belgium-Luxemburg				
Economic Union—				
Crude petroleum, etc.	Long ton			323
Refined petroleum, etc.	do.			1,985
Kerosene ..	do.			3,005
Lubricating oil ..	do.		See Belgium	(j) 5,434
Fuel-oil—				
Domestic exports ..	do.			(j) 122
Shipped as bunkers	do.			(j) 35
Other heavy oils ..	do.			22,392
Asphalt	do.			(j) 112
Czechoslovakia (e)—				
Refined petroleum and benzene	Long ton	241	1,176	(a)
Other mineral oils ..	do.	2,133	2,352	(a)
Ozokerite	do.	31	96	(a)
Asphalt and bitumen ..	do.	341	296	(a)
Denmark—				
Fuel-oil	Long ton	22	87	116
Lubricating oil ..	do.	248	75	78
Paraffin wax	do.	31	10	9
Asphalt rock	do.	1	18	—
France—				
Crude petroleum and shale-oil	Long ton	653	134	566
Refined petroleum and shale-oil—				
Domestic exports ..	Gallon	741,334	285,450	} 241,824
Shipped as bunkers ..	do.	134,310	143,748	
Light distillates of petroleum and shale-oil—				
Domestic exports ..	do.	1,060,114	313,874	} 432,256
Shipped as bunkers	do.	4,378	19,558	
Greases and other heavy oils—				
Domestic exports ..	Long ton	14,200	13,873	} 21,717
Shipped as bunkers ..	do.	862	1,128	
Vaseline	do.	563	456	198
Residual oil	do.	(i)	823	2,632
Paraffin wax, including lignite wax—				
Domestic exports ..	do.	682	248	} 49
Shipped as stores ..	do.	13	5	
Ozokerite	do.	114	118	53
Bitumen and asphalt ..	do.	9,043	8,772	8,900

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
Germany—				
Crude benzine	Long ton	—	(c) 26	494
Kerosene	do.	1,138	(c) 471	111
Lubricating oil and gas-oil	do.	2,744	(c) 2,095	3,648
Paraffin, crude or refined, also soft paraffin	do.	192	(c) 115	179
Refined ozokerite, ceresine in blocks, etc. ..	do.	829	(c) 456	1,335
Asphalt	do.	5,493	(c) 1,808	3,215
Crude ozokerite, etc. ..	do.	(a)	(a)	3,185
Italy—				
Crude and residual oils	Long ton	1,805	1,031	1,065
Benzine	do.	217	47	82
Kerosene	do.	163	261	131
Other mineral, resinous and tar oils	do.	539	785	677
Vaseline	do.	18	18	7
Paraffin wax	do.	48	46	37
Ceresine	do.	—	9	28
Asphalt	do.	2,319	5,979	4,139
Netherlands—				
Benzine	Long ton	30	512	152
Kerosene	do.	1,151	1,117	22
Gas-oil	do.	8,736	1,668	2,815
Fuel-oil—				
Domestic exports ..	Long ton	(a)	17,097	13,895
Shipped as bunkers..	do.	(a)	78,914	105,635
Lubricating oil	do.	1,420	433	403
Other petroleum distillates and residues ..	do.	13,830	826	18,016
Paraffin wax	do.	139	684	674
Ozokerite and ceresine	do.	29	9	15
Natural asphalt	do.	2,357	1,317	1,504
Poland (e)—				
Crude petroleum	Long ton	44,245	81,787	(a)
Petroleum residues ..	do.	(a)	12,018	(a)
Other petroleum products.. ..	do.	(a)	225,938	(a)
Asphalt-rock	do.	513	271	(a)
Asphalt	do.	420	306	(a)
Rumania (e)—				
Crude mineral oils ..	Long ton	3,444	15,262	2
Benzine	do.	53,452	142,784	129,468
Kerosene	do.	146,040	169,549	267,939
Residual oils	do.	23,715	14,966	14,638

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Rumania (e) (Cont.)—				
Paraffin wax	Long ton	83	—	86
Other petroleum products	do.	16,295	13,714	16,586
Russia (e)—				
Petroleum	Long ton	40	479	(a)
Benzine	do.	43	6,386	(a)
Other mineral oils	do.	—	409	(a)
Spain (e)—				
Refined petroleum	Long ton	142	231	332
Tar, asphalt-rock and bitumen	do.	201	885	144
Sweden—				
Crude and residual oils	Long ton	289	430	4,341
Benzine and gasoline ..	do.	839	2,935	2,891
Kerosene	do.	2,749	624	647
Lubricating oil	do.	1,487	723	319
Vaseline	do.	7	2	3
Other refined mineral oils	do.	109	171	50
Paraffin wax	do.	122	58	29
Ozokerite	do.	28	1	(k)
Asphalt	do.	163	133	467
Switzerland—				
Crude asphalt and bitumen	Long ton	13,825	17,202	21,691
Other petroleum products	do.	115	170	109
Algeria—				
Refined petroleum and shale oil	Gallon	12,474	67,584	(a)
Light distillates of petroleum and shale oil ..	do.	106,304	696	(a)
Greases and other heavy oils	Long ton	508	416	(a)
Paraffin wax, including lignite wax	do.	2	—	(a)
Belgian Congo (e)—				
Motor spirit	Long ton	32	39	21
Benzine	do.	38	33	77
Other mineral oils	do.	47	4	3
Egypt—				
Benzine—				
Recorded by weight	Long ton	285	5,749	19,021
Recorded by volume	Gallon	—	44,136	6,376

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Egypt (Cont.)—				
Kerosene—				
Recorded by weight	Long ton	86	17	244
Recorded by volume	Gallon	—	34,864	8,776
Fuel-oil (<i>Mazout</i>) ..	Long ton	274	2,173	19,514
Lubricating oil and greases	do.	(k)	210	9
Candles	do.	2	22	2
Mexico—				
Crude petroleum ..	Long ton	14,622,448	} 25,250,872	} 26,654,000
Gasoline and other light oils	do.	596,681		
Kerosene	do.	85,479		
Gas-oil	do.	5,491		
Fuel-oil	do.	5,940,930		
Lubricating oil and greases	do.	15,202		
Asphalt	do.	77,549		
Other petroleum products	do.	(a)		
United States—				
Crude mineral oils ..	Gallon	281,571,734	310,292,404	349,828,247
Gasoline	do.	329,486,885	229,014,529	} 482,551,672
Other light oils ..	do.	204,937,904	215,214,915	
Kerosene	do.	725,554,194	624,144,248	746,025,534
Gas-oil and fuel-oil ..	do.	689,661,875	704,217,253	581,016,170
Paraffin lubricating oil	do.	1,656,150	538,202	27,024,307
Other lubricating oils	do.	333,445,066	240,558,982	249,108,766
Residual oils	do.	16,057,343	7,632,493	8,409,327
Crude paraffin wax ..	Long ton	37,834	20,620	37,284
Refined paraffin wax ..	do.	129,700	80,220	89,725
Petroleum jelly, etc. ..	£	962,563	353,073	283,700
Crude asphalt	Long ton	46,166	40,506	51,216
Bolivia—				
Mineral oils, etc. ..	Long ton	—	2	1
Peru—				
Crude petroleum ..	Long ton	76,358	102,770	261,407
Gasoline—				
Domestic exports ..	do.	6,651	8,436	18,250
Shipped as bunkers	do.	106	—	—
Naphtha—				
Domestic exports ..	do.	31,502	90,184	123,687
Shipped as bunkers	do.	—	—	—
Kerosene—				
Domestic exports ..	do.	6,485	7,219	14,703
Shipped as bunkers	do.	—	3	36

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
Peru (Cont.)—				
Fuel-oil—				
Domestic exports ..	Long ton	31,598	88,543	77,711
Shipped as bunkers	do.	22,383	18,588	24,285
Lubricating oil—				
Domestic exports ..	do.	7	175	55
Shipped as bunkers	do.	—	3	18
Dutch East Indies—				
Java and Madura (e)—				
Benzine and gasoline	Gallon	—	53,833	3,716
Kerosene	do.	11,478	402,202	44,286
Fuel-oil	do.	6,724,156	1,430,278	719,533
Lubricating oil ..	Long ton	4,199	1,395	1,794
Vaseline	do.	31	—	—
Greases	do.	49	40	16
Paraffin wax ..	do.	2,516	3,128	2,830
Asphalt	do.	—	394	375
Other Islands (e)—				
Crude petroleum ..	Gallon	146,717,453	141,698,218	148,161,905
Benzine and gasoline	do.	107,689,610	118,420,350	140,289,321
Kerosene	do.	77,596,308	70,503,724	53,499,378
Fuel-oil	do.	52,300,670	57,631,427	80,905,131
Lubricating oil ..	Long ton	11,692	9,749	13,050
Greases	do.	167	319	111
Paraffin wax ..	do.	16,109	18,920	16,275
Candles	do.	5,413	3,937	6,960
Asphalt	do.	1,768	768	1,181
Japan—				
Kerosene	Gallon	308,000	58,000	111,000
Other mineral oils ..	Long ton	4,199	3,177	2,971
Persia (e) (h)—				
Naphtha oils—				
Crude	Long ton	734,627	(d)	(a)
Refined	do.	288,328	(d)	(a)
Benzine	do.	(a)	209,953	(a)
Petroleum	do.	(a)	133,298	(a)
Fuel and lubricating oils	do.	(a)	988,763	(a)

(a) Information not available.

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

(c) Eight months only, May–December.

(d) Revised classification adopted for 1921.

(e) Total exports.

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

(g) Total exports, excluding transit trade.

(h) Years ended 20th March of the year stated.

(i) Included with greases and other heavy oils.

(j) Figures refer to the period 24th June to 31st December.

(k) Less than $\frac{1}{2}$ ton.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS

(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom—				
Crude petroleum ..	Gallon	4,179,883	101,435,010	217,084,459
Motor spirit	do.	181,062,662	238,711,649	284,543,003
Other light oils ..	do.	12,581	13,006	(206,385 k)
Kerosene	do.	147,026,724	146,914,172	148,853,064
Gas-oil	do.	51,575,866	76,574,061	69,045,983
Fuel-oil	do.	342,027,912	530,856,749	386,565,331
Lubricating oil ..	do.	99,705,589	49,024,668	67,342,671
Other refined oils ..	do.	70,468	53,416	27,557
Mineral jelly	Long ton	4,938	2,430	1,993
Paraffin wax	do.	80,815	35,473	44,962
Ozokerite	do.	468	177	531
Asphalt and bitumen ..	do.	102,125	88,053	143,071
Malta—				
Motor spirit	Gallon	1,843,623	2,112,268	2,576,099
Kerosene	do.	167,341	28,029	333,647
Fuel-oil	Long ton	11,563	(6,791 k)	6,338
Anglo-Egyptian Sudan—				
Petroleum—				
Recorded by volume	Gallon	219,616	426,464	438,984
Recorded by weight	Long ton	260	158	44
Benzine, gasoline, etc.	do.	559	647	681
Fuel-oil	do.	1,796	7,370	1,479
Lubricating and other mineral oils	do.	402	1,022	708
Paraffin wax	do.	59	4	—
Gambia—				
Motor spirit	Gallon	50,954	27,823	39,131
Kerosene	do.	62,445	50,360	69,600
Lubricating oil ..	do.	23,073	13,093	6,502
Gold Coast—				
Motor spirit	Gallon	(a)	986,230	1,055,781
Kerosene	do.	1,480,065	1,297,923	1,595,760
Fuel-oil	do.	1,331,610	131,625	41,838
Kenya—				
Motor spirit	Gallon	(c) 562,437	(o) 453,326	452,370
Kerosene	do.	(c) 796,807	(o) 637,152	660,140
Fuel-oil	do.	(c) 800,747	(o) 367,304	2,499,827
Mauritius—				
Motor spirit	Gallon	246,032	(f) 1,001,852	(f) 307,094
Kerosene	do.	322,000	672,180	600,666
Nigeria—				
Motor spirit	Gallon	756,680	327,268	(a)
Kerosene	do.	3,064,170	1,452,672	2,646,353

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Nyasaland—				
Motor spirit	Gallon	(a)	(a)	82,818
Kerosene	do.	(a)	(a)	39,608
Lubricating oil ..	do.	(a)	(a)	12,400
Northern Rhodesia—				
Motor spirit	Gallon	23,781	25,531	22,774
Kerosene	do.	26,829	32,663	30,902
Lubricating oil ..	do.	20,629	29,350	20,101
Southern Rhodesia—				
Motor spirit	Gallon	381,082	409,419	384,680
Kerosene	do.	213,048	222,679	204,473
Lubricating oil ..	do.	166,936	221,279	200,699
Sierra Leone—				
Motor spirit	Gallon	32,308	37,048	53,617
Kerosene	do.	380,010	299,030	377,380
Tanganyika Territory—				
Motor spirit	Gallon	52,927	74,038	8,987
Kerosene	do.	316,341	297,116	289,032
Fuel-oil	do.	(a)	(a)	3,182
Lubricating oil ..	do.	(a)	(a)	19,206
Union of South Africa—				
Motor spirit	Gallon	10,901,452	9,606,606	10,754,358
Kerosene	do.	8,477,157	8,306,363	9,268,493
Lubricating oil ..	do.	2,959,235	2,484,878	2,385,533
Other mineral oils ..	do.	1,512,613	7,497,865	1,291,557
Paraffin wax (f) ..	Long ton	11,231	4,143	8,601
Asphalt and bitumen ..	do.	1,805	1,006	2,935
Zanzibar—				
Motor spirit	Gallon	(a)	75,572	115,347
Kerosene	do.	(a)	450,634	540,176
Fuel-oil	do.	(a)	79,182	160,539
Lubricating oils and greases	do.	(a)	18,994	17,996
Canada (c)—				
Crude petroleum ..	Gallon	430,961,378	443,463,445	478,987,880
Petroleum imported by miners or mining companies for their own use	do.	22,894	11,377	17,672
Gasoline, under .725 specific gravity at 60°F.	do.	9,400,824	22,192,721	28,028,341
Other gasoline	do.	(a)	21,188,271	18,462,274
Refined coal-oil and kerosene	do.	16,720,030	8,262,611	3,431,332

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Canada (Cont.)—				
Illuminating oils, composed wholly or in part of the products of petroleum, coal, shale or lignite ..	Gallon	188,503	106,129	100,807
Lubricating oils ..	do.	5,126,992	4,940,282	7,322,916
Vaseline and similar petroleum products	£	53,507	51,116	53,580
Axle-grease	Long ton	1,913	1,535	1,217
Paraffin wax and paraffin wax candles	do.	666	761	445
Asphalt, not solid, and asphaltic oil.. ..	£	16,903	16,548	23,587
Solid asphalt	Long ton	26,830	23,351	22,339
Other petroleum products	Gallon	51,441,904	1,312,819	1,768,963
Newfoundland (e)—				
Crude petroleum ..	£	2,407	3,517	62
Gasoline and other light oils (f)	Gallon	1,234,804	753,943	1,306,858
Kerosene	do.	2,020,299	1,237,437	2,056,444
Lubricating oil ..	do.	136,073	147,686	69,113
West Indies—				
Barbados—				
Motor spirit.. ..	Gallon	233,052	314,772	214,436
Kerosene	do.	266,950	371,688	359,425
Paraffin oil	do.	(325 k)	(200 k)	900
Fuel-oil	do.	18,254	(£2,746)	(£1,253)
Residual oil	Long ton	978	3,009	1,115
Bermuda—				
Gasolene and naphtha	Gallon	1,668	9,843	(a)
Kerosene	do.	679,280	387,687	(a)
Fuel-oil	Long ton	7,910	13,647	(a)
Jamaica—				
Motor spirit.. ..	Gallon	832,416	911,767	1,105,406
Kerosene	do.	1,251,621	1,051,547	1,172,076
Gas-oil	do.	(a)	1,964	3,360
Fuel-oil	do.	923	10,970	37,884
Lubricating oil ..	do.	92,362	73,954	126,495
Other petroleum oils	do.	53,848	74,080	80,635
St. Lucia—				
Motor spirit.. ..	Gallon	12,145	15,168	14,597
Kerosene	do.	56,580	62,093	66,948
Fuel-oil	do.	17,122	—	—
Lubricating oil ..	do.	2,473	2,161	5,547

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
West Indies (Cont.)—				
St. Vincent—				
Crude petroleum ..	Gallon	36,387	12,077	6,708
Motor spirit ..	do.	12,576	7,389	13,195
Kerosene ..	do.	48,792	45,072	39,637
Lubricating oil ..	do.	1,290	1,148	1,248
Trinidad and Tobago—				
Motor spirit ..	Gallon	199	1,368	36,192
Refined petroleum, including kerosene	do.	215,947	59,950	53,166
Lubricating oil (f) ..	do.	(g) 217,336	130,808	122,225
Ceylon—				
Crude petroleum ..	Gallon	5,420,948	2,338,551	7,197,123
Motor spirit ..	do.	1,014,886	1,410,831	1,384,225
Kerosene ..	do.	5,098,459	4,280,898	7,032,612
Lubricating oil ..	do.	364,024	410,784	371,772
Cyprus—				
Crude petroleum ..	Gallon	53,188	39,502	54,159
Motor spirit, etc. ..	do.	90,000	130,388	206,624
Kerosene, etc. ..	do.	331,311	589,421	653,360
Lubricating oil ..	Long ton	63	71	132
Paraffin wax ..	do.	(p)	36	50
Hong Kong (f)—				
Benzine ..	Gallon	334,987	722,572	975,732
Kerosene ..	do.	28,668,598	27,161,905	26,310,401
Fuel-oil ..	Long ton	98,270	43,118	86,515
Lubricating oil ..	Gallon	1,750,748	1,543,806	1,299,339
Greases ..	Long ton	101	539	265
Paraffin wax ..	do.	2,947	4,995	7,729
Asphalt products ..	£	17,633	16,894	19,677
India (c)—				
By land (f)—				
Petroleum ..	Long ton	16	3	2
By sea—				
Benzine and other light oils ..	Gallon	2,052	1,348	1,262
Kerosene ..	do.	55,222,898	46,323,410	50,280,202
Fuel-oil ..	do.	48,162,750	58,171,728	62,547,230
Lubricating oil ..	do.	18,560,497	16,899,336	18,060,221
Paraffin wax ..	Long ton	7	64	187
Asphalt ..	do.	6,725	5,361	6,959
Straits Settlements (h)—				
Benzine ..	Gallon	3,286,947	3,113,565	7,297,407
Kerosene ..	do.	8,256,680	7,530,976	15,220,056
Fuel-oil ..	Long ton	21,954	13,394	109,204
Lubricating oil ..	Gallon	1,445,142	1,474,594	1,311,318

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
Straits Settlements (Cont.)—				
Greases	Long ton	181	229	77
Paraffin wax	do.	670	585	780
Australia (e)—				
Crude petroleum ..	Gallon	10	454	50
Benzine and other light oils	do.	24,692,173	34,355,862	33,260,329
Kerosene	do.	15,150,534	19,687,602	15,399,352
Lubricating oil ..	do.	2,764,789	8,472,934	3,793,624
Residual and solar oils (f)	do.	7,406,267	(n)10,196,071	6,114,490
Petroleum jelly ..	Long ton	287	283	252
Greases (f)	do.	725	1,473	517
Paraffin wax and candles (f)	do.	4,643	2,331	2,664
Asphalt and asphaltic compositions ..	£	42,355	39,137	34,156
Fiji Islands—				
Motor spirit	Gallon	307,166	429,423	369,319
Kerosene	do.	388,392	319,529	396,698
Lubricating oil ..	do.	36,510	46,499	25,954
New Zealand—				
Crude petroleum ..	Gallon	209,280	193,042	216,591
Benzine and benzoline	do.	8,709,761	4,024,055	2,785,610
Gasoline and other light oils	do.	9,347,085	14,257,783	13,793,001
Kerosene	do.	4,833,072	4,513,086	4,097,146
Lubricating oil ..	do.	1,457,994	1,634,347	1,104,621
Residual oil	do.	154,748	180,863	224,068
Petroleum greases and mixtures	Long ton	122	138	24
Other refined mineral oils	Gallon	10,349	52,471	6,572
Paraffin wax	Long ton	1,741	1,590	1,757
Asphalt	do.	3,338	1,158	1,558
FOREIGN COUNTRIES				
Austria (h)—				
Crude oils	Long ton	7,227	12,907	(a)
Crude distillates ..	do.		22,640	(a)
Benzine	do.	19,065	15,703	21,385
Kerosene	do.	14,814	15,481	22,480
Gas oil	do.	(a)	217	283
Lubricating oil ..	do.	33,970	18,501	22,238
Residual oil	do.	8,353	4,465	(a)
Paraffin wax	do.	4,807	3,679	(a)
Bitumen and asphalt-rock	do.	591	782	(a)

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
Belgium—				
Petroleum—				
Crude	Long ton	3,934	9,862	} See below
Refined	do.	77,405	64,361	
Belgium-Luxemburg Economic Union—				
Crude petroleum, etc.	Long ton	} See Belgium		54
Refined petroleum, etc.	do.			40,430
Kerosene, crude or refined	do.			76,666
Fuel-oil	do.			(i) 2,547
Other heavy oils	do.			85,270
Lubricating oil	do.			(i) 5,434
Asphalt	do.			(i) 2,754
Czechoslovakia (f)—				
Crude mineral oils ..	Long ton	41,265	48,989	23,340
Refined petroleum and benzine	do.	40,980	27,591	39,008
Residual oil, including lubricating oil ..	do.	4,047	2,827	(a)
Other mineral oils ..	do.	43,421	23,499	24,195
Ozokerite	do.	10	31	(a)
Asphalt and bitumen ..	do.	395	1,138	(a)
Denmark—				
Benzine	Long ton	26,064	34,221	51,408
Kerosene	do.	67,643	47,582	74,703
Fuel-oil	do.	49,497	38,466	73,798
Lubricating oil	do.	12,010	10,578	7,305
Paraffin wax	do.	654	159	295
Asphalt rock	do.	3,503	2,256	3,288
Finland (f)—				
Crude petroleum ..	Long ton	11,773	16,620	20,289
Benzine, gasoline and kerosene	do.	3,777	3,535	5,591
Lubricating oil	do.	6,214	6,711	7,756
Vaseline	do.	157	68	(a)
Paraffin wax	do.	229	202	399
France—				
Crude petroleum and shale-oil—				
Recorded by weight	Long ton	1,302	52	1,351
Recorded by volume	Gallon	653,664	71,368	138,094
Refined petroleum and shale-oil—				
Recorded by weight	Long ton	125	5,375	244
Recorded by volume	Gallon	82,732,672	60,392,904	84,105,318

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
France (Cont.)—				
Light distillates of petro- leum and shale oil—				
Recorded by weight	Long ton	1,604	3,747	765
Recorded by volume	Gallon	139,849,996	132,805,464	166,401,708
Vaseline	Long ton	914	109	80
Greases and other heavy oils	do.	222,571	127,382	183,205
Residual oil	do.	66,575	54,544	75,482
Paraffin wax, including lignite wax	do.	4,524	1,176	2,944
Ozokerite	do.	198	34	294
Bitumen and asphalt..	do.	10,830	24,972	45,488
Germany—				
Benzine—				
Crude	Long ton	44,521	(q) 35,709	77,930
Heavy	do.	12,046	(q) 25,878	53,050
Kerosene	do.	106,800	(q) 79,957	189,584
Gas oil	do.	10,626	(q) 15,650	53,452
Lubricating oil ..	do.	159,030	(q) 186,868	284,939
Paraffin, crude or refined, also soft paraffin ..	do.	11,164	(q) 7,414	12,783
Refined ozokerite, cere- sine in blocks, etc. ..	do.	129	(q) 25	67
Asphalt	do.	4,090	(q) 4,095	8,429
Greece—				
Mineral oil	Long ton	2,412	3,040	2,541
Petroleum	do.	8,282	12,865	10,755
Benzine	do.	5,640	5,096	6,636
Italy—				
Crude and residual oils	Long ton	97,855	100,086	160,228
Benzine	do.	115,729	101,759	112,839
Kerosene	do.	119,582	95,869	97,540
Other mineral, resinous and tar oils	do.	87,650	53,056	70,215
Vaseline	do.	350	59	145
Paraffin wax	do.	26,420	18,761	22,941
Ceresine	do.	32	9	35
Asphalt	do.	1,722	1,387	2,340
Netherlands—				
Benzine	Long ton	41,150	38,237	46,132
Kerosene	do.	147,113	153,486	168,063
Gas-oil	do.	56,497	51,952	49,989
Fuel-oil	do.	(a)	150,035	200,569
Lubricating oil ..	do.	28,940	19,067	24,357

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Netherlands (<i>Cont.</i>)—				
Other petroleum distillates and residues ..	Long ton	196,345	1,986	766
Paraffin wax	do.	2,660	2,376	1,986
Ozokerite and ceresine ..	do.	149	210	180
Natural asphalt ..	do.	2,662	2,385	3,232
Norway—				
Benzine and other light oils (<i>f</i>)	Long ton	19,236	21,296	20,944
Kerosene (<i>f</i>)	do.	64,476	65,524	126,389
Other mineral oils, greases, etc. (<i>f</i>) ..	do.	12,488	3,720	8,986
Asphalt, bitumen, etc. ..	do.	2,085	1,237	2,374
Poland (<i>f</i>)—				
Crude petroleum ..	Long ton	201	90	(<i>a</i>)
Products of crude petroleum	do.	(<i>a</i>)	974	(<i>a</i>)
Asphalt-rock and asphalt	do.	111	58	(<i>a</i>)
Rumania (<i>f</i>)—				
Crude oil and other oils and greases	Long ton	289	(<i>a</i>)	(<i>a</i>)
Paraffin wax, ozokerite and ceresine	do.	1,122	(<i>a</i>)	(<i>a</i>)
Candles	do.	508	(<i>a</i>)	(<i>a</i>)
Asphalt and bitumen in all forms	do.	5	(<i>a</i>)	(<i>a</i>)
Russia (<i>f</i>)—				
Petroleum	Long ton	—	493	(<i>a</i>)
Other mineral oils ..	do.	(<i>p</i>)	622	(<i>a</i>)
Spain (<i>f</i>)—				
Unrefined petroleum ..	Long ton	27,129	17,211	79,557
Benzine, gasoline and other light oils ..	do.	30,045	46,006	
Naphthas, lubricating oils, etc.	do.	23,245	14,510	17,457
Pitch and other residual products	do.	78,750	60,825	26,847
Paraffin wax	do.	8,754	3,749	7,580
Sweden—				
Crude and residual oils	Long ton	48,193	35,984	41,965
Benzine and gasoline	do.	42,133	48,089	55,876
Kerosene	do.	61,356	40,811	54,522
Lubricating oil	do.	33,719	12,983	19,070
Vaseline	do.	236	89	118

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Sweden (Cont.)—				
Other refined mineral oils	Long ton	1,149	4,330	3,492
Paraffin wax	do.	2,213	1,148	2,012
Ozokerite	do.	78	34	51
Asphalt	do.	4,689	3,905	7,383
Switzerland—				
Benzine and kerosene	Long ton	24,217	10,482	21,512
Petroleum distillation products and substitutes	do.	26	99	364
Fuel-oil	do.	8,730	9,090	23,698
Lubricating oil	do.	12,008	8,565	10,285
Vaseline	do.	307	107	218
Paraffin wax and ceresine	do.	886	1,049	1,079
Crude asphalt and bitumen	do.	907	563	856
Algeria—				
Refined petroleum and shale oils	Gallon	2,457,620	2,690,666	(a)
Light distillates of petroleum and shale oils	do.	4,520,824	4,041,268	(a)
Greases and other heavy oils	Long ton	6,407	4,873	(a)
Paraffin wax, including lignite wax	do.	49	29	(a)
Belgian Congo (f)—				
Motor spirit	Long ton	1,102	623	817
Benzine	do.	535	930	1,031
Other mineral oils	do.	499	687	1,351
Egypt—				
Benzine—				
Recorded by weight	Long ton	4,740	12,809	10,476
Recorded by volume	Gallon	—	113,672	(k 444,048)
Kerosene—				
Recorded by weight	Long ton	117,815	134,592	140,188
Recorded by volume	Gallon	2,896	(k 4,288,768)	(k 2,786,344)
Fuel-oil (Mazout)	Long ton	125,394	70,317	82,003
Lubricating oil and greases	do.	7,365	5,853	7,972
Vaseline	do.	15	36	43
Paraffin wax	do.	210	172	158
Candles	do.	393	126	(f) 258
Asphalt or bitumen	do.	4,291	4,731	4,959

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Tunis (f)—				
Refined petroleum and shale oils	Gallon	857,000	2,008,000	3,069,000
Light distillates of petroleum and shale oils	do.	989,000	1,076,000	1,179,000
Fuel-oil	Long ton	(a)	1,074	1,115
Vaseline	do.	27	8	7
Heavy oils and petroleum residues	do.	3,033	2,409	2,331
Paraffin wax	do.	107	1	22
Refined ozokerite	do.	1	(p)	1
Madagascar (f)—				
Gasoline	Long ton	(a)	515	308
Kerosene	do.	(a)	587	1,106
Heavy oils and petroleum residues	do.	(a)	119	459
Cuba (f)—				
Crude mineral oils	Gallon	22,169,889	26,045,370	30,959,614
Benzine	do.	688,532	96,062	18,055
Gasoline	do.	6,940,674	1,518,628	249,470
Naphtha	do.	520	3,843	139
Fuel-oil	do.	169,615,058	210,092,108	185,320,663
Other refined mineral oils	do.	9,656,200	6,285,330	3,861,729
Tar derived from petroleum	Long ton	2,735	1,227	313
Asphalt rock	do.	559	1,285	354
Dominican Republic (f)—				
Crude petroleum	£	30,573	25,701	71,654
Gasolene	do.	117,659	82,164	90,452
Kerosene	do.	79,012	66,318	49,063
Lubricating oil	do.	39,872	35,916	21,473
Other mineral oils	do.	66,131	50,545	19,042
United States—				
Crude mineral oils	Gallon	3,691,208,618	4,385,144,666	4,449,924,450
Refined mineral oils, including benzine, gasoline and naphtha	do.	91,648,997	119,419,496	299,598,158
Paraffin and paraffin wax, excluding oil	Long ton	3,406	2,030	3,325
Mineral wax	do.	1,887	3,810	3,989
Asphalt and bitumen	do.	114,654	114,709	110,328
Argentina—				
Crude petroleum—				
For fuel	Long ton	279,767	578,232	623,838
For refining	do.	30,921	23,962	19,214

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES(Cont.)				
Argentina (Cont.)—				
Unrefined benzine ..	Gallon	116,998	36,161	16,005
Naphtha	do.	15,846,406	28,460,421	34,859,241
Kerosene—				
Recorded by weight	Long ton	236	463	207
Recorded by volume	Gallon	9,764,359	9,806,350	12,550,429
Gas-oil	Long ton	142	150	9,043
Fuel-oil	do.	200,391	14,397	1,191
Lubricating oil ..	do.	25,733	22,627	18,812
Vaseline	do.	212	168	249
Greases.. ..	do.	1,900	994	1,431
Paraffin wax	do.	2,117	2,806	3,546
Trinidad asphalt ..	do.	4,647	1,422	3,061
Asphalt for roofing ..	do.	867	580	404
Bolivia—				
Crude petroleum ..	Long ton	5,792	7,335	(a)
Gasoline and naphtha	do.	712	811	(a)
Kerosene	do.	1,848	1,005	(a)
Paraffin and stearine wax	do.	1,854	1,318	(a)
Other mineral oils ..	do.	880	975	(a)
Brazil (f)—				
Gasoline	Long ton	35,799	46,452	43,822
Benzine	do.	3	2	18
Kerosene	do.	57,560	78,252	80,582
Fuel-oil	do.	224,976	257,749	149,532
Lubricating oil ..	do.	14,849	12,130	19,402
Vaseline	do.	98	40	137
Greases.. ..	do.	918	263	666
Paraffin wax	do.	543	420	866
Asphalt	do.	3,391	5,908	3,094
Chile—				
Crude petroleum ..	Long ton	627,834	533,129	452,539
Benzine and other light oils	do.	16,991	14,185	10,304
Kerosene	do.	18,828	13,458	9,018
Mineral oils for indus- trial use	do.	8,981	4,569	6,484
Vaseline	do.	53	31	64
Greases.. ..	do.	570	310	447
Paraffin wax	do.	6,359	4,846	8,563
Crude asphalt	do.	1,214	114	1,010
Peru—				
Crude petroleum ..	Long ton	6,887	20,154	(a)
Benzine, naphtha, kero- sene, etc.	do.	738	909	1,259

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

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Peru (<i>Cont.</i>)—				
Lubricating oil	Long ton	2,528	907	657
Vaseline	do.	32	17	19
Paraffin wax	do.	2,104	1,531	2,210
China—				
Benzine and other light oils	Gallon	2,604,634	4,664,455	4,818,271
Kerosene	do.	157,990,450	145,925,104	174,326,752
Fuel-oil	Long ton	75,447	40,561	62,764
Lubricating oil	Gallon	5,776,532	4,349,588	6,306,790
Paraffin wax	Long ton	9,453	15,100	22,904
Dutch East Indies—				
Java and Madura (<i>f</i>)—				
Kerosene	Gallon	7,591,990	6,934,269	2,762,264
Fuel-oil	do.	14,026	—	—
Lubricating oil	Long ton	4,018	16,782	4,662
Vaseline	do.	13	13	13
Greases	do.	139	321	100
Paraffin wax	do.	3	7	121
Asphalt	do.	45	395	793
Other Islands (<i>f</i>)—				
Crude petroleum	Gallon	8,288,575	1,342,064	302,212
Benzine and gasoline	do.	1,683,305	3,063,613	2,098,186
Kerosene	do.	1,553,217	5,628,224	10,329,189
Fuel-oil	do.	169,781	5,110,968	2,414,612
Lubricating oil	Long ton	796	4,564	742
Vaseline	do.	6	4	4
Greases	do.	31	66	16
Paraffin wax	do.	4	16	20
Candles	do.	14	220	2
Asphalt	do.	—	65	52
Japan (<i>f</i>)—				
Crude mineral oils	Gallon	3,464,000	9,362,000	19,721,000
Benzine	do.	5,088,000	4,845,000	9,864,000
Kerosene	do.	28,259,000	22,561,000	28,050,000
Other illuminating oils	do.	2,375,000	1,354,000	4,723,000
Mineral colza oil	do.	459,000	102,000	147,000
Other mineral oils	Long ton	15,875	11,759	15,056
Vaseline	do.	509	780	627
Paraffin wax	do.	16,251	15,402	18,560
Persia (<i>b</i>) (<i>f</i>)—				
Naphtha oils—				
Crude	Long ton	4,049	(<i>l</i>)	(<i>a</i>)
Refined	do.	35,489	(<i>l</i>)	(<i>a</i>)
Benzine	do.	(<i>a</i>)	160	(<i>a</i>)

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Persia (b) (f) (Cont.)—				
Petroleum	Long ton	(a)	3,914	(a)
Fuel and lubricating oils	do.	(a)	319	(a)
Siam (c) (d) (f)—				
Benzine	Gallon	455,313	511,547	593,800
Kerosene	do.	3,625,253	4,375,872	3,957,687
Fuel-oil	do.	2,570,627	1,215,989	2,478,407
Lubricating oil ..	do.	428,661	479,088	407,230

(a) Information not available.

(b) Years ended 20th March of the year stated.

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

(d) The figures refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

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

(f) Total imports.

(g) Including paint oils.

(h) Total imports, excluding transit trade.

(i) Figures refer to the period, 24th June to 31st December.

(k) Excess of re-exports.

(l) Revised classification adopted for 1921.

(n) Excluding solar oils.

(o) Nine months only, April–December.

(p) Less than $\frac{1}{2}$ ton.

(q) Eight months only, May–December.

PHOSPHATES

 PRODUCTION OF PHOSPHATE-ROCK
 (Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Canada	—	(c) 62	(c) —
India (g)	—	347	—
Christmas Island	(b) 69,554	(e) 86,505	(e) 99,352
Australia	13,129	7,189	3,888
New Zealand	5,341	6,012	3,128
Nauru Island	} (f) 364,251	(f) 361,205	{ 182,170 (b)
Ocean Island .. .. .				(d)
Total ..	452,000	461,000	470,000
FOREIGN COUNTRIES			
Belgium	531,000	119,000	119,000
France	122,922	112,000	(d)
Germany—			
Bavaria	4,855	(d)	(d)
Prussia	1,896	910	(d)
Norway (g)	—	1,051	—
Portugal	1,746	(d)	(d)
Russia	369	9,600	(d)
Spain	42,207	37,452	6,388
Algeria	449,000	392,400	474,553
Egypt	112,968	120,063	59,252
Morocco (a)	—	8,100	80,000
Tunis	1,058,000	1,799,000	2,071,000
Dutch West Indies (b)	60,453	(d)	(d)
United States	3,975,001	2,426,174	2,336,856
Chile (g)	1,486	1,181	(d)
Formosa	—	18	(d)
French Indo-China	13,000	9,700	7,500
Japan	95,776	31,487	12,132
Angaur Island (h)	30,000	30,000	(d)
Makatea	(b) 30,000	(h) 39,000	76,254
New Caledonia	5,255	(d)	(d)
Total ..	6,540,000	5,200,000	5,400,000
WORLD'S TOTAL	6,990,000	5,700,000	5,900,000

(a) Sales.

(b) Exports.

(c) Sales during 1921 and 1922 were 28 long tons and 170 long tons, respectively.

(d) Information not available.

(e) Exports from Straits Settlements.

(f) Exports during the year ended 30th June of the year following that stated.

(g) Apatite.

(h) Approximate production.

PRODUCTION OF SUPERPHOSPHATES.
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	554,415	382,000	688,513
Canada	4,789	(a)	(a)
Australia	152,897	(a)	(a)
FOREIGN COUNTRIES			
Belgium	216,000	300,000	384,586
Denmark	162,600	82,940	169,353
France	1,813,649	1,381,589	2,098,560
Germany	280,000	440,000	475,000
Italy	654,000	667,000	886,000
Netherlands	186,573	190,547	297,143
Poland	(a)	(c) 53,991	(a)
Portugal	44,000	108,000	96,900
Russia	5,306	5,195	(a)
Spain	364,652	533,414	454,114
Sweden	182,342	131,388	123,556
Algeria (b)	11,417	2,299	17,637
United States	(a)	3,482,720	2,743,397
Japan	500,725	545,475	(a)

(a) Information not available.

(b) Exports.

(c) Including Upper Silesia.

PRODUCTION OF BASIC SLAG
(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	701,393	377,181	461,815
FOREIGN COUNTRIES			
Belgium	370,000	320,000	(c)
Czechoslovakia	(b) 50,875	(c)	(c)
France	327,100	385,300	602,000
Germany	721,000	938,000	1,114,000
Luxemburg	135,506	176,520	369,900
Poland	(c)	77,765	(c)
Sweden	9,239	5,031	7,140

(a) Years ended 30th September of the year stated.

(b) Produced by the Prager Eisenindustrie-Gesellschaft during its financial year 1919-20.

(c) Information not available.

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

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Superphosphates	12,189	3,466	5,981
Basic slag	11,154	5,844	6,753
Canada (b)—			
Phosphate-rock	1	—	—
Straits Settlements (g) (i)—			
Phosphate-rock	69,575	86,505	99,352
Australia (d)—			
Phosphate-rock	3,623	9,308	645
Superphosphates	13,209	23,643	1,336
New Zealand—			
Superphosphates	—	3	80
Nauru Island—			
Phosphate-rock	(e) 364,251	(e) 361,205	182,170
Ocean Island—			(a)
Phosphate-rock			
FOREIGN COUNTRIES			
Belgium—			
Phosphate-rock	36,121	45,212	(k) 102,286
Superphosphates	148,216	200,431	(k) 265,163
Basic slag	183,990	169,461	(k) 442,051
Czechoslovakia (c)—			
Superphosphates	37	124	(a)
Basic slag	1,393	143	(l) 2,175
Denmark—			
Superphosphates	5,045	11,146	257
Basic slag	1	—	—
France—			
Phosphate-rock	3,232	5,920	15,204
Superphosphates	17,358	62,306	74,190
Basic slag	17,621	307,205	303,371
Germany—			
Phosphate-rock	767	(f) 336	168
Superphosphates	1,023	(f) 5,485	13,663
Basic slag	4,796	(f) 975	3,135
Italy—			
Phosphate-rock	5	1	13
Basic slag	10	—	—
Luxemburg—			
Basic slag	110,309	(a)	(h)
Netherlands—			
Phosphate-rock	694	1,006	175
Superphosphates	62,332	94,715	183,779
Basic slag	178	2,268	2,951

EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Norway—			
Phosphate-rock	256	—	—
Superphosphates	43,930	8,684	3,211
Poland (c)—			
Phosphatic fertilizers ..	11	861	(a)
Sweden—			
Superphosphates	41,695	18,087	19,985
Switzerland—			
Superphosphates	4,331	1,907	8,064
Basic slag	—	1	—
Algeria—			
Phosphate-rock	329,325	366,040	516,952
Superphosphates	11,417	2,299	17,637
Egypt—			
Phosphate-rock	142,660	83,034	17,793
Superphosphates	61	40	—
Tunis (c)—			
Phosphate-rock	1,457,844	1,431,851	2,090,271
Dutch West Indies—			
Phosphate-rock	60,453	(a)	(a)
United States—			
Phosphate-rock	1,069,712	733,312	719,294
Superphosphates	80,993	4,278	24,373
Chile—			
Phosphate-rock	2	—	—
Japan—			
Phosphatic fertilizers ..	20,677	2,998	1,332
Angaur Island (j)—			
Phosphate-rock	30,000	30,000	(a)
Makatea (j)—			
Phosphate-rock	30,000	39,000	(a)

(a) Information not available.

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

(c) Total exports.

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

(e) Shipments during the years ended 30th June of the year following that stated.

(f) Eight months only, May–December.

(g) Total exports, excluding transit trade.

(h) Included with Belgium.

(i) Entirely from Christmas Island.

(j) Approximate production.

(k) Figures refer to Belgium–Luxemburg Economic Union.

(l) Including other slags.

IMPORTS OF PHOSPHATES, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Phosphate-rock	523,235	370,125	371,361
Superphosphates	5,638	42,685	47,419
Basic slag	17,223	44,168	71,858
Mauritius—			
Superphosphates	1,772	1,226	686
Union of South Africa—			
Phosphate-rock	9,774	11,259	7,399
Superphosphates	10,987	10,190	12,535
Basic slag	4,571	1,701	2,947
Canada (b)—			
Phosphate-rock	9,867	12,379	10,272
Superphosphates	(£118,884)	(£110,763)	(£84,062)
Ceylon—			
Superphosphates	1,094	(a)	651
Basic slag	2,440	44	785
Australia (d)—			
Phosphate-rock	129,258	237,807	162,790
Superphosphates	—	—	52
New Zealand—			
Phosphate-rock	49,145	44,898	49,462
Superphosphates	34,410	9,833	100
Basic slag	11,164	12,885	16,128
FOREIGN COUNTRIES			
Austria (e)—			
Phosphate-rock	9,731	—	952
Superphosphates	11,796	4,421	1,600
Basic slag	258	2,335	8,418
Belgium—			
Phosphate-rock	122,952	143,622	(c) 149,901
Superphosphates	7,107	8,434	(c) 33,223
Basic slag	30,520	40,203	(c) 35,475
Czechoslovakia (f)—			
Phosphate-rock	17,273	45,866	30,204
Superphosphates	15,830	49,645	15,217
Basic slag	102	2	(g) 84,555
Denmark—			
Phosphate-rock	102,596	22,733	104,282
Superphosphates	51,606	50,149	80,176
Basic slag	1,031	4,379	13,805

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Finland (f)—			
Phosphate-rock	305	101	5,581
Superphosphates	3,227	5,013	11,430
Basic slag	6,514	6,066	14,305
France—			
Phosphate-rock	866,774	694,305	1,150,557
Superphosphates	42,604	39,029	38,522
Basic slag	30,611	35,075	26,918
Germany—			
Phosphate-rock	131,239	(h) 222,323	373,497
Superphosphates	24,833	(h) 13,839	56,141
Basic slag	39,500	(h) 219,803	273,202
Italy—			
Phosphate-rock	393,572	558,422	546,608
Basic slag	1,364	9,436	29,090
Luxemburg—			
Basic slag	1,873	(a)	(g)
Netherlands—			
Phosphate-rock	115,528	101,911	168,941
Superphosphates	29,685	56,146	115,609
Basic slag	157,593	126,423	241,908
Norway—			
Phosphate-rock	32,028	7,909	3,146
Superphosphates	6	3,465	14,186
Basic slag	—	3,461	9,199
Poland (f)—			
Phosphatic fertilizers ..	20,177	26,240	(a)
Rumania (f)—			
Phosphate-rock	15	(a)	(a)
Spain (f)—			
Phosphate-rock	239,257	276,255	242,744
Superphosphates and basic slag	53,639	76,914	69,062
Sweden—			
Phosphate-rock	111,039	69,095	70,144
Superphosphates	4,947	4,096	12,072
Basic slag	—	5,709	1,689
Switzerland—			
Superphosphates	16,463	8,204	1,746
Basic slag	64,098	50,398	63,378
Algeria—			
Superphosphates	245	6,603	10,491
Egypt—			
Superphosphates	13,520	3,493	10,211

IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description	1920	1921	1922		
FOREIGN COUNTRIES (Cont.)					
Tunis (f)—					
Superphosphates	10,119	5,859	6,118		
United States—					
Phosphate-rock	} 205	3,535	{ 5,980		
Other crude phosphates ..				(a)	40
Basic slag .. ..						324
Dutch East Indies (f)—					
Phosphate-rock and super- phosphates	6,219	13,736	7,174		
Japan—					
Phosphate-rock	291,241	210,580	280,508		

(a) Information not available.

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

(c) Figures refer to Belgium-Luxemburg Economic Union.

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

(e) Total imports, excluding transit trade.

(f) Total imports.

(g) Included with Belgium.

(h) Eight months only, May-December.

(i) Including other slags.

PLATINUM

PRODUCTION OF PLATINUM METALS FROM PLACERS (a)

(Crude troy ounces)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Canada (a)	17	23	11
New South Wales (c)	796	249	80
Tasmania (d)	2,009	1,751	1,174
Papua (d) (e)	360	(b)	(b)
Total	3,182	2,100	1,500
FOREIGN COUNTRIES			
Russia	11,060	6,582	22,383
United States (a) (f)	613	1,021	1,058
Colombia (g)	35,000	35,000	63,200
Japan	258	231	150
Total	47,000	43,000	87,000
WORLD'S TOTAL	50,000	45,000	89,000

(a) Platinum metals are also obtained as by-products in the refining of copper and nickel-copper mattes. Information available regarding this production is given in the following tables.

(b) Information not available.

(c) Crude platinum concentrates containing from 5 to 10 per cent. of osmiridium.

(d) Osmiridium.

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

(f) Domestic crude platinum purchased by refiners.

(g) Approximate production.

PRODUCTION, AS FAR AS INFORMATION IS AVAILABLE, OF PLATINUM METALS IN CANADA

Recovery of Platinum Black, Palladium and Iridium
Precipitate at the Royal Ottawa Mint
(Troy ounces)

Year	Platinum Black	Palladium	Iridium Precipitate
1920	7·220	—	—
1921	18·843	—	—
1922	12·386	(a)	(a)

(a) Information not available.

Production of Platinum Metals by Canadian and United States Refineries from Canadian Mattes and Residues

(Troy ounces)

Year	Platinum	Palladium	Other Platinum Metals
1920 (a)	578	913	513
1921	550	973	323
1922	176	341	125
1923	1,210	1,732	304

(a) The combined output of platinum metals, during 1920, by the Mond Nickel Company in Great Britain and the International Nickel Company in the United States is reported by the Ontario Department of Mines as follows:—Platinum, 8,345 oz.; palladium, 10,199 oz.; and rhodium-group metals, 522 oz. It is pointed out, however, that the precious metals recovered do not bear a definite ratio to the matte treated, as the residues are allowed to accumulate over irregular periods and recoveries cannot be credited to the matte treated in any particular year.

PRODUCTION OF PLATINUM METALS IN THE UNITED STATES

New Platinum and Allied Metals recovered by Refiners
in the United States (a)

(Troy ounces)

Year	Platinum	Palladium	Iridium	Osmiridium	Other Platinum Metals
1920 ..	36,015	4,309	418	409	393
1921 ..	51,791	2,686	286	581	1,026
1922 ..	54,142	1,943	210	1,301	122

(a) Recovered in the refining of domestic and foreign crude platinum-gold bullion, nickel and copper.

EXPORTS OF PLATINUM, ETC.

(Domestic Produce)

(Troy ounces)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	—	—	830
Refined platinum	2,833	1,581	1,435
Alloys, including dental platinum	494	425	98
Canada (b)—			
Platinum content of concentrates, etc.	540	709	34
Scrap	471	183	80
Australia (c)—			
Ores of platinum, iridium, palladium, etc.	(280 cwt.)	(21 cwt.)	(60 cwt.)
Bars, blocks, rods, plates, etc.	1,397	2,586	1,907
FOREIGN COUNTRIES			
Belgium—			
Unwrought platinum ..	(d)	193	(a) 129
Denmark—			
Platinum	32	32	96
France—			
Unwrought platinum ..	8,102	8,648	4,051
Sheets	386	96	772
Drawn or rolled platinum ..	2,990	2,411	3,183
Wire	96	193	1,640
Germany—			
Platinum and platinum alloys, including scrap ..	3,054	(e) 1,608	4,102
Netherlands—			
Unwrought platinum ..	—	32	(£783)
Switzerland—			
Unwrought platinum ..	322	868	772
United States—			
Unwrought platinum ..	1,302	3,272	1,456

(a) Figure refers to Belgium-Luxemburg Economic Union.

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

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

(d) Less than 32 ounces.

(e) Eight months only, May-December.

IMPORTS OF PLATINUM, ETC.

(Less Re-exports)

(Troy ounces)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	1,558	3,205	6,070
Refined platinum	(a 883)	875	2,092
Alloys, including dental platinum	24	520	596
Canada (b)—			
Bars, strips, sheets, plates and wire	(£19,748)	(£20,497)	(£19,725)
Crucibles	(£3,050)	(£1,315)	(£729)
Retorts, pans, condensers, piping, etc., imported by manufacturers of sulphuric acid	(£1,128)	(£1,031)	(£160)
Australia (c) (d)—			
Ores of platinum, iridium, palladium, etc.	(5 cwt.)	(f)	(f)
Bars, blocks, rods, plates, etc.	30	26	124
Retorts, pans, condensers and cylinders (£Australian)	(£642)	(£2,782)	(£884)
New Zealand—			
Blocks, bars and rods, etc.	1	3	21
FOREIGN COUNTRIES			
Belgium—			
Unwrought platinum ..	1,254	1,704	(h) 257
Denmark—			
Platinum	(a 290)	(a 257)	—
Finland (c)—			
Unwrought platinum, including sheets and wire ..	48	30	(e)
France—			
Unwrought platinum and scrap	22,794	7,523	5,208
Drawn or rolled platinum ..	450	386	—
Wire	322	—	129
Germany—			
Platinum and platinum alloys, including scrap ..	4,019	(g) 4,372	5,935
Netherlands—			
Unwrought platinum ..	96	32	—
Norway—			
Unwrought platinum ..	51	35	6
Wire	302	492	225

IMPORTS OF PLATINUM, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Rolled platinum	64	(e)	(e)
Switzerland—			
Unwrought platinum ..	129	64	64
Egypt (c)—			
Platinum	7	17	396
Cuba—			
Dust and bars	—	39	125
Ingots	—	—	3
United States—			
Platinum ore (j)	1,141	3,470	3,638
Unwrought platinum ..	57,812	44,676	} (i) 94,591
Ingots, bars, plates, etc. ..	23,143	17,265	
Iridium, osmium, palladium, etc.	18,685	16,218	15,041
Brazil (c)—			
Ingots, sheets and wire ..	167	235	214
Chile—			
Bars and sheets	253	3	6
Platinum chloride	6	34	3
Japan (c)—			
Platinum	8,011	3,919	724

(a) Excess of re-exports.

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

(c) Total imports.

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

(e) Information not available.

(f) Less than $\frac{1}{2}$ cwt.

(g) Eight months only, May–December.

(h) Figure refers to Belgium–Luxemburg Economic Union.

(i) Figure refers to the period, 1st January–21st September.

(j) Platinum content.

POTASH MINERALS

PRODUCTION OF POTASH

(Long tons)

Producing Country and Description	1920	1921	1922	K ₂ O Content		
				1920	1921	1922
BRITISH EMPIRE						
Canada (a)— Natro-alunite ..	—	27	45	—	(c)	(c)
India— Nitrate ..	16,874	15,894	11,673	6,750	6,358	4,669
Other salts ..	50	—	—	7	—	—
Australia— Alunite ..	654	535	280	53	44	23
Total ..				6,810	6,410	4,700
FOREIGN COUNTRIES						
France— Crude salts ..	1,022,926	869,930	1,305,043	191,231	144,003	196,932
Germany (a)— Crude salts ..	4,244,004	3,712,551	(c)	908,800	906,343	1,265,351
Italy— Leucite ..	8,100	14,567	18,000	(c)	(c)	(c)
Alunite ..	3,390	1,152	—	362	123	—
Poland— Kainite ..	2,263	180	2,479	226	18	248
Sylvite ..	7,865	15,262	42,862	787	1,526	4,286
Abyssinia— Chloride ..	1,070	(c)	(c)	535	(c)	(c)
United States— Crude salts— Mineral ..	131,576	14,759	16,331	36,573	6,428	8,321
Organic ..	17,383	7,996	6,147	6,353	2,653	2,138
China (b)— Nitrate ..	533	598	485	(c)	(c)	(c)
Total ..				1,147,000	1,067,000	1,482,000
WORLD'S TOTAL				1,154,000	1,073,000	1,487,000

(a) Sales.

(b) Exports.

(c) Information not available.

EXPORTS OF POTASH

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Kainite and other potash fertilizer salts	5	5	17
Nitrate	2,840	527	742
Carbonate	424	32	230
Caustic and lyes	27	35	27
Chlorate	343	269	171
Chloride	417	6	16
Chromate and bichromate	1,191	487	1,161
Cyanide	55	10	27
Ferro- and ferri-cyanides ..	84	21	47
Iodide	104	42	83
Permanganate	48	16	46
Sulphate	631	277	602
Other compounds	254	127	169
Nigeria—			
Potash	103	95	91
Canada (c)—			
Crude potash	30	21	11
Hong Kong (d)—			
Nitrate	1,850	2,142	1,483
Chlorate	305	530	479
India (c)—			
By land (d)—			
Nitrate	66	18	5
By sea—			
Nitrate	19,484	11,747	10,597
Other compounds	21	(f)	1
Straits Settlements (e)—			
Nitrate	141	285	320
Australia (g)—			
Alunite	1,470	910	1,535
FOREIGN COUNTRIES			
Austria (e)—			
Chlorate, including sodium chlorate	326	470	(a)
Czechoslovakia (d)—			
Nitrate	—	49	(a)
Carbonate	208	625	(a)
Bicarbonate, including sodium bicarbonate ..	23	27	(a)

EXPORTS OF POTASH (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia (d) (Cont.)—			
Caustic	990	2,654	3,164
Chlorate, including sodium chlorate	200	130	(a)
Chloride	325	551	(a)
Chromate and bichromate including those of sodium	22	56	(a)
Manganate and permanganate, including those of sodium	794	530	900
Potash	199	322	(a)
Prussiates, including those of sodium	20	(f)	(a)
Sulphate	681	863	(a)
Bisulphate	38	30	(a)
Sulphide, including sodium sulphide	957	1,083	535
Denmark—			
Caustic (Liquid)	15	13	2
Chromate	5	15	25
Other compounds	1	—	—
France—			
Kainite and sulphate of magnesium and potash ..	233,091	19,224	20,059
Chloride—			
Carnallite, sylvinite, etc. } 179,809 { 137,207 552,717			
Other } 123,764 35,470			
Nitrate—			
Natural	782	851	1,026
Synthetic	23	53	443
Alunite	51	21	15
Arsenate	8	4	6
Carbonate	1,183	10,259	20,630
Caustic	578	285	1,225
Chromate and bichromate, including those of sodium	189	34	16
Cyanide	5	4	165
Ferro-cyanide and sulpho-cyanide	512	457	427
Permanganate	7	7	10
Sulphate	227	876	1,882
Sulphite and bisulphite	20	10	54
Tartrates	8,204	5,767	8,539
Germany—			
Potash and other waste salts	829,662	(b) 269,512	898,425

EXPORTS OF POTASH (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Germany (<i>Cont.</i>)—			
Nitrate	4,349	(b) 3,502	11,922
Potash, including wool yolk ash	3,823	(b) 4,878	10,421
Caustic	9,336	(b) 17,010	27,572
Chloride	97,724	(b) 44,884	158,065
Sulphate	34,511	(b) 16,697	83,850
Sulphate of magnesium and potash	24,148	(b) 3,297	40,944
Italy—			
Nitrate	8	31	17
Caustic	18	20	21
Chloride	(f)	—	(a)
Hypochlorite, including hy- pochlorites of lime and soda	5,424	1,358	2,116
Netherlands—			
Potash fertilizer salts ..	1,655	22	223
Kainite and carnallite ..	1,610	145	30
Caustic	109	102	39
Chloride	1,657	749	920
Nitrate, refined	542	529	784
Sulphate, including sulphate of magnesium and potash	1,142	623	356
Other compounds	564	2,396	3,212
Poland (<i>d</i>)—			
Potash fertilizer salts ..	561	4,625	(a)
Russia (<i>d</i>)—			
Potash	153	1,039	(a)
Sweden—			
Stassfurt salts	59	20	—
Nitrate	13	5	1
Carbonate	81	27	24
Caustic, including caustic soda	484	148	672
Chloride	46	112	141
Chromate and bichromate, including those of sodium	22	3	6
Cyanide, including sodium cyanide	2	1	(f)
Sulphate	7	—	(f)
Switzerland—			
Crude potash	(f)	(f)	1
Nitrates of potash and soda	99	43	1

EXPORTS OF POTASH (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Switzerland (<i>Cont.</i>)—			
Caustic, including caustic soda—			
Liquid	1	2	(f)
Solid	9	8	4
Chromate, cyanide, ferri- cyanide, ferro-cyanide, sulpho-cyanide and per- manganate	2	2	1
United States—			
Bichromate	(h)	(h)	1,978
Chlorate	1,259	167	251
Other potash	(£852,276)	(£74,417)	(£67,039)
Chile—			
Nitrate	(f)	(f)	(a)
Chlorate	(f)	—	(a)
Tartrate	91	—	(a)
Other compounds	33	43	(a)
China—			
Potash	533	598	485
Japan—			
Chlorate	1,152	1,053	1,279
Iodide	12	10	4

(a) Information not available.

(b) Eight months only, May-December.

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

(d) Total exports.

(e) Total exports, excluding transit trade.

(f) Less than $\frac{1}{2}$ ton.

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

(h) Included with other potash.

IMPORTS OF POTASH

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Kainite and other potash fertilizer salts	98,117	48,336	163,509
Nitrate	8,762	5,393	7,104
Carbonate	561	1,439	2,411
Caustic and lyes	1,994	2,109	3,216
Chlorate	671	1,151	808
Chloride	11,523	7,911	19,766
Chromate and bichromate	62	28	66
Cyanide	14	49	47
Ferro- and ferri-cyanide ..	321	210	306
Iodide	8	8	—
Permanganate	72	181	46
Sulphate	5,118	2,122	8,185
Other compounds	259	199	162
Mauritius—			
Nitrate	4,130	3,241	1,406
Nigeria—			
Iodide	14	3	8
Southern Rhodesia—			
Nitrate	3	5	7
Cyanide	(b)	2	7
Other compounds	1	1	3
Union of South Africa—			
Potash fertilizer salts ..	432	696	807
Nitrate	264	205	148
Cyanide	41	19	140
Other compounds	214	200	396
Canada (d)—			
Kainite and other crude Ger- man potash fertilizer salts	1,251	11	1,277
Crude chloride	8,176	3,860	10,955
Crude sulphate			
Nitrate	366	238	386
Bicarbonate	5	4	5
Bichromate	15	37	53
Caustic	79	105	128
Chlorate, not further pre- pared than ground	125	198	643
Ferro- and ferri-cyanides ..	14	14	29
Potash and pearl ash	22	34	69
Other compounds	(a)	158	107

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)			
Ceylon—			
Kainite	1,324	57	824
Nitrate	21	(a)	(a)
Nitrate refuse	4,412	(a)	3,025
Chloride—			
Muriate	2,332	503	3,383
Sylvinite	(a)	(a)	769
Sulphate	1,306	51	948
Hong Kong (<i>f</i>)—			
Nitrate	1,516	3,354	2,708
Chlorate	289	498	707
India (<i>d</i>)—			
By land (<i>f</i>)—			
Nitrate	178	483	34
By sea—			
Nitrate	3	2	2
Bichromate	119	178	234
Chlorate	104	161	236
Cyanide	7	1	(b)
Other compounds	67	88	89
Straits Settlements (<i>e</i>)—			
Nitrate	148	330	414
Australia (<i>h</i>)—			
Nitrate	258	111	279
Bichromate	1	3	26
Carbonate and pearl ash ..	9	14	36
Caustic	8	36	87
Chlorate	74	156	226
Cyanides, including sodium cyanide	460	708	611
Permanganate	4	5	10
Other compounds	12	23	89
New Zealand—			
Kainite	311	1,031	3,918
Nitrate	133	28	86
Chloride	70	30	65
Cyanide, including sodium cyanide	147	206	108
Potash and caustic potash	3	7	22
Sulphate	386	275	707
Other compounds	140	145	394
FOREIGN COUNTRIES			
Austria (<i>e</i>)—			
Potash fertilizer salts ..	17,707	22,056	(a)

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Austria (<i>e</i>) (<i>Cont.</i>)—			
Chlorate, including sodium chlorate	144	140	(a)
Chloride	305	925	(a)
Chromates and manganates, including those of sodium	216	377	(a)
Nitrate, including refined sodium nitrate	173	296	(a)
Potash	212	542	(a)
Sulphide, including sodium sulphide	355	1,094	(a)
Czechoslovakia (<i>f</i>)—			
Nitrate	2,807	59	74
Carbonate	3	1	(a)
Bicarbonate, including sodium bicarbonate	1,108	364	82
Caustic	125	16	(a)
Chlorate of potash and soda	254	108	(a)
Chloride	8,467	5,346	3,848
Chromate and bichromate, including soda	24	12	(a)
Manganate and permanganate of potash and soda ..	11	1	(a)
Potash	82	81	(a)
Prussiate of potash and soda	87	137	(a)
Sulphate	11	416	(a)
Sulphide of potash and soda	241	6	(a)
Denmark—			
Kainite	72	417	2,217
Other potash fertilizer salts	4,523	8,842	24,861
Nitrate	650	511	527
Caustic—			
Liquid	177	141	228
Solid	1,451	1,131	1,275
Chlorate	57	48	89
Chloride	3	212	162
Chromate	53	9	9
Cyanide	6	2	7
Potash	704	474	701
Sulphate and sulphite ..	2	2	17
Sulphurated salts, including those of sodium	302	274	337
Other compounds	2	1	17

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Finland (<i>f</i>)—			
Potash salts from salt pits	1,839	3,731	11,451
Borate	2	2	(<i>a</i>)
Carbonate	103	94	(<i>a</i>)
Chlorate	101	300	(<i>a</i>)
Chloride	756	(<i>b</i>)	(<i>a</i>)
Chromate and bichromate	91	31	(<i>a</i>)
Nitrate	9	15	(<i>a</i>)
Phosphate, including phos- phate of sodium and am- monia	446	(<i>b</i>)	(<i>a</i>)
Sulphide, including sodium sulphide, etc.	319	146	(<i>a</i>)
France—			
Kainite and sulphate of mag- nesium and potash ..	106	34	373
Chloride—			
Carnallite, sylvinitc, etc.	} 1,894	{ 7,147	16
Other			2,580	1,282
Nitrate—			
Natural	31	1	158
Synthetic	1,466	702	476
Alunite	2,418	—	1,623
Carbonate	1,807	1,747	2,595
Caustic	561	1,412	1,195
Chromate and bichromate, including those of sodium	3,488	1,469	2,934
Cyanide	14	6	16
Ferro-cyanide and sulpho- cyanide	44	17	31
Permanganate	61	61	26
Sulphate	1,363	2,095	2,353
Germany—			
Nitrate	—	(<i>c</i>) 1	550
Potash, including wool yolk ash.. .. .	26	(<i>c</i>) 40	14
Caustic	185	(<i>c</i>) 1	213
Sulphate	16	—	99
Sulphate of magnesia potash	13	—	2
Greece—			
Nitrate	86	92	49
Potash	140	371	164
Italy—			
Nitrate	525	776	1,347
Bicarbonate, including so- dium bicarbonate ..	1,802	(<i>a</i>)	(<i>a</i>)

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Italy (<i>Cont.</i>)—			
Carbonate	58	600	474
Caustic	75	830	850
Chloride	3,367	(a)	(a)
Chromate and bichromate including those of sodium	973	153	225
Hypochlorite, including hypochlorites of lime and soda	263	412	885
Permanganate, including sodium permanganate ..	111	152	27
Sulphate	989	(a)	(a)
Sulphide, including sodium sulphide	5,605	1,946	2,182
Netherlands—			
Potash fertilizer salts ..	189,086	148,330	241,506
Kainite and carnallite ..	100,174	119,917	155,595
Caustic	2,765	1,087	416
Chloride	2,740	999	3,527
Nitrate, refined	397	479	954
Sulphate, including sulphate of magnesium and potash	24,740	7,877	34,208
Other compounds	1,660	1,930	2,400
Norway—			
Kainite and other potash salts	16,800	8,312	14,714
Caustic	603	683	891
Chlorate (f)	100	65	266
Chloride	414	272	104
Nitrate (f)	93	18	82
Potash	643	100	1,148
Poland (f)—			
Potash fertilizer salts ..	4,715	4,307	(a)
Nitrate	8,808	2,119	(a)
Portugal—			
Carbonate	3	(a)	(a)
Caustic	493	(a)	(a)
Rumania (f)—			
Carbonate and bicarbonate	14	(a)	(a)
Caustic	1	(a)	(a)
Chlorate	68	(a)	(a)
Chromate and bichromate	34	(a)	(a)
Iodide	4	(a)	(a)
Manganate and permanganate	1	(a)	(a)

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Russia (<i>f</i>)—			
Nitrate	—	508	(<i>a</i>)
Chlorate	67	448	(<i>a</i>)
Spain (<i>f</i>)—			
Carbonate	(<i>a</i>)	(<i>a</i>)	423
Caustic, including caustic soda	737	147	803
Chlorate, including sodium chlorate	413	11	10
Sulphate, also chloride of potash and other salts ..	(<i>a</i>)	(<i>a</i>)	20,775
Sweden—			
Stassfurt salts—			
Potash salts (20%) ..	19,000	25,914	45,919
Kainite (12%)	} 30,845	270	(<i>g</i>)
Potash fertilizer (37%) ..		6	6
Other kinds		11,004	30,320
Nitrate	228	217	257
Carbonate	1,890	683	1,356
Caustic, including caustic soda	5,298	4,156	5,571
Chloride	5,961	126	2,401
Chromate and bichromate, including those of sodium	274	38	109
Cyanide, including sodium cyanide	43	31	23
Sulphate	2	14	42
Switzerland—			
Crude potash	296	233	228
Nitrate and sodium nitrate	234	294	334
Caustic, including caustic soda—			
Liquid	242	340	345
Solid	11,385	3,742	5,612
Chromate, cyanide, ferri- cyanide, ferro-cyanide, sulpho-cyanide and per- manganate	216	68	85
Algeria—			
Potash salts	9,164	551	1,964
Egypt—			
Nitrate	4	2	2
Bichromate, including sodium bichromate ..	240	213	278

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Tunis (<i>f</i>)—			
Nitrate	3	11	1
Carbonate	4	13	103
Chlorate	3	12	1
Chloride	1	49	108
Silicate, including sodium silicate	89	7	12
Sulphate	(<i>b</i>)	10	61
Tartrates	4	2	4
United States—			
Kainite	374,709	69,076	149,857
Chloride	121,170	70,870	159,752
Nitrate	16,799	7,206	2,399
Carbonate, including crude	14,488	3,340	4,386
Cyanide	6,450	1,682	1,250
Hydrate with not more than 15 per cent. caustic soda	759	4,846	5,094
Sulphate	15,008	11,111	57,680
Argentina—			
Nitrate	278	51	94
Bichromate	29	20	56
Carbonate	39	40	99
Caustic	32	27	63
Chlorate	198	214	226
Cyanide	6	2	5
Iodide	6	5	6
Permanganate	6	3	4
Other compounds	84	62	66
Brazil (<i>f</i>)—			
Nitrate	2,102	657	1,049
Caustic	3	2	4
Potash and soda ash	6,165	5,081	8,156
Chile—			
Potash fertilizer salts	31	31	51
Nitrate	26	16	(<i>b</i>)
Bicarbonate	1	2	(<i>b</i>)
Bichromate	42	54	120
Carbonate	12	10	23
Caustic	63	1	1
Chlorate	120	63	120
Cyanide	4	1	12
Ferro-cyanide	2	1	1
Silicate	(<i>b</i>)	—	(<i>b</i>)
Tartrate	2	1	1
Other compounds	179	72	120

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Peru—			
Cyanide, carbonate, chloride and other compounds ..	140	58	90
China—			
Nitrate	1,793	1,970	2,133
Dutch East Indies (<i>f</i>)—			
Nitrate	80	119	142
Sulphate	766	151	69
Japan (<i>f</i>)—			
Nitrate	—	563	1,267
Bichromate	242	319	1,402
Bromide	105	125	106
Chlorate	4,026	1,168	1,753
Cyanide, including sodium cyanide	312	184	228
Sulphate	1,551	1,182	7,357
Philippine Islands—			
Chlorate	11	10	7

(*a*) Information not available.

(*b*) Less than $\frac{1}{2}$ ton.

(*c*) Eight months only, May–December.

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

(*e*) Total imports, excluding transit trade.

(*f*) Total imports

(*g*) Included with other kinds.

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

PYRITES

PRODUCTION OF PYRITES (a)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	6,659	3,943	6,023
Union of South Africa ..	3,166	3,893	2,803
Canada (c)	156,021	29,793	16,199
Cyprus	1,400	11,552	29,198
Australia	10,460	6,724	11,717
Total ..	177,706	55,905	65,940
FOREIGN COUNTRIES			
Austria	22,391	22,770	19,088
France	138,119	169,600	172,252
Germany	429,300	(e)	(e)
Greece	3,187	48,827	(e)
Italy	316,421	440,701	478,000
Jugoslavia	(e)	(e)	10,842
Norway	327,659	227,409	390,040
Portugal	241,860	201,100	(d) 170,000
Rumania	10,714	15,681	20,053
Russia	(e)	6,250	(e)
Spain	1,333,269	2,563,751	2,301,988
Sweden	105,601	45,036	56,400
Algeria	8,161	18,587	6,688
Cuba (b)	29,500	16,250	1,000
United States	310,777	157,118	169,043
Japan	136,264	93,517	159,002
Total ..	3,500,000	4,600,000	4,500,000
WORLD'S TOTAL	3,700,000	4,700,000	4,600,000

(a) Including cupreous iron-pyrites.

(b) Imports into the United States from Cuba.

(c) Sales. Production during 1922 was 17,007 long tons.

(d) Approximate production for export.

(e) Information not available.

EXPORTS OF PYRITES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom— Iron - pyrites, including cupreous pyrites	—	6,500	15,464
Canada (g)— Pyrites (b)	106,345	7,031	—
Cyprus— Pyrites	—	—	19,124
FOREIGN COUNTRIES			
Austria (c)— Iron-pyrites	456	364	338
Czechoslovakia (d)— Pyrites	8,738	1,570	} 82,212
Pyrites waste	2,164	59,107	
Denmark— Pyrites waste	49,987	10,643	41,196
France— Iron-pyrites	6,571	2,263	31,973
Germany— Pyrites and other sulphur minerals	2,621	(e) 4,031	7,976
Italy— Iron-pyrites	56,555	97,697	120,344
Cupreous pyrites	4,780	3,095	2,128
Netherlands— Iron-pyrites	537	3,056	—
Cupreous pyrites	—	131	—
Norway— Iron-pyrites	79,395	50,180	84,038
Cupreous pyrites	189,709	140,285	352,578
Rumania (d)— Pyrites	1,220	(a)	(a)

EXPORTS OF PYRITES (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Spain (<i>d</i>)—			
Iron-pyrites.	1,309,762	1,176,223	1,330,030
Cupreous pyrites, containing not more than 2½ % Cu ..	245,794	248,802	602,964
Copper ore, containing more than 2½ % Cu (<i>f</i>) ..	32,364	12,534	5,957
Sweden—			
Pyrites	6,547	—	—

(*a*) Information not available.

(*b*) Sulphur content of pyrites.

(*c*) Total exports, excluding transit trade.

(*d*) Total exports.

(*e*) Eight months only, May—December.

(*f*) Presumably consisting of cupreous pyrites in part at least.

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

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Iron-pyrites, including cup- reous pyrites	630,564	288,515	400,446
Union of South Africa—			
Iron-pyrites, including rock- sulphur	19,971	11,865	5,705
Australia (a)—			
Pyrites	5	(b)	(b)
FOREIGN COUNTRIES			
Austria (c)—			
Iron-pyrites	7,331	17,571	37,340
Czechoslovakia (d)—			
Pyrites	60,820	99,729	} 160,529
Pyrites waste	31,057	73,376	
Denmark—			
Pyrites	46,054	17,985	57,945
Pyrites waste	10	2	—
France—			
Iron-pyrites	237,303	336,813	274,587
Germany—			
Pyrites and other sulphur minerals	470,820	(e) 239,812	857,026
Italy—			
Iron-pyrites	813	9,203	8,657
Netherlands—			
Iron-pyrites	36,591	50,159	51,391
Sweden—			
Pyrites	112,758	57,069	76,834
United States—			
Pyrites, containing more than 25 % of sulphur	332,606	216,229	269,947
Dutch East Indies (d)—			
Pyrites	1,770	4,127	2,953

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

(b) Information not available.

(c) Total imports, excluding transit trade.

(d) Total imports.

(e) Eight months only, May–December.

QUICKSILVER

PRODUCTION OF QUICKSILVER

(Lb. avdp.)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
New Zealand	3,675	1,568	1,568
FOREIGN COUNTRIES			
Czechoslovakia	(a) 176,400	(b)	(b)
Italy	3,087,804	2,360,484	3,396,364
Russia	(d) 810	(d) 3,600	(e) 86,400
Spain	1,899,163	1,400,510	2,905,225
Algeria (c)	441	—	—
Mexico	166,949	101,920	92,187
United States	1,004,400	475,425	478,125
Bolivia (c)	—	159	(b)
China (c)	100,264	215,995	37,599
Japan	5,906	13,089	2,652
WORLD'S TOTAL	6,446,000	4,750,000	7,200,000

(a) Approximate production.

(b) Information not available.

(c) Exports.

(d) Quicksilver content of ore produced.

(e) Metallic quicksilver produced during year ended 30th September, 1922.

EXPORTS OF QUICKSILVER, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	19	3	45
Hong Kong (c)—			
Quicksilver	2,164	1,342	922
Straits Settlements (b)—			
Quicksilver	(£319)	(£95)	(£68)
Australia (a)—			
Quicksilver	—	1	1
New Zealand—			
Quicksilver	33	1	36
FOREIGN COUNTRIES			
Czechoslovakia (c)—			
Quicksilver	330	1,043	(e)
France—			
Quicksilver	1,071	4,439	895
Sulphide of mercury	130	27	22
Mercury chlorides, nitrates, oxides and sulphates	126	47	49
Other mercury salts	79	16	6
Germany—			
Quicksilver and amalgam	79	(d) 157	260
Italy—			
Quicksilver	20,251	18,457	27,664
Chloride of mercury	1,190	334	226
Netherlands—			
Quicksilver and amalgam	13	15	20
Spain (c)—			
Quicksilver	18,384	11,968	5,251
United States—			
Quicksilver	1,040	263	195
China—			
Quicksilver	895	1,928	336

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

(b) Total exports, excluding transit trade.

(c) Total exports.

(d) Eight months only, May–December.

(e) Information not available.

IMPORTS OF QUICKSILVER, ETC.

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Quicksilver	10,980	3,278	1,855
Southern Rhodesia—			
Quicksilver	26	236	192
Union of South Africa—			
Quicksilver	1,680	1,634	1,765
Canada (c)—			
Quicksilver	1,607	309	820
Hong Kong (d)—			
Quicksilver	7,428	9,449	2,907
India (b) (c)—			
Quicksilver	738	1,508	2,589
Straits Settlements (h)—			
Quicksilver	(£1,144)	(£720)	(£507)
Australia (e)—			
Quicksilver	464	465	189
Mercury salts	7	6	21
New Zealand—			
Quicksilver	6	6	33
FOREIGN COUNTRIES			
Czechoslovakia (d)—			
Quicksilver	10	138	(f)
Denmark—			
Quicksilver	(a 53)	1	1
Finland (d)—			
Cinnabar	158	105	(f)
Quicksilver and amalgam ..	34	31	(f)
France—			
Quicksilver	4,166	634	1,533
Sulphide of mercury ..	86	35	67
Mercury chlorides, nitrates, oxides and sulphates ..	1,025	94	441
Other mercury salts ..	65	—	16
Germany—			
Quicksilver and amalgam ..	7,950	(g) 7,202	10,534
Greece—			
Quicksilver	44	13	24
Italy—			
Sulphide of mercury ..	83	29	33
Netherlands—			
Quicksilver and amalgam ..	193	302	138

IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Quicksilver	219	(f)	(f)
Rumania (d)—			
Quicksilver	20	(f)	(f)
Sulphide of mercury	44	(f)	(f)
Mercurous chloride	25	(f)	(f)
Mercuric chloride	28	(f)	(f)
Switzerland—			
Quicksilver	55	61	189
Egypt—			
Quicksilver	16	10	23
Argentina—			
Quicksilver	82	148	120
Mercury salts	180	140	97
Brazil (d)—			
Quicksilver	82	40	76
Peru—			
Quicksilver	125	16	47
Mercury salts	13	12	7
China—			
Quicksilver	564	885	386
Japan (d)—			
Quicksilver	7,464	3,591	3,760

(a) Excess of re-exports.

(b) Overseas trade only.

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

(d) Total imports.

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

(f) Information not available.

(g) Eight months only, May–December.

(h) Total imports, excluding transit trade.

SALT

PRODUCTION OF SALT

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Rock-salt and brine-salt ..	2,158,370	1,382,629	1,889,176
Mauritius (a)—			
Sea-salt	1,800	1,800	1,500
Somaliland (b)—			
Sea-salt	496	892	1,547
Sudan—			
Salt	(f)	(f)	(a) 9,000
Union of South Africa—			
Salt (a)	60,000	60,000	(f)
Canada (c)—			
Salt	187,371	(d) 147,016	(d) 162,316
West Indies—			
Sea-salt—			
Bahamas (e)	1,800	3,150	2,100
Ragged Islands (e) ..	501	(f)	(f)
Turks and Caicos Islands (e)	47,630	(f)	46,198
Ceylon—			
Salt	16,510	14,707	38,997
Cyprus (e)—			
Salt	615	885	2,974
India—			
Rock-salt	209,839	148,038	207,312
Salt	1,630,123	1,533,679	1,653,898
Weihaiwei (a)—			
Salt	2,000	1,500	2,000
Australia—			
Salt	70,871	56,492	48,657
Total ..	4,390,000	3,400,000	4,100,000
FOREIGN COUNTRIES			
Austria—			
Rock-salt	2,416	1,786	2,290
Brine-salt	78,145	74,027	93,173
Bulgaria—			
Salt	(f)	(f)	20,000
France—			
Rock-salt and sea-salt ..	1,252,322	750,980	1,031,761

PRODUCTION OF SALT (Cont.)

Producing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Germany (<i>m</i>)—			
Rock-salt	2,161,937	1,846,381	2,283,250
Brine-salt	335,795	311,964	354,770
Greece—			
Sea-salt	56,364	64,000	74,000
Italy—			
Rock-salt	46,234	44,710	49,002
Brine-salt	21,672	44,602	85,181
Sea-salt	642,607	416,025	643,425
Jugoslavia—			
Salt	(<i>a</i>) 23,000	(<i>a</i>) 23,000	43,167
Netherlands—			
Salt	24,457	25,056	27,879
Poland—			
Rock-salt and brine-salt ..	258,404	296,765	482,766
Portugal (<i>e</i>)—			
Salt	116,498	(<i>f</i>)	(<i>f</i>)
Rumania—			
Salt	243,007	229,076	280,628
Russia—			
Salt	570,300	990,500	(<i>g</i>) 720,000
Spain—			
Rock-salt	61,640	37,385	112,561
Sea-salt	913,969	467,508	557,376
Switzerland (<i>h</i>)—			
Salt	126,035	105,910	(<i>f</i>)
Algeria—			
Rock-salt and sea-salt ..	27,716	(<i>f</i>)	(<i>f</i>)
Angola (<i>e</i>)—			
Salt	2,703	2,141	(<i>f</i>)
Egypt (<i>e</i>)—			
Salt	222,244	151,224	183,823
Tripoli.. .. .	(<i>f</i>)	(<i>f</i>)	(<i>e</i>) 11,606
Tunis—			
Sea-salt	106,349	(<i>c</i>) 21,739	(<i>f</i>)
Dutch West Indies (<i>e</i>)—			
Sea-salt	25,043	(<i>f</i>)	(<i>f</i>)
Panama—			
Sea-salt	813	666	813
United States—			
Rock-salt	1,437,669	1,314,800	1,738,504
Brine-salt	2,517,782	1,408,335	2,293,787
Evaporated salt	2,151,718	1,724,324	2,032,753
Chile—			
Salt	33,405	38,832	(<i>f</i>)
Colombia —			
Rock - salt, sea - salt and brine-salt	(<i>i</i>) 40,750	(<i>f</i>)	(<i>f</i>)

PRODUCTION OF SALT (*Cont.*)

Producing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Peru—			
Salt	26,735	25,927	(<i>f</i>)
China, including Kwantung Peninsula (<i>j</i>)—			
Salt	2,071,000	2,042,000	(<i>f</i>)
Dutch East Indies (<i>c</i>)—			
Salt	130,897	(<i>f</i>)	(<i>f</i>)
Formosa—			
Salt	45,228	96,835	(<i>f</i>)
Japan (<i>l</i>)—			
Salt	534,242	505,904	(<i>f</i>)
Korea—			
Salt	53,940	(<i>f</i>)	(<i>f</i>)
Siam (<i>k</i>)—			
Salt	49,936	29,353	26,123
Philippine Islands—			
Salt	61,380	(<i>f</i>)	(<i>f</i>)
Total	16,700,000	14,000,000	16,000,000
WORLD'S TOTAL	21,100,000	17,000,000	20,000,000

(*a*) Approximate production.

(*b*) Exports through Land-Customs to Abyssinia.

(*c*) Sales.

(*d*) Production during 1921 and 1922 was 154,131 long tons and 163,784 long tons, respectively.

(*e*) Exports.

(*f*) Information not available.

(*g*) Year ended 30th September, 1922.

(*h*) Including in each year 60,000 long tons, which is utilized in chemical works at Zurzach.

(*i*) Incomplete figure.

(*j*) Estimated on approximate gross revenue under Salt Gabelle.

(*k*) Exports for years ended 31st March of the year following that stated.

(*l*) Excluding production from salt beds, which, although on government beach lands, have no fixed areas.

(*m*) Years ended 31st March of the year following that stated.

EXPORTS OF SALT
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Table-salt	2,875	1,518	2,877
Other salt	378,561	239,573	282,740
Kenya—			
Salt	1,316 (c)	90 (j)	294
Northern Rhodesia—			
Common salt and table-salt	30	5	28
Southern Rhodesia—			
Rock-salt	2	(b)	(b)
Common salt and table-salt	91	74	94
Somaliland (i)—			
Sea-salt	496	892	1,547
Union of South Africa—			
Rock-salt	1	(b)	(b)
Common salt and table-salt	1,228	595	283
Canada (c)—			
Salt	224	318	840
West Indies—			
Sea-salt from—			
Bahamas	1,800	3,150	2,100
Ragged Islands	501	(a)	(a)
Turks and Caicos Islands	47,630	(£28,171)	46,198
British Guiana—			
Rock-salt, table-salt, etc. ..	—	7	2
Aden (c)—			
Salt	171,803	150,851	180,395
Cyprus—			
Salt	615	885	2,974
Hong Kong (e)—			
Salt	7,230	5,368	887
India (c)—			
By land (e)—			
Salt	29,160	29,110	28,576
By sea—			
Salt	13	593	5,238
Straits Settlements (d)—			
Salt	29,551	37,937	31,856
Australia (f)—			
Rock-salt	—	3	26
Table-salt in packages (£ Australian)	(£1,078)	(£1,202)	(£1,587)
Other salt	10,857	12,524	6,110

EXPORTS OF SALT (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Austria (<i>d</i>)—			
Cooking salt	703	4,953	11,511
Belgium—			
Crude salt	212	991	—
Refined salt	368	993	(<i>l</i>) 635
Czechoslovakia (<i>e</i>)—			
Cooking salt	541	8	(<i>b</i>)
Denmark—			
Refined salt, etc.	50	56	20
France—			
Refined salt	25,071	31,350	24,012
Other salt	81,841	35,612	137,755
Germany—			
Rock-salt, sea-salt, etc.	1,236,377	(<i>g</i>) 489,107	944,946
Italy—			
Rock-salt and sea-salt	124,635	79,734	99,762
Netherlands—			
Rock-salt	456	46	35
Refined salt and waste	4,831	5,358	6,064
Other salt	26	(<i>b</i>)	152
Poland (<i>e</i>)—			
Cooking salt	630	1,156	(<i>a</i>)
Marsh salt	—	51	(<i>a</i>)
Portugal (<i>h</i>)—			
Common salt	116,498	(<i>a</i>)	(<i>a</i>)
Rumania —			
Rock-salt and sea-salt	22,207	(<i>a</i>)	(<i>a</i>)
Russia—			
Salt	—	6,829	(<i>a</i>)
Spain (<i>e</i>)—			
Common salt	373,588	363,767	475,851
Sweden—			
Rock-salt	84	—	100
Sea-salt	248	535	1,819
Table-salt	92	5	22
Switzerland—			
Salt	51	8	2
Algeria—			
Rock-salt and sea-salt	1,499	2,400	8,000
Angola—			
Salt	2,703	2,141	(<i>a</i>)
Egypt—			
Common salt	222,244	151,224	183,823
Tunis (<i>e</i>)—			
Rock-salt and sea-salt	22,004	21,739	35,484

EXPORTS OF SALT (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Dutch West Indies—			
Sea-salt	25,043	(a)	(a)
United States—			
Salt	124,350	97,824	120,526
Argentina—			
Crude salt .. (<i>Bushels</i>)	(115,935)	(125,815)	(73,343)
Refined salt	1	3	1
Brazil—			
Salt	11	1	30
Chile—			
Crude salt	56	59	75
Peru—			
Rock-salt	211	1	9
China—			
Salt	336,231	288,495	283,901
Japan—			
Salt	2,685	3,147	4,572
Philippine Islands—			
Salt	3,565	174	225
Siam (<i>c</i>) (<i>e</i>) (<i>k</i>)—			
Salt	49,936	29,353	26,123

(a) Information not available.

(b) Less than $\frac{1}{2}$ ton.

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

(d) Total exports, excluding transit trade.

(e) Total exports.

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

(g) Eight months only, May–December.

(h) Including ships' stores.

(i) Exports through Land-Customs to Abyssinia.

(j) Nine months only, April–December.

(k) Figures refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

(l) Figure refers to Belgium–Luxemburg Economic Union.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Table-salt	207	3,744	5,039
Other salt	26,691	81,269	46,285
Anglo-Egyptian Sudan—			
Salt	83	275	224
Gambia—			
Salt	3,708	898	1,422
Gold Coast—			
Crude salt	3,954	5,485	(a)
Kenya—			
Salt	(c) 3,585	(d) 2,914	4,060
Mauritius—			
Salt	3,546	124	854
Nigeria—			
Salt	53,125	38,497	56,828
Nyasaland—			
Salt	2,209	589	1,523
Northern Rhodesia—			
Rock-salt	2	2	1
Common salt and table-salt	661	522	501
Southern Rhodesia—			
Rock-salt	8	58	(b)
Common salt and table-salt	2,751	2,494	2,491
Seychelles—			
Salt	241	95	262
Sierra Leone—			
Salt	7,370	3,686	5,410
South-West Africa Territory—			
Rock-salt	(b)	11	30
Common salt and table-salt	676	298	428
Tanganyika Territory—			
Salt	1,230	1,081	933
Union of South Africa—			
Rock-salt	130	311	170
Dairy salt	156	201	276
Common salt and table-salt	574	2,360	2,443
Zanzibar—			
Salt	(51 i)	(23 i)	457
Canada (c)—			
Salt for use of the sea or gulf fisheries	57,572	46,301	71,473

IMPORTS OF SALT (*Cont.*)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)			
Canada (<i>Cont.</i>)—			
Other salt—			
In bulk	48,419	42,052	58,571
In bags, barrels and other coverings	28,795	32,254	46,701
Newfoundland (<i>e</i>) (<i>f</i>)—			
Salt in bulk	66,541	37,798	49,885
Dairy salt and table-salt ..	(£1,963)	(£1,695)	(£2,804)
West Indies—			
Barbados—			
Crude salt	2,635	1,598	1,960
Table-salt	—	(£28)	(£13)
Bermuda—			
Salt	(£930)	(£988)	(a)
Jamaica—			
Rock-salt	(£170)	(£46)	(£115)
Other salt	4,942	6,092	5,311
St. Lucia—			
Crude salt	325	431	424
Refined salt	2	11	16
St. Vincent—			
Rock-salt	270	496	431
Refined salt	—	10	7
Trinidad and Tobago (<i>f</i>)—			
Rock-salt	353	873	504
Table-salt, etc.	2,427	2,217	2,974
British Guiana—			
Rock-salt	101	762	544
Table-salt, etc.	1,362	1,316	969
British Borneo (Brunei)—			
Salt	(£671)	100	120
Ceylon—			
Table-salt	33	32	55
Other salt	5	22	2,903
Cyprus—			
Table-salt	7	1	2
Hong Kong (<i>f</i>)—			
Salt	93,346	56,259	33,766
India (<i>e</i>)—			
By land (<i>f</i>)—			
Salt	2,290	2,468	2,314
By sea—			
Salt	620,960	472,409	542,133
Straits Settlements (<i>g</i>)—			
Salt	43,944	48,648	50,232

IMPORTS OF SALT (Cont.)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE (Cont.)			
Australia (e)—			
Rock-salt	3,274	2,541	3,513
Table-salt in packages (£ Australian)	(£23,906)	(£10,865)	(£16,352)
Other salt	586	520	1,404
Fiji Islands—			
Salt in bulk	673	426	512
Salt in bottles	(£215)	(£123)	(£174)
New Zealand—			
Rock-salt	291	720	636
Salt in retail packages (£ New Zealand)	(£14,782)	(£2,344)	(£4,235)
Other salt	29,650	17,865	25,318
FOREIGN COUNTRIES			
Austria (g)—			
Cooking-salt	3,331	2,846	5,346
Salt for industrial use	14,309	5,773	(a)
Belgium—			
Crude salt	162,790	83,063	(h) 179,572
Refined salt	63,566	34,404	(h) 46,327
Bulgaria (f)—			
Rock-salt	16,200	(a)	(a)
Sea-salt	39,251	(a)	(a)
Czechoslovakia (f)—			
Cooking salt	154,536	67,976	71,586
Salt for industrial use	121,348	78,918	147,226
Denmark—			
Rock-salt	1,253	1,141	1,070
Refined salt, etc.	60,010	45,295	60,558
Finland (f)—			
Cooking salt	66,495	45,306	75,428
France—			
Refined salt	5,323	3,096	3,121
Other salt	37,195	40,538	45,777
Greece—			
Salt	4,784	201	5
Italy—			
Rock-salt and sea-salt	—	11,585	9,088
Netherlands—			
Rock-salt	79,893	54,718	51,664
Refined salt and waste	13,741	20,434	22,746
Other salt	5,608	11,606	13,642
Norway—			
Rock-salt	23,116	7,749	20,436
Common salt	115,497	109,456	154,409
Poland (f)—			
Cooking salt	63,908	911	(a)

IMPORTS OF SALT (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Portugal (f)—			
Salt	61	(a)	(a)
Rumania (f)—			
Rock-salt	(b)	(a)	(a)
Sea-salt	2,003	(a)	(a)
Spain (f)—			
Common salt	196	55	50
Sweden—			
Rock-salt	38,926	20,760	33,375
Sea-salt	31,788	34,412	46,142
Table-salt	27,070	26,413	32,557
Switzerland—			
Rock-salt	5,182	2,228	2,674
Other salt	11,562	14,238	5,438
Algeria—			
Rock-salt and sea-salt ..	8,155	7,629	7,274
Egypt—			
Common salt	18	26	41
Cuba—			
Crude salt and ground salt	33,084	22,111	22,546
United States—			
Salt	122,533	82,539	101,619
Argentina—			
Rock-salt	3,120	4,234	1,461
Sea-salt (Bushels)	(2,014,601)	(1,579,028)	(1,843,716)
Table-salt	938	394	286
Bolivia—			
Refined salt	45	37	(a)
Common salt	365	228	(a)
Brazil (f)—			
Rock-salt and white salt, ex- cept table-salt	70,878	38,237	38,415
Chile—			
Crude salt	—	3	31
Refined salt	—	68	13
Peru—			
Crude salt and ground salt	584	361	208
Common salt	7	(a)	(a)
Japan—			
Salt	411,215	189,828	(f) 283,869
Philippine Islands—			
Salt	154	77	128

(a) Information not available.

(b) Less than $\frac{1}{2}$ ton.

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

(d) Nine months only, April-December.

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

(f) Total imports.

(g) Total imports, excluding transit trade.

(h) Figures refer to Belgium-Luxemburg Economic Union.

(i) Excess of re-exports.

SILVER

PRODUCTION OF SILVER ORE

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

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	70,619	11,312	27,644
Bechuanaland Protectorate (<i>b</i>)	479	706	1,317
Gold Coast (<i>c</i>)	8,500	6,700	(<i>d</i>)
Northern Rhodesia	4,583	8,867	7,190
Southern Rhodesia	158,982	152,989	172,209
Union of South Africa	892,594	830,329	1,115,676
Canada	13,330,357	13,543,198	18,626,439
British Guiana (<i>c</i>)	1,675	1,695	1,300
India	2,906,397	3,587,587	4,244,304
Federated Malay States (<i>c</i>)	1,130	1,300	1,400
Sarawak	5,179	3,437	453
Australia	1,195,821	8,326,006	12,670,108
New Zealand (<i>g</i>)	368,683	479,599	442,606
Total	18,945,000	26,953,700	37,320,000
FOREIGN COUNTRIES			
Austria	13,985	11,092	18,326
Czechoslovakia	680,069	703,056	900,200
France	353,200	(<i>h</i>) 322,000	(<i>i</i>) 41,795
Germany	3,305,020	3,375,750	5,372,587
Greece (<i>e</i>)	115,790	237,778	(<i>d</i>)
Italy	297,452	221,128	204,722
Jugoslavia	15,000	15,946	26,813
Norway	323,172	196,115	205,760
Poland	(<i>c</i>) 84,700	53,401	95,003
Rumania	68,640	92,335	62,821
Russia (<i>h</i>)	50,000	40,000	150,000
Spain	2,956,546	2,679,351	2,778,210
Sweden	11,571	13,345	26
Algeria	85,455	(<i>h</i>) 150,000	(<i>d</i>)
Belgian Congo	10,674	5,819	6,559
Egypt and Abyssinia	304	(<i>d</i>)	(<i>d</i>)
Madagascar	13,824	12,860	(<i>d</i>)
Portuguese East Africa	700	502	(<i>d</i>)
Mexico	66,516,357	64,465,347	81,076,899
United States, including Philippine Islands	56,559,022	46,197,490	(<i>a</i>) 55,510,859
Central America (<i>h</i>)	2,700,000	2,000,000	2,000,000
Argentina (<i>h</i>)	30,000	25,000	(<i>d</i>)

PRODUCTION OF SILVER ORE (*Cont.*)

Producing Country	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Bolivia (<i>f</i>)	6,180,494	6,025,999	6,420,677
Brazil	30,000	33,000	(<i>d</i>)
Chile	2,604,396	2,558,947	2,709,152
Colombia	480,000	500,000	(<i>d</i>)
Ecuador (<i>h</i>)	35,000	40,000	70,000
Guiana and Uruguay (<i>h</i>) ..	7,000	9,000	(<i>d</i>)
Peru	8,918,185	10,008,552	13,169,765
Venezuela	3,500	2,700	(<i>d</i>)
Asia Minor (<i>h</i>)	100,000	100,000	(<i>d</i>)
China (<i>h</i>)	50,000	40,000	40,000
Formosa	17,900	26,525	25,000
French Indo-China (<i>h</i>) ..	1,000	(<i>d</i>)	(<i>d</i>)
Japan	4,891,163	4,186,891	2,959,348
Korea	25,000	2,958	10,835
Dutch East Indies ..	1,020,847	1,021,971	1,109,657
Other Asia (<i>h</i>)	5,000	1,000	(<i>d</i>)
Total	158,600,000	145,400,000	176,000,000
WORLD'S TOTAL	177,500,000	172,400,000	213,000,000

- (*a*) Preliminary figures of refinery production.
(*b*) Years ended 31st March of the year following that stated.
(*c*) Estimated.
(*d*) Information not available.
(*e*) Revised figures.
(*f*) Silver content of exports.
(*g*) Silver content of exports, excluding jewellers' sweepings.
(*h*) Approximate production.
(*i*) From Vaucluse Department only.

EXPORTS OF SILVER

(Domestic Produce)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE.				
United Kingdom (b)—				
Refined silver bullion	Ounce	36,387,381	62,562,944	73,698,570
Silver coin—				
Of legal tender in the United Kingdom	do.	2,409,449	*2,178,448	649,293
Not of legal tender in the United Kingdom.. ..	do.	5,287,965	7,571,039	16,528,243
Southern Rhodesia—				
Silver ore	Ounce	22,320	74,318	92,961
Union of South Africa—				
Silver content of ore..	Ounce	3,013	—	381,165
Silver coin (b).. ..	£	67,284	115,841	72,120
Canada (c)—				
Silver content of ore, concentrates, etc. ..	Ounce	2,441,270	3,211,653	6,012,624
Silver bullion.. ..	do.	10,889,780	10,389,767	11,098,792
Hong Kong (b)—				
Silver bullion.. ..	£	7,831,855	6,216,753	6,554,024
Silver coin	do.	5,038,986	4,302,261	3,512,301
India (b) (c)—				
By land—				
Silver	Rupee	13,021,734	5,399,693	5,009,493
By sea—				
Silver bullion ..	Ounce	1,644,530	6,588,662	3,874,323
Silver coin	do.	19,337,237	3,115,238	6,568,683
Straits Settlements (h)—				
Silver bullion.. ..	Dollar	214,504	505,880	285,459
Silver coin	do.	576,756	891,095	429,310
Silver thread	do.	22,905	723	294
Australia (e)—				
Silver and silver-lead ores	Long ton	401	2,092	878
Silver content ..	Ounce	15,134	45,645	52,695
Silver and silver-lead concentrates, dross and ashes	Long ton	1,736	1,735	7,868
Silver content ..	Ounce	2,782	24,717	271,803
Silver content of matte	Ounce	59,354	110,415	46,621
Silver content of zinc concentrates ..	do.	328,934	459,909	1,330,211
Silver bullion and sheets	do.	3,919,847	428,106	5,250,488
Silver coin	£	52,303	59,392	5,415

EXPORTS OF SILVER (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (Cont.)				
New Zealand—				
Ore and auriferous quartz	Long ton	2	8	—
<i>Silver content</i>	Ounce	886	3,276	—
Concentrates, etc. ..	Long ton	390	366	306
<i>Silver content</i>	Ounce	3,482	2,868	40,868
Jewellers' sweepings, etc.	Long ton	6	3	3
<i>Silver content</i>	Ounce	717	424	524
Silver bullion and sheets	Ounce	364,315	473,455	401,742
FOREIGN COUNTRIES				
Belgium—				
Silver bullion	Ounce	556,452	994,174	(i) 2,277,088
Silver coin (b)	do.	337,897	8,520	(i) 402,711
Czechoslovakia (b)—				
Crude silver	Ounce	—	990,863	(a)
Silver scrap	do.	—	1,640	(a)
Silver bullion and coin	do.	—	5,150,430	(a)
France—				
Silver ore	Ounce	—	—	73,945
Silver bullion	do.	14,065,657	6,876,756	786,293
Silver, beaten, drawn, rolled or wire ..	do.	329,955	1,303,490	889,301
Silver coin (b)	do.	5,284,142	1,626,694	1,087,409
Germany—				
Fine silver, hammered and rolled; alloyed silver, crude or cast; bars of native silver	Ounce	4,351,760	(g) 2,606,593	4,010,166
Silver coin (b)	do.	2,701	(g) 675	4,437
Italy—				
Silver dust, scrap and bullion	Ounce	631,426	1,900,901	1,189,646
Silver leaf	do.	8,423	4,180	193
Netherlands—				
Silver dust, scrap and bullion	Ounce	3,372,149	3,246,121	1,910,900
Silver coin	do.	5,610,914	5,265,109	4,078,485
Silver leaf and wire ..	do.	3,504	1,608	(£348)
Norway—				
Silver scrap	Ounce	866,668	537,644	969,773
Spain (b)—				
Silver bullion	Ounce	2,342,996	2,496,801	803,596
Silver coin	do.	61,921	50,636	4,823

EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Sweden—				
Silver scrap	Ounce	14,918	965	1,157
Silver bullion.. ..	do.	79,957	122,652	255,882
Silver coin	Krona	600	2,015	258,358
Silver rods, unshaped	Ounce	997	1,543	41,570
Silver wire, unshaped, also sheets	do.	3,151	7,330	7,652
Silver wire and rods, shaped	Krona	155	—	—
Silver and gold leaf, etc.	Ounce	3,151	32	32
Switzerland—				
Silver bullion.. ..	Ounce	134,162	160,011	309,765
Silver coin (<i>b</i>).. ..	do.	6,496,647	548,929	1,025,617
Gold, silver or platinum, rolled in sheets or strips	do.	16,911	5,980	2,861
Gold, silver or platinum wire and thread; also metal wire covered with gold or silver..	do.	27,906	21,412	8,745
Gold or silver tissue and gold or silver leaf	do.	3,022	193	96
Belgian Congo (<i>b</i>)—				
Silver coin	Ounce	326,901	—	877,599
Egypt—				
Silver bullion.. ..	Ounce	83,879	2,829	17,683
Silver coin (<i>b</i>)	(£ <i>Egyptian</i>)	11,299	3,552	10,373
Tunis (<i>b</i>)—				
Silver scrap and bullion	Ounce	9,967	—	—
Silver coin	do.	487	—	21
United States—				
Silver ore and base bullion	Dollar	16,522	13,851	17,237
Refined silver bullion(<i>f</i>)	Ounce	62,519,339	36,405,161	36,577,684
United States silver coin	Dollar	14,771,492	864,005	379,792
Argentina—				
Silver ores	Cwt.	—	—	22
Silver bullion.. ..	Ounce	40,734	—	—
Bolivia—				
Silver ores	Cwt.	440,645	321,902	(<i>a</i>)
<i>Silver content</i>	<i>Ounce</i>	<i>4,332,116</i>	<i>3,651,137</i>	(<i>a</i>)
Silver sulphides	Cwt.	2,189	2,672	(<i>a</i>)
<i>Silver content</i>	<i>Ounce</i>	<i>1,478,225</i>	<i>1,733,711</i>	(<i>a</i>)

EXPORTS OF SILVER (Cont.)

Exporting Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (Cont.)				
Bolivia (Cont.)—				
Silver concentrates ..	Cwt.	56	—	(a)
<i>Silver content</i> ..	Ounce	9,870	—	(a)
Silver precipitate ..	Cwt.	2,457	4,428	(a)
<i>Silver content</i> ..	Ounce	350,162	640,492	(a)
Silver bars	Ounce	8,809	659	(a)
Silver bullion	do.	5,658	—	(a)
Silver coin (b)	do.	220,163	114,994	(a)
Brazil—				
Silver coin (b)	Milreis	—	1,242	—
Chile—				
Silver ores	Cwt.	7,226	3,508	15,842
Gold and silver ores ..	do.	374	(a)	3,151
Gold, silver and copper ores	do. .	5,829	23,061	76,039
Silver and lead ores ..	do.	2,137	2,641	510
Silver and copper ores	do.	6,441	9,800	119,144
Silver bullion	Ounce	709,507	802,842	521,520
Silver coin	Peso of 18d.	(a)	153,500	(a)
Other unmanufactured silver	Ounce	1,641,901	2,876,010	3,502,357
China (b)—				
Silver bullion	} Haikwan {	10,015,836	23,607,383	6,639,865
Silver coin .. ..					} tael {	23,699,574	33,506,511	29,474,631
Dutch East Indies—				
Java and Madura (b)—				
Silver bullion ..	Gulden	20	722,352	979,495
Silver coin	do.	60,108	104,973	432,538
Other Islands (b)—				
Silver bullion ..	do.	1,011,900	27,000	870,100
Silver coin	do.	2,600	11,530	393
Japan (b)—				
Silver bullion	Ounce	2,083,281	—	1,321,441
Silver coin	Yen	—	—	180,000
Siam (b) (c) (d)—				
Silver coin	Tical	669,856	150,990	599,343

(a) Information not available.

(b) Total exports.

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

(d) The figures refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

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

(f) Including United States Mint or Assay Office bars.

(g) Eight months only, May–December.

(h) Total exports, excluding transit trade.

(i) Figures refer to Belgium–Luxemburg Economic Union.

IMPORTS OF SILVER
(Less Re-exports)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE				
United Kingdom (b)—				
Unrefined silver bullion..	Ounce	7,531,809	5,775,315	5,516,390
Refined silver bullion ..	do.	28,480,290	40,245,164	34,751,631
Silver coin—				
Of legal tender in the United Kingdom ..	do.	485,061	5,544,611	6,091,816
Not of legal tender in the United Kingdom	do.	2,868,504	6,157,697	15,403,480
Malta—				
Bullion and coin.. ..	Ounce	(a)	(154,410e)	(198,700e)
Anglo-Egyptian Sudan—	£			
Silver and nickel coin ..	(Egyptian)	216,009	(41,168e)	(81,572e)
Gambia—				
Silver bullion	£	—	1,187	—
Silver coin	do.	14,013	(123,489e)	(215,973e)
Gold Coast—				
Silver coin	£	375,100	(410,022e)	(693,718e)
Kenya—				
Silver coin	£	(a)	(a)	585,720
Mauritius—				
Silver coin	Rupee	5,851,850	102,000	(1,258,135e)
Nigeria—				
Silver bullion	Ounce	—	1,100	(124e)
Silver coin	£	657,132	(1,397,869e)	(1,386,318e)
Southern Rhodesia (b)—				
Silver coin	£	57,712	60,080	21,162
Seychelles—				
Bullion and specie ..	Rupee	—	—	40,000
Union of South Africa (b)—				
Silver bullion	£	137	325	2,025
Silver coin	do.	548,282	394,221	106,387
Zanzibar				
Silver bullion	Ounce	(£400e)	(187e)	134
Silver coin	do.	(£89,530)	1,350,064	366,205
Canada (c)—				
Silver bullion	Dollar	1,495,955	667,120	653,581
British Guiana—				
Silver bullion	Ounce	1,218	1,932	1,559
Silver coin	Dollar	—	(64,800e)	(348,000e)
West Indies—				
Barbados—				
Silver coin	£	51,311	(30,000e)	(36,408e)
Jamaica—				
Bullion and coin (b) ..	£	2,250	13,400	1,200
St. Lucia—				
Silver coin	£	5,019	(17,000e)	(3,600e)

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
BRITISH EMPIRE (<i>Cont.</i>)				
West Indies (<i>Cont.</i>)—				
St. Vincent—				
Silver coin	£	(1,200 <i>e</i>)	—	(11,000 <i>e</i>)
Trinidad and Tobago—				
Silver coin	£	(24,419 <i>e</i>)	33,402	(56,369 <i>e</i>)
Ceylon—				
Silver bullion	Rupee	—	62,121	59,701
Silver coin	do.	5,652,915	718,549	177,210
Cyprus—				
Silver bullion	Ounce	562	1,330	1,007
Hong Kong (<i>b</i>)—				
Silver bullion	£	9,417,782	6,398,157	6,880,827
Silver coin	do.	3,240,756	1,795,777	1,144,925
India (<i>b</i>) (<i>c</i>)—				
By land—				
Silver	Rupee	20,894,359	20,443,185	21,527,917
By sea—				
Silver bullion	Ounce	34,857,039	50,172,466	79,917,592
Other uncoined silver	do.	975,491	121,747	10,573
Silver coin	do.	7,388,683	23,544,003	16,571,984
Straits Settlements (<i>j</i>)—				
Silver bullion	Dollar	120,501	574,935	194,676
Silver coin	do.	6,669,237	7,534,753	370,210
Silver thread	do.	23,766	6,000	7,532
Australia (<i>g</i>)—				
Silver and silver-lead concentrates, dross and ashes	Long ton	16	—	—
Silver content of matte..	Ounce	5,434	5,473	12,977
Silver bullion and sheets	do.	(66,975 <i>e</i>)	(33,584 <i>e</i>)	11,377
Silver coin	£	(45,202 <i>e</i>)	3,587	33,337
Fiji Islands—				
Silver coin	£	13,600	25,418	(17,500 <i>e</i>)
New Zealand—				
Silver bullion and sheets	Ounce	3,234	4,135	5,885
Silver coin	£	4,790	186,331	174,035
FOREIGN COUNTRIES				
Belgium—				
Silver bullion	Ounce	106,095	237,106	(<i>f</i>) 747,391
Silver coin (<i>b</i>)	do.	398,178	27,328	(<i>f</i>) 1,800,914
Czechoslovakia (<i>b</i>)—				
Crude silver	Ounce	1,350	547	(<i>a</i>)
Silver scrap	do.	—	2,186	(<i>a</i>)

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
France—				
Silver ore	Ounce	—	—	3,215
Silver bullion	do.	4,447,792	4,154,262	4,384,585
Silver, beaten, drawn, rolled or wire	do.	52,533	90,116	46,778
Silver coin (<i>b</i>)	do.	1,740,408	377,634	1,119,752
Germany—				
Silver ore	Cwt.	472	(<i>h</i>) (<i>i</i>)	276
Fine silver, hammered and rolled; alloyed silver, crude or cast; bars of native silver	Ounce	245,015	(<i>h</i>) 62,050	396,988
Silver coin (<i>b</i>)	do.	133,101	(<i>h</i>) 609,275	40,155
Italy—				
Silver bullion, dust and scrap	Ounce	100,919	196,051	216,241
Silver coin of Latin Union	do.	—	—	14,950
Silver leaf	do.	6,462	6,526	12,924
Netherlands—				
Gold and silver ore ..	Ounce	3,762	—	—
Silver dust, scrap and bullion	do.	3,027,919	15,842,459	2,208,962
Silver coin	do.	781,856	58,063	418,432
Silver leaf and wire ..	do.	29,964	1,125	(£87)
Norway—				
Silver in sheets, smooth, rolled	Ounce	247,442	234,309	296,198
Silver wire, smooth (<i>b</i>) ..	do.	1,929	5,594	4,051
Silver leaf (<i>b</i>) (<i>k</i>)	do.	44,624	21,090	27,745
Gold, silver and platinum unworked, also coin and medals (<i>b</i>)	Krone	3,425,800	2,277,000	2,019,200
Portugal—				
Silver dust and scrap ..	Ounce	1,768	(<i>a</i>)	(<i>a</i>)
Silver bullion	do.	10,256	(<i>a</i>)	(<i>a</i>)
Silver coin	do.	514	(<i>a</i>)	(<i>a</i>)
Silver leaf	do.	354	(<i>a</i>)	(<i>a</i>)
Silver, beaten and rolled, and silver wire	do.	129	(<i>a</i>)	(<i>a</i>)
Spain (<i>b</i>)—				
Silver bullion	Ounce	178,304	60,538	25,251
Silver coin	do.	146,700	40,348	73,881
Sweden—				
Silver scrap	Ounce	32	8,520	23,148
Silver bullion	do.	511,989	222,639	564,458

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Sweden (<i>Cont.</i>)—				
Silver coin	Krona	11,282	131,458	1,470,953
Silver rods, unshaped ..	Ounce	2,218	2,025	7,973
Silver wire unshaped, also sheet	do.	20,126	24,466	27,456
Silver wire and rods, shaped	do.	3,183	32	450
Silver leaf (<i>k</i>)	do.	65,072	42,052	44,656
Switzerland—				
Silver bullion	Ounce	1,914,629	1,987,738	1,948,258
Silver coin (<i>b</i>)	do.	6,494,268	1,089,178	132,072
Gold, silver or platinum, rolled in sheets or strips	do.	47,839	30,575	89,473
Gold, silver or platinum wire and thread; also metal wire covered with gold or silver	do.	15,207	17,104	25,527
Gold or silver tissue and gold or silver leaf ..	do.	4,244	11,027	13,085
Belgian Congo (<i>b</i>)—				
Silver coin	Ounce	477,331	—	(<i>a</i>)
Egypt (<i>b</i>)—				
Silver bullion	Ounce	126,060	379,370	147,086
Silver coin	£ (<i>Egyptian</i>)	69,543	126,202	9,257
Tunis (<i>b</i>)—				
Silver scrap and bullion..	Ounce	—	6,944	9,645
Silver coin	do.	927	—	322
Silver beaten, drawn or rolled	do.	43,355	27,720	49,064
United States—				
Silver ore and base bullion	Dollar	69,845,099	46,638,733	57,034,500
Gold and silver scrap ..	Ounce	6,454,656	7,266,336	3,371,184
Refined silver bullion (<i>e</i>) .	do.	(15,084,456)	(20,419,302)	(30,511,783)
United States silver coin	Dollar	2,093,073	2,891,952	1,249,247
Foreign silver coin ..	do.	3,730,572	142,046	(4,226,831 <i>e</i>)
Argentina—				
Silver bullion	Ounce	15,175	2,990	78,285
Silver leaf	do.	193	997	482
Brazil (<i>b</i>)—				
Silver bullion	Ounce	6,829	2,141	137
Silver leaf	do.	1,088	915	1,448
Chile—				
Silver ores	Cwt.	100,370	22	—
Silver bullion	Ounce	64	(<i>a</i>)	—

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	Unit	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)				
Chile (<i>Cont.</i>)—				
Silver coin	Peso of 18d.	65,952	10	—
Gold, silver or platinum leaf	Ounce	3,431	789	—
China (<i>b</i>)—				
Silver bullion	Haikwang	100,602,785	75,471,368	59,488,790
Silver coin	tael	25,751,603	14,073,239	16,197,718
Dutch East Indies—				
Java and Madura (<i>b</i>)—				
Silver bullion	Gulden	1,769,080	1,022,656	642,784
Silver coin	do.	11,755,287	12,368,353	9,220,424
Other Islands (<i>h</i>)—				
Silver bullion	do.	1,210	10,466	34,190
Silver coin	do.	612,402	1,018,000	612,375
Japan (<i>b</i>)—				
Silver bullion	Ounce	6,905,386	6,355,945	375,527
Silver coin	Yen	175,616	292,580	188,173
Siam (<i>b</i>) (<i>c</i>) (<i>d</i>)—				
Silver coin	Tical	1,359,012	2,627,887	3,427,002

(a) Information not available.

(b) Total imports.

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

(d) The figures refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

(e) Excess of re-exports.

(f) Figures refer to Belgium-Luxemburg Economic Union.

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

(h) Eight months only, May-December.

(i) Less than 10 cwt.

(j) Total imports, excluding transit trade.

(k) Including gold leaf and other metal leaf.

STRONTIUM MINERALS

PRODUCTION OF STRONTIUM MINERALS

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Celestite	4,183	6,622	4,711
Canada—			
Celestite	67	—	—
FOREIGN COUNTRIES			
Germany—			
Strontianite	69	610	(a)

(a) Information not available.

EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Strontianite and celestite ..	1,248	5,795	6,242
FOREIGN COUNTRIES			
Czechoslovakia (b)—			
Strontium carbonate ..	10	30	(c)
France—			
Strontium compounds ..	(a)	1	3

(a) Less than $\frac{1}{2}$ ton. (b) Total exports. (c) Information not available.

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
France—			
Strontium compounds ..	8	4	10
United States—			
Strontium compounds ..	741	541	13

SULPHUR

PRODUCTION OF SULPHUR

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Spent oxide (d)	139,000	103,000	156,600
Cyprus—			
Sulphur	12	—	—
New Zealand—			
Crude sulphur	746	873	—
FOREIGN COUNTRIES			
France—			
Sulphur rock	1,082	(a)	(a)
Sulphur content of rock ..	100	(a)	(a)
Italy—			
Crude sulphur—			
Fused	259,367	269,470	164,650
Ground	31,974	28,397	22,341
Jugoslavia—			
Sulphur	(a)	(a)	120
Poland—			
Sulphur	260	197	(a)
Spain—			
Sulphur rock	75,801	84,301	71,636
Refined sulphur (b)	12,489	13,333	22,462
Algeria—			
Sulphur rock	21	(a)	(a)
United States—			
Crude sulphur	1,255,249	1,879,150	1,830,942
Chile—			
Sulphur rock	13,130	9,520	(a)
Formosa—			
Sulphur rock	793	831	(a)
Japan—			
Sulphur rock	27,717	30,139	41,413
Refined sulphur (c)	38,964	36,003	34,085

(a) Information not available.

(b) From the treatment of sulphur rock in Spain.

(c) Additional to the sulphur rock mined.

(d) Consumed by the sulphuric acid industry. Average sulphur content is approximately 50 per cent.

EXPORTS OF SULPHUR

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Sulphur	1,545	1,288	328
Union of South Africa—			
Sulphur	—	27	9
Hong Kong (e)—			
Sulphur	565	864	506
Straits Settlements (d)—			
Sulphur	15	12	27
FOREIGN COUNTRIES			
Austria (d)—			
Sulphur	107	106	189
Belgium—			
Sulphur	3,520	2,117	(b) 1,327
Czechoslovakia (e)—			
Sulphur	38	13	(a)
Flowers of sulphur	16	1	(a)
France—			
Crude sulphur	9,777	2,432	5,635
Refined sulphur	20,200	9,303	9,950
Germany—			
Sulphur	315	(c) 2,188	6,191
Italy—			
Sulphur rock	291	—	250
Crude lump sulphur	46,908	11,470	46,595
Crude ground sulphur	36,814	19,937	12,048
Refined lump sulphur	22,992	10,310	16,619
Refined ground sulphur	27,731	23,028	29,299
Flowers of sulphur	11,222	5,935	5,783
Netherlands—			
Refined sulphur	1	9	5
Norway—			
Sulphur	49	—	—
Spain (e)—			
Sulphur	153	29	90
Sweden—			
Sulphur	2,764	866	204
United States—			
Sulphur	477,450	285,762	485,664
Flowers of sulphur	—	—	2,305

EXPORTS OF SULPHUR (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Chile—			
Refined sulphur	559	313	276
Japan—			
Sulphur	19,530	5,806	3,814

(a) Information not available.

(b) Figure refers to Belgium-Luxemburg Economic Union.

(c) Eight months only, May-December.

(d) Total exports, excluding transit trade.

(e) Total exports.

IMPORTS OF SULPHUR

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Sulphur	26,041	14,758	53,879
Malta—			
Flowers of sulphur	(£1,406)	(£995)	(£62)
Mauritius—			
Sulphur	1,873	1,341	929
Southern Rhodesia—			
Flowers of sulphur	3	3	6
South-West Africa Territory—			
Sulphur	21	28	19
Union of South Africa (a)—			
Rock-sulphur, including iron- pyrites	19,971	11,865	5,705
Flowers of sulphur	669	368	3,879
British Guiana—			
Sulphur	16	10	9
Canada (b)—			
Sulphur	106,165	70,178	109,830
Newfoundland (c)—			
Sulphur	2,800	3,531	(d)
Ceylon—			
Sulphur	(d)	(d)	114
Cyprus—			
Sulphur	100	43	114
Hong Kong (a)—			
Sulphur	783	1,508	1,312
India (b) (g)—			
Sulphur	10,592	6,277	9,026
Straits Settlements (e)—			
Sulphur	42	42	144
Australia (c)—			
Sulphur	33,901	71,282	48,575
Fiji Islands—			
Sulphur	5	4	2
New Zealand—			
Sulphur	4,165	4,622	9,035
FOREIGN COUNTRIES			
Austria (e)—			
Sulphur	4,011	4,487	7,084
Belgium—			
Sulphur	6,256	4,030	(h) 4,190

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Czechoslovakia (<i>a</i>)—			
Sulphur	5,578	2,854	2,058
Flowers of sulphur	13	53	(<i>d</i>)
Denmark—			
Sulphur	410	143	(<i>d</i>)
Finland (<i>a</i>)—			
Sulphur	28,593	6,368	26,783
France—			
Crude sulphur	219,482	151,428	399,884
Refined lump sulphur	8,526	1,636	424
Flowers of sulphur	4,617	1,613	355
Precipitated sulphur	44	4	10
Germany—			
Sulphur	23,209	(<i>f</i>) 19,357	60,334
Greece—			
Sulphur	7,024	17,478	19,045
Italy—			
Sulphur	1	153	3
Netherlands—			
Refined sulphur	961	598	759
Norway—			
Sulphur	10,174	4,071	11,476
Poland (<i>a</i>)—			
Sulphur	3,091	772	(<i>d</i>)
Portugal—			
Sulphur	27,593	(<i>d</i>)	(<i>d</i>)
Rumania (<i>a</i>)—			
Crude sulphur	5	(<i>d</i>)	(<i>d</i>)
Refined sulphur	1,695	(<i>d</i>)	(<i>d</i>)
Russia (<i>a</i>)—			
Sulphur	—	483	(<i>d</i>)
Spain (<i>a</i>)—			
Crude unground sulphur	15,105	5,914	7,246
Refined unground sulphur	3,931	754	321
Ground sulphur and flowers of sulphur	14,551	6,643	5,675
Sweden—			
Sulphur	57,613	20,700	57,454
Switzerland—			
Refined sulphur	3,932	1,553	4,751
Algeria—			
Sulphur	27,569	13,562	13,002
Egypt—			
Sulphur	400	682	716
Tunis (<i>a</i>)—			
Crude sulphur	366	7	185
Refined sulphur	540	656	1,010

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
United States—			
Sulphur	44	4	—
Argentina—			
Crude sulphur	5,000	8,535	2,972
Refined sulphur	3,216	1,085	295
Bolivia—			
Sulphur	112	131	(<i>d</i>)
Brazil (<i>a</i>)—			
Sulphur	7,779	255	4,596
Chile—			
Refined sulphur	24	49	43
Peru—			
Refined sulphur and sulphur chloride	298	92	133
China—			
Sulphur	2,540	3,424	2,501
Dutch East Indies (<i>a</i>)—			
Sulphur	8,044	4,792	8,124

(*a*) Total imports.

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

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

(*d*) Information not available.

(*e*) Total imports, excluding transit trade.

(*f*) Eight months only, May–December.

(*g*) Overseas trade only.

(*h*) Figure refers to Belgium–Luxemburg Economic Union.

TALC

PRODUCTION OF TALC

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	361	—	50
Union of South Africa	584	527	304
Canada	(a) 19,349	9,062	12,946
India	3,681	5,703	906
Australia	409	318	468
Total ..	24,400	15,600	14,700
FOREIGN COUNTRIES			
Austria (b)	6,783	7,884	13,263
France	51,578	(c)	(c)
Germany (Bavaria)	20,606	6,513	(c)
Italy	21,130	20,693	26,059
Norway	—	2,765	7,695
Spain	2,112	1,097	3,029
United States	188,067	108,916	177,396
Uruguay (b)	1,772	1,727	(c)
Total ..	292,000	200,000	285,000
WORLD'S TOTAL	316,400	216,000	300,000

(a) Sales.

(b) Exports.

(c) Information not available.

EXPORTS OF TALC
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ground talc, etc.	372	237	270
Canada (b)—			
Crude talc	667	32	—
Refined talc	10,394	7,812	8,537
FOREIGN COUNTRIES			
Austria (c)—			
Talc	6,783	7,884	13,263
Czechoslovakia (d)—			
Talc	16	24	(a)
France—			
Ground talc	19,058	9,394	14,467
Italy—			
Talc	13,935	10,832	16,915
Norway—			
Soapstone	1,426	652	658
Ground soapstone and talc	4,511	3,417	3,898
Spain (d)—			
Soapstone	2,011	1,438	2,365
Sweden—			
Talc and meerschaum	342	15	147
Egypt—			
Talc	29	2	—
Uruguay—			
Soapstone	1,696	1,637	(a)
Ground talc	76	90	(a)
China—			
Soapstone ware	41	325	284

(a) Information not available.

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

(c) Total exports, excluding transit trade.

(d) Total exports.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Talc, steatite and soapstone—			
Unground	2,362	2,619	3,912
Ground	10,912	3,867	6,411
Australia (a)—			
Talc manufactures	75	77	80
FOREIGN COUNTRIES			
Czechoslovakia (c)—			
Talc	1,098	618	(b)
Denmark—			
Talc	254	78	310
Finland (c)—			
Talc	1,233	727	(b)
France—			
Ground talc.. .. .	6,317	3,781	5,946
Rumania (c)—			
Talc	350	(b)	(b)
Sweden—			
Talc and meerschaum	3,867	1,934	1,460
Egypt—			
Talc	239	288	303
Tunis (c)—			
Crude talc	206	74	310
Ground talc.. .. .	505	4	41
United States—			
Ground or prepared talc	19,401	10,228	16,307
Argentina—			
Talc	715	2,003	1,289
Talc powder.. .. .	116	30	63
Chile—			
Crude talc	200	94	99
Peru—			
Talc powder.. .. .	23	19	2
Uruguay—			
Talc	46	7	(b)
Japan (c)—			
Talc	9,568	10,304	12,341

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

(b) Information not available.

(c) Total imports.

TIN

PRODUCTION OF TIN ORE

(In terms of metal)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	3,065	679	371
Nigeria	5,168	5,057	5,123
Swaziland (b)	287	234	98
Union of South Africa ..	1,429	720	470
India	(d) 1,648	1,362	1,530
Federated Malay States (e)	34,935	34,490	35,286
Unfederated Malay States(e)	1,992	1,747	1,937
Straits Settlements ..	1	4	3
Australia	5,233	3,592	2,570
Total ..	53,800	47,900	47,400
FOREIGN COUNTRIES			
Czechoslovakia	1,587	(f)	(f)
Germany (Saxony)	186	(f)	(f)
Portugal	102	(f)	(f)
Belgian Congo	210	410	(e) 810
United States	20	4	1
Argentina (e)	2	3	—
Bolivia (e)	27,821	18,804	31,616
China	10,566	11,200	14,000
Dutch East Indies (b) ..	21,181	26,382	(a) 27,000
Japan	202	289	282
Siam (b)	6,201	6,150	6,979
French Indo-China	(a) 250	302	426
Total ..	68,300	66,000	83,000
WORLD'S TOTAL	122,100	114,000	130,000

(a) Approximate production.

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

(c) Sales.

(d) Excluding tin contained in 1,223 long tons of low-grade ore produced in Burma.

(e) Exports.

(f) Information not available.*

SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	24,000	14,000	23,000
Southern Rhodesia ..	4	4	(b)
India	165	172	218
Straits Settlements (c) ..	49,306	41,917	66,259
Australia	4,108	2,985	2,657
Total ..	78,000	59,000	92,000
FOREIGN COUNTRIES			
Germany	(a) 1,300	(a) 4,000	5,400
Spain	17	—	—
United States	15,761	10,305	8,132
Bolivia (c)	108	60	200
China (c)	11,306	6,133	9,028
Dutch East Indies (a) ..	15,000	(d)	(d)
Japan	202	289	282
Total ..	44,000	36,000	38,000
WORLD'S TOTAL	122,000	95,000	130,000

(a) Approximate production.

(b) Less than $\frac{1}{2}$ ton.

(c) Exports.

(d) Information not available.

EXPORTS OF TIN
(Domestic Produce)
(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	794	199	200
Blocks, ingots, bars and slabs	13,349	9,897	12,579
Soft solder	795	501	798
Tin-foil	354	310	730
Gold Coast—			
Ore	3	—	—
Nigeria—			
Ore	7,913	7,181	8,121
Southern Rhodesia—			
Ore	9	4	1
South-West Africa Territory—			
Ore	56	25	78
Union of South Africa—			
Ore	2,423	1,712	1,514
Blocks, ingots and bars ..	7	—	12
Hong Kong (a)—			
Ingots and slabs	13,589	8,217	12,304
India (b) (c)—			
Ore	959	1,603	1,590
Blocks, ingots, bars and slabs	(d)	15	—
Wrought tin	2	(d)	—
Straits Settlements (e)—			
Ore	57	11	(d)
Tin	49,306	41,917	66,259
Federated Malay States—			
Ore and block tin (f) ..	34,935	34,490	35,286
Unfederated Malay States—			
Ore, from—			
Johore	1,586	1,493	1,490
Kelantan	2	4	2
Trengganu	483	399	431
Kedah (g)	516	361	384
Perlis (g)	259	239	460
Australia (l)—			
Ore, dross and ashes (f) ..	29	30	1
Ingots	3,432	2,056	1,774
FOREIGN COUNTRIES			
Austria (e)—			
Crude tin	225	340	(h)
Belgium—			
Ore	247	440	(i) 699
Crude tin	71	372	(i) 86
Beaten, drawn or rolled ..	59	18	(i) 27

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Denmark—			
Crude tin	4	(<i>d</i>)	(<i>d</i>)
Tin-foil	1	1	1
France—			
Ore	279	27	464
Scrap	160	505	261
Pure lumps, pigs, bars and slabs	1,183	494	605
Alloyed with antimony in lumps, pigs, bars and slabs	65	59	92
Pure or alloyed, beaten, rolled or drawn	619	276	171
Germany—			
Crude tin and scrap ..	222	(<i>j</i>) 626	1,442
Tin-foil	78	(<i>j</i>) 104	298
Italy—			
Tin and alloyed ingots, bars and scrap	156	181	193
Sheets	23	7	31
Netherlands—			
Ore	2	—	—
Banka and Billiton blocks	172	162	109
Other tin blocks	14	16	11
Scrap, bars, sheets, wire, tin- foil and powder	46	45	74
Norway—			
Tin	14	9	3
Portugal—			
Ore	48	(<i>h</i>)	(<i>h</i>)
Spain (<i>a</i>)—			
Tin	21	27	76
Sweden—			
Unwrought tin and scrap ..	32	158	65
Switzerland—			
Pigs, bars and slabs ..	26	18	10
Pure or alloyed sheets, tubes and wire	(<i>d</i>)	—	—
Tin-foil	87	146	283
Scrap	9	6	52
Belgian Congo—			
Ore	584	450	1,157
United States—			
Blocks, pigs, bars and grains	630	1,031	805
Bolivia—			
Ore	46,188	31,240	52,381
Bars	108	60	(<i>h</i>)

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Chile—			
Bars and sheets	(<i>h</i>)	1	—
China—			
Slabs.. .. .	11,306	6,133	9,028
Tin-foil	87	91	141
Dutch East Indies (<i>a</i>)—			
Ore	9,229	11,720	20,745
Tin from—			
Java and Madura	13,333	13,321	15,209
Other islands	90	8	394
Japan—			
Tin-foil	1,131	948	1,334
Siam (<i>a</i>) (<i>b</i>) (<i>k</i>)—			
Tin	8,473	8,341	9,905

(*a*) Total exports.

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

(*c*) Overseas trade only.

(*d*) Less than $\frac{1}{2}$ ton.

(*e*) Total exports, excluding transit trade.

(*f*) Tin content.

(*g*) Years ended during September of the year stated.

(*h*) Information not available.

(*i*) Figures refer to Belgium-Luxemburg Economic Union.

(*j*) Eight months only, May-December.

(*k*) Figures refer to the port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

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

IMPORTS OF TIN
(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Ore	32,718	20,277	37,775
Blocks, ingots, bars and slabs	15,137	6,009	9,212
Soft solder	115	(6 <i>d</i>)	64
Tin-foil	317	220	370
Mauritius—			
Slabs	14	10	3
Plates and sheets	87	157	39
Southern Rhodesia (a)—			
Blocks, ingots and bars	58	28	38
Plates and sheets	(e)	1	(e)
South-West Africa Territory—			
Blocks, ingots and bars	2	(e)	(e)
Plates and sheets	(e)	—	(e)
Union of South Africa—			
Blocks, ingots and bars	42	393	157
Plates and sheets	11	17	(8 <i>d</i>)
Canada (b)—			
Blocks, pigs and bars	1,907	1,216	1,753
Tin-foil	712	727	915
Jamaica—			
Ingots	(£166)	(£520)	(£276)
Ceylon—			
Blocks, ingots, slabs and plates	349	130	308
Cyprus—			
Ingots and bars	4	10	3
Plates	5	8	15
Hong Kong (a)—			
Ingots and slabs	10,779	7,216	8,613
India (b) (g)—			
Blocks, ingots, bars and slabs	2,182	2,852	2,289
Wrought tin	41	126	342
Straits Settlements (h)—			
Ore	63,556	61,224	72,904
Tin	5,021	4,651	6,747
Australia (i)—			
Ore, dross and ashes	2	—	—
Ingots	1	49	44
New Zealand—			
Ingots, etc.	281	188	195
Tin-foil	14	6	11

IMPORTS OF TIN (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Austria (<i>h</i>)—			
Crude tin	518	1,060	(<i>f</i>)
Belgium—			
Ore	356	441	(<i>j</i>) 523
Crude tin	2,051	1,720	(<i>j</i>) 1,393
Beaten, rolled or drawn tin	151	231	(<i>j</i>) 275
Bulgaria (<i>a</i>)—			
Ingots, plates, etc.	58	(<i>f</i>)	(<i>f</i>)
Denmark—			
Crude tin	269	205	254
Sheets	9	9	20
Tin-foil	36	33	56
Finland (<i>a</i>)—			
Unwrought tin	105	110	150
Tin solder	5	6	(<i>f</i>)
France—			
Ore	728	408	1,243
Scrap	3	5	70
Pure lumps, pigs, bars and slabs	6,694	7,566	8,666
Alloyed with antimony in pigs, bars and slabs ..	32	72	67
Pure or alloyed, beaten, rolled or drawn	126	98	246
Germany—			
Ore	1,938	(<i>c</i>) 4,209	7,520
Crude tin and scrap	4,463	(<i>c</i>) 5,233	8,094
Tin-foil	—	(<i>c</i>) 2	1
Greece—			
Crude tin	107	136	132
Italy—			
Tin and alloyed ingots, bars and scrap	2,030	2,111	3,032
Sheets	70	36	47
Jugoslavia (<i>a</i>)—			
Crude tin, solder and scrap	131	224	269
Sheets and plates	(<i>e</i>)	2	3
Pipes and cylinders	1	1	3
Bars, rods and wire	1	5	1
Tin-foil	1	7	7
Netherlands—			
Banka and Billiton blocks	726	841	758
Other tin blocks	42	125	110
Scrap, bars, sheets, wire, tin- foil and powder	52	106	103

IMPORTS OF TIN (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude tin	103	127	43
Rolls, bars, plates and filings	148	79	87
Portugal—			
Crude tin and scrap ..	742	(f)	(f)
Rolled tin	8	(f)	(f)
Solder	30	(f)	(f)
Spain (a)—			
Ingots	1,105	830	1,245
Sweden—			
Unwrought tin and scrap ..	1,264	717	598
Switzerland—			
Pigs, bars and slabs ..	1,024	851	944
Pure or alloyed sheets, tubes and wire	3	2	6
Foil	15	19	15
Scrap	1	10	3
Algeria—			
Tin	117	108	118
Egypt—			
Ingots, bars and slabs ..	153	268	291
Tunis (a)—			
Lumps, pigs, bars and slabs	40	27	47
Alloyed ingots	1	(e)	1
Cuba (a)—			
Tin	419	211	118
United States—			
Ore	30,489	13,696	12,325
Blocks, pigs, bars and grains	55,970	23,834	59,776
Bolivia—			
Tin	(e)	1	(f)
Brazil (a)—			
Bars, rods, sheets and plates	571	92	393
Chile—			
Ingots	(f)	32	152
Bars and sheets	83	68	217
Rolled tin	(f)	3	6
Peru—			
Bars and sheets	72	37	34
Tin-foil	1	1	2
China—			
Slabs	3,103	4,493	3,037
Tin and other foils ..	3,708	2,485	3,454

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Dutch East Indies (<i>a</i>)—			
Tin	121	152	(<i>f</i>)
Japan (<i>a</i>)—			
Ingots and slabs	3,133	3,364	2,949
Other tin	12	5	7

(*a*) Total imports.

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

(*c*) Eight months only, May–December.

(*d*) Excess of re-exports.

(*e*) Less than $\frac{1}{2}$ ton.

(*f*) Information not available.

(*g*) Overseas trade only.

(*h*) Total imports, excluding transit trade.

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

(*j*) Figures refer to Belgium–Luxemburg Economic Union.

TITANIUM MINERALS

PRODUCTION OF TITANIUM ORES

(Long tons)

Producing Country and Description	1920	1921	1922
BRITISH EMPIRE			
Canada (Quebec)—			
Ilmenite	857	—	—
India—			
Ilmenite	—	—	400
FOREIGN COUNTRIES			
Norway—			
Ilmenite	3,324	2,526	3,247
Rutile	39	20	77
United States—			
Ilmenite	247	—	4,626
Rutile	239	—	277
French Indo-China—			
Ilmenite	100	(a)	452

(a) Information not available.

EXPORTS OF TITANIUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
Norway—			
Rutile	67	45	42
Ground rutile	(a)	(a)	25

(a) Information not available.

IMPORTS OF TITANIUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom— Titanium and zirconium minerals	98	150	14
FOREIGN COUNTRIES			
United States— Titanium and ferro-titanium	1	2	24

TUNGSTEN

PRODUCTION OF TUNGSTEN ORES

(Long tons of concentrates)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	94	80	3
Southern Rhodesia	15	15	40
India	2,346	898	943
Federated Malay States..	378	55	95
Unfederated Malay States	280	59	224
Australia—			
Wolfram and scheelite..	749	27	4
Bismuth and wolfram ..	49	—	—
New Zealand	39	38	—
FOREIGN COUNTRIES			
Czechoslovakia	956	(c)	(c)
France	(a) 103	(c)	(c)
Germany	(a) 7	(c)	(c)
Italy	—	20	(c)
Portugal	214	(a) 150	(a) 350
Russia	490	(c)	(c)
Spain	61	25	—
Sweden	30	—	—
Mexico	39	14	—
United States	193	—	—
Argentina	128	(d) 5	109
Bolivia (d)	697	158	7
Peru	69	1	—
China (d)	4,123	2,325	3,390
Dutch East Indies—			
Tin-tungsten ore	317	—	(c)
French Indo-China—			
Tin-tungsten ore	431	593	180
Japan	155	—	—
Korea	—	(c)	(c)
Siam (b)	217	115	—

(a) Estimated.

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

(c) Information not available.

(d) Exports.

EXPORTS OF TUNGSTEN

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	26	3	317
Tungsten powder	248	71	178
Southern Rhodesia—			
Tungsten ore	22	—	—
Hong Kong (c)—			
Tungsten ore	2,541	672	536
India (b) (g)—			
Tungsten ore	2,251	461	120
Federated Malay States—			
Wolfram	113	55	95
Scheelite	120	—	(d)
Straits Settlements (e)—			
Tungsten ore	333	4	466
Unfederated Malay States—			
Tungsten ore	153	12	174
Australia (f)—			
Wolfram	776	311	21
Scheelite	327	14	52
New Zealand—			
Scheelite	10	—	8
FOREIGN COUNTRIES			
Austria (e)—			
Tungsten ore	72	—	(a)
Czechoslovakia (c)—			
Tungsten ore	47	33	(a)
Portugal—			
Tungsten ore	177	(a)	(a)
Sweden—			
Ferro-tungsten, etc. ..	2	5	(d)
United States—			
Tungsten and ferro-tungsten	2	—	1
Argentina—			
Tungsten ore	159	51	109
Bolivia—			
Tungsten ore	697	158	(a)
Peru—			
Tungsten ore	69	2	2
China—			
Tungsten ore	4,123	2,325	3,390

EXPORTS OF TUNGSTEN (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
Japan—			
Tungsten ore	84	—	187
Java and Madura—			
Tungsten ore	40	(a)	(a)
Siam (<i>b</i>) (<i>c</i>) (<i>h</i>)—			
Tungsten ore	11	—	—

(a) Information not available.

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

(c) Total exports.

(d) Less than $\frac{1}{2}$ ton.

(e) Total exports, excluding transit trade.

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

(g) Overseas trade only.

(h) Figures refer to port of Bangkok only, through which port about 85 per cent. of the trade of Siam passes.

IMPORTS OF TUNGSTEN

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore	6,132	681	141
Tungsten powder	5	5	5
Hong Kong (b)—			
Tungsten ore	954	241	1
Straits Settlements (e)—			
Tungsten ore	255	39	203
FOREIGN COUNTRIES			
Czechoslovakia (b)—			
Tungsten ore	73	18	(a)
France—			
Tungstic acid and tungstates	13	(c)	1
Germany—			
Tungsten ore	27,317	(d) 5,298	5,747
Sweden—			
Ferro-tungsten, etc.	165	31	92
United States—			
Tungsten ore	1,667	1,441	1,096
Tungsten and ferro-tungsten	892	226	464

(a) Information not available.

(b) Total imports.

(c) Less than $\frac{1}{2}$ ton.

(d) Eight months only, May–December.

(e) Total imports, excluding transit trade.

URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	60	76	393
FOREIGN COUNTRIES			
Czechoslovakia	75	(b)	(b)
Portugal	430	(b)	(b)
Madagascar	5	9	16
United States (a)	128	97	21

(a) Uranium content of ores.

(b) Information not available.

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
France—			
Uranium oxide	25	18	—
Radium and radium products (lb.)	—	(24)	—
Portugal—			
Uranium minerals	7,478	(a)	(a)
Madagascar—			
Uranium minerals	101	117	307

(a) Information not available.

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Uranium minerals	(b)	5,026	283
Canada (c)—			
Radium	(£3,800)	(£16,704)	(£28,038)
FOREIGN COUNTRIES			
France—			
Uranium oxide	22	20	26
Other uranium salts ..	18	—	10
Radium and radium pro- ducts	(£4,005)	(209 lb.)	(458 lb.)
Norway—			
Radium	—	(£1,912)	(£985)
United States—			
Uranium	4	2	(a)
Uranium oxide and salts ..	(b)	25	49

(a) Information not available.

(b) Less than $\frac{1}{2}$ cwt.

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

VANADIUM

PRODUCTION OF VANADIUM ORES

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
Northern Rhodesia ..	—	55	141
South-West Africa Territory	360	650	1,982
FOREIGN COUNTRIES			
United States (a)	470	180	23
Argentina (b)	117	27	—
Peru (a)	1,095	199	(c)

(a) Vanadium content.

(b) Exports.

(c) A few tons of vanadiferous ash were produced.

EXPORTS OF VANADIUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
South-West Africa Territory— Ore	437	425	568
FOREIGN COUNTRIES			
United States— Ferro-vanadium	173	98	22
Argentina— Ore	117	27	—
Peru— Ore	9,809	2,774	22

IMPORTS OF VANADIUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES			
United States—			
Ore	9,229	4,602	273
Ferro-vanadium	4	—	(a)

(a) Less than $\frac{1}{2}$ ton.

ZINC

PRODUCTION OF ZINC ORE

(In terms of metal)

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom	1,655	374	745
Northern Rhodesia (a) ..	—	18	3
Union of South Africa ..	1,219	455	—
Canada	40,640	35,232	46,522
India	—	29,106	29,759
Australia	10,076	139,460	195,533
Total ..	53,590	204,630	272,600
FOREIGN COUNTRIES			
Austria	468	106	40
Czechoslovakia	(c) 900	(b)	(b)
France	5,009	(c) 3,000	(b)
Germany	148,000	(c) 108,000	(c) 100,000
Greece (d)	901	1,082	(b)
Italy	38,486	25,823	37,922
Jugoslavia	(b)	(b)	(c) 180
Norway	32	3	244
Russia	—	1,100	2,000
Spain	27,895	15,567	23,568
Sweden	16,335	10,849	13,957
Algeria	11,400	6,000	17,000
Tunis	(c) 6,000	3,400	2,400
Mexico	15,399	1,237	6,043
United States	523,557	229,237	421,593
Bolivia (e)	540	—	—
China (e)	3,500	4,500	22,900
French Indo-China ..	3,342	4,955	8,516
Korea	(c) 1,500	(e) 800	(b)
Total ..	803,000	418,000	660,000
WORLD'S TOTAL	857,000	621,000	930,000

(a) Ore.

(b) Information not available.

(c) Approximate production.

(d) Revised figures.

(e) Exports.

SMELTER PRODUCTION OF ZINC

(Long tons)

Producing Country	1920	1921	1922
BRITISH EMPIRE			
United Kingdom (a) ..	18,000	3,000	32,000
Canada	16,533	23,655	25,129
Australia	9,665	1,681	23,724
Total ..	44,000	28,000	81,000
FOREIGN COUNTRIES			
Austria	—	240	250
Belgium	82,906	65,402	(b) 110,485
Czechoslovakia	(a) 4,200	6,600	2,300
France	19,762	23,973	39,800
Germany	97,600	89,000	82,300
Italy	1,158	814	2,737
Jugoslavia	(a) 1,800	2,400	(c) 2,118
Netherlands	1,998	6,304	12,800
Norway	1,969	(a) 2,000	1,820
Poland, excluding Silesia ..	5,275	6,915	(f) 25,000
Spain	9,492	6,630	6,168
Sweden	5,667	3,454	1,525
United States (e)	413,729	179,018	316,319
China	177	1,270	(a) 2,000
Japan	15,463	10,188	12,150
Total ..	661,000	404,000	618,000
WORLD'S TOTAL	705,000	432,000	699,000

(a) Approximate production.

(b) In addition, 2,873 long tons of zinc dust were produced.

(c) Crude and refined zinc. In addition, 102 long tons of zinc dust were produced.

(d) Information not available.

(e) In addition, zinc dust was produced as follows:—

1920	9,071 long tons.
1921	1,746 ..
1922	3,235 ..

(f) Including Polish Upper Silesia.

EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Sulphides	2,139	66	2
Ashes, etc.	2,153	1,380	9,700
Spelter	6,533	4,783	2,681
Sheets, plates and discs	3,330	2,374	1,609
Oxide	1,773	740	2,871
Lithopone	104	19	26
Southern Rhodesia—			
Unwrought zinc	—	1	(f)
Union of South Africa—			
Ore	2,368	1,294	—
Spelter, bars, plates and sheets	(f)	3	—
Canada (a)—			
Ore	1,791	82	—
Spelter	6,110	21,705	15,767
Hong Kong (b)—			
Ore	—	4	—
Bars and rods	38	161	182
Sheets and plates	325	213	326
Other zinc	251	568	728
India (a) (c)—			
Zinc	3,025	6,000	14,949
Australia (d)—			
Concentrates (e)	13,742	19,088	56,358
Blocks, bars, rods, etc.	2,015	3,321	7,953
Sheets	67	448	8
New Zealand—			
Spelter and bars	55	15	40
FOREIGN COUNTRIES			
Austria (g)—			
Ores	660	445	(h)
Spelter	2,545	4,194	(h)
Zinc-white and zinc-grey	169	177	110
Lithopone, etc.	115	25	(h)
Belgium—			
Ore	19,747	37,304	(i) 19,755
Spelter	17,423	37,581	(i) 55,124
Sheets and wire	38,939	29,306	(i) 47,254

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia (b)—			
Ore	52	1,255	(h)
Sheets and plates	218	1,132	(h)
Zinc-white and zinc-grey ..	1,557	2,765	2,103
Lithopone, etc.	831	1,132	356
Denmark—			
Spelter	122	115	219
Zinc-white	9	5	—
France—			
Ore	11,845	8,183	13,476
Spelter and bars	5,863	4,834	5,134
Sheets	2,196	2,303	3,438
Scrap	6,058	1,148	3,719
Oxide	2,564	1,990	2,890
Lithopone	130	20	2
Germany—			
Ore	30,597	(j) 7,980	31,859
Spelter	27,430	(j) 18,012	20,781
Sheets	4,406	(j) 5,138	5,230
Scrap	(h)	(h)	1,156
Zinc-white	8,922	(j) 6,865	9,665
Lithopone	9,139	(j) 5,602	10,866
Greece—			
Calamine	63	65	69
Italy—			
Ore	92,040	57,882	130,789
Spelter and scrap	78	519	1,219
Sheets and plates	30	38	13
Oxide	1,625	702	176
Netherlands—			
Ore	240	215	4,118
Spelter	1,377	4,277	14,922
Scrap	533	1,119	1,740
Sheets, wire and dust	1,740	2,753	2,578
Zinc-white	3,962	5,764	11,573
Lithopone	12,121	9,686	20,737
Norway—			
Ore	11	—	1,132
Ashes	463	240	1,435
Refined zinc	11,007	16,930	9,256
Plates	—	25	961
Zinc-white	123	2	1
Poland (b)—			
Zinc	1,024	(h)	(h)

EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Spain (b)—			
Blende	49,423	14,451	39,401
Crude calamine	8,290	4,821	9,112
Calcined calamine	984	2,835	5,992
Spelter and plates	1,571	122	1,134
Sweden—			
Ore	69,513	28,913	42,428
Unwrought zinc	1,398	4,276	1,847
Scrap	445	459	880
Plates	33	22	40
Zinc-white	313	46	9
Lithophone	7	2	(f)
Switzerland—			
Spelter and scrap	2,134	1,462	2,264
Bars, sheets and pipes	45	1	1
Zinc-white, etc.	77	12	1
Lithopone, etc.	7	(f)	(f)
Algeria—			
Ore	27,271	17,255	38,772
Egypt—			
Spelter	38	17	83
Tunis (b)—			
Ore	15,746	7,686	6,062
United States—			
Ore	—	—	1,513
Dross	2,183	456	7,511
Spelter produced from—			
Domestic ore	66,112	1,565	23,942
Foreign ore	25,117	571	2,894
Sheets, strips, etc.	10,582	1,621	2,872
Dust	—	—	1,784
Oxide	9,968	2,242	3,551
Bolivia—			
Ores	1,187	—	—
Zinc	(f)	—	173
Peru—			
Ore	19	(h)	(h)
Argentiferous zinc ore	48	(h)	(h)
China—			
Ore	8,972	11,739	60,273
Spelter	96	1,068	119

EXPORTS OF ZINC (*Cont.*)

Exporting Country and Description	1920	1921	1922
FOREIGN COUNTRIES (<i>Cont.</i>)			
French Indo-China (<i>b</i>)—			
Ore	40,171	28,518	27,245
Scrap	157	200	281
Japan—			
Ore	1,512	—	—
Spelter	222	52	66

(*a*) Years ended 31st March of the year following that stated.

(*b*) Total exports.

(*c*) Overseas trade only.

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

(*e*) Zinc content.

(*f*) Less than $\frac{1}{2}$ ton.

(*g*) Total exports, excluding transit trade.

(*h*) Information not available.

(*i*) Figures refer to Belgium-Luxemburg Economic Union.

(*j*) Eight months only, May-December.

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

Importing Country and Description	1920	1921	1922
BRITISH EMPIRE			
United Kingdom—			
Calamine	10,840	—	550
Sulphides	17,054	5,158	12,770
Ashes, etc.	8,933	787	81,435
Spelter	99,990	62,368	72,485
Sheets, plates and discs ..	5,001	9,320	10,230
Oxide	5,748	4,431	5,549
Lithopone	13,368	7,411	9,714
Anglo-Egyptian Sudan—			
Zinc-white	—	—	14
Northern Rhodesia—			
Unwrought zinc	1	2	—
Southern Rhodesia—			
Unwrought zinc	196	203	272
South-West Africa Territory—			
Unwrought zinc	2	2	6
Union of South Africa (a)—			
Unwrought zinc	1,470	1,598	1,885
Canada (b)—			
Spelter	555	528	451
Blocks, bars and rods	2	16	24
Sheets and plates	1,331	1,311	1,723
Dust	164	181	147
Zinc-white	7,501	6,990	9,906
Newfoundland (c)—			
Zinc	(£343)	(£138)	(£99)
Ceylon—			
Slabs, sheets and plates ..	6	9	34
Hong Kong (a)—			
Bars and rods	1	85	12
Sheets and plates	657	838	364
Other zinc	136	208	225
India (b) (d)—			
Unwrought zinc	1,824	3,379	2,681
Wrought zinc	2,713	1,691	2,233
Other zinc	33	23	29
Zinc-white	1,760	1,397	1,927
Australia (c)—			
Ore	—	2	—
Concentrates	40	11	—
Blocks, bars, scrap, etc. ..	247	326	1,551
Sheets	46	99	248

IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1920	1921	1922
BRITISH EMPIRE (Cont.)			
Australia (c) (Cont.)—			
Oxides (a)	9	7	14
Lithopone (a)	20	37	17
New Zealand—			
Spelter and bars	127	104	184
Sheets	109	73	98
FOREIGN COUNTRIES			
Austria (e)—			
Spelter	1,879	4,570	(f)
Zinc-white and zinc-grey	941	1,700	1,093
Lithopone, etc.	534	774	(f)
Belgium—			
Ore	275,121	186,057	(g) 271,649
Spelter	13,548	8,339	(g) 12,261
Sheets and wire	176	23	(g) 49
Bulgaria (a)—			
Bars, sheets and plates	136	(f)	(f)
Czechoslovakia (a)—			
Ore	2,454	2,892	(f)
Sheets and plates	436	303	(f)
Zinc-white and zinc-grey	186	85	(f)
Lithopone	261	43	(f)
Denmark—			
Spelter	995	783	1,216
Plates	1,278	1,467	1,983
Zinc-white	1,463	1,132	1,689
Lithopone	319	361	318
Finland (a)—			
Unwrought zinc and scrap	16	37	(f)
Plates	99	58	(f)
Zinc-white	775	779	(f)
Lithopone	188	105	(f)
France—			
Ore	39,030	41,866	93,106
Spelter and bars	31,509	12,521	35,927
Sheets	24,999	8,615	16,719
Scrap	1,323	676	1,313
Oxide	5,133	3,212	4,930
Lithopone	7,616	2,352	7,680
Germany—			
Ore	28,386	(h) 16,799	72,154
Spelter	519	(h) 1,743	24,425
Sheets	27	(h) 73	5,891
Scrap	(f)	(f)	1,517
Zinc-white	62	(h) 14	48
Lithopone	18	(h) 1	6

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Greece—			
Spelter	282	260	283
Italy—			
Spelter and scrap	3,708	652	(i) 5,090
Sheets and plates	3,314	2,861	3,888
Oxide	2,595	809	2,190
Jugoslavia (a)—			
Spelter	8	(f)	(f)
Sheets and plates	40	(f)	(f)
Bars and rods	61	(f)	(f)
Zinc-white, lithopone, etc. . .	569	(f)	(f)
Netherlands—			
Ore	22,728	40,283	63,852
Spelter	3,299	3,277	1,392
Scrap	59	83	133
Sheets, wire and dust	5,831	6,201	7,345
Zinc-white	9,753	7,733	13,951
Lithopone	669	437	456
Norway—			
Ore	4,578	—	7,688
Ashes	146	(j)	—
Spelter	14,725	6,950	(2,972m)
Bars, plates and bolts	739	541	398
Zinc-white	1,884	2,367	1,812
Poland (a)—			
Zinc	90	(f)	(f)
Spain (a)—			
Spelter and bars	272	2,009	864
Plates, nails and wire	172	336	321
Sweden—			
Ore	—	(j)	968
Unwrought zinc	2,521	852	1,090
Scrap	739	701	11
Plates	2,091	837	1,757
Zinc-white	4,526	4,395	4,423
Lithopone	783	558	698
Switzerland—			
Spelter and scrap	2,413	1,190	3,233
Bars, sheets and pipes	1,272	717	1,004
Zinc-white, etc.	982	759	909
Lithopone	544	590	876
Algeria—			
Zinc	700	482	970
Egypt—			
Spelter	3	8	4
Sheets	418	194	274
Oxide	501	609	708

IMPORTS OF ZINC (Cont.)

Importing Country and Description	1920	1921	1922
FOREIGN COUNTRIES (Cont.)			
Tunis (a)—			
Sheets, etc.	277	125	89
Oxide	66	55	90
Cuba (a)—			
Spelter	2	—	13
Sheets	30	25	36
United States—			
Ore (k)	20,078	2,415	1,722
Spelter	13	6,017	(159m)
Dust	15	38	(£17,053)
Oxides, sulphides and litho- pone	2,989	5,918	12,076
Bolivia—			
Zinc	8	(j)	(f)
Brazil (a)—			
Bars, sheets and plates . .	1,053	252	839
Zinc-white	3,594	829	3,147
Chile—			
Bars and sheets	228	111	281
Zinc-white	143	69	110
Peru—			
Spelter, bars, sheets, etc. (l)	230	154	131
China—			
Ore	1,836	(j)	—
Spelter	867	846	2,276
Sheets and plates	796	208	299
French Indo-China (a)—			
Rolled zinc	1,626	930	854
Japan (a)—			
Ore	2,470	3,275	—
Spelter	5,034	18,978	37,738
Sheets	2,052	1,644	2,702
Dust	166	(f)	(f)
Other unwrought zinc . . .	524	778	1,029
Zinc-white	79	(f)	(f)

(a) Total imports.

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

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

(d) Overseas trade only.

(e) Total imports, excluding transit trade.

(f) Information not available.

(g) Figures refer to Belgium-Luxemburg Economic Union.

(h) Eight months only, May-December.

(i) Including 79 long tons on reparation account.

(j) Less than $\frac{1}{2}$ ton.

(k) Zinc content.

(l) Including lead.

(m) Excess of re-exports.

LIST OF STATISTICAL PUBLICATIONS.

UNITED KINGDOM.

- Mines and Quarries; Annual General Report with Statistics, Part III, by Chief Inspector of Mines.
 Annual Report of the Secretary for Mines, and of H.M. Chief Inspector of Mines.
 Annual Report on Alkali, etc., Works by the Chief Inspectors.
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions, 1922.
Northern Ireland.—Annual Report of the Ministry of Commerce on the Mining and Quarrying Industries in Northern Ireland, and of the Inspector of Mines.
Ireland.—Annual Report on the Trade in Imports and Exports at Irish Ports.

MALTA.

- Customs Trade Statistics.
 Customs Trade Returns, Quarterly.

ANGLO-EGYPTIAN SUDAN.

- Report on Finances, Administration and Condition of the Sudan, 1922.
 Customs Returns.

BECHUANALAND PROTECTORATE.

- Colonial Reports.

GAMBIA.

- Annual Blue Book.

GOLD COAST.

- Annual Report on the Mining Industry.
 Annual Blue Book.
 Report on the Customs and Marine Departments.

KENYA.

- Trade Reports.

MAURITIUS.

- Colonial Reports.
 Annual Blue Book.

NYASALAND.

- Annual Blue Book.

NIGERIA.

- Annual Report of the Mines Department.
 Nigerian Railways and Udi Coal Mines Administrative Report, 1920.
 Colonial Reports.
 Annual Blue Book.

NORTHERN AND SOUTHERN RHODESIA.

Annual Report of the Rhodesia Chamber of Mines.
 Annual Statement of the Trade and Shipping of the Union of South
 Africa and of Southern and Northern Rhodesia.

SIERRA LEONE.

Trade Reports.
 Annual Blue Book.

SOMALILAND.

Colonial Reports.

SWAZILAND.

Colonial Reports.

TANGANYIKA TERRITORY.

Trade Reports.

UNION OF SOUTH AFRICA.

Union.—Annual Report of the Government Mining Engineer.
 Annual Statement of the Trade and Shipping of the Union
 of South Africa and of Southern and Northern Rhodesia.
South West Africa Territory.—Report of the Administrator of
 South West Africa, 1922.
 Annual Statement of the Trade and Shipping of the Union
 of South Africa and of Southern and Northern Rhodesia.

ZANZIBAR.

Annual Blue Book.

BRITISH GUIANA.

Annual Report on the Lands and Mines Department.
 Annual Blue Book.

CANADA.

Annual Report of the Mineral Production of Canada.
 Annual Coal Statistics for Canada.
 Annual Report on Chemicals and Allied Products.
 Monthly Report of the Trade of Canada, March, 1923.

NEWFOUNDLAND.

Customs Returns.

WEST INDIES.

General.—Colonial Reports.
Barbados.—Annual Blue Book.
Bermuda.—Annual Blue Book.
Jamaica.—Annual Blue Book.
St. Lucia.—Annual Blue Book.
St. Vincent.—Annual Blue Book.
Trinidad and Tobago.—Administration Reports of the Director of
 Lands and Mines and Sub-Intendant of Crown Lands.
 Annual Blue Book.

ADEN.

Report on the Trade and Navigation of Aden.

BRITISH BORNEO.

Brunei—Annual Reports on the State of Brunei.

Sarawak.—Annual Report of the Director of the Mint, United States.
Annual Report of the Treasury and the Post, Shipping and
Customs Departments.

CEYLON.

Colonial Reports.

Annual Report of the Inspector of Mines.

Trade and Customs Returns.

Annual Blue Book.

CYPRUS.

Annual Blue Book.

HONG KONG.

Annual Trade and Shipping Returns.

INDIA.

Annual Report on Mineral Production of India in the Records of the
Geological Survey of India.

Annual Statement of the Sea-Borne Trade of British India with the
British Empire and Foreign Countries.

Accounts relating to the Trade by Land of British India with Foreign
Countries, March, 1923.

STRAITS SETTLEMENTS.

Straits Settlements.—Annual Blue Book.

Returns of the Imports and Exports.

Federated Malay States.—Annual Report on the Administration of
the Mines Department and on the Mining Industries.

Unfederated Malay States.—Annual Reports on the Unfederated Malay
States under British Protection.

AUSTRALIA.

Commonwealth.—Summary of Australian Production Statistics ;
Australian Metal Exchange ; Statistics relating to Lead, Silver,
Copper, Tin and Pig Iron.

Trade and Customs and Excise Revenue of the Commonwealth
of Australia.

New South Wales.—Annual Report of the Department of Mines.

Victoria.—Gold and Mineral Statistics.

Queensland.—Annual Report of the Under Secretary for Mines.

Western Australia.—Annual Report of the Department of Mines.

Tasmania.—Annual Report of the Secretary for Mines.

South Australia.—Department of Mines ; Mining Review.

Northern Territory.—Annual Report of the Administrator.

Papua.—Annual Report.

FIJI ISLANDS.

Annual Blue Book.

NEW ZEALAND.

Annual Mines Statement.

Statistics of the Dominion of New Zealand ; Vol. II, Trade and Shipping.

AUSTRIA.

Mitteilungen über den österreichischen Bergbau.
 Statistische Uebersichten über den auswärtigen Handel Oesterreichs.

BELGIUM.

Statistique des Industries Extractives et Métallurgiques.
 Reports of the International Institute of Agriculture, Rome.
 Tableau Annuel du Commerce de la Belgique avec les Pays Etrangers.

BELGIUM-LUXEMBURG ECONOMIC UNION.

Bulletin du Commerce Spécial avec les Pays Etrangers.

BULGARIA.

Department of Overseas Trade Reports on the Commercial and
 Financial Situation in Bulgaria.
 Mouvement du Commerce Extérieur de la Bulgarie.

CZECHOSLOVAKIA.

Bergwerks-Handbuch.
 Bulletins du Comité des Forges, France.
 Annual Report of the Director of the Mint, United States.
 Commerce Extérieur de la République Tchèque.
 Aperçu Statistique du Commerce Extérieur de la République Tchèque.

DENMARK.

Reports of the International Institute of Agriculture, Rome.
 Danmarks Vareindførsel og -Udførsel.

ESTHONIA.

Department of Overseas Trade Reports on the Industrial and Economic
 Conditions in Esthonia.

FINLAND.

Finlands Handel på Utrikes Orter samt Uppbörderna vid Tullverket.

FRANCE.

Statistique de l'Industrie Minérale en France et en Algérie.
 L'Industrie Minière en Alsace et en Lorraine, 1920-21.
 Département du Bas-Rhin; Situation de l'Industrie Minérale.
 Bulletins du Comité des Forges.
 Reports of the International Institute of Agriculture, Rome.
 Annual Summary of Metal Statistics by the Metallgesellschaft,
 Frankfurt-am-Main.
 Tableau Général du Commerce et de la Navigation de la France, Vol. 1.
 Documents Statistiques du Commerce de la France.

GERMANY.

Statistisches Jahrbuch für das Deutsche Reich.
 Annual Summary of Metal Statistics by the Metallgesellschaft,
 Frankfurt-am-Main.
 Monatliche Nachweise über den auswärtigen Handel Deutschlands.
 Annual Report of the Director of the Mint, United States.
 Bavaria.—United States Geological Survey; Summary of Mineral
 Production in Foreign Countries, 1919 and 1920.

GERMANY (*Cont.*)

Prussia.—Zeitschrift für das Berg- Hütten- und Salinenwesen im Preussischen Staate.

Saxony.—Jahrbuch für das Berg- und Hüttenwesen in Sachsen.

GREECE.

Tableaux Statistiques du Mouvement Minier de la Grèce.

Annual Report of the Director of the Mint, United States.

Bulletin Mensuel du Commerce Spécial de la Grèce avec les Pays Etrangers.

HUNGARY.

Department of Overseas Trade Reports on the Commercial and Industrial Situation of Hungary.

ITALY.

Rivista del Servizio Minerario.

Movimento Commerciale del Regno d' Italia, Part I.

Statistica del Commercio Speciale di Importazione e di Esportazione.

JUGOSLAVIA.

Annual Summary of Metal Statistics by the Metallgesellschaft, Frankfurt-am-Main.

Reports of the International Institute of Agriculture, Rome.

Annual Report of the Director of the Mint, United States.

Statistika Spoljne Trgovine Kraljevine Srba Hrvata i Slovenaca.

LUXEMBURG.

Rapport Général sur la Situation de l'Industrie et du Commerce.

NETHERLANDS.

Jaarverslag van den Hoofdingenieur der Mijnen.

Jaarstatistiek van den In-, Uit-, en Doorvoer, Part I.

NORWAY.

Norges Bergverksdrift.

Norges Handel.

POLAND.

Revue Mensuelle de Statistique.

Annuaire Statistique de la République Polonaise.

Reports of the International Institute of Agriculture, Rome.

Rapports Mensuels du Commerce Etranger.

PORTUGAL.

United States Geological Survey; Mineral Resources of the United States.

Estatistica Comercial; Comercio e Navegação.

RUMANIA.

Statistique Minière de la Roumanie.

Comertul Exterior al Romaniei si Miscarea Porturilor.

RUSSIA.

Annuaire Statistique,
Annual Report of the Director of the Mint, United States.

SPAIN.

Estadística Minera de España.
Resúmenes Mensuales de la Estadística del Comercio Exterior de España.
Estadística General del Comercio Exterior de España.

SWEDEN.

Industri och Bergshandtering Berättelse av Kommerskollegium.
Sveriges Handel.
Statistisk Årsbok för Sverige.

SWITZERLAND.

Rapport sur le Commerce et l'Industrie de la Suisse.
Statistique du Commerce de la Suisse avec l'Étranger.

ALGERIA.

Statistique de l'Industrie Minérale en France et en Algérie.
Annual Report of the Director of the Mint, United States.
Tableau Général du Commerce et de la Navigation de la France,
Vol. I.
Bulletin de la Chambre de Commerce d'Alger.

ANGOLA.

Department of Overseas Trade Report on the Economic Conditions in Angola.

BELGIAN CONGO.

Rapport Annuel.
Annual Report of the Director of the Mint, United States.
Statistique du Commerce Extérieur du Congo Belge.

EGYPT.

Report on the Mineral Industry of Egypt.
Annual Statement of the Foreign Trade of Egypt.
Monthly Statement of the Foreign Trade of Egypt.

FRENCH WEST AFRICA.

Annual Report of the Director of the Mint, United States.

MADAGASCAR.

Bulletin Economique de Madagascar.
Bulletin des Mines.

MOZAMBIQUE.

Annual Report of the Director of the Mint, United States.

TUNIS.

Statistique de l'Industrie Minérale en France et en Algérie.
L'Industrie Minérale en Tunisie.
Documents Statistiques sur le Commerce de la Tunisie.

CENTRAL AMERICA.

Annual Report of the Director of the Mint, United States.

COSTA RICA.

Department of Overseas Trade Reports on the Economic and Financial Situation in the Republics of Panama and Costa Rica.

CUBA.

United States Geological Survey ; Mineral Resources of the United States.

Foreign Commerce and Navigation of the United States.

Comercio Exterior.

DUTCH WEST INDIES.

United States Geological Survey ; Summary of the Mineral Production in Foreign Countries, 1919 and 1920.

GUATEMALA.

Foreign Commerce and Navigation of the United States.

MEXICO.

Department of Overseas Trade Reports on the Economic and Financial Conditions in Mexico.

Foreign Commerce and Navigation of the United States.

UNITED STATES.

United States Geological Survey ; Mineral Resources of the United States.

Reports of the International Institute of Agriculture, Rome.

Foreign Commerce and Navigation of the United States.

Monthly Summary of Foreign Commerce of the United States, Parts I and II.

ARGENTINA.

Department of Overseas Trade Reports on the Economic and Financial Conditions of the Argentine Republic.

United States Geological Survey ; Summary of Mineral Production in Foreign Countries, 1919 and 1920.

Annual Report of the Director of the Mint, United States.

Annual Summary of Metal Statistics by the Metallgesellschaft, Frankfurt-am-Main.

El Comercio Exterior Argentino.

BOLIVIA.

Annual Report of the Director of the Mint, United States.

Comercio Especial de Bolivia.

BRAZIL.

Annual Report of the Director of the Mint, United States.

Foreign Commerce and Navigation of the United States.

Comercio Exterior do Brazil.

CHILE.

- Annual Report of the Director of the Mint, United States.
Anuario Estadístico de la Republica de Chile ; Minería y Metalurgia
and Comercio Exterior.

COLOMBIA.

- Annual Report of the Director of the Mint, United States.

ECUADOR.

- Annual Report of the Director of the Mint, United States.

PERU.

- Estadística Minera.
Estadística del Comercio Especial del Peru.

URUGUAY.

- Anuario Estadístico de la Republica Oriental del Uruguay.

VENEZUELA.

- Department of Overseas Trade Reports on the Economic and Com-
mercial Conditions of Venezuela.
Blue Book of Venezuela.
United States Geological Survey ; Mineral Resources of the United
States.
Annual Report of the Director of the Mint, United States.

ASIA MINOR.

- Annales des Mines, Paris.

CHINA.

- China Year Book.
Foreign Trade of China ; Part I and Part II, Vols. 1 and 2.

DUTCH EAST INDIES.

- Annuaire Statistique du Royaume des Pays-Bas ; Les Colonies.
Jaarboek van het Mijneuzen in Nederlandsch-Oost-Indië.
Department of Overseas Trade Reports on the Economic Situation of
the Netherlands East Indies.
Annual Report of the Director of the Mint, United States.
Year-Book of the American Bureau of Metal Statistics.
Statistiek van den Handel en de In- en Uitvoerrechten in Nederlandsch-
Indië, Parts IIA and IIB.

FORMOSA.

- Agricultural and Commercial Statistics of Japan.
Annual Report of the Director of the Mint, United States.

FRENCH INDO-CHINA.

- Rapport au Conseil de Gouvernement sur le Fonctionnement des
Services de la Direction des Mines, 1920.
Statistique de l'Industrie Minérale en France et en Algérie.
Bulletin Economique de l'Indo-Chine.

FRENCH PACIFIC POSSESSIONS.

Statistique de l'Industrie Minérale en France et en Algérie.
Renseignements Généraux sur le Commerce des Colonies Françaises et
la Navigation.

JAPAN.

Agricultural and Commercial Statistics.
Department of Overseas Trade Reports on the Commercial, Industrial
and Financial Situation in Japan.
Annual Return of the Foreign Trade of the Empire of Japan, Part I.
Monthly Return of the Foreign Trade of the Empire of Japan.

KOREA.

Agricultural and Commercial Statistics of Japan.
Department of Overseas Trade Reports on the Commercial, Industrial
and Financial Situation in Japan.
Annual Report of the Director of the Mint, United States.

KWANTUNG PENINSULA.

Agricultural and Commercial Statistics of Japan.

PERSIA.

Statistique Commerciale de la Perse ; Tableau Général du Commerce
avec les Pays Etrangers.

PHILIPPINE ISLANDS.

Mineral Resources of the Philippine Islands.
Annual Report of the Insular Collector of Customs.

SIAM.

Royal Department of Mines ; Notes on Mining in Siam.
United States Geological Survey ; Summary of Mineral Production in
Foreign Countries, 1919 and 1920.
Year-Book of the American Bureau of Metal Statistics.
The Foreign Trade and Navigation of the Port of Bangkok.

