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DOMINION BUREAU OF STATISTICS - CANADA

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PRODUCTION OF MISCELLANEOUS NON-METALLIC MINERALS IN CANADA, 1928.

Finally revised statistics on the production of actinolite, barytes, bituminous sands, fluorspar, graphite, magnesite, magnesium sulphate, bog manganese, mineral waters, nitro-alunite, peat, phosphate, silica brick, sodium carbonate, sodium sulphate and sulphur in Canada during 1928, as reported by the mining, metallurgical and chemical branch of the Dominion Bureau of Statistics at Ottawa, are as follows:

Actinolite.- Shipments of actinolite to the United States from Canadian deposits during 1928 amounted to 70 tons valued at \$875 as compared with 86 tons worth \$1,075 shipped in the previous year. The production of actinolite in Canada has been confined to Elzevir and Kaladar townships in Hastings and Addington counties, Ontario, Actinolite being the centre of the industry. This material, which is a calcium-magnesium-iron silicate is used in the manufacture of coal-tar roofing compounds.

Barytes.- Barytes shipments during 1928 amounted to 127 tons valued at \$2,847 as against 56 tons at \$1,268 in 1927. The 1928 production was obtained from the Johnson mine at Lake Ainslie, Inverness county, Nova Scotia. Imports of barytes into Canada during the period under review totalled 2,878 tons with a valuation of \$58,710.

Bituminous Sands.- The production of bituminous sands from the Fort McMurray district, Alberta, during 1928 amounted to 94 tons valued at \$374 as compared with 2,700 tons worth \$10,824 shipped in 1927. Practically all the material shipped to date has been used for demonstration and experimental purposes.

Fluorspar.- There has been no production of fluorspar^{reported} in Canada since 1925, when the Rock Candy mine and mill at Lynch creek, British Columbia, were in operation. Importations of fluorspar at 14,362 tons valued at \$153,046 showed a marked increase over the total of 4,561 tons valued at \$58,701 imported during 1927.

Graphite.- Shipments of graphite from Canadian deposits during 1928 reached a total of 1,097 tons valued at \$57,041. In 1927 the production totalled 1,829 tons worth \$111,656. Customs' records for 1928 show exports of graphite, crude or refined, amounting to 1,053 tons appraised at \$45,324. The previous year's exports were 1,699 tons at \$102,476.

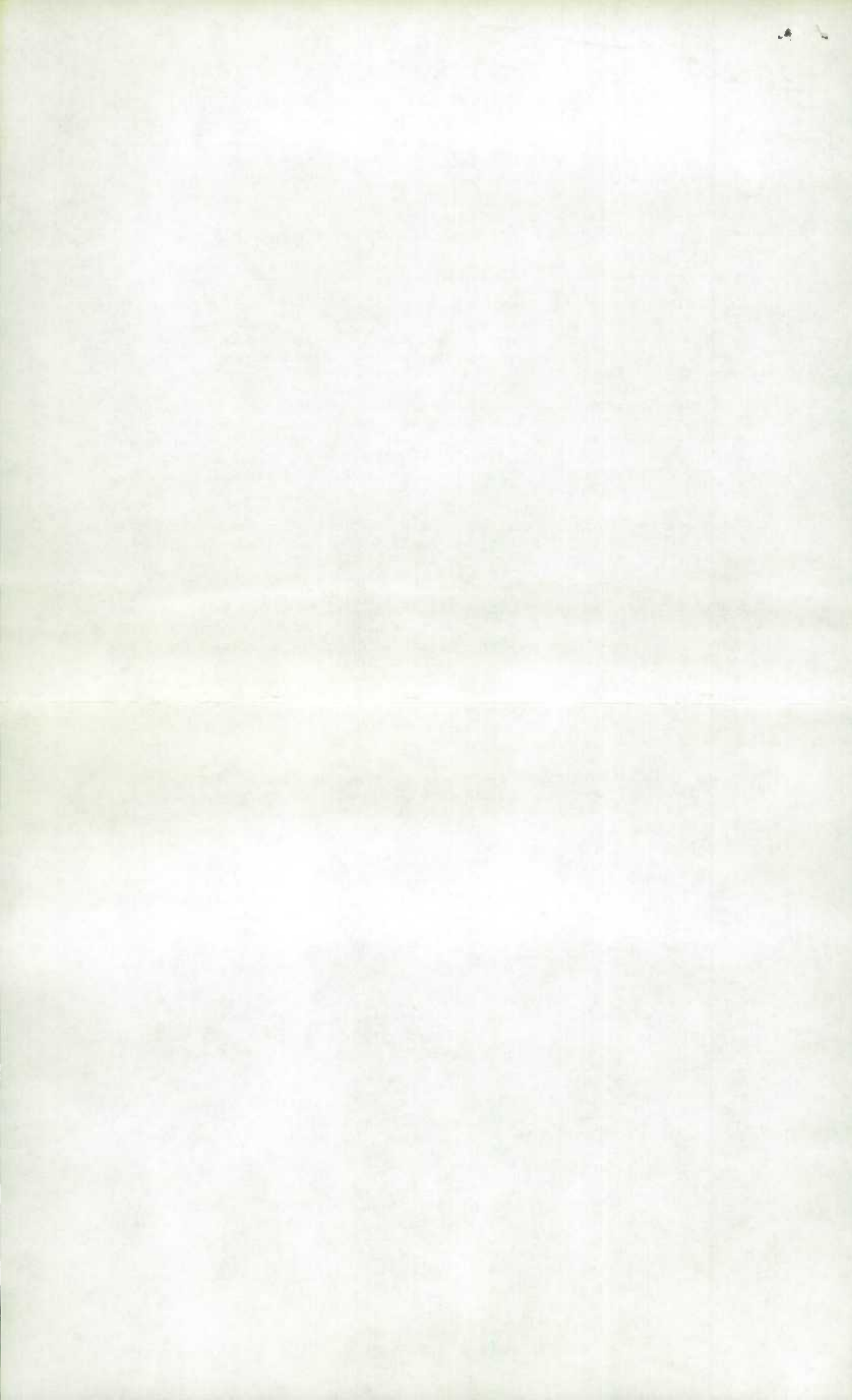
Magnesite.- Continuing the marked increase shown in magnesite shipments in 1927, the figures for 1928 record an advance of 79.8 per cent in quantity and 50.7 per cent in value to a total of 13,195 tons at \$346,990. Exports of magnesite, calcined and dead-burned, in 1928 were recorded at 1,837 tons worth \$44,101 as against 1,953 tons valued at \$47,487 in 1927. The 1927 and 1928 exportations were principally to the United Kingdom.

Magnesium Sulphate.- No activities have been reported in this industry since 1923. In that year 121 tons of refined magnesium sulphate were shipped from a deposit near Asneroft, British Columbia. Imports of magnesium sulphate or epsom salts during 1928 reached a total of 2,508 tons valued at \$47,717; in the previous year 2,404 tons worth \$39,195 were brought into Canada.

Manganese, Bog.- During 1928 shipments of bog manganese from a deposit at Dawson Settlement, near Hillsborough, New Brunswick, amounted to 385 tons worth \$2,237. This material was shipped to the province of Quebec for use as a colouring agent in the brick trade.

Mineral Waters.- Shipments from mineral springs and wells in Canada during 1928 totalled 269,045 imperial gallons valued at \$33,498 as against an output of 303,530 imperial gallons at \$14,324 in 1927. The 1928 total consisted of 15,415 imperial gallons from Quebec and 253,630 imperial gallons from Ontario.

Nitro-Alunite.- No shipments of nitro-alunite were reported in 1928. During 1927 a shipment of 7 tons valued at \$248 was made from a deposit at Kyuquot Sound, Vancouver Island, British Columbia.



Peat.- The total shipments of peat from the Alfred bog in Ontario during 1928 amounted to 1,497 tons at \$5,245. This production was made up of 1,200 tons shipped for use as fuel and 297 tons of humus sold for soil dressing.

Phosphate.- Phosphate shipments during 1928 totalled 641 tons evaluated at \$8,276 as compared with 151 tons at \$1,717 in 1927. The 1928 production consisted of 91 tons from old mine dumps in Quebec and 550 tons extracted for experimental purposes from a deposit near Fernie, British Columbia. Imports of phosphate into Canada in 1928 came entirely from the United States and amounted to 10,398 tons valued at \$68,266.

Silica Brick.- Silica brick production in Canada during 1928 totalled 3,224 thousand at \$155,502 as compared with an output of 1,791 thousand worth \$79,527 in 1927.

Sodium Carbonate.- The production of sodium carbonate crystals from British Columbia deposits during 1928 amounted to 519 tons worth \$4,922; in 1927 the total production was 805 tons worth \$9,995.

Sodium Sulphate.- Shipments of natural sodium sulphate from Canadian deposits during 1928 were recorded at 6,016 tons with a valuation of \$68,804; in the previous year the production was 5,659 tons worth \$11,319.

Sulphur.- It has been the practice of the Bureau in past years to report export shipments of pyrites in terms of the sulphur content of the pyrites. In view of the fact that there is now an important production of sulphur in the form of sulphuric acid made from waste bessemer gases, it has been decided to modify the method of reporting production so as to show the total sulphur content of pyrites shipped and of bessemer gases used in the manufacture of sulphuric acid. In 1928 the total sulphur content of all shipments made was 38,589 tons valued at \$321,033.

Capital employed by the 33 firms operating in this group of industries in 1928 was \$4,478,481. Employment was furnished 41 salaried employees and 353 wage-earners whose total earnings amounted to \$414,650. Fuel and electricity costs were reported at \$128,029.

PRODUCTION OF MISCELLANEOUS NON-METALLIC MINERALS IN CANADA, 1928.

| Item | Unit of measure | Quantity | Value |
|-----------------------|-----------------|----------|-----------|
| Actinolite..... | tons | 70 | 875 |
| Barytes..... | tons | 127 | 2,847 |
| Bituminous sands..... | tons | 94 | 374 |
| Graphite..... | tons | 1,097 | 57,041 |
| Magnesite..... | tons | 13,195 | 346,990 |
| Manganese, bog..... | tons | 585 | 2,237 |
| Mineral waters..... | Imp. gal. | 269,045 | 33,498 |
| Peat..... | tons | 1,497 | 5,245 |
| Phosphate..... | tons | 641 | 8,276 |
| Silica brick..... | M | 3,224 | 155,502 |
| Sodium carbonate..... | tons | 519 | 4,922 |
| Sodium sulphate..... | tons | 6,016 | 68,804 |
| Sulphur (x)..... | tons | 38,589 | 321,033 |
| TOTAL..... | - | ... | 1,008,244 |

(x) Includes sulphur content of pyrites at its sales value and estimated figures for quantity and value of sulphur in smelter gases used for acid making.

PRINCIPAL STATISTICS RELATING TO MISCELLANEOUS NON-METALLIC MINERAL INDUSTRIES IN CANADA, 1927 and 1928.

| | 1927 | 1928 |
|---------------------------------------|-----------|-----------|
| Number of firms..... | 32 | 33 |
| Capital employed..... \$ | 3,315,320 | 4,478,481 |
| Number of employees - On salary..... | 31 | 41 |
| On wages..... | 273 | 353 |
| Total..... | 304 | 394 |
| Salaries and wages - Salaries..... \$ | 45,910 | 73,118 |
| Wages..... \$ | 267,428 | 341,532 |
| Total..... \$ | 313,338 | 414,650 |
| Cost of fuel and electricity..... \$ | 85,302 | 128,029 |
| Selling value of products..... \$ | 670,950 | 1,008,244 |

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