

DOMINION BUREAU OF STATISTICS - CANADA

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NATURAL ABRASIVES, 1926.

Finally revised statistics on the production of corundum, diatomite, garnets, grinding pebbles, grindstones, pulpstones, scythestones, and volcanic dust in Canada during 1926 as reported by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa are as follows:-

Corundum.— Corundum is found in an area embracing several townships in Renfrew and Hastings counties in the province of Ontario. The industry made its appearance there in 1900 and production reached a maximum in 1906. In 1921, grain corundum amounting to 403 tons valued at \$55,965 was exported to the United States. Since that date no shipments of corundum have been reported.

Diatomite.— Although development work was carried on during 1926 in Canada in connection with a diatomite deposit at East New Annan, Nova Scotia, no shipments were made during the period. The Canadian production has been derived in previous years from a deposit located at Silica Lake, Colchester county, Nova Scotia.

Diatomite, sometimes called tripolite, is a silicious material closely related to quartz, and is used for heat and sound insulation, as an absorbent, a filtering medium, a filler, a mild abrasive, a structural material, etc. The Canadian material is usually given a preliminary calcine in rotary furnaces, before shipment.

Garnets.— A deposit of garnets in Ashby township, Ontario, was operated during 1923 and 1,250 tons of garnet concentrates and crude garnets were shipped to Niagara Falls, New York, for use as an abrasive material. In 1924, a shipment of 360 tons of garnets was made but there was no production of this commodity in 1925 and 1926.

Grinding Pebbles.— Grinding pebbles are obtained in Canada from a deposit near Jackfish, Ontario. Shipments during 1926 amounted to 64 tons valued at \$576 as compared with a total of 105 tons at \$945 shipped in the previous year.

Grindstones, Pulpstones and Scythestones.— The production of grindstones, pulpstones and scythestones in Canada during 1926 amounted to 2,695 tons valued at \$151,227, consisting of 311 tons from Nova Scotia deposits, 1,684 tons from New Brunswick and 700 tons from British Columbia. In 1925, shipments to a total of 2,562 tons worth \$124,165 were made.

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Volcanic Dust.— The deposit of volcanic dust near Waldeck, Saskatchewan, was operated in 1926 and shipments amounting to 90 tons worth \$630 were made during the year. A total of 160 tons valued at \$1,380 was shipped from this deposit during 1925. This material is used as a base in the manufacture of cleansers.

Capital employed by the eight producing firms in the natural abrasives industry totalled \$353,342 in 1926. Employment was furnished 102 employees whose earnings amounted to \$90,069. Fuel and electricity costs were reported at \$9,716.

PRODUCTION OF NATURAL ABRASIVES IN CANADA, 1926.

Province	Grinding Pebbles		Grindstones, Pulpstones and Scythestones		Volcanic Dust	
	Tons	\$	Tons	\$	Tons	\$
Nova Scotia	-	-	311	15,136	-	-
New Brunswick	-	-	1,684	90,975	-	-
Ontario	64	576	-	-	-	-
Saskatchewan	-	-	-	-	90	630
British Columbia	-	-	700	45,116	-	-
CANADA	64	576	2,695	151,227	90	630

IMPORTS INTO CANADA AND EXPORTS OF ABRASIVES IN 1926.

	Quantity	Value
		\$
IMPORTS -		
Abrasives -		
Artificial abrasives in bulk, crushed or ground, when imported for use in the manufacture of abrasive wheels and polishing composition.....	-	230,933
Carborundum wheels or stones not further manufactured than moulded and burned.....	-	158,468
Diamond dust or bort, and black diamonds for borers.....	-	963,141
Emery in bulk, crushed or ground.....	-	53,384
Emery wheels and carborundum wheels, n.o.p.....	-	77,331
Emery or carborundum, manufactures of, including carborundum stones, n.o.p.....	-	67,710
Grindstones, not mounted, and not less than 36 inches in diameter	-	791,412
Grindstones, n.o.p.....	-	36,838
Pumice and pumice stone, lava and calcareous tufa, not further manufactured than ground.....	-	32,005
Sand paper, glass, flint and emery paper or emery cloth.....	-	344,987
Iron sand or globules for polishing and sawing.....	-	17,464
Burrstones in blocks, rough or unmanufactured, not bound up or prepared for binding into mill-stones.....	No. 3	450
TOTAL.....	-	2,774,123

EXPORTS -

Grindstones, manufactured.....	-	75,374
Abrasives -		
Natural, n.o.p.....	cwt. 860	860
Artificial, crude, including carborundum.....	" 1,055,592	2,908,320
Artificial, made up into wheels, stones, etc.....	-	45,802
TOTAL.....	-	3,030,356

PRINCIPAL STATISTICS OF THE NATURAL ABRASIVES INDUSTRY IN CANADA, 1925 and 1926.

	1925	1926
No. of firms.....	8	8
Capital Employed.....	\$ 154,733	\$ 353,342
Number of Employees:-		
On Salary.....	6	8
On Wages.....	56	94
Total.....	62	102
Salaries and Wages:-		
Salaries.....	\$ 14,000	\$ 21,120
Wages.....	23,466	68,879
Total.....	55,466	90,069
Cost of Fuel and Electricity.....	5,208	9,716
Selling value of Products.....	\$ 126,490	\$ 152,433

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