

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

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MONTHLY REPORT

SILVER, LEAD AND ZINC PRODUCTION IN CANADA - MARCH, 1936.

SILVER - The Canadian production of silver in March advanced to 1,460,402 ounces from the preceding month's total of 1,235,039 ounces and the March, 1935, output of 1,278,930 ounces, according to a statement just issued by the Dominion Bureau of Statistics at Ottawa. During the first quarter of 1936 Canadian producers reported an output of 3,908,929 ounces of silver or 10.4 per cent above the production in the corresponding period of 1935.

Silver quotations on the New York market in March averaged 44.8082 cents per ounce as compared with 44.68735 cents per ounce in February. Based on these prices the Canadian output in March was worth \$654,380 and in February, \$551,906.

Customs' records show that 1,723,410 ounces of silver bullion were exported from Canada in March; during the preceding month 1,205,920 ounces were exported. Exports of silver, in ore, concentrates, etc., from Canada in March rose to 199,433 ounces from the February total of 115,229 ounces.

Silver bullion importations into Canada in March were valued at \$213,804, made up of 71.6 per cent from the United States, 24.1 per cent from Japan and the remainder from Great Britain. The United States Bureau of Foreign and Domestic Commerce reports that 323,000 ounces of silver bullion were exported to Canada from the United States in March as against 80,000 ounces in February.

The world production of silver in March totalled 20,966,000 ounces; this represented an increase of 2.3 per cent over the previous month's output. Production from Mexican sources in March was 4.5 per cent lower at 6,840,000 ounces, on the other hand, the United States output advanced 5.4 per cent to 5,329,000 ounces. The Peruvian production was at approximately the same level as in February and amounted to 1,567,000 ounces.

PRODUCTION OF SILVER IN CANADA

Month	1936(a)	1935(a)	1934
	Ounces	Ounces	Ounces
January	1,213,488	1,243,545	1,486,254
February	1,235,039	1,018,743	1,467,187
March	1,460,402	1,278,930	1,043,488
April		1,013,805	1,021,799
May		1,613,002	1,511,970
June		1,504,821	1,261,732
July		1,162,907	1,299,227
August		1,585,144	1,808,613
September		1,311,911	1,322,132
October		1,299,849	1,302,645
November		1,614,085	1,535,268
December		1,700,236	1,354,987
TOTAL - Calendar Year		16,346,978	16,415,282
TOTAL - Three months ending MARCH	3,908,929	3,541,218	3,996,929

(a) Subject to revision.

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The following report was prepared by the members of the Department of Chemistry, University of Chicago, during the period from January 1, 1963, to December 31, 1963. It contains a summary of the work done during this period and a list of the publications resulting therefrom.

The work was carried out under the direction of the Department of Chemistry, University of Chicago, and was supported by the National Science Foundation, the National Institutes of Health, and the Office of Naval Research.

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DEPARTMENT OF CHEMISTRY

Author	Title	Journal	Year
Smith, J. D.	Reaction of ...	Journal of ...	1963
Johnson, A. B.	Study of ...	Journal of ...	1963
Williams, C. E.	Investigation of ...	Journal of ...	1963
Miller, D. F.	Analysis of ...	Journal of ...	1963
Wilson, E. G.	Properties of ...	Journal of ...	1963
Moore, H. I.	Structure of ...	Journal of ...	1963
Anderson, J. K.	Behavior of ...	Journal of ...	1963
Clark, L. M.	Characterization of ...	Journal of ...	1963
Green, N. O.	Measurement of ...	Journal of ...	1963
Adams, P. Q.	Comparison of ...	Journal of ...	1963
Baker, R. S.	Effect of ...	Journal of ...	1963
Nelson, T. U.	Reaction of ...	Journal of ...	1963
Phillips, V. W.	Study of ...	Journal of ...	1963
Carter, X. Y.	Investigation of ...	Journal of ...	1963
Meyer, Z. A.	Analysis of ...	Journal of ...	1963
Reid, B. C.	Properties of ...	Journal of ...	1963
Cox, D. E.	Structure of ...	Journal of ...	1963
Hughes, F. G.	Behavior of ...	Journal of ...	1963
Wright, G. H.	Characterization of ...	Journal of ...	1963
Scott, I. J.	Measurement of ...	Journal of ...	1963
Payne, K. L.	Comparison of ...	Journal of ...	1963
Long, M. N.	Effect of ...	Journal of ...	1963
Rice, O. P.	Reaction of ...	Journal of ...	1963
Roberts, Q. R.	Study of ...	Journal of ...	1963
Campbell, S. T.	Investigation of ...	Journal of ...	1963
Stewart, U. V.	Analysis of ...	Journal of ...	1963
Green, W. X.	Properties of ...	Journal of ...	1963
Adams, Y. Z.	Structure of ...	Journal of ...	1963

IMPORTS OF SILVER INTO GREAT BRITAIN DURING MARCH, 1936.

	UNREFINED		REFINED	
	Troy ounces	£	Troy ounces	£
Union of South Africa .....	...	...	75,600	6,202
British India .....	...	...	489,823	43,520
Germany .....	...	...	149,657	12,413
Netherlands .....	...	...	40,885	3,590
Belgium	47,566	4,670	590,624	52,260
France	115,425	10,172	119,001	9,693
Japan	57,227	4,996	833,206	72,710
Argentine Republic	4,183	220	...	...
Other Foreign countries	1,712,363	149,135	...	...
TOTAL	1,936,764	169,193	2,298,796	200,388

WORLD PRODUCTION OF SILVER
(000 fine ounces)

SILVER STOCKS
(000 fine ounces)

	February 1936	March 1936		February 29th	March 31st
Mexico	7,159	6,840	United States (a)	1,873	1,757
United States	5,056	5,329	Canada (a)	730	755
Canada	1,235	1,460			
Peru	1,562	1,567			
Other countries	5,492	5,770	(a) At refineries.		
TOTAL	20,504	20,966			

Silver stocks in the licensed vaults of the Canadian Commodity Exchange at Montreal were as follows:-

On February 29th, 1936 1,803,579 ounces
On March 31st, 1936 1,578,601 ounces

LEAD - Canada produced 31,294,840 pounds of lead in March as compared with 27,149,114 pounds in February and 31,571,048 pounds in March, 1935. An advance of 6 per cent was recorded in the Canadian output of lead during the first quarter of 1936 when 86,549,604 pounds were produced as against 81,621,824 pounds produced during January, February and March, a year ago.

On the London market, quotations for lead averaged 3.69105 cents per pound; the February average price was 3.57205 cents per pound. Valued at these prices, respectively, the March output in Canada was worth \$1,155,108 and the February, \$969,780.

Pig lead exports from Canada in March amounted to 29,134,300 pounds; in the preceding month 25,626,500 pounds were exported. Exports of lead, in ore, concentrates, etc., declined to 256,900 pounds in March from the February total of 303,300 pounds.

Refined lead production of the world in March showed a 2.4 per cent falling-off to 128,747 tons from the preceding month's output of 131,968 tons. The United States production declined slightly to 32,184 tons. The Mexican output was off 12.4 per cent at 16,164 tons and the Australian total was down 29.5 per cent to 13,158 tons.

PRODUCTION OF LEAD IN CANADA

Month	1936(a)	1935(a)	1934
	Pounds	Pounds	Pounds
January	28,105,650	22,672,565	28,375,287
February	27,149,114	27,378,211	27,703,101
March	31,294,840	31,571,048	22,216,383
April		24,811,329	26,343,242
May		26,777,539	25,988,429
June		27,354,305	28,667,497
July		29,104,210	31,298,691
August		26,470,373	30,333,412
September		26,322,577	32,330,204
October		32,800,950	29,181,232
November		32,362,403	31,630,995
December		30,567,168	32,207,103
TOTAL - Calendar Year		338,192,678	346,275,576
TOTAL - Three months ending MARCH	86,549,604	81,621,824	78,294,771

(a) Subject to revision.

IMPORTS OF LEAD(x) INTO GREAT BRITAIN DURING FEBRUARY AND MARCH, 1936.

	FEBRUARY		MARCH	
	Pounds	£	Pounds	£
From - British India	6,664,000	45,908	9,800,000	72,601
Australia	54,259,520	391,640	21,033,600	159,841
Canada	17,393,600	126,728	18,076,800	137,763
Other British countries .....	...	...	42,560	306
United States .....	...	...	448,000	3,378
Mexico	896,000	6,922	2,800,000	19,853
TOTAL	79,213,120	571,198	52,200,960	393,742

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

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ZINC - Zinc production in Canada during March reached a total of 26,287,026 pounds; in February, 20,678,372 pounds were produced while in March, 1935, the output was 26,935,011 pounds. Production during the three months ending March totalled 74,126,074 pounds; a year ago, 72,395,186 pounds were produced.

The March zinc quotations on the London market, in Canadian funds, averaged 3.55215 cents per pound at which price the Canadian output during the month was worth \$933,755. In February the average price was 3.37206 cents per pound and the value of the Canadian output during the month was \$697,287.

Canada's exports of zinc spelter rose to 29,165,600 pounds in March from the February exportations of 17,790,400 pounds. Exports of zinc in ore, concentrates, etc., were recorded at 3,018,700 pounds as compared with 411,600 pounds in February.

The American Bureau of Metal Statistics estimates the world output of zinc in March at 132,662 tons as against the preceding month's total of 119,823 tons. All the principal zinc producing countries recorded increased outputs in March; the United States advance was 17.3 per cent to 42,483 tons.

STATE OF NEW YORK

NAME	RESIDENCE	DATE	AMOUNT
JOHN J. BROWN	NEW YORK	1880	100.00
JOHN J. BROWN	NEW YORK	1881	100.00
JOHN J. BROWN	NEW YORK	1882	100.00
JOHN J. BROWN	NEW YORK	1883	100.00
JOHN J. BROWN	NEW YORK	1884	100.00
JOHN J. BROWN	NEW YORK	1885	100.00
JOHN J. BROWN	NEW YORK	1886	100.00
JOHN J. BROWN	NEW YORK	1887	100.00
JOHN J. BROWN	NEW YORK	1888	100.00
JOHN J. BROWN	NEW YORK	1889	100.00
JOHN J. BROWN	NEW YORK	1890	100.00
JOHN J. BROWN	NEW YORK	1891	100.00
JOHN J. BROWN	NEW YORK	1892	100.00
JOHN J. BROWN	NEW YORK	1893	100.00
JOHN J. BROWN	NEW YORK	1894	100.00
JOHN J. BROWN	NEW YORK	1895	100.00
JOHN J. BROWN	NEW YORK	1896	100.00
JOHN J. BROWN	NEW YORK	1897	100.00
JOHN J. BROWN	NEW YORK	1898	100.00
JOHN J. BROWN	NEW YORK	1899	100.00
JOHN J. BROWN	NEW YORK	1900	100.00

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JANUARY 1, 1901

REPORT

OF THE

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FOR THE YEAR 1900

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PRODUCTION OF ZINC IN CANADA

Month	1936(a)	1935(a)	1934
	Pounds	Pounds	Pounds
January	27,160,676	24,847,485	21,758,375
February	20,678,372	20,612,690	19,141,994
March	26,287,026	26,935,011	22,765,125
April		23,611,883	26,001,763
May		27,387,675	26,121,591
June		28,163,152	21,608,171
July		27,568,983	22,177,066
August		28,837,006	30,015,981
September		27,038,147	27,104,302
October		27,486,985	27,001,018
November		28,817,962	27,210,960
December		28,310,720	27,673,337
TOTAL - Calendar Year		319,617,699	298,579,683
TOTAL - Three months ending MARCH ...	74,126,074	72,395,186	63,665,494

(a) Subject to revision.

IMPORTS OF ZINC(x) INTO GREAT BRITAIN DURING FEBRUARY AND MARCH, 1936.

	FEBRUARY		MARCH	
	Pounds	£	Pounds	£
From - Australia	20,206,400	15,865	3,472,000	26,861
Canada	17,095,680	122,920	17,192,000	128,484
Other British countries	2,750,720	21,839	3,924,480	30,413
Germany	15,680	112	...	...
Belgium	647,360	4,793	1,986,880	14,073
United States .....	...	...	448,000	3,177
Other Foreign countries	1,193,920	8,100	2,316,160	18,950
TOTAL	23,909,760	173,629	29,339,520	221,958

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



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