## ANIUAL INDUSTRY REPORT

## MANUFACTURES OF THE NON-METALIIC MINERALS GBOUP

## THE MISCELLANDOUS NON-METALLIC MINERAL PRODUCTS INDUSTRY, 1938

Statistics for this industry cover the operations of factories which manufactured articles from non-metallic minerals but which, because of the nature of their products, could not be allotted to any of the other main industries in this group as reviewed in separate bulletins.

During 1938 there were 48 plants in this miscellaneous industry of which 7 made Pintsch oil gas for lighting railway cars; 5 made foundry facings and partings; 3 made refractory cements; 6 made asphalt emulsions; 3 made insulating board; 3 produced peat moss; 2 made graphite and carbon electrodes; 2 made briquettes from coal or coke; 2 ground non-metallic minerals, while each of the following was reported by only one establishment: enamel frit, lime from imported stone, mica plate, imitation brick siding, wax crayons, tailors' wax chalk, toilet seats and battery boxes, roofing cements, abrasive pads, carbon brushes, core oil, diamond saw teeth, onyx and marble novelties and memorial stones from marble dust.

The 48 plents operating in this industry had a production during 1938 valued at $\$ 5,880,096$, an increase of 11 per cent over the $\$ 5,309,637$ reported for the previous year. They represented a capital investment in Canada of $\$ 7,296,524$ and afforled employment to a monthly average of 945 people who were paid $\$ 1,175,122$ in salaries and wages. Expenditures for processing materials totalled $\$ 2,146,288$ and the fuel and power bill amounted to $\$ 309,257$.

Of the 48 plants, 19 in Ontario had an output worth $\$ 2,343,008$; 14 in Quebec had $\$ 2,883,836 ; 7$ in British Columbia had $\$ 171,741$ and 3 in Alberta had $\$ 31,341$. The remainder of $\$ 450,170$ was produced by 2 firms in Saskatchewan and 1 in each of Nova Scotia, New Brunswick and Manitoba.

Table 1 - PRINCIPAL STATISTICS OF THE MISCELLANEDUS NON-METALLIC MINERAL PRODUCTS INDUSTRY IN CATADA, 1937 and 1938

$$
1937 \quad 1938
$$

Per cent of change 1938 from 1937

| Number of establishments | 38 | 48 |  |
| :---: | :---: | :---: | :---: |
| Capital employed ................. \$ | 6,194,933 | 7,296,524 | A17.8 |
| Number of employees | 808 | 945 | t17.0 |
| Salaries and wages | 1,054,432 | 1,175,122 | t11.4 |
| Cost of fuel and electricity ..... \$ | 310,969 | 309,257 | -0.6 |
| Cost of materials at works ....... \$ | 1,750,148 | 2,146,288 | t22.6 |
| Selling value of products at works \$ | 5,309,637 | 5,880,096 | A10.7 |

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1937 and 1938

| Years and provinces | No. of plants | Capital employed | Average number of employees | $\begin{gathered} \text { Salaries } \\ \text { and } \\ \text { wages } \end{gathered}$ | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | \$ |  | \$ | \$ | \$ | \$ |
| 1937 |  |  |  |  |  |  |  |
| Quebec .... | 13 | 3,407,539 | 243 | 321,377 | 110,971 | 756,712 | 1,970,365 |
| Ontario | 15 | 1,970,361 | 457 | 608,744 | 151,388 | 837,175 | 2,909,366 |
| British Columbia | 3 | 151,698 | 32 | 50,745 | 4,052 | 24,520 | 95,697 |
| Nova Scotia .... |  |  |  |  |  |  |  |
| New Brunswick . |  |  |  |  |  |  |  |
| Menitoba ..... | 1) | 665,335 | 76 | 73,566 | 44,558 | 131,741 | 334,209 |
| Saskatchewan ... |  |  |  |  |  |  |  |
| Alberta ....... 2) |  |  |  |  |  |  |  |
| CANADA | 38 | 6,194,933 | 808 | 1,054,432 | 310,969 | 1,750,148 | 5,309,637 |
| 1938 |  |  |  |  |  |  |  |
| Quebec.. | 14 | 3,805,769 | 325 | 419,285 | 127,811 | 1,202,786 | 2,883,836 |
| Ontario |  | 2,521,633 | 477 | 598,248 | 139,917 | 709,243 | 2,543,008 |
| Al borta | 3 | 44,648 | 10 | 10,956 | 917 | 6,376 | 31, 341 |
| British Columbia | 7 | 277,474 | 75 | 77,109 | 10,539 | 53,464 | 171,741 |
| Nova Scotia .... |  |  |  |  |  |  |  |
| New Brunswick .. |  |  |  |  |  |  |  |
| Manitobe ....... | 1) | 647,000 | 58 | 69,524 | 30,073 | 174,419 | 450,170 |
| Saskatchewan . | 2) |  |  |  |  |  |  |
| CANADA | 48 | 7,296,524 | 945 | 1,175,122 | 309,257 | 2,146,288 | 5,880,026 |

Table 3 - SIZE OF ESTABLISIMENTS ACCORDING TO PRODUCITON, NUMBEF OH HIPLOYEES, CAPITAL EMPLOYED, 1938

|  | Number of plants | Capital employed | Average number of employees | Gross selling value of products at works |
| :---: | :---: | :---: | :---: | :---: |
| PRODUCTION |  | - |  | \$ |
| Under \$ $\$ 10,000$ | 12 | 125,933 | 26 | 54,847 |
| \$10,001 to \$25,000 | 8 | 395,944 | 58 | 147,63: |
| \$25,001 to \$50,000 | 12 | 835,728 | 114 | 445, 39] |
| \$50,001 to \$100,000 .. | 6 | 372,222 | 97 | 383,900 |
| \$100,001 and over .... | 10 | 5,566,697 | 650 | 4,848,381 |
| TOTAL | 48 | 7,296,524 | 945 | 5,880,090 |

Table 3 - SIZE OF ESTABLISLHEITS ACCORDING TO PRODUCTION, NUMBER OF EHPLOVEES, CAPITAL FAPLOYED, 1938 = (Concluded)


CAPITAL EKPLOIED

| Under \$25,000 | 16 | 162,898 | 55 | 206,476 |
| :---: | :---: | :---: | :---: | :---: |
| \% \% 5,001 to \$100,000 | 24 | 1,311,667 | 283 | 1,220,304 |
| \%1כ.),001 to \$500,000 | 5 | 902,708 | 27 | 703,986 |
| Over | 3 | 4,919,251 | 510 | 3,742,330 |
| TOTAL | 48 | 7,290,524 | 945 | 5,880,096 |

Table 4 - CAPITAL HIPLOYED, BY CLASSLS ITD BY PROVINCES, 1937 and 1938

| Provinces | Present value of land, buildings, fixtures and machinery | Inventory value of materials on hand, stocks in process, and finished products | Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.) | TOTAL |
| :---: | :---: | :---: | :---: | :---: |
| 1937 | \% | $\cdots-\frac{1}{\$}$ | - | \$ |
| Quebec | 2,298,726 | 772,477 | 336,336 | 3,407,559 |
| Ontario | 922,404 | 679,880 | 368,077 | 1,370,361 |
| British Columbia | 107,992 | 25,560 | 18,146 | 151,698 |
| Other provinces. | 607,535 | 36,500 | 21,300 | 665,335 |
| CANADA | 3,936,657 | 1,514,417 | 743,859 | 6,194,933 |
| 1938 |  |  |  |  |
| Quebec | 2,353,806 | 846,043 | 605,320 | 3,805,769 |
| Ontario | 1,104,824 | 1,010,830 | 405,979 | 2,521,633 |
| Al berta | 41,522 | 2,841 | 285 | 44,648 |
| British Columbia | 203,739 | 40,774 | 32,961 | 277,474 |
| Other provinces. | 600,000 | 12,000 | 35,000 | 647,000 |
| CaNADA ...... | 4,393,391 | 1,312,488 | 1,080,145 | 7,296,524 |

Table 5 - EAPLOYEES, SALARIES AHD VAGES, BX PROVIHCES, 1937 and 1938

| Provinces | Average number of employees |  |  |  |  | Solaries | Wages | TOTALSALARIESand WAGES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\frac{\mathrm{On}}{\mathrm{Male}}$ | arie | $\frac{0 n}{\mathrm{Malo}}$ |  | OTAL |  |  |  |
| 1937 |  |  |  |  |  | \$ | \$ | \$ |
| Quebec.... | 44 | 9 | 167 | 23 | 243 | 106,065 | 215,312 | 321,377 |
| Ontario | 56 | 15 | 382 | 4 | 457 | 142,542 | 466,202 | 608,744 |
| British Columbia | 5 |  | 27 | .. | 32 | 10,044 | 40,701 | 50,745 |
| Other provinces. | 21 | 1 | 54 | - | 76 | 17,455 | 56,111 | 73,566 |
| CANADA | 126 | 25 | 630 | 27 | 808 | 276,106 | 778,326 | 1,054,432 |


| Provinces | - Average number of employpes |  |  |  |  | Salaries | Wages | TOTAL SALARIES and HiAGES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | On salaries |  | On wages |  | TOTAL |  |  |  |
|  | Male Female |  | Male Female |  |  |  |  |  |
|  |  |  |  | \$ | \$ | \$ |  |  |
| 1938 |  |  |  |  |  |  |  |  |
| Quebec | 52 | 9 | 247 | 17 | 325 | 131,390 | 287,895 | 419,285 |
| Ontario | 72 | 18 | 376 | 11 | 477 | 178,926 | 419,322 | 598,248 |
| Alberta ....... | 3 |  | 7 |  | 10 | 4,357 | 6,589 | 10,956 |
| British Columbia | 11 | 2 | 61 | 1 | 75 | 18,300 | 58,809 | 77,109 |
| Other provinces. | 13 | -。 | 45 | . | 58 | 21,156 | 48,368 | 69,524 |
| CAIJADA | 151 | 29 | 736 | 29 | 945 | 354,129 | 820,993 | 1,175,122 |

Table 6 - WAGE-EARNERS, BY MOTTHS, 1937 and 1938 $\qquad$


Table 7 - REGULAR HOURS WURKED PER TEEK BY WAGE-EARNERS, 1938 (Overtime not included)

| Regular hours worked <br> per week | Percent of <br> wage-earners | Regular hours worked <br> per week | Percent of <br> wage-carners |
| :---: | :---: | :---: | :---: |


| 40 hours or less .... | 5.7 | 49 - 50 bours | 8.0 |
| :---: | :---: | :---: | :---: |
| $41-43$ hours | 36.3 | $51-54$ hours | 1.7 |
| 44 hours | 15.0 | 55 hours | 0.2 |
| 45-47 hours | 1.8 | 56-64 hours | 5.8 |
| 48 hours | 22.2 | 65 hours and over .... | 3.3 |

Table 8 - FUEL AND ELECTRICITY USED, 1937 and 1938

| Kinds |  | 193 | 7 | 19 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit of measure | Quantity | Cost at works | Quantity | Cost at works |
|  |  |  | \$ |  | \$ |
| Coul - antiracite | short ton | 734 | 5,164 | 772 | 5,372 |
| Coal - bituminous - Canadian | short ton | 3,762 | 20,822 | 2,811 | 16,989 |
|  | short ton | 2,600 | 14,882 | 3,854 | 20,341 |
| Coal - lignite ............ | short ton | 2,778 | 26,331 | ... |  |
| Coke | short ton | 15 | 175 | 268 | 1,537 |
| Gasoline | Imp.gal. | 2,480 | 534 | 12,345 | 3,251 |
| Kerosene | Irap.gal. | 46 | 13 | ... |  |
| Fuel oil | Imp.gal. | 236,246 | 18,597 | 489,183 | 37,214 |
| Wood | cord | 5 | 26 | 123 | 205 |
| Gas - manufactur | 1 m cu.ft. | 103,975 | 10,35? | 154,182 | 13,848 |
|  | M cu.ft. | 90 | 93 | 575 | 355 |
| Electricity | K. W. H. | 95,545,389 | 213,969 | 87, 203,010 | 210,145 |
| TOTAL | xxx | ... | 310,969 | ... | 309,257 |

## Table 9 - POMER EQUIPMENT, 1937 and 1938

| Description | $1 \begin{array}{llll}1 & 9 & 3 & 7\end{array}$ |  | $1 \quad 9 \quad 3 \quad 8$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number of units | Total rated horse power | $\begin{gathered} \text { Number of } \\ \text { units } \end{gathered}$ | Total rated horse power |
| Steam engines and steam turbines | 3 | 1,085 | 2 | 620 |
| Gasoline, gas and oil engines .. | 6 | 170 | 6 | 170 |
| Total primary power | 9 | 1,255 | 8 | 790 |
| Electric motors run by purchased power $\qquad$ | 511 | 6,493 | 706 | 9,225 |
| TDTAL | 520 | 7,748 | 714 | 10,015 |
| Electric motors run by power generated in plant $\qquad$ | 6 | 412 |  |  |
| Stationary boilers .............. | 18 | 1,345 | 21 | 1,595 |

Table 10 - POWER EqUIPMENT, SUBDIVIDED BETWEEN ORDINARILY IN USE AND IN RESERVE OR IDLE, 1938

| Description | Ordinarily in use In reserve or idle |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number of Total ratedunits horse power |  | Number of Total rated units horse power |  |
| Steam engines and turbines ${ }^{\text {- }}$ | 2 | 620 |  |  |
| Gasoline, gas and oil engines .. | $\delta$ | 170 | $\cdots$ | . |
| Total primary power* ....... | 8 | 790 |  | $\ldots$ |
| Electric motors run by purchased power | 702 | 9,137 | 4 | 38 |
| TOTAL | 710 | 3,977 | 4 | 38 |
| Stationary boilers ............. | 20 | 1,580 | 1 | 15 |

Table 11 - MATERIALS USED, 1937 and 1933

| Material |  | 1.9 | 37 | 19 | 38 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit of measure | Quantity | Cost at works | Quantity | Cost at works |
|  |  |  | \% |  | \% |
| Asphalt | ton | 11,696 | 169,002 | 11,907 | 202,354 |
| Coal - anthracite | ton | 10,973 | 101,564 | 6,997 | 67,008 |
| bituminous | ton | 12,954 | 64,230 | 12,743 | 54,611 |
| lignite | ton | 34,440 | 31,880 | 65,000 | 68,953 |
| Coke - petroleum | ton | 24,453 | 364,964 | 50,478 | 690,353 |
| other | ton | 17,948 | 109,283 |  |  |
| Carbon, scrap and electrode butts | ton | 6,237 | 91,169 | 7,271 | 117,203 |
| Carbon, plates .................... |  |  |  |  | 18,000 |
| Clays | 1 b . | ... | 12,373 | 827,008 | 8,006 |
| Limestone, imported | ton | 35,094 | 32,901 | 24,548 | 23,075 |
| Mica, including splittings | 1 b . | 20,503 | 12,263 | 56,630 | 13,416 |
| Oil, linseed | Imp.gal. | 41,728 | 30,463 | 15,310 | 9,744 |
| Oil, perilla | 1 b 。 |  |  | 106,000 | 10,700 |
| 0 il for oil gas | Imp. ${ }^{\text {gal. }}$ | 642,739 | 55,398 | 639,766 | 55,438 |
| Pitch | ton | 8,463 | 140,313 | 14,665 | 257,705 |
| Resin | 1 b . | 251,923 | 8,841 | 232,689 | 8,321 |
|  | Imp.gal. | 170,065 | 11,044 | 102,174 | 7,133 |
| Tripoli | ton | 74 | 2,245 | 55 | 1,385 |
| Wax | 1 b . | ... | 12,087 | 110,485 | 12,088 |
| Other materials | ... | ... | 487,123 | ... | 520,335 |
| TOTAL | ... | ... | 1,750,148 | ... | 2,146,288 |

Table 12 - PRODUCTS MADE, 1937 and 1938

|  |  | 19 | 3.7 | 19 | 38 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Product | Unit of measure | Quantity | Selling value at works | Quantity | Selling value at works |
|  |  |  | \$ |  | \$ |
| Asphalt emulsions | Imp.gal. | 3,085,267 | 342,361 | 3,028,084 | 352,622 |
| Foundry facings and partings .. | ... | ... | 85,098 |  | 82,111 |
| Core ofl and core compounds ... | ... | ... | 88,126 | ... | 62,686 |
|  | M cu.ft. | ... | 431,932 | 41,232 | 476,245 |
|  |  | ... | 4,362,120 |  | 4,906,432 |
| TOTAL |  | ... | 5,309,637 | ... | 5,880,096 |

(x) Includes products made by less than 3 firms such as carbon electrodes, graphite electrodes, enamel frit, chalk and wax crayons, etc.

## LIST OF FIRMS IN THE HISCELLANEOUS HON-METALLIC MINEFAL PRODUCIS

## INDUSTRY IN CANADA, 1938

| Name of Firm | Location of Plant, Frincipal Products |
| :--- | :--- |
| Alouette Fent Procicts Ltd. | Ford Road, Pitt ifeadows, B. |

LIST OF HIRMS IN THE WISCEJMEDOS NON-LIETALIC MIIERAL PRODUCTS

## INDUSTRY IN CAHADA, 1938

(Continued)

| Name of Firmu | Location of Plant | Princinal Producis |
| :---: | :---: | :---: |
| Ferro Enamels (Canada) Ltd. | 629 Wellington St., Ottaw, Ont. | Porcelain enamel \& frit, coloureत oxides. |
| Firerock Insulation Ltd. | Granville Island, Vancouver, B.C. | Insulation board. |
| Hamilton Facing Mill Co. Ltd. | Hess St. N., Hamilton, Ont. | Foundry facings \& partings, core compounds, paint, graphite, etc. |
| Insulatec Building Materials Ltd. | 101 Johnson St., Sarnia, Ont. | Imitation brick siding. |
| Insulation Ltd. | Isle Verte, Que. | Peat moss. |
| Marblite Memorial Products | 9557 Jasper Ave., Edmonton, Alta. | Memorial stones from marble dust. |
| Mica Co. of Canada Ltd. | 2 Lois St., Hull, Que. | Mica plate \& tubes, etc. |
| Milloy, M. | 5578 Hadley St., Montreal, Que. | Tailors' wax chalk. |
| Morval Products Co. Ltd. | 238 King St. E., Hamilton, Ont. | Abrasive pads, sewing stands, etc. |
| Mosstex Ltd. | 10728 - 10and Ave., Edmonton, Alta. | Loose moss-tex, (peat moss) and moss-tex boards. |
| Onyx \& Marble Ltd. | 319 Howland Ave., Toronto, Ont. | Onyx \& marble novelties. |
| Peterson Core Oil \& Mfg. Co. of Caneda Ltd. | 35 Dunbar Ave., Hamilton, Ont. | Core oil. |
| Pintsch Compressing Co. Inc. (H.O.-New Haven, Conn. U.S.A.) | McAdem, N.B. Montreal, Que. North Bey, Ont. Toronto, Ont. Winnipeg, Man. Hoose Jaw, Sask. Fidmonton, Alta. Vancouver, B.C. | Oil gas and hydrocarbon. |

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LIST OF FIRMS IN THE HISCELLAMDOUS NON-HETHIIC MTNERAL PRODUCTS
IMDUSTFY IN CANADA, 1938
(Concluded)

Name of Iirm
Pulverized Products Ltd.

Quigley Co. of Canada Ltd.

Richmond, Geo. W., \& Co.

Stevens, Frederick B., of Canada Ltd.

Thivierge, E.
Westorn Peat Co. Ltd.

Wilkinson Foundry Facing \& Supply Co. Ltd.

Lucation of Plant
4820 Fourth Ave., Rosemount, Ground fillers from Que.

191 - 20th ive., Lachine, Que. Reirractory cements \& protective coatings.

12th Ave. \& Renfrew St., Vancouver, B.C.

1262 McDoutall St., Windsor, Ont.

Pulverized mica \& talk, etc.

Foundry facines, core oil \& buffing compositions.

5930-1st Ave., Rosemount, Que. Roofing cement.
Lulu Island, B.C.
Peat moss, sphagnum pads.

81 Florence St., Toronto 3,0nt. Foundry facings \& partings, core oils \& compounds, etc.

