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MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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OF STATISTICS

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IRON OXIDES (OCHRE) - 1934.

Mine shipments of ochreous iron oxide, crude and refined, during 1934 totalled 4,959 short tons valued at \$66,166 as compared with an output of 4,357 short tons worth \$53,450 in 1933 and 5,240 short tons at \$46,161 in 1932, according to finally revised statistics issued by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa. This material during 1934, as in 1933, came entirely from the provinces of Quebec and British Columbia; deposits in the former province contributed 96 per cent of the total output in both 1933 and 1934.

The mineral in 1934 was shipped in the province of Quebec from deposits located in Marchand township, Labelle county, at La Pointe du Lac and at Red Mill in Champlain county. British Columbia shipments during the year were made from a property situated near Mons.

In Quebec the refining of the crude oxide included dehydration, calcining and milling with air flotation; products from properties in this province were marketed in Canada and the United States. The Canadian output of unrefined natural ochre is employed to a considerable extent in the purification of artificial fuel gas whereas the calcined and milled product is largely absorbed in the paint industry.

The Department of Mines, Ottawa, report that the present producing localities have been able to meet the requirements of the domestic pigment trade for the cheaper grades for many years past. Should the demand increase, there are other prospective deposits which could be drawn upon; two of these are located in the townships of Iberville and Bergeronnes, Saguenay county, Quebec. Deposits of ochres are also known to exist in Nova Scotia, Alberta, British Columbia, Saskatchewan and Manitoba.

PRINCIPAL STATISTICS OF THE NATURAL IRON OXIDES INDUSTRY IN CANADA, 1932 - 1934.

	1932	1933	1934
Number of firms	4	4	4
Capital employed \$	206,863	156,551	172,730
Number of employees - On salaries	1	2	2
On wages	25	20	30
Total	26	22	32
Salaries and wages - Salaries \$	3,240	3,212	3,432
Wages \$	19,669	12,419	21,548
Total \$	22,909	15,631	24,980
Cost of fuel and electricity \$	5,993	5,755	9,670
Selling value of products \$	46,161	53,450	66,166

WAGE-EARNERS EMPLOYED, BY MONTHS, 1934.

Month	Number	Month	Number
January	12	July	31
February	25	August	34
March	19	September	37
April	15	October	40
May	28	November	29
June	43	December	30

PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF IRON OXIDES, 1933 and 1934.

	1	9	3	3	1	9	3	4
	Quantity		Value		Quantity		Value	
	Tons		\$		Tons		\$	
PRODUCTION (SALES) (x) -								
Quebec	4,192		51,965		4,798		64,566	
British Columbia	165		1,485		161		1,600	
TOTAL	4,357		53,450		4,959		66,166	
IMPORTS -								
Ochres, ochrey earths, siennas and umbers ...	1,077		35,595		1,028		39,380	
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p.	2,491		573,607		3,130		653,827	
EXPORTS -								
Mineral pigments, iron oxides, ochres, etc...	1,152		70,239		1,618		96,131	

(x) Includes both crude and refined.

Of ochres, ochrey earths, siennas and umbers imported in 1934, 139 tons came from the United Kingdom, 593 tons from the United States, 235 tons from France, and 46 tons from Italy.

Production of iron oxides (ochre) in Canada during the first six months of 1935 totalled 2,072 tons valued at \$31,443 as compared with an output of 1,178 tons worth \$25,220 for the corresponding period of 1934.

PRODUCTION (SALES) OF IRON OXIDES IN CANADA, 1925 - 1934.

Year	Tons	Value \$
1925	7,118	91,913
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

OXIDE OR PURIFYING MATERIALS USED IN CANADIAN COKE AND GAS MAKING, 1930 - 1934.

<u>Year</u>	<u>Tons</u>	<u>\$</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

IRON OXIDE PIGMENTS USED IN THE CANADIAN PAINTS, PIGMENTS AND VARNISHES INDUSTRY,
1931 - 1934.

<u>Year</u>	<u>Pounds</u>	<u>\$</u>
1931	1,828,540	67,752
1932	1,402,025	52,323
1933	1,008,181	43,826
1934	1,159,535	53,539

OCHRES, SIENNAS AND UMBERS USED IN THE CANADIAN PAINTS, PIGMENTS AND VARNISHES INDUSTRY,
1931 - 1934.

<u>Year</u>	<u>Pounds</u>	<u>\$</u>
1931	1,166,860	86,539
1932	1,025,240	48,037
1933	981,554	43,671
1934	1,088,434	53,236

The following pigment price quotations were for September, 1935, and were supplied by "Canadian Chemistry and Metallurgy." Iron oxide, red, natural, 2 to 8 cents per pound; red, artificial, 6 cents to 12 cents; yellow, conc., ppt. casks, 9 cents to 13 cents per pound; yellow, domestic, ppt. 5¼ cents to 6 cents.

"Metal and Mineral Markets" quote ochre in September, 1935, as follows: 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



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LIST OF FIRMS IN THE CANADIAN IRON OXIDES MINING INDUSTRY, 1934.

<u>Name of Firm</u>	<u>Head Office Address</u>	<u>Location of Plant</u>
<u>QUEBEC -</u>		
Argall, Thos. H.	639 St. Angel, Three Rivers	La Pointe du Lac
Montmorency Paint Products Co. Ltd.(x)	6684 St. Urbain St., Montreal	Les Forges
The Sherwin-Williams Co. of Canada, Ltd.	2875 Centre St., Montreal	Red Mill
McNicoll, Eugene	354 St. Catherine St. W., Montreal	Labelle county
<u>BRITISH COLUMBIA -</u>		
Davidson, J.G., and Thompson, J. H.	3498 Marine Drive, Vancouver	Mons

(x) No production reported in 1934.

NOTE - The Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics issues directories of firms in the Paints, Pigments and Varnishes Industry and the Coke and Gas Industry in Canada. Copies of bulletins containing these directories will be sent on request.
