

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

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IRON OXIDES (OCHRE) - 1935.

According to finally revised statistics issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics, Ottawa, the production in Canada of ochreous iron oxide, crude and refined, during 1935, totalled 5,516 short tons valued at \$77,075, as compared with 4,959 short tons worth \$66,166 in 1934. The province of Quebec produced 97.1 per cent of the 1935 tonnage, the balance coming from British Columbia. During the first six months of 1936 the Canadian production totalled 1,548 tons valued at \$21,395 as compared with 2,072 tons at \$31,443 for the corresponding period of the preceding year.

Employment in the industry during 1935 remained at the same level as in 1934, however, salaries and wages distributed showed a slight increase to \$26,748 from the 1934 total of \$24,980.

The mineral during 1935 was produced in Quebec at Almaville, Lavolette County; at La Pointe du Lac and Red Mill, Champlain County. Shipments of both crude and refined material were made; processing of refined ochres in Quebec included dehydration, calcining, milling and air flotation.

In British Columbia shipments of iron oxide or ochre were made during 1935 from deposits located in the Windermere district and from near Mons.

Canadian output of natural ochres is utilized chiefly for the purification of heating and illuminating gas and in the manufacture of paints.

The Department of Mines, Ottawa, reports that should the demand for ochres increase, there are other prospective deposits which could be drawn upon; two of these are located in Saguenay County, Quebec, in the townships of Therville and Bergeronnes, respectively; a deposit in Lynch township, Quebec, has been a producer in the past. There are numerous occurrences of ochres and iron oxides in Quebec and Ontario, and some of these might be utilized, should the market demand warrant their development. In Nova Scotia there are various beds of ochres and umbers which have been worked to some extent in the past, while deposits of ochres are also known to occur in Manitoba, Saskatchewan, Alberta and British Columbia.

Imports of ochres, ochre earths, siennas and umbers into Canada during 1935 totalled 3,109,203 pounds valued at \$54,661 as compared with 2,056,724 pounds worth \$39,330 in 1934. Of the 1935 imports 369,828 pounds came from the United Kingdom; 1,589,749 pounds from the United States; 930,587 pounds from France and 183,022 pounds from Italy. Exports from Canada of mineral pigments, iron oxides, ochres, etc. totalled 3,849,500 pounds valued at \$108,032 in 1935.

"Metal and Mineral Markets" - New York - quotations for ochre, December, 1935 were: per ton, f.o.b. Georgia mines, \$19 in sacks, \$22.50 in barrels. Buff clay, 98 per cent through 325 mesh, \$19 f.o.b. Virginia, dark yellow, 300 mesh, 60 per cent ferric oxide, in jute bags, \$19.50.

PRINCIPAL STATISTICS OF THE NATURAL IRON OXIDES INDUSTRY IN CANADA, 1933 - 1935.

	1933	1934	1935
Number of firms	4	4	5
Capital employed	156,551	172,730	175,935
Number of employees - On salaries	2	2	2
On wages	20	30	30
Total	22	32	32
Salaries and wages - Salaries	3,212	3,432	3,472
Wages	12,419	21,548	23,276
Total	15,631	24,980	26,748
Cost of fuel and electricity	5,755	9,670	12,254
Cost of process supplies used	(a)	(a)	10
Selling value of products	53,450	66,166	77,075

(a) Information not available.

WAGE-EARNERS EMPLOYED, BY MONTHS, 1934 and 1935.

Month	1934	1935	Month	1934	1935
January	12	38	July	31	29
February	25	21	August	34	34
March	19	22	September	37	42
April	15	21	October	40	36
May	28	28	November	29	26
June	43	31	December	30	28

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF IRON OXIDES, 1934 and 1935.

	1	9	3	4		1	9	3	5
	Quantity		Value			Quantity		Value	
	Tons		\$			Tons		\$	
<u>PRODUCTION (SALES)(x) -</u>									
Quebec	4,798		64,566			5,357		75,388	
British Columbia	161		1,600			159		1,687	
TOTAL	4,959		66,166			5,516		77,075	
<u>IMPORTS -</u>									
Ochres, ochrey earths, siennas and umbers	1,028		39,380			1,555		54,661	
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p.	3,130		653,827			3,488		623,698	
<u>EXPORTS -</u>									
Mineral pigments, iron oxides, ochres, etc.	1,618		96,131			1,925		108,032	
(x) Includes both crude and refined.									

(x) Includes both crude and refined.

Production of iron oxides (natural ochres) in Canada during the first six months of 1936 totalled 1,548 short tons valued at \$21,395 as compared with 2,072 short tons at \$31,443 during the corresponding period of 1935.

PRODUCTION (SALES) OF IRON OXIDES IN CANADA, 1926 - 1935.

<u>YEAR</u>	<u>TONS</u>	<u>VALUE</u> \$
1926	6,626	101,843
1927	6,125	103,536
1928	5,414	111,198
1929	6,518	115,932
1930	6,596	83,873
1931	5,520	49,205
1932	5,240	46,161
1933	4,357	53,450
1934	4,959	66,166
1935	5,516	77,075

OXIDE OR PURIFYING MATERIALS USED IN CANADIAN COKE AND GAS MAKING, 1930 - 1935.

<u>YEAR</u>	<u>TONS</u>	<u>VALUE</u> \$
1930	5,560	52,254
1931	5,362	50,029
1932	3,736	35,284
1933	2,734	29,076
1934	3,757	47,010
1935	3,701	46,204

IRON OXIDE PIGMENTS USED IN THE CANADIAN PAINTS, PIGMENTS AND VARNISHES INDUSTRY,
1931 - 1935.

<u>YEAR</u>	<u>POUNDS</u>	<u>Value</u> \$
1931	1,828,540	67,752
1932	1,402,025	52,323
1933	1,008,181	43,826
1934	1,159,535	53,589
1935	1,979,558	77,758

OCHRES, SIENNAS AND UMBERS USED IN THE CANADIAN PAINTS, PIGMENTS AND VARNISHES INDUSTRY,
1931 - 1935.

<u>YEAR</u>	<u>POUNDS</u>	<u>Value</u> \$
1931	1,166,860	86,539
1932	1,025,240	48,037
1933	981,554	43,671
1934	1,088,434	53,236
1935	1,127,163	56,219



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LIST OF FIRMS IN THE CANADIAN IRON OXIDES MINING INDUSTRY, 1935.

<u>Name of Firm</u>	<u>Head Office Address</u>	<u>Location of Plant</u>
<u>QUEBEC -</u>		
Argall, Thos. H.	639 St. Angel St., Three Rivers	La Pointe du Lac
Girardin, Chas. D.	Box 104, Yamachiche	Almaville
Sherwin-Williams Co. Ltd.	2875 Centre St., Montreal	Red Mill
<u>BRITISH COLUMBIA -</u>		
Davidson, J. G. & Thompson, J. H.	3498 Marine Drive, Vancouver	Mons
McDonald, R.	128 Grizzly St., Banff, Alta.	Windermere Dist.
