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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

DOMINION BUREAU  
OF STATISTICS

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MONTHLY REPORT

SILVER, LEAD AND ZINC PRODUCTION IN CANADA - DECEMBER, 1937.

SILVER - Silver production in Canada during December was recorded at 1,366,034 ounces, according to a report just issued by the Dominion Bureau of Statistics at Ottawa. In November 1,615,990 ounces were produced while in December, 1936, the output amounted to 1,847,308 ounces. During the calendar year 1937 Canada produced 22,763,099 ounces of silver or 24.2 per cent above the output a year ago.

The average price of silver on the New York market (Handy & Harman) was 44.769 cents per ounce, in Canadian funds; based on this price the computed value of the Canadian output during the month was \$611,560. In November silver averaged 44.714 cents per ounce and the estimated value of the month's production was \$722,574.

Exports of silver bullion from Canada in December totalled 1,083,980 ounces; in the preceding month 1,475,051 ounces were exported. Silver in ore, concentrates, etc., exported in December declined to 186,117 ounces from the November total of 612,937 ounces.

Imports of silver bullion into Canada in December were considerably lower than in the preceding month; the totals were 63,794 ounces worth \$26,626 and 134,570 ounces at \$57,004, respectively. Silver bullion importations during the calendar year aggregated 1,987,082 ounces appraised at \$870,383.

The United States produced 5,693,000 ounces of silver in December; in the preceding month 6,682,000 ounces were produced and during the calendar year the output totalled 69,315,000 ounces. Stocks on hand on December 31st were recorded at 1,523,000 ounces; this represented an increase of 473,000 ounces over the silver on hand at the beginning of the year. The Peruvian production in December was estimated at 1,400,000 ounces and for the year at 16,640,000 ounces. Australia's output of refined silver amounted to 871,000 ounces in December; during the twelve months just closed 9,306,000 ounces were produced.

The Metal and Mineral Markets states that a proclamation signed by the President of the United States on December 30, 1937, fixes the price to be paid for newly mined domestic silver throughout 1938 at 64.64 cents per fine ounce. Under the proclamation signed on April 24, 1935, which expired on the last day of 1937, the price paid by the Government on domestic silver was 77.57 cents per ounce.

The latest proclamation sets forth the amount of deduction for seigniorage, brassage, coinage and other mint charges from the monetary value of silver (\$1.2929 plus per fine ounce), which has been mined on or after January 1, 1938, shall be 50 per cent of such monetary value. Payment for the silver is to be made in standard silver collars, silver certificates, or any other coin or currency of the United States.





## PRODUCTION OF SILVER IN CANADA

Month	1937(a)	1936	1935
	Ounces	Ounces	Ounces
January .....	1,390,476	1,217,111	1,265,225
February .....	1,322,833	1,240,733	1,025,258
March .....	1,658,546	1,469,442	1,289,011
April .....	1,488,350	1,467,925	1,025,273
May .....	1,352,530	1,422,856	1,665,133
June .....	2,379,448	1,667,607	1,524,740
July .....	2,767,983	1,811,959	1,183,820
August .....	3,129,097	1,567,358	1,630,399
September .....	2,357,798	1,352,420	1,347,904
October .....	1,933,964	1,593,017	1,323,659
November .....	1,615,990	1,676,751	1,616,355
December .....	1,366,034	1,847,303	1,721,781
TOTAL - CALENDAR YEAR .....	22,763,099	18,334,487	16,618,558

(a) Subject to revision.

## PRODUCTION OF SILVER IN CANADA DURING 1937, BY MONTHS

Month	OUTPUT(x)	Average value per ounce in Canadian funds	TOTAL VALUE(x)
	Ounces	cents	\$
January .....	1,390,476	44.9262	624,688
February .....	1,322,833	44.7594	592,092
March .....	1,658,546	45.1202	748,339
April .....	1,488,350	45.1397	675,666
May .....	1,352,580	44.961	608,133
June .....	2,379,448	44.839	1,066,921
July .....	2,767,983	44.808	1,240,278
August .....	3,129,097	44.754	1,400,396
September .....	2,357,798	44.752	1,055,162
October .....	1,933,964	44.740	865,255
November .....	1,615,990	44.714	722,574
December .....	1,366,034	44.769	611,560
TOTAL - CALENDAR YEAR .....	22,763,099	-	10,211,064

(x) Subject to revision.

## IMPORTS OF SILVER BULLION INTO GREAT BRITAIN DURING DECEMBER, 1937.

	UNREFINED		REFINED	
	Troy ounces	£	Troy ounces	£
Australia .....	...	...	2,153,646	187,583
New Zealand .....	...	...	41,282	3,709
Germany .....	...	...	124,330	9,633
Belgium .....	155,747	15,800	437,700	38,140
France .....	...	...	230,477	20,512
Japan .....	...	...	263,836	22,487
Other Foreign countries .....	17,222	3,449	266,057	23,400
TOTAL .....	172,969	19,249	3,547,378	305,464

## IMPORTS OF SILVER BULLION INTO GREAT BRITAIN DURING THE CALENDAR YEAR 1937

	UNREFINED		REFINED	
	Troy ounces	£	Troy ounces	£
Union of South Africa .....	4,481	274	68,396	5,489
British India .....	652,752	67,287	1,312,441	120,028
British Malaya .....	...	...	111,227	9,889
Hong Kong .....	31,348	2,344	3,546,225	293,670
Australia .....	...	...	2,922,894	255,778
New Zealand .....	...	...	398,929	36,597
Canada .....	1,000	79	2,885,438	257,390
Other British countries .....	19,835	1,319	...	...
Germany .....	...	...	3,033,847	262,465
Netherlands .....	...	...	2,211,460	201,163
Belgium .....	1,708,218	194,790	3,259,320	297,555
France .....	...	...	1,535,402	133,566
Japan .....	1,182,181	92,687	10,211,537	930,224
United States .....	71,166	6,526	397,273	36,099
Argentine Republic .....	...	...	458,150	41,611
Other Foreign countries .....	154,931	30,742	13,229,849	1,200,308
TOTAL .....	3,825,912	396,548	45,597,838	4,081,832





LEAD - Canada produced 26,373,673 pounds of lead in December; during the preceding month 33,824,605 pounds were produced while in December, 1936, the output was 40,373,432 pounds. During the calendar year 1937 the Canadian lead production aggregated 414,195,898 pounds or 8.1 per cent above the 1936 total.

Lead quotations on the London market in December averaged 3.540 cents per pound, in Canadian funds; valued at this price Canada's output during the month was worth \$933,628. The November average price was 3.703 cents per pound and the value of the month's production in Canada was computed at \$1,252,525.

Canada exported pig lead to a total of 23,617,400 pounds in December as compared with 29,895,900 pounds in November; during the calendar year 353,139,600 pounds were exported. Lead in ore, concentrates, etc., exported during the month amounted to 72,200 pounds while during the twelve-months period 16,529,600 pounds were exported.

The refined lead production of the world was estimated at 165,665 tons in December compared with 172,049 tons in the preceding month. Production during the year just closed totalled 1,889,793 tons or 14.8 per cent above the tonnage produced in 1936.

Production in the United States during December was recorded at 47,423 tons; in November, 42,892 tons were produced. Stocks on December 31st amounted to 129,131 tons, an increase of 15,558 tons during the month but a decline of 42,725 tons from the quantity on hand on January 1st, 1937.

The United States Bureau of Mines reports that the lead industry in that country during 1937 recorded continued improvement over recent years in regard to production, consumption, price and stocks. The improvement was concentrated in the early part of the year, however, in the final quarter shipments and prices fell sharply and stocks of refined lead resumed an upward trend for the first time since June, 1936. Refined lead production (from domestic ores) in 1937 was 12 per cent above the output for 1936 and, from foreign ores, was more than double that of the preceding year. The apparent consumption of new lead in 1937 was 16 per cent greater than in 1936.

#### PRODUCTION OF LEAD IN CANADA

Month	1937(a)	1936	1935
	Pounds	Pounds	Pounds
January .....	34,112,307	28,105,650	22,801,153
February .....	28,504,743	27,149,114	27,533,488
March .....	35,207,467	31,224,840	31,750,104
April .....	35,154,985	33,670,727	24,952,047
May .....	34,133,050	32,047,660	26,929,409
June .....	33,276,801	28,523,448	27,509,446
July .....	31,321,744	32,324,511	29,269,276
August .....	40,590,985	33,937,026	26,620,501
September .....	40,875,577	29,128,356	26,471,867
October .....	40,769,961	28,260,128	32,936,982
November .....	33,824,605	38,316,019	32,545,947
December .....	26,373,673	40,373,432	29,734,859
TOTAL - CALENDAR YEAR .....	414,195,898	383,180,909	339,105,079

(a) Subject to revision.

#### PRODUCTION OF LEAD IN CANADA DURING 1937, BY MONTHS

Month	OUTPUT(x)	Average value per pound in Canadian funds	TOTAL VALUE(x)
	Pounds	cents	\$
January .....	34,112,307	5.97738	2,039,022
February .....	28,504,743	6.18926	1,764,233
March .....	35,207,467	7.19941	2,534,730
April .....	35,154,985	5.457	1,918,408
May .....	34,133,050	5.275	1,803,156
June .....	33,276,801	5.043	1,678,149
July .....	31,321,744	5.309	1,662,871
August .....	40,590,985	5.02	2,037,667
September .....	40,875,577	4.623	1,889,678
October .....	40,769,961	4.029	1,642,622
November .....	33,824,605	3.703	1,252,525
December .....	26,373,673	3.540	933,628
TOTAL - CALENDAR YEAR .....	414,195,898	-	21,156,689

(x) Subject to revision.





IMPORTS OF LEAD(x) INTO GREAT BRITAIN DURING NOVEMBER AND DECEMBER, 1937, and the  
CALENDAR YEAR 1937.

	NOVEMBER, 1937		DECEMBER, 1937		CALENDAR YEAR 1937	
	Pounds	£	Pounds	£	Pounds	£
From -						
British India	14,674,240	116,262	10,304,000	76,023	111,484,800	1,149,149
Australia ...	48,796,160	365,232	61,577,600	452,118	403,484,480	4,130,236
Canada .....	17,091,200	142,769	20,932,800	165,297	213,102,400	2,345,181
Other British countries ..	...	...	...	...	315,340	2,974
United States	...	...	2,576,000	19,163	5,040,000	45,425
Mexico .....	4,816,000	39,842	3,176,000	61,162	99,536,640	1,069,977
Other Foreign countries ..	174,720	1,468	376,320	2,762	2,042,880	19,783
TOTAL .....	85,552,320	635,573	103,942,720	776,525	835,007,040	8,762,725

(x) Unwrought lead in pigs, ingots, blocks, bars, slabs and cakes.

ZINC - Canadian producers reported an output of 30,792,798 pounds of zinc in December; during the previous month, 30,596,302 pounds were produced and in December, 1936, the output was 21,319,075 pounds. Production during the calendar year aggregated 378,366,207 pounds or an increase of 13.6 per cent over the 1936 total.

Zinc quotations on the London market averaged 3.404 cents per pound, in Canadian funds; at this price the Canadian production during the month was worth \$1,048,187. During November the computed value of Canadian output was \$1,070,259 based on the average price for zinc of 3.498 cents per pound, in Canadian funds.

Customs' records show that Canada exported 23,669,100 pounds of zinc spelter in December and 238,373,000 pounds during the calendar year 1937. Zinc in ore, concentrates, etc., exported in December were recorded at 577,700 pounds; during the past year, 65,695,800 pounds of zinc were exported in this form.

The American Bureau of Metal Statistics estimates the world output of zinc in December at 161,606 tons as against 157,350 tons in November. During the calendar year, 1,849,367 tons were produced or 12.1 per cent above the 1936 total.

Zinc production in the United States advanced to 51,787 tons, or a daily rate of 1,671 tons, in December from the preceding month's total of 49,393 tons or 1,646 tons per day. Shipments during the month totalled 29,545 tons, as a result, stocks increased 22,242 tons to 64,776 tons on December 31st. This increase consisted of 8,273 tons of common grades and 13,966 tons of High Grade. Unfilled orders at the close of the year aggregated 48,330 tons compared with 61,151 tons on November 30th.

PRODUCTION OF ZINC IN CANADA

Month	1937(a)	1936	1935
	Pounds	Pounds	Pounds
January .....	19,782,526	27,415,869	24,927,726
February .....	20,547,397	20,701,384	20,679,256
March .....	31,437,089	26,316,915	27,021,993
April .....	33,121,107	23,751,010	23,688,134
May .....	31,649,474	29,663,548	27,476,119
June .....	35,165,425	30,022,201	28,254,101
July .....	36,498,712	34,794,466	27,658,014
August .....	39,849,770	33,544,390	28,930,131
September .....	30,769,562	31,169,138	27,125,462
October .....	38,156,045	31,724,463	27,575,751
November .....	30,596,302	22,779,772	28,911,026
December .....	30,792,798	21,319,075	28,402,146
TOTAL - CALENDAR YEAR .....	378,366,207	333,132,736	320,649,859

(a) Subject to revision.





PRODUCTION OF ZINC IN CANADA DURING 1937, BY MONTHS

Month	OUTPUT(x) Pounds	Average value per pound in Canadian funds	TOTAL VALUE(x) \$
		cents	
January .....	19,782,526	4.63629	917,175
February .....	20,547,397	5.49056	1,128,167
March .....	31,437,089	7.23444	2,274,297
April .....	33,121,107	5.746	1,903,139
May .....	31,649,474	5.0697	1,604,533
June .....	35,165,425	4.714	1,657,698
July .....	36,498,712	5.003	1,827,855
August .....	39,849,770	5.361	2,136,346
September .....	30,769,562	4.710	1,449,246
October .....	38,156,045	3.905	1,489,994
November .....	30,596,302	3.498	1,070,259
December .....	30,792,798	3.404	1,048,187
TOTAL - CALENDAR YEAR .....	378,366,207	-	18,506,896

(x) Subject to revision.

IMPORTS OF ZINC(x) INTO GREAT BRITAIN DURING NOVEMBER AND DECEMBER, 1937, and the  
CALENDAR YEAR 1937.

	NOVEMBER, 1937		DECEMBER, 1937		CALENDAR YEAR 1937	
	Pounds	£	Pounds	£	Pounds	£
From -						
Australia .....	3,584,000	29,978	3,225,600	25,054	29,993,600	316,864
Canada .....	15,337,280	148,429	16,414,720	136,140	171,454,080	1,837,490
Other British countries .....	2,027,200	21,979	575,440	4,917	27,072,640	309,313
Germany .....	78,400	654	...	...	5,156,480	56,985
Belgium .....	12,221,440	93,693	11,309,760	81,814	127,420,160	1,294,955
United States ..	...	...	224,000	1,536	226,240	1,577
Other Foreign countries .....	2,029,920	24,078	2,412,480	18,658	34,397,440	351,263
TOTAL .....	36,178,240	318,811	34,160,000	268,119	395,720,640	4,168,447

(x) Unwrought zinc in ingots, blocks, bars, slabs and cakes.

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