

MINERAL PRODUCTION OF THE UNITED STATES IN 1897-8.

(PRELIMINARY STATEMENT.)

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Number.	Products.	Customary Measures.	1896.				1897.			
			Quantity.		Value at Place of Production.		Quantity.		Value at Place of Production.	
			Customary Measures.	Metric Tons.	Totals.	Per M. Ton.	Customary Measures.	Metric Tons.	Totals.	Per M. Ton.
NON-METALLIC.										
Abrasive:										
1	Carborundum.....	Sh. T.	595	539	\$365,612	\$30.68	621	563	\$153,812	\$30.27
2	Corundum.....	Sh. T.	250	227	35,000	154.19	230	209	32,200	154.07
3	Crushed steel.....	Sh. T.	326	296	50,624	171.00	324	294	51,824	176.00
4	Diatom. earth.....	Sh. T.	3,540	3,211	34,200	10.65	3,000	2,721	30,400	11.17
5	Emery.....	Sh. T.	1,550	1,406	108,500	77.17	1,500	1,361	105,000	77.15
6	Garnet.....	Sh. T.	2,440	2,214	85,400	38.57	2,260	2,050	79,100	38.57
7	Grindstones.....	Sh. T.	31,301	28,396	294,338	10.36	36,651	33,250	366,675	11.00
8	Pumice.....	Sh. T.	Nil.				1,700	1,542	8,500	5.51
9	Quartz crystal.....	Sh. T.	6,000	5,432	16,500	3.04	6,000	5,432	16,500	3.04
10	Tripoli.....	Sh. T.	1,405	1,275	4,823	3.79	1,631	1,479	5,475	3.70
Whetstones.....										
11	Alum.....	Sh. T.	14,090	12,782	422,700	33.07	15,456	14,021	469,680	33.07
12	Aluminum sulphate.....	Sh. T.	42,240	38,319	1,056,000	27.56	46,355	42,053	1,158,875	27.56
13	Ammonium sulphate.....	Sh. T.	257	233	10,280		3,111	2,822	124,440	
14	Asbestos.....	Sh. T.	716	650	12,670	19.49	770	698	15,400	22.06
15	Asphalt.....	Sh. T.	20,414	18,519	362,590	19.58	27,397	24,854	486,620	19.58
16	Asphaltic limestone.....	Sh. T.	5,000	4,536	55,000	12.12	2,390	2,168	11,450	5.28
17	Bitumin. sandstone.....	Sh. T.	51,956	47,134	132,500	2.81	41,185	37,363	125,555	3.36
18	Barytes.....	Sh. T.	21,900	19,867	87,600	4.41	27,316	24,781	109,264	4.41
19	Bauxite.....	L. T.	17,096	17,369	42,740	2.46	20,590	20,919	41,180	1.97
20	Borax (crude).....	Sh. T.	13,320	12,084	266,400	22.04	19,400	17,599	388,000	22.05
21	Bromine.....	Lb.	559,285	253	143,074	70.57	487,149	221	136,402	70.62
22	Calcium carbide.....	Sh. T.	860	780	48,000	61.54	1,925	1,746	134,750	77.17
23	Cement, nat. hydraul.....	Bbls	7,407,311	1,007,980	4,385,962	4.35	7,781,377	1,058,883	4,127,124	3.90
24	Cement, Portland.....	Bbls	1,577,283	286,181	2,502,479	8.74	2,272,971	412,405	3,578,839	
25	Cement, slag.....	Bbls	Nil.				40,000	6,350	60,000	9.45
26	Chrome ore.....	L. T.	702	713	7,775	10.90	50	51	550	10.78
27	Clay products.....	Sh. T.			65,000,000				960,000,000	
28	Coal, anthracite.....	Sh. T.	48,133,930	42,607,101	86,982,749	2.08	52,645,133	47,759,665	85,857,717	1.79
29	Coal, bituminous.....	Sh. T.	139,468,659	126,525,967	131,401,602	0.89	147,557,599	133,864,599	120,505,982	0.89
30	Coal, cannel.....	Sh. T.	54,661	49,588	146,491	2.95	56,511	51,267	153,145	2.98
31	Coke.....	Sh. T.	10,369,015	9,406,770	17,311,823	1.84	12,742,340	11,563,673	23,967,879	2.02
32	Cobalt oxide.....	Lb.	12,825	5,817	17,314	32.98	19,300	8,754	32,810	37.75
33	Copperas.....	Sh. T.	11,170	10,133	52,662	5.19	11,924	10,818	56,565	5.23
34	Copper sulphate.....	Lb.	48,732,840	22,150	1,953,225	88.18	51,012,945	23,139	2,040,518	
35	Feldspar.....	L. T.	24,907	25,305	124,251	4.91	20,900	21,234	113,773	5.96
36	Fluorspar.....	Sh. T.	6,000	5,432	48,000	8.83	9,025	8,187	74,456	9.09
37	Fullers earth.....	Sh. T.	11,326	10,375	68,476	6.66	17,049	15,467	91,634	5.93
38	Grahamite (cr.).....	Sh. T.	1,282	1,163	38,460	33.07	1,756	1,592	53,680	33.09
39	Graphite, crystalline.....	Lb.	405,006	183,709	18,225	7.10	993,138	450,487	44,691	7.10
40	Graphite, amorphous.....	Sh. T.	574	520	3,850	7.40	1,300	1,090	11,400	10.45
41	Gypsum.....	Sh. T.	136,553	177,405	588,136	3.29	223,061	202,860	717,352	3.52
42	Iron ore.....	L. T.	16,000,056	16,256,057	31,200,889	1.93	18,316,967	18,610,038	31,184,944	1.67
43	Litharge.....	Sh. T.	6,500	5,897	540,300	91.57	9,900	8,981	899,100	100.11
44	Magnesite.....	Sh. T.	2,067	1,875	9,715	5.12	1,907	1,730	7,628	4.41
45	Manganese ore.....	L. T.	162,526	165,126	339,083	2.05	156,787	159,296	332,700	2.09
46	Mica, ground.....	Sh. T.	570	517	9,087	18.73	2,692	2,442	38,218	15.65
47	Mica, sheet.....	Lb.	17,630	7,997	12,528	11.57	92,335	41,883	45,015	11.09
48	Mineral wool.....	Sh. T.	5,853	5,309	61,614	11.60	5,067	5,141	45,494	8.81
49	Monazite.....	Lb.	17,500	8	875	109.37	40,000	18	2,000	111.11
50	Natural gas.....				10,000,000				10,000,000	
51	Paints, metallic.....	Sh. T.	31,865	28,908	342,167	11.15	36,293	32,925	370,594	11.26
52	Paints, ochre, etc.....	Sh. T.	17,835	16,179	178,793	11.05	11,151	10,116	110,165	10.96
53	Paints, venetian red.....	Sh. T.	5,968	5,309	93,596	17.62	4,596	4,169	55,690	10.96
54	Paints, white, red ld.....	Sh. T.	95,955	87,049	7,668,310	90.39	103,235	93,654	9,291,150	99.21
55	Paints, zinc oxide.....	Sh. T.	15,863	14,391	1,189,725	82.07	26,202	23,825	2,700,960	83.18
56	Petroleum (crude).....	Bbls	55,254,785	7,730,425	65,753,206	8.50	56,985,643	7,972,579	44,804,962	5.62
57	Phosphate rock.....	L. T.	937,372	952,370	2,812,116	2.95	906,080	920,577	2,718,240	2.95
58	Precious stones.....				200,000				101,000	
59	Pyrites.....	L. T.	109,282	111,030	292,626	2.63	128,468	130,523	370,699	2.63
60	Salt.....	Bbls	15,707,968	1,995,017	5,328,250	2.67	13,153,524	1,670,592	4,859,364	2.91
61	Silica, sand & quartz.....	L. T.	720,399	731,925	1,076,038	1.47	750,000	762,000	1,125,000	1.48
62	Slate, roofing.....	Sq. ft.	699,100		2,260,892	33.23	895,372		2,605,580	33.01
63	Slate, manufactures.....				467,578				547,645	
64	Soapstone.....	Sh. T.	14,350	13,018	143,500	11.02	18,974	17,213	189,740	10.91
65	Soda, natural.....	Sh. T.	3,000	2,722	65,000	23.88	5,000	4,536	110,000	24.25
66	Soda, manufactured.....	M. T.		157,475	3,621,925	23.00		277,072	5,774,656	20.84
67	Stone, for building.....				30,599,804				30,000,000	
68	Stone, limestone (flux).....	L. T.	3,794,177	3,854,882	1,039,437	0.43	4,247,688	4,315,651	1,868,983	0.43
69	Strontium sulphate.....	Sh. T.	Nil.				40	8	200	5.55
70	Sulphur.....	L. T.	2,400	3,861	72,200	18.70	1,600	1,717	34,814	20.27
71	Sulphuric acid.....	Sh. T.	1,019,501	924,885	17,391,517	18.74	1,128,741	1,023,987	21,446,079	19.19
72	Talc, common.....	Sh. T.	7,098	6,439	63,585	9.87	9,563	8,675	82,795	9.54
73	Talc, fibrous.....	Sh. T.	51,816	47,007	256,080	5.45	58,826	53,376	288,185	5.39
74	Uranium ore.....	Sh. T.	Nil.				17	15	9,010	600.66
75	Zinc ore, exported.....	L. T.	2,324	2,361	47,408	20.08	9,251	9,399	211,350	22.48
76	Est. prod. unspecified.....				5,000,000				5,000,000	
Total non-metals.....						484,999,136			481,692,497	
METALS.										
78	Aluminum.....	Lb.	1,300,000	589,676	\$520,000	\$30.85	4,000,000	1,814,400	\$1,400,000	\$30.77
79	Antimony.....	Lb.	1,226,000	556	84,717	152.37	1,500,000	680	107,250	157.72
80	Copper (m).....	Lb.	479,806,183	217,639	51,003,397	234.35	510,190,719	231,421	56,325,055	243.39
81	Gold.....	Oz. f	2,558,433	79,576	52,886,209	664.60	2,864,576	89,092	59,210,735	664.60
82	Iron, pig.....	L. T.	8,623,127	8,761,097	91,577,610	10.45	9,652,680	9,807,123	92,677,312	9.45
83	Iridium.....	Oz.					20.25		606	
84	Lead, value at N. Y.....	L. T.	174,702	158,479	10,411,643	54.07	197,718	179,368	11,784,093	65.73
85	Nickel.....	Lb.	17,170	77,788	4,464	70.57	33,700	115,286	11,668	70.76
86	Platinum.....	Oz. f	200	66.21	2,900	450.89	200	66.21	3,000	482.39
87	Quicksilver.....	Flks	29,863	1,036	1,104,997	1066.58	26,079	965	991,002	1026.94
88	Silver, comm'l value.....	Oz. f	58,488,810	1,819,208	39,245,992	21.58	56,457,292	1,756,004	33,755,815	19.22
89	Zinc.....	Sh. T.	77,637	70,432	6,117,796	86.86	100,387	91,070	8,271,889	90.83
Total metals.....						252,950,625			264,538,485	
Grand totals.....						727,958,761			746,230,982	

(a) Barrels of 300 lb.; (b) 400 lb.; (c) 200 lb.; (d) 42 gal.; (e) 280 lb. (f) Troy ounces. (g) Flasks of 7½ lb. (h) Bituminous coal includes brown coal and lignite. The anthracite production is the total for Pennsylvania, Arkansas, and Colorado. (i) Estimated. (j) Kilograms or per kilogram. (k) Including bitumen from Texas. (m) The value of the copper production is calculated at 0.25c. per lb. less than the average price of Lake copper at New York. (n) Value per square. (p) Value per cubic foot. (q) This figure is only approximate and will be revised.

Abbreviations: Sh. T., short tons (2,000 lb.); L. T., long tons (2,240 lb.); M. T., metric tons (2,204.6 lb.); Sq. ft., square feet (100 sq. ft. hipped and 144 sq. ft. flat).

capital of over 60,000,000 dols., and the number unlisted exceeds this. Many of those are pure rubbish, and when the public found that out they refused to buy anything. The result was that the good mines could not get working capital any more than the bad ones. This formed, and still forms, although the market for good stocks is now improving, the great opportunity for English capital. Those English concerns (there are two, I think) which have gone in for buying in control of the assets of stranded companies which had good properties, needing only working capital, are in a most enviable position. And it is through the reconstruction on an English basis of properties where the preliminary development has been done by local companies that the English market will get a hold on what is worth having in this wonderful gold district, if it secures anything important at all."

Through the kindness of the publishers, * we are able to reproduce a table showing the mineral production of the United States in 1897, as compiled and arranged for Volume VI. of *The Mineral Industry*, to be issued shortly from the press. As a statistical work *The Mineral Industry* is perhaps the greatest achievement of modern times, and in many instances the statements made therein appear earlier than figures of a statistical character published officially by Government. We anticipate with pleasure the appearance of Volume VI. *The Scientific Publishing Co., 53 Broadway, New York.

It is easy to see from the above that Mr. Bogle is of an closely observant turn of mind. But few have had better opportunities for observing the drift of things in this country than Mr. Bogle, who for many years was a pioneer journalist in Kootenay, and the founder of the *Rossland Miner*, which under his editorial management became one of the most influential papers in the country.

Alaska: Its History, Climate & Natural Resources; with Map & Illustrations. By the Hon A. P. Swineford, Ex-Governor of Alaska. Rand McKally & Co., Chicago and New York.

In reading Mr. Swineford's admirable description of a territory that until recently was thought to be worthless and barren and ice-bound, but which is here shown to be valuable in natural resources, one can only once again bemoan the egregious and irretrievable folly of the British Government in allowing this country, which geographically should form a portion of the Dominion, to pass into the possession of the United States. If it is, however, any