

Mining, Metallurgical and Chemical Branch
Chief: W. H. Losee, B.Sc.

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"The crude ochre mined on the company's property in the Cartersville region is separated into two grades - light and dark ... the ore is passed through a common log washer to remove coarse rock, hard iron and sand. The ochre goes into suspension with water and the pulp is then screened and flumed to cone classifiers for further removal of fine sand down to 300 mesh. Overflow from these cones, carrying the ochre in suspension, is then flumed to Dorr tanks, from which the ochre mud is pumped into tempering tanks and thence into revolving steam drums for drying. After drying the ochre is stocked in bins to be later passed through a beater mill and packed as required."

Principal Statistics of the Natural Iron Oxides Industry in Canada, 1932 and 1933.

	1932	1933
Number of firms	4	4
Capital employed	206,863	156,551
Number of employees - On salaries	1	2
On wages	25	20
Total	26	22
Salaries and wages - Salaries	3,240	3,212
Wages	19,669	12,419
Total	22,909	15,631
Cost of fuel and electricity	5,993	5,755
Selling value of products	46,161	53,450

Production in Canada, Imports and Exports of Iron Oxides, 1932 and 1933.

	1932		1933	
	Quantity	Value	Quantity	Value
	Tons	\$	Tons	\$
<u>PRODUCTION (SALES) -</u>				
Quebec.....	5,017	44,161	4,192	51,965
British Columbia	223	2,000	165	1,485
TOTAL	5,240	46,161	4,357	53,450
<u>IMPORTS -</u>				
Ochres, ochrey earths, siennas and umbers ...	1,212	41,806	1,077	35,595
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p.	2,359	616,124	2,491	573,607
<u>EXPORTS -</u>				
Mineral pigments, iron oxides, ochres, etc. ..	785	55,306	1,287	73,139

Ochre prices in the United States were quoted April 19, 1934 in "Metal and Mineral Markets" 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.

"Canadian Chemistry and Metallurgy" quote iron oxide Canadian prices, April, 1934, as follows: Red, natural, lb. .02-.08; Red, artificial, lb. .05-.10; Black, C.P., .15; Yellow, conc., ppt., casks, lb. .09-.13; Yellow, domestic, ppt., lb. .05½-.06.

General imports of mineral-earth pigments into the United States during 1933 were as follows:-

	Pounds	\$
Iron oxide and iron hydroxide (dutiable)	13,202,467	257,137
Ochres and siennas (dutiable)	11,147,022	170,773
Other mineral-earth pigments (dutiable)	322,106

Imports of ochres and earth colours (including natural iron oxide), whether ground or not, into the United Kingdom during the three months ending March 31st, 1934, totalled 84,875 cwt. evaluated at £32,883 as compared with 48,025 cwt. at £21,222 for the same period in 1933.

Oxide or purifying materials used in Canadian coke and gas making:-

	<u>Tons</u>	<u>\$</u>
1930	5,560	52,254
1931	5,362	50,029
1932	3,736	35,284

Iron oxide pigments used in the Canadian Paints, Pigments and Varnishes Industry:-

	<u>Pounds</u>	<u>\$</u>
1931	1,828,540	67,752
1932	1,402,025	52,323

Ochres, siennas and umbers used in the Canadian Paints, Pigments and Varnishes Industry:

	<u>Pounds</u>	<u>\$</u>
1931	1,166,860	86,539
1932	1,025,240	48,037

List of firms in the Canadian Iron Oxides Mining Industry, 1933.

<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 Point du Lac
Montmorency Paint Products Co. Ltd.	6684 St. Urbain St., Montreal	Les Forges
The Sherwin-Williams Co. of Canada, Ltd.	2875 Centre St., Montreal	Red Mill
<u>BRITISH COLUMBIA -</u>		
Davidson, J. G., and Thompson, J. H.	3498 Marine Drive, Vancouver	Rainbow Lodge

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.

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