

TABLE OF PRODUCTIONS OF LEAD ORES AND METAL THROUGHOUT THE WORLD.

(Figures of Productions expressed in Tons of 2000 lbs.)

	Australia.		Austria.		Belgium.		Canada.		Chill.		France.		Germany.		Great Britain.		Greece.		Hungary.		Italy.		Japan.		Mexico.		Russia.		Spain.		Sweden.		Turkey.		United States.	
	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.	Ore.	Metal.		
1800-1809.	Av. annual prod'n.																																			
1810-1819.																																				
1820-1829.				6,600 <i>a</i>								960 <i>a</i>																	33,000 <i>a</i>						1,500	
1830-1839.				6,700 <i>a</i>								825 <i>a</i>															740		30,800 <i>a</i>		55 <i>a</i>				12,250	
1840-1849.				7,000 <i>a</i>	2,240	850						860 <i>a</i>	24,241 <i>a</i>	92,830	62,770						250						1,000		30,800 <i>a</i>		45 <i>a</i>				24,700	
1850-1859.			600	7,700 <i>a</i>	7,300	3,000						24,330 <i>a</i>	104,334	75,638												1,300	250,000	33,600 <i>a</i>		200 <i>a</i>				16,880		
1860				8,839	11,063	4,577							27,000 <i>c</i>	99,346	70,811						11,474					1,205	359,292							15,660		
1861				9,348	11,907	5,883							30,000 <i>c</i>	101,546	73,521						17,082						394,168							14,106		
1862				7,770	19,214	8,590						165,643	38,443	106,749	77,195						17,788							305,225						14,200		
1863				7,897	13,482	8,944						178,291	40,534	102,285	76,408				2,323		19,279							341,709						14,800		
1864					18,499	10,616			13			199,085	43,390	105,799	75,131				2,290		11,603							330,419						15,300		
1865					16,161	10,859						189,130	46,865	101,306	75,321				2,028		19,107					1,800	319,338							14,700		
1866					13,730	10,093						185,546	47,372	101,977	75,478				1,951		23,808							329,427						16,100		
1867					13,827	11,596			232			106,237	54,406	104,644	76,644				2,208		31,257	6,710			40,133	1,907	405,413			452				15,200		
1868					16,965	12,546			375			105,056	59,336	106,664	79,539				1,785		34,188	5,118			51,756	1,804	382,115			433				16,400		
1869			9,710	5,930	16,856	11,906			263			111,267	77,013	108,490	82,050				2,233		34,245	4,847			56,666	1,172	355,910			566				17,500		
1870			9,664	5,711	14,752	11,063			252			117,286	70,540	109,857	82,230				1,648		28,994	4,247			38,184	1,818	388,192		13,471	412				17,830		
1871					12,722	10,239			558			106,798	62,935	105,241	77,321				2,163		24,745	4,686			39,132	1,926	471,087	101,452	13,201	98				20,000		
1872					13,097	7,205			201			103,691	63,873	91,352	67,670				2,150		28,353	5,053			34,042	1,334	448,395	111,960	10,563	56				25,880		
1873			6,342	6,078	12,436	7,042			838		10,878	111,584	70,401	82,320	60,897				1,752		25,153	5,552			34,006	1,096	281,081	109,935	10,860	28				42,540		
1874			7,240	6,906	12,011	8,842					11,516	114,761	73,153	86,017	65,830				1,804		29,746	4,852	207 <i>e</i>		37,791	1,366	371,444	117,153	13,452	60				52,080		
1875			7,484	7,183	11,760	8,224			306		9,623	125,480	76,336	87,076	64,325				2,089		33,706	6,635	207 <i>f</i>		28,519	1,194	372,710	131,808	12,270	60				59,540		
1876			8,448	7,476	13,696	8,021			176		10,254	131,866	82,427	88,588	65,694	8,825 <i>b</i>		2,625		35,649	5,270				37,833	1,288	418,496	140,573	10,387	50	297			64,070		
1877			10,364	8,948	12,726	8,548		1,339			12,084	162,085	87,863	90,552	68,871			2,538		40,693	6,812	302 <i>g</i>			1,548	374,726	89,109	9,822	38				81,900			
1878			11,406	9,311	14,859	8,976		641			11,103	167,309	92,083	86,632	64,985			2,275		40,256	9,602	335 <i>g</i>			1,535	374,112	93,761	9,942	50				91,360			
1879			12,073	9,418	10,346	8,788					12,637	164,333	94,858	74,093	46,631			2,329		45,536	9,644	237 <i>g</i>			1,496	379,338	99,346	15,168	50				92,780			
1880			11,843	9,390	5,980	9,045		126			15,204	7,130	176,126	93,198	80,914	64,226			2,283		40,962	11,869	293 <i>g</i>			1,263	353,725	88,212	14,322	217	297			97,825		
1881			14,930	9,683	3,124	8,435		303			13,568	7,804	131,665	99,603	72,476	54,417	13,111		2,393		43,536	12,968		287		1,087	405,292	99,969	12,964	421	551			117,085		
1882			16,279	12,252	3,209	9,708		24			14,842	8,975	195,872	105,994	72,801	61,447	7,326		2,038		52,871	14,484		259		36,600	632	401,481	97,397	15,127	268	827		132,890		
1883			17,213	12,287	1,928	9,251		36			16,063	8,616	187,160	104,702	63,300	66,000*	10,598		2,455		50,845	14,940		323	16,400*	31,400	599	335,842	109,495	15,385	99	650		143,957		
1884		550	17,574	13,353	1,969	8,546		63			12,852	7,624	179,459	108,867	61,056	66,000*	9,900*		2,154		52,245	16,538		262	16,400*	32,000	698	393,826	91,846	17,557	401			139,897		
1885		2,200	14,863	12,315	1,432	9,544					13,279	5,386	167,431	106,045	57,478	66,000	9,900*		4,555		46,013	17,046		100	19,290	33,600	787	315,097	97,591	16,385	296			129,412		
1886		5,500	15,128	11,593	1,424	9,553		7			16,176	4,385	173,765	105,426	59,863	56,060*	11,000*		2,674		43,741	21,508		100	17,600		856	402,917	116,693	15,338	217			135,629		
1887		11,000	16,753	11,020	604	11,074		103			19,224	6,638	173,705	108,465	57,782	55,000*	1,781	13,782		2,166		42,255	19,840		262	19,930	41,900	1,088	532,976	205,816	17,217	311			160,700	
1888		20,000	12,816	11,192	456	16,937		337			21,402	7,176	178,357	110,972	57,441	55,000*	2,889	16,034		2,316		38,673	19,272		429	33,186	41,300	869	595,266	258,930	11,775	315			180,555	
1889		38,600	14,141	11,091	214	10,387		80	832		23,479	5,943	186,956	114,376	54,311	52,700	1,466	14,947		2,799		40,567	20,027		439		31,312		625	544,427	194,952	18,387	280			182,967
1890		44,600	12,378	10,834	165	10,603		55																												

AUSTRALIA.—Mainly from New South Wales. Mining began about 1833. Figures are from Statistische Zusammenstellungen von Blei, Kupfer, Zink und Zinn, and are not entirely complete. . . . AUSTRIA.—Mining carried on during the Middle ages. These productions from the Mineral Industry agree closely with those given by Fuchs and DeLaunay [91]. . . . BELGIUM.—Lead mining carried on since the 12th century; mines now nearly exhausted. . . . CANADA.—Little or no mining before 1880. . . . CHILI.—Figures are exports, and do not include local consumption. . . . FRANCE.—Mining prosecuted by the Romans and at intervals since. Productions are from the Mineral Industry and agree with those of Fuchs and DeLaunay. . . . GERMANY.—Mining prosecuted vigorously since the 12th or 13th century. *a*, Whitney [234]; *c*, U. S. Mineral Industry, 1883; *d*, figures incomplete. . . . GREAT BRITAIN.—Mines worked since the Roman invasion and probably before. Statistics from Hunt [116] and represent ores mined and metal contents to 1882. After this, total ore mined from the Mineral Industry, Vol. II, and total metal smelted from the Statistische Zusammenstellung, etc. [212]. . . . GREECE.—About 2,100,000 tons metal produced in the 5th and 6th centuries B. C. Since beginning of the Christian era to 1864 no mining. Since then to 1886, few statistics. *b*, Hague [94]. . . . HUNGARY.—Mining carried on since the Middle ages. . . . ITALY.—Mines worked by Carthaginians and Romans; recently but little until 1850. . . . JAPAN.—But little mining done. *e*, Monroe [148]; *f*, Phillips [165]; *g*, Rein [187]. . . . MEXICO.—Silver mining since 1500; most lead mining since 1873. . . . RUSSIA.—Mining dates back to very early times, but production until about 1850 very light. Production of ore and metal, 1867 to 1876, from Hague [94]; Ores, 1882 to 1891, Fuchs and DeLaunay. . . . SPAIN.—Mining dates from time of Phœnicians. Figures of production of ores include silver-lead ores. . . . SWEDEN.—Mines worked before the 12th century. . . . TURKEY.—Some dilaatory mining carried on. Statistics from U. S. Mineral Resources, 1885. . . . UNITED STATES.—Production previous to 1888 from U. S. Mineral Resources; 1889, 11th Census; 1890-93, the Mineral Industry.

When not otherwise noted, productions are from the Mineral Industry.—*Estimated.