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CANADA

DOMINION BUREAU OF STATISTICS

# THE STONE INDUSTRY

1952

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#### NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: Volume I — The Primary Industries, including mining, forestry and fisheries; Volume II — Manufacturing; Volume III — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

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- S — The Sand and Gravel Industry, 25¢
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- U — Contract Drilling in the Mining Industry, 25¢

(20/5/54)

# THE STONE INDUSTRY, 1952

The Stone Industry is made up of two main divisions: (1) The Stone Quarrying Industry, including quarries and dressing works operated in conjunction with quarries; (2) The Stone Products Industry, comprising the operations of firms having no quarries but which operate dressing works where stone for building and monumental purposes is cut.

polished or otherwise finished. In the Census of Industry, statistics on the stone quarrying industry are included under Mining, while statistics of the stone products industry are included under Manufactures. For convenience, this report carries data for both of these industries.

## PRIMARY PRODUCTION - THE STONE QUARRYING INDUSTRY

The kinds of stone quarried in Canada include granite (trap rock, syenite and other igneous rock), limestone, marble, sandstone, and slate. Rocks of the igneous areas of British Columbia, Manitoba, Ontario, Quebec and Maritime Provinces exhibit a wide range of physical characteristics, some varieties being especially noted for their richness of colour and beauty of crystallization. Sedimentary rocks, including limestones, sandstones and marbles are worked at various locations, and the quarries operating in these different formations not only yield high class structural and decorative products but also provide materials for the chemical and allied industries.

The stone quarrying industry shipped 18,726,196 short tons of stone valued at \$30,835,356 during 1952, compared with 18,676,706 tons valued at \$28,649,768 in 1951. These figures do not include the stone used in the manufacture of cement and

lime. Shipments of granite and other igneous rocks amounted to 2,490,086 tons valued at \$7,327,022. Shipments of sedimentary rock included 15,957,799 tons of limestone valued at \$22,319,143; marble, 57,637 tons worth \$524,783; sandstone, 219,424 tons valued at \$649,332 and slate, 1,250 tons worth \$15,076.

Quebec quarries contributed 49.6 per cent of the total value of production and Ontario quarries accounted for 33.4 per cent.

There were 493 operating quarries in 1952. The average number of employees was 3,897 to whom \$10,230,640 were distributed in salaries and wages. Fuel cost \$1,267,474 and 53,722,331 k.w.h. of electricity were purchased for \$755,125. Process supplies, which include explosives, drill steel, etc., cost \$2,353,477.

TABLE 1. Principal Statistics of the Stone Quarrying Industry, 1951 and 1952

|   |    | 1951       | 1952       |
|---|----|------------|------------|
| Number of firms .....                             |    | 435        | 419        |
| Number of employees:                              |    |            |            |
| Administrative and office .....                   |    | 270        | 312        |
| Workmen .....                                     |    | 3,591      | 3,585      |
| Total .....                                       |    | 3,861      | 3,897      |
| Earnings:   |    |            |            |
| Administrative and office .....                   | \$ | 770,139    | 956,036    |
| Workmen .....                                     | \$ | 8,448,555  | 9,274,604  |
| Total .....                                       | \$ | 9,218,694  | 10,230,640 |
| Man-hours worked:                                 |    |            |            |
| Workmen .....                                     |    | 8,484,456  | 8,659,372  |
| Administrative and office .....                   |    | 623,059    | 690,735    |
| Total .....                                       |    | 9,107,515  | 9,350,107  |
| Gross selling value of products at quarries ..... | \$ | 28,649,768 | 30,835,356 |
| Cost of fuel and electricity .....                | \$ | 1,915,948  | 2,022,599  |
| Process supplies used .....                       | \$ | 2,761,374  | 2,853,477  |
| Net value of products <sup>1</sup> .....          | \$ | 23,972,446 | 25,959,280 |

1. Gross value less cost of process supplies, fuel and electricity.

## MINERAL STATISTICS

TABLE 2. Principal Statistics of the Stone Quarrying Industry, by Provinces, 1951 and 1952

| Province               | Number of quarries | Average number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of process supplies at works | Gross selling value of products at works |
|------------------------|--------------------|-----------------------------|--------------------|---------------------------------------|-----------------------------------|--|
|                        |                    |                             | \$                 | \$                                    | \$                                | \$                                       |
| 1951                   |                    |                             |                    |                                       |                                   |  |
| Newfoundland .....     | 4                  | 127                         | 335,798            | 36,598                                | 33,002                            | 792,319                                  |
| Nova Scotia .....      | 24                 | 129                         | 264,987            | 64,761                                | 149,036                           | 746,919                                  |
| New Brunswick .....    | 8                  | 87                          | 150,974            | 34,105                                | 14,078                            | 689,524                                  |
| Quebec .....           | 156                | 2,048                       | 4,596,539          | 975,650                               | 1,495,546                         | 12,811,218                               |
| Ontario .....          | 225                | 1,082                       | 2,884,581          | 687,004                               | 874,606                           | 10,396,850                               |
| Manitoba .....         | 10                 | 145                         | 324,096            | 45,690                                | 79,111                            | 996,239                                  |
| Saskatchewan .....     | —                  | —                           | —                  | —                                     | —                                 | —  |
| Alberta .....          | 2                  | —                           | —                  | —                                     | —                                 | 46,820                                   |
| British Columbia ..... | 107                | 242                         | 661,719            | 72,140                                | 115,995                           | 2,170,079                                |
| Canada .....           | 536                | 3,861                       | 9,218,694          | 1,915,948                             | 2,761,374                         | 28,649,768                               |
| 1952                   |                    |                             |                    |                                       |                                   |  |
| Newfoundland .....     | 4                  | 119                         | 352,659            | 64,567                                | 33,777                            | 768,326                                  |
| Nova Scotia .....      | 26                 | 145                         | 315,325            | 61,932                                | 83,303                            | 859,508                                  |
| New Brunswick .....    | 7                  | 81                          | 151,209            | 22,046                                | 12,678                            | 476,105                                  |
| Quebec .....           | 157                | 2,095                       | 5,231,878          | 1,054,352                             | 1,367,035                         | 15,282,133                               |
| Ontario .....          | 203                | 1,084                       | 3,123,793          | 665,365                               | 1,084,638                         | 10,303,173                               |
| Manitoba .....         | 9                  | 145                         | 359,866            | 76,804                                | 113,544                           | 687,778                                  |
| Saskatchewan .....     | —                  | —                           | —                  | —                                     | —                                 | —  |
| Alberta .....          | 4                  | 1                           | 2,492              | 750                                   | 504                               | 92,499                                   |
| British Columbia ..... | 83                 | 227                         | 693,418            | 76,783                                | 158,000                           | 2,365,834                                |
| Canada .....           | 493                | 3,897                       | 10,230,640         | 2,022,599                             | 2,853,477                         | 30,833,356                               |

TABLE 3. Production (Sales) of Stone From Canadian Quarries, by Kinds and by Provinces, 1951 and 1952

| Province               |      | Granite <sup>1</sup> | Limestone <sup>2</sup> | Marble  | Sandstone | Slate  | Total      |
|------------------------|------|----------------------|------------------------|---------|-----------|--------|------------|
|                        |      |                      |                        |         |           |        |            |
| 1951                   |      |                      |                        |         |           |        |            |
| Newfoundland .....     | tons | 3,546                | 462,894                | —       | —         | —      | 466,440    |
|                        | \$   | 13,135               | 778,184                | —       | —         | —      | 792,319    |
| Nova Scotia .....      | tons | 143,039              | 102,460                | —       | 24,682    | —      | 270,181    |
|                        | \$   | 436,116              | 243,164                | —       | 67,639    | —      | 746,919    |
| New Brunswick .....    | tons | 7,298                | 142,948                | —       | 729,258   | —      | 879,504    |
|                        | \$   | 12,647               | 384,259                | —       | 292,618   | —      | 689,524    |
| Quebec .....           | tons | 576,230              | 6,240,553              | 25,637  | 334,017   | 826    | 7,177,263  |
|                        | \$   | 3,141,177            | 8,782,815              | 289,334 | 597,066   | 826    | 12,811,218 |
| Ontario .....          | tons | 487,496              | 7,531,536              | 38,113  | 22,942    | —      | 8,080,087  |
|                        | \$   | 1,485,446            | 8,513,829              | 196,986 | 200,389   | —      | 10,396,650 |
| Manitoba .....         | tons | 206                  | 382,928                | —       | —         | —      | 383,134    |
|                        | \$   | 4,231                | 992,008                | —       | —         | —      | 996,239    |
| Alberta .....          | tons | —                    | 13,310                 | —       | —         | —      | 13,310     |
|                        | \$   | —                    | 46,820                 | —       | —         | —      | 46,820     |
| British Columbia ..... | tons | 732,749              | 655,319                | 232     | 13,652    | 4,835  | 1,406,787  |
|                        | \$   | 921,369              | 1,159,825              | 6,500   | 15,953    | 66,632 | 2,170,079  |
| Canada .....           | tons | 1,950,564            | 15,531,948             | 63,982  | 1,124,551 | 5,661  | 18,676,706 |
|                        | \$   | 6,014,121            | 20,901,704             | 492,820 | 1,173,663 | 67,458 | 28,649,768 |
| 1952                   |      |                      |                        |         |           |        |            |
| Newfoundland .....     | tons | 20,150               | 455,554                | —       | —         | —      | 475,704    |
|                        | \$   | 32,725               | 735,801                | —       | —         | —      | 768,326    |
| Nova Scotia .....      | tons | 170,719              | 117,895                | —       | 51,784    | —      | 340,398    |
|                        | \$   | 474,455              | 244,864                | —       | 140,189   | —      | 859,508    |
| New Brunswick .....    | tons | 7,600                | 113,580                | —       | 39,764    | —      | 160,944    |
|                        | \$   | 25,000               | 337,988                | —       | 113,117   | —      | 476,105    |
| Quebec .....           | tons | 1,239,032            | 6,459,829              | 26,999  | 104,616   | 500    | 7,830,976  |
|                        | \$   | 4,873,257            | 9,847,782              | 313,678 | 246,916   | 500    | 15,282,133 |
| Ontario .....          | tons | 350,724              | 7,818,958              | 30,638  | 17,091    | —      | 8,217,411  |
|                        | \$   | 798,680              | 9,153,307              | 211,105 | 140,081   | —      | 10,303,173 |
| Manitoba .....         | tons | 1,200                | 239,615                | —       | —         | —      | 240,815    |
|                        | \$   | 1,200                | 686,578                | —       | —         | —      | 887,778    |
| Alberta .....          | tons | —                    | 22,773                 | —       | —         | —      | 22,773     |
|                        | \$   | —                    | 92,499                 | —       | —         | —      | 92,499     |
| British Columbia ..... | tons | 700,661              | 729,595                | —       | 6,169     | 750    | 1,437,175  |
|                        | \$   | 1,121,705            | 1,220,524              | —       | 9,029     | 14,576 | 2,365,834  |
| Canada .....           | tons | 2,490,086            | 15,957,799             | 57,637  | 219,424   | 1,250  | 18,726,196 |
|                        | \$   | 7,327,022            | 22,319,143             | 524,783 | 649,332   | 15,076 | 30,833,356 |

1. All igneous rocks included.

2. Includes dolomite, also marl for agricultural purposes.

Note. Not included in the above limestone statistics are 4,246,501 tons of limestone consumed in the cement industry in 1951 and 4,513,029 tons in 1952. Also, the limestone used in the lime industry is not included; it is estimated that approximately 2,164,296 tons of limestone were burned in the manufacture of lime in 1951 and 2,131,563 tons in 1952.

TABLE 4. Production (Sales) of Stone<sup>1</sup> From Canadian Quarries, by Provinces, Showing Purposes For Which Used, 1951 and 1952

| For use as follows                                      | Newfoundland | Nova Scotia | New Brunswick | Quebec    | Ontario    | Manitoba   | Alberta | British Columbia | Canada    |
|---|--------------|-------------|---------------|-----------|------------|------------|---------|------------------|-----------|
| 1951  |              |             |               |           |            |            |         |                  |           |
| Building stone:   |              |             |               |           |            |            |         |                  |           |
| Rough .....   | —            | 280         | 200           | 15,580    | 46,101     | 93         | —       | 1,612            | 63,866    |
| \$ —  | —            | 4,130       | 400           | 163,664   | 535,156    | 2,650      | —       | 17,100           | 723,100   |
| Dressed .....   | tons         | —           | 336           | 1,098     | 48,642     | 1,200      | 7,231   | —                | 1,812     |
| \$ —  | —            | 35,243      | 67,447        | 2,826,632 | 19,379     | 649,520    | —       | 254,000          | 3,852,221 |
| Monumental and ornamental stone:                        |              |             |               |           |            |            |         |                  |           |
| Rough .....   | tons         | 320         | —             | 200       | 5,401      | 384        | —       | 1,300            | 7,605     |
| \$ —  | —            | 1,002       | —             | 3,200     | 141,611    | 13,291     | —       | 20,500           | 179,604   |
| Dressed .....   | tons         | —           | 903           | —         | 5,505      | —          | —       | 103              | 6,511     |
| \$ —  | —            | 111,993     | —             | —         | 782,012    | —          | —       | 12,550           | 906,555   |
| Flagstone .....   | tons         | —           | —             | 30        | 1,875      | 5,448      | —       | —                | 7,353     |
| \$ —  | —            | —           | —             | 600       | 39,566     | 44,778     | —       | —                | 84,944    |
| Curbstone .....   | tons         | —           | —             | —         | 28         | —          | —       | 10               | 38        |
| \$ —  | —            | —           | —             | —         | 652        | —          | —       | 1,000            | 1,652     |
| Paving blocks .....                                     | tons         | —           | —             | —         | 865        | —          | —       | —                | 865       |
| \$ —  | —            | —           | —             | —         | 13,148     | —          | —       | —                | 13,148    |
| Chemical and metallurgical:                             |              |             |               |           |            |            |         |                  |           |
| Lining open-hearth furnaces                             | tons         | —           | 3,200         | —         | —          | 32,081     | 3,283   | —                | —         |
| \$ —  | —            | 8,310       | —             | —         | 38,497     | 7,515      | —       | —                | 38,564    |
| Flux in iron and steel furnaces                         | tons         | 410,806     | 28,639        | 54        | 3,809      | 442,157    | 1,073   | —                | 900,942   |
| \$ —  | —            | 652,723     | 57,278        | 162       | 5,298      | 518,969    | 3,240   | —                | 1,265,670 |
| Flux in non-ferrous smelters                            | tons         | —           | —             | —         | —          | 100,858    | —       | —                | 36,850    |
| \$ —  | —            | —           | —             | —         | —          | 108,981    | —       | —                | 36,850    |
| Glass factories .....                                   | tons         | —           | —             | —         | 1,284      | 5,935      | —       | 5,680            | 7,572     |
| \$ —  | —            | —           | —             | —         | 4,145      | 18,022     | —       | 11,360           | 20,471    |
| Pulp and paper mills .....                              | tons         | 24,638      | 5,410         | 7,514     | 166,569    | 98,890     | 10,813  | —                | 464,773   |
| \$ —  | —            | 75,517      | 17,000        | 20,710    | 441,513    | 190,490    | 37,699  | —                | 375,170   |
| Sugar refineries .....                                  | tons         | —           | —             | 56        | —          | —          | —       | —                | 56        |
| \$ —  | —            | —           | —             | 319       | —          | —          | —       | —                | 319       |
| Other chemical uses .....                               | tons         | —           | —             | —         | 162        | 8,580      | —       | —                | 8,742     |
| \$ —  | —            | —           | —             | —         | 203        | 10,742     | —       | —                | 10,945    |
| Pulverized stone:                                       |              |             |               |           |            |            |         |                  |           |
| Whiting (substitute) .....                              | tons         | —           | —             | —         | 12,030     | 6,050      | —       | 300              | 18,380    |
| \$ —  | —            | —           | —             | —         | 144,360    | 41,724     | —       | 4,643            | 190,727   |
| Asphalt filler .....                                    | tons         | —           | 5,000         | 861       | 7,779      | 25,932     | 2,532   | —                | 44,162    |
| \$ —  | —            | 5,000       | 3,188         | —         | 33,054     | 90,360     | 3,038   | —                | 151,970   |
| Dusting coal mines .....                                | tons         | —           | —             | —         | —          | —          | —       | 1,185            | 275       |
| \$ —  | —            | —           | —             | —         | —          | —          | —       | 5,925            | 1,460     |
| Agricultural purposes and fertilizer plants .....       | tons         | 218         | 65,211        | 94,503    | 287,290    | 91,345     | 2,337   | 900              | 571,018   |
| \$ —  | —            | 655         | 160,576       | 278,014   | 585,912    | 216,171    | 3,132   | 4,500            | 1,368,320 |
| Other uses .....  | tons         | —           | —             | —         | 19,145     | 18,532     | 3,041   | —                | 40,838    |
| \$ —  | —            | —           | —             | —         | 68,868     | 84,684     | 4,589   | —                | 158,891   |
| Crushed stone for manufacture of artificial stone ..... | tons         | —           | —             | —         | 1,515      | 2,100      | —       | —                | 3,615     |
| \$ —  | —            | —           | —             | —         | 9,756      | 16,400     | —       | —                | 26,156    |
| Roofing granules .....                                  | tons         | —           | —             | —         | —          | 49,625     | —       | —                | 53,394    |
| \$ —  | —            | —           | —             | —         | —          | 236,109    | —       | —                | 292,546   |
| Poultry grit .....                                      | tons         | —           | —             | —         | 150        | 6,927      | —       | 3,315            | 12,509    |
| \$ —  | —            | —           | —             | —         | 1,770      | 66,818     | —       | 20,575           | 119,454   |
| Stucco dash .....                                       | tons         | —           | —             | —         | 1,700      | 2,612      | —       | —                | 2,946     |
| \$ —  | —            | —           | —             | —         | 22,100     | 26,747     | —       | —                | 89,153    |
| Terrazzo chips .....                                    | tons         | —           | —             | —         | 5,840      | 7,109      | —       | —                | 12,949    |
| \$ —  | —            | —           | —             | —         | 69,188     | 94,073     | —       | —                | 163,261   |
| Rock wool .....   | tons         | —           | —             | 300       | —          | —          | —       | —                | 300       |
| \$ —  | —            | —           | —             | 425       | —          | —          | —       | —                | 425       |
| Rubble and riprap .....                                 | tons         | —           | 16,767        | 13,000    | 345,198    | 346,525    | 9,048   | 2,230            | 867,412   |
| \$ —  | —            | 33,450      | 13,000        | 369,688   | 826,470    | 12,498     | 4,460   | 864,139          | 2,123,705 |
| Crushed stone:  |              |             |               |           |            |            |         |                  |           |
| Concrete aggregate .....                                | tons         | 18,972      | 10,000        | 10,395    | 4,415,330  | 1,155,759  | —       | —                | 5,610,456 |
| \$ —  | —            | 31,940      | 20,000        | 31,815    | 4,968,187  | 1,364,390  | —       | —                | 6,416,332 |
| Road metal .....  | tons         | 11,486      | 134,435       | 751,293   | 1,370,150  | 5,175,439  | 343,536 | —                | 283,142   |
| \$ —  | —            | 30,482      | 293,939       | 270,244   | 1,522,739  | 5,440,682  | 272,299 | —                | 275,567   |
| Railroad ballast .....                                  | tons         | —           | —             | —         | 461,416    | 450,498    | 47      | —                | 932       |
| \$ —  | —            | —           | —             | —         | 599,152    | 393,717    | 59      | —                | 912,893   |
| Total .....   | tons         | 466,440     | 270,181       | 879,504   | 7,177,263  | 8,080,087  | 383,134 | 13,310           | 1,406,787 |
| \$ —  | —            | 792,319     | 746,919       | 689,524   | 12,811,218 | 10,396,650 | 996,239 | 46,820           | 2,170,079 |
| Per cent of total .....                                 | Quan.        | 2.50        | 1.45          | 4.71      | 38.43      | 43.26      | 2.05    | .07              | 7.53      |
|   | \$           | 2.76        | 2.61          | 2.41      | 44.71      | 36.29      | 3.48    | .16              | 7.58      |
|   |              |             |               |           |            |            |         |                  | 100.00    |

1. Includes the production of slate and marl.

TABLE 4. Production (Sales) of Stone<sup>1</sup> From Canadian Quarries, by Provinces, Showing Purposes For Which Used, 1951 and 1952 - Concluded

| For use as follows                                      | Newfoundland | Nova Scotia | New Brunswick | Quebec  | Ontario    | Manitoba   | Alberta | British Columbia | Canada     |
|---|--------------|-------------|---------------|---------|------------|------------|---------|------------------|------------|
| 1952  |              |             |               |         |            |            |         |                  |            |
| Building stone:   |              |             |               |         |            |            |         |                  |            |
| Rough .....   | tons         | -           | 825           | 200     | 15,931     | 29,620     | -       | 1,773            | 48,149     |
| \$ .....  |              | -           | 5,100         | 500     | 210,915    | 279,530    | -       | 27,168           | 523,213    |
| Dressed .....   | tons         | -           | 516           | 1,700   | 42,012     | 9,076      | 5,299   | 2,453            | 61,056     |
| \$ .....  |              | -           | 40,451        | 108,000 | 2,801,680  | 179,383    | 420,013 | 155,550          | 3,706,577  |
| Monumental and ornamental stone:                        |              |             |               |         |            |            |         |                  |            |
| Rough .....   | tons         | 199         | -             | 400     | 4,886      | 763        | -       | 602              | 6,850      |
| \$ .....  |              | 610         | -             | 10,000  | 125,363    | 12,682     | -       | 18,075           | 166,730    |
| Dressed .....   | tons         | -           | 824           | -       | 4,147      | -          | -       | 127              | 5,098      |
| \$ .....  |              | -           | 111,984       | -       | 758,250    | -          | -       | 8,455            | 878,699    |
| Flagstone .....   | tons         | -           | -             | 25      | 1,467      | 3,907      | 114     | -                | 5,513      |
| \$ .....  |              | -           | -             | 500     | 21,687     | 36,873     | 570     | -                | 59,630     |
| Curbstone .....   | tons         | -           | -             | -       | 430        | -          | -       | -                | 430        |
| \$ .....  |              | -           | -             | -       | 10,317     | -          | -       | -                | 10,317     |
| Paving blocks .....                                     | tons         | -           | -             | -       | 976        | 100        | -       | -                | 1,076      |
| \$ .....  |              | -           | -             | -       | 16,294     | 3,500      | -       | -                | 19,794     |
| Chemical and metallurgical:                             |              |             |               |         |            |            |         |                  |            |
| Lining open-hearth furnaces tons                        |              | -           | -             | -       | 88,777     | 3,783      | -       | -                | 92,560     |
| \$ .....  |              | -           | -             | -       | 110,971    | 7,458      | -       | -                | 118,429    |
| Flux in iron and steel furnaces .....                   | tons         | 413,874     | 25,572        | 89      | 3,388      | 616,480    | 1,054   | -                | 1,060,457  |
| \$ .....  |              | 620,811     | 58,815        | 327     | 5,019      | 786,694    | 3,268   | -                | 1,474,934  |
| Flux in non-ferrous smelters tons                       |              | -           | -             | -       | 93         | 114,024    | -       | -                | 46,707     |
| \$ .....  |              | -           | -             | -       | 126        | 134,188    | -       | -                | 41,707     |
| Glass factories .....                                   | tons         | -           | -             | -       | 960        | 12,502     | -       | 7,100            | 9,629      |
| \$ .....  |              | -           | -             | -       | 2,966      | 28,397     | -       | 14,200           | 30,191     |
| Pulp and paper mills .....                              | tons         | 23,557      | 7,785         | 6,396   | 158,668    | 86,200     | 8,410   | -                | 456,522    |
| \$ .....  |              | 72,960      | 24,522        | 20,467  | 468,741    | 183,794    | 35,352  | -                | 504,532    |
| Sugar refineries .....                                  | tons         | -           | -             | 103     | -          | 8,831      | -       | -                | 8,934      |
| \$ .....  |              | -           | -             | 721     | -          | 10,545     | -       | -                | 11,266     |
| Other chemical uses .....                               | tons         | -           | -             | -       | 320        | 16,848     | -       | 6,558            | 23,726     |
| \$ .....  |              | -           | -             | -       | 1,200      | 15,762     | -       | 33,337           | 50,299     |
| Pulverized stone:                                       |              |             |               |         |            |            |         |                  |            |
| Whiting (substitute) .....                              | tons         | -           | -             | -       | 12,481     | 4,746      | -       | -                | 300        |
| \$ .....  |              | -           | -             | -       | 149,772    | 34,672     | -       | -                | 3,600      |
| Asphalt filler .....                                    | tons         | -           | -             | 486     | 13,454     | 20,507     | 2,559   | -                | 37,006     |
| \$ .....  |              | -           | -             | 3,402   | 53,400     | 99,951     | 2,559   | -                | 159,312    |
| Dusting coal mines .....                                | tons         | -           | -             | -       | -          | -          | -       | 1,265            | 225        |
| \$ .....  |              | -           | -             | -       | -          | -          | -       | 6,325            | 1,490      |
| Agricultural purposes and fertilizer plants .....       | tons         | -           | 47,802        | 54,251  | 245,723    | 83,902     | 1,938   | 2,090            | 28,919     |
| \$ .....  |              | -           | 117,177       | 224,034 | 508,435    | 222,837    | 2,596   | 10,450           | 105,979    |
| Other uses .....  | tons         | -           | -             | -       | 22,266     | 19,787     | 3,475   | -                | 75         |
| \$ .....  |              | -           | -             | -       | 64,548     | 82,589     | 4,594   | -                | 900        |
| Crushed stone for manufacture of artificial stone ..... | tons         | -           | -             | -       | 2,034      | 3,033      | -       | -                | 5,067      |
| \$ .....  |              | -           | -             | -       | 13,662     | 24,233     | -       | -                | 37,895     |
| Roofing granules .....                                  | tons         | -           | -             | -       | -          | 118,803    | -       | 530              | 1,610      |
| \$ .....  |              | -           | -             | -       | -          | 173,643    | -       | 2,650            | 21,026     |
| Poultry grit .....                                      | tons         | -           | -             | -       | 168        | 6,086      | -       | 690              | 2,777      |
| \$ .....  |              | -           | -             | -       | 2,355      | 60,189     | -       | 4,406            | 41,336     |
| Stucco dash .....                                       | tons         | -           | -             | -       | 2,100      | 1,903      | -       | -                | 2,880      |
| \$ .....  |              | -           | -             | -       | 29,400     | 23,622     | -       | -                | 6,883      |
| Terrazzo chips .....                                    | tons         | -           | -             | -       | 6,369      | 8,807      | -       | -                | 15,176     |
| \$ .....  |              | -           | -             | -       | 82,955     | 125,043    | -       | -                | 207,998    |
| Rock wool .....   | tons         | -           | -             | -       | -          | -          | -       | 4,540            | 4,540      |
| \$ .....  |              | -           | -             | -       | -          | -          | -       | 21,131           | 21,131     |
| Rubble and riprap .....                                 | tons         | -           | 15,137        | 8,000   | 1,149,143  | 211,720    | 12,510  | -                | 581,345    |
| \$ .....  |              | -           | 37,542        | 8,500   | 1,479,021  | 241,294    | 13,019  | -                | 656,391    |
| Crushed stone:  |              |             |               |         |            |            |         |                  |            |
| Concrete aggregate .....                                | tons         | 11,974      | 9,663         | -       | 4,438,646  | 1,444,201  | 88,244  | -                | 117,353    |
| \$ .....  |              | 33,120      | 23,191        | -       | 6,420,491  | 1,548,319  | 88,051  | -                | 224,706    |
| Road metal .....  | tons         | 26,100      | 232,474       | 89,294  | 1,468,998  | 4,468,933  | 113,429 | -                | 473,735    |
| \$ .....  |              | 40,825      | 440,726       | 99,654  | 1,788,811  | 4,931,095  | 110,298 | -                | 500,801    |
| Railroad ballast .....                                  | tons         | -           | -             | -       | 236,316    | 837,855    | -       | -                | 1,159      |
| \$ .....  |              | -           | -             | -       | 266,725    | 954,867    | -       | -                | 4,019      |
| Total .....   | tons         | 475,704     | 340,396       | 160,944 | 7,830,976  | 8,217,411  | 240,815 | 22,773           | 18,726,196 |
| \$ .....  |              | 768,326     | 859,508       | 476,105 | 15,282,133 | 10,303,173 | 687,778 | 92,498           | 2,363,834  |
| Per cent of total.....                                  | Quan.        | 2.54        | 1.82          | 0.86    | 41.82      | 43.88      | 1.28    | 0.12             | 7.68       |
|   | \$           | 2.49        | 2.78          | 1.54    | 49.56      | 33.41      | 2.23    | 0.32             | 7.67       |
|   |              |             |               |         |            |            |         |                  | 100.00     |

1. Includes the production of slate and marl.

## THE STONE INDUSTRY

T-7

TABLE 3. Production (Sales) of Stone From Canadian Quarries, by Kinds, Showing Purposes For Which Used, 1931 and 1932

| For use as follows                                   | Granite <sup>1</sup> | Limestone <sup>2</sup> | Marble                   | Sandstone         | Slate                  | Total           |                          |
|--|----------------------|------------------------|--------------------------|-------------------|------------------------|-----------------|--------------------------|
| 1951   |                      |                        |                          |                   |                        |                 |                          |
| <b>Building stone:</b>                               |                      |                        |                          |                   |                        |                 |                          |
| Rough .....  | tons<br>\$           | 9,668<br>124,156       | 42,767<br>457,594        | 121<br>7,442      | 11,310<br>133,908      | —<br>—          | 63,866<br>723,100        |
| Dressed .....  | tons<br>\$           | 18,934<br>1,458,910    | 38,066<br>2,252,313      | 82<br>21,812      | 3,237<br>119,186       | —<br>—          | 60,319<br>3,852,221      |
| <b>Monumental and ornamental stone:</b>              |                      |                        |                          |                   |                        |                 |                          |
| Rough .....  | tons<br>\$           | 6,973<br>164,963       | 348<br>1,697             | 284<br>12,944     | —<br>—                 | —<br>—          | 7,605<br>179,604         |
| Dressed .....  | tons<br>\$           | 6,411<br>898,439       | —<br>—                   | —<br>—            | 100<br>8,116           | —<br>—          | 6,511<br>906,555         |
| Flagstone .....                                      | tons<br>\$           | 1,019<br>3,585         | 1,854<br>39,142          | —<br>—            | 4,480<br>42,217        | —<br>—          | 7,353<br>84,944          |
| Curbstone .....                                      | tons<br>\$           | 38<br>1,652            | —<br>—                   | —<br>—            | —<br>—                 | —<br>—          | 38<br>1,652              |
| Paving blocks .....                                  | tons<br>\$           | 865<br>13,148          | —<br>—                   | —<br>—            | —<br>—                 | —<br>—          | 865<br>13,148            |
| <b>Chemical and metallurgical:</b>                   |                      |                        |                          |                   |                        |                 |                          |
| Lining open-hearth furnaces .....                    | tons<br>\$           | —<br>—                 | 38,564<br>54,322         | —<br>—            | —<br>—                 | —<br>—          | 38,564<br>54,322         |
| Flux in iron and steel furnaces .....                | tons<br>\$           | —<br>—                 | 899,206<br>1,251,490     | —<br>—            | 1,736<br>14,180        | —<br>—          | 900,942<br>1,265,670     |
| Flux in non-ferrous smelters .....                   | tons<br>\$           | —<br>—                 | 137,628<br>145,591       | 80<br>240         | —<br>—                 | —<br>—          | 137,708<br>145,831       |
| Glass factories .....                                | tons<br>\$           | —<br>—                 | 20,471<br>42,747         | —<br>—            | —<br>—                 | —<br>—          | 20,471<br>42,747         |
| Pulp and paper mills .....                           | tons<br>\$           | —<br>—                 | 441,900<br>1,085,427     | 22,873<br>72,672  | —<br>—                 | —<br>—          | 464,773<br>1,158,099     |
| Sugar refineries .....                               | tons<br>\$           | —<br>—                 | 56<br>319                | —<br>—            | —<br>—                 | —<br>—          | 56<br>319                |
| Other chemical uses .....                            | tons<br>\$           | —<br>—                 | 8,742<br>10,945          | —<br>—            | —<br>—                 | —<br>—          | 8,742<br>10,945          |
| <b>Pulverized stone:</b>                             |                      |                        |                          |                   |                        |                 |                          |
| Whiting (substitute) .....                           | tons<br>\$           | —<br>—                 | 6,280<br>44,687          | 12,100<br>146,040 | —<br>—                 | —<br>—          | 18,380<br>190,727        |
| Asphalt filler .....                                 | tons<br>\$           | 5,000<br>5,000         | 37,204<br>129,640        | —<br>—            | —<br>—                 | 1,958<br>17,330 | 44,162<br>151,970        |
| Dusting coal mines .....                             | tons<br>\$           | —<br>—                 | 1,460<br>7,558           | —<br>—            | —<br>—                 | —<br>—          | 1,460<br>7,558           |
| Agricultural purposes and fertilizer plants .....    | tons<br>\$           | 18<br>216              | 567,300<br>1,361,215     | 3,700<br>6,889    | —<br>—                 | —<br>—          | 571,018<br>1,368,320     |
| Other uses .....                                     | tons<br>\$           | —<br>—                 | 39,368<br>144,971        | 1,470<br>13,920   | —<br>—                 | —<br>—          | 40,838<br>158,891        |
| Crushed stone for manufacture of artificial stoneton | tons<br>\$           | —<br>—                 | 2,000<br>16,000          | 1,615<br>10,156   | —<br>—                 | —<br>—          | 2,615<br>26,156          |
| Roofing granules .....                               | tons<br>\$           | 49,625<br>236,109      | 892<br>7,135             | —<br>—            | —<br>—                 | 2,877<br>49,302 | 53,394<br>292,546        |
| Poultry grit .....                                   | tons<br>\$           | 2,441<br>35,237        | 9,077<br>77,818          | 991<br>6,399      | —<br>—                 | —<br>—          | 12,509<br>119,454        |
| Stucco dash .....                                    | tons<br>\$           | 1,072<br>15,397        | 2,822<br>36,856          | 3,364<br>36,900   | —<br>—                 | —<br>—          | 7,258<br>89,153          |
| Terrazzo chips .....                                 | tons<br>\$           | —<br>—                 | 901<br>7,753             | 12,048<br>155,508 | —<br>—                 | —<br>—          | 12,949<br>163,261        |
| Rock wool .....                                      | tons<br>\$           | —<br>—                 | —<br>—                   | —<br>—            | 300<br>425             | —<br>—          | 300<br>425               |
| Rubble and riprap .....                              | tons<br>\$           | 1,022,908<br>1,367,964 | 492,597<br>636,646       | —<br>—            | 83,849<br>118,269      | 826<br>826      | 1,600,180<br>2,123,705   |
| <b>Crushed stone:</b>                                |                      |                        |                          |                   |                        |                 |                          |
| Concrete aggregate .....                             | tons<br>\$           | 418,685<br>701,430     | 5,140,100<br>5,594,003   | —<br>—            | 51,671<br>120,899      | —<br>—          | 5,610,456<br>6,416,332   |
| Road metal .....                                     | tons<br>\$           | 368,881<br>892,850     | 6,928,410<br>6,887,972   | 5,254<br>1,898    | 766,936<br>323,232     | —<br>—          | 8,069,481<br>8,105,952   |
| Railroad ballast .....                               | tons<br>\$           | 38,026<br>95,065       | 673,935<br>607,863       | —<br>—            | 200,932<br>293,233     | —<br>—          | 912,893<br>996,161       |
| <b>Total<sup>2</sup></b> .....                       | tons<br>\$           | 1,950,564<br>6,014,121 | 15,531,948<br>20,901,704 | 63,982<br>492,820 | 1,124,551<br>1,173,665 | 5,661<br>67,458 | 18,876,708<br>28,649,768 |

1. Includes all igneous rock.

2. Does not include limestone used in Canadian lime and cement industries but includes marl used for agricultural purposes.

TABLE 3. Production ( Sales) of Stone From Canadian Quarries, by Kinds, Showing Purposes For Which Used,  
1951 and 1952 — Concluded

| For use as follows                                | Granite <sup>1</sup> | Limestone <sup>2</sup> | Marble                   | Sandstone         | Slate              | Total           |                          |
|---|----------------------|------------------------|--------------------------|-------------------|--------------------|-----------------|--------------------------|
| 1952  |                      |                        |                          |                   |                    |                 |                          |
| Building stone:                                   |                      |                        |                          |                   |                    |                 |                          |
| Rough .....                                       | tons<br>\$           | 12,394<br>202,684      | 24,054<br>219,696        | 423<br>7,574      | 11,278<br>93,259   | —<br>—          | 48,149<br>523,213        |
| Dressed .....                                     | tons<br>\$           | 19,305<br>1,301,785    | 39,419<br>2,245,502      | 77<br>19,152      | 2,255<br>140,138   | —<br>—          | 61,056<br>3,706,577      |
| Monumental and ornamental stone:                  |                      |                        |                          |                   |                    |                 |                          |
| Rough .....                                       | tons<br>\$           | 5,888<br>153,438       | 199<br>610               | 223<br>9,442      | 540<br>3,240       | —<br>—          | 6,850<br>166,730         |
| Dressed .....                                     | tons<br>\$           | 5,098<br>878,699       | —<br>—                   | —<br>—            | —<br>—             | —<br>—          | 5,098<br>878,699         |
| Flagstone .....                                   | tons<br>\$           | 726<br>5,031           | 1,133<br>20,965          | —<br>—            | 3,654<br>33,634    | —<br>—          | 5,513<br>59,630          |
| Curbstone .....                                   | tons<br>\$           | 430<br>10,317          | —<br>—                   | —<br>—            | —<br>—             | —<br>—          | 430<br>10,317            |
| Paving blocks .....                               | tons<br>\$           | 976<br>16,294          | —<br>—                   | —<br>—            | 100<br>3,500       | —<br>—          | 1,076<br>19,794          |
| Chemical and metallurgical:                       |                      |                        |                          |                   |                    |                 |                          |
| Lining open-hearth furnaces .....                 | tons<br>\$           | —<br>—                 | 92,560<br>118,429        | —<br>—            | —<br>—             | —<br>—          | 92,560<br>118,429        |
| Flux in iron and steel furnaces .....             | tons<br>\$           | —<br>—                 | 1,059,148<br>1,464,135   | —<br>—            | 1,309<br>10,799    | —<br>—          | 1,060,457<br>1,474,934   |
| Flux in non-ferrous smelters .....                | tons<br>\$           | —<br>—                 | 160,800<br>175,838       | 24<br>183         | —<br>—             | —<br>—          | 160,824<br>176,021       |
| Glass factories .....                             | tons<br>\$           | —<br>—                 | 30,191<br>58,282         | —<br>—            | —<br>—             | —<br>—          | 30,191<br>58,282         |
| Pulp and paper mills .....                        | tons<br>\$           | —<br>—                 | 440,780<br>1,260,417     | 15,742<br>49,951  | —<br>—             | —<br>—          | 456,522<br>1,310,368     |
| Sugar refineries .....                            | tons<br>\$           | —<br>—                 | 8,934<br>11,266          | —<br>—            | —<br>—             | —<br>—          | 8,934<br>11,266          |
| Other chemical uses .....                         | tons<br>\$           | —<br>—                 | 23,726<br>50,299         | —<br>—            | —<br>—             | —<br>—          | 23,726<br>50,299         |
| Pulverized stone:                                 |                      |                        |                          |                   |                    |                 |                          |
| Whiting ( substitute) .....                       | tons<br>\$           | —<br>—                 | 5,046<br>38,272          | 12,481<br>149,772 | —<br>—             | —<br>—          | 17,527<br>188,044        |
| Asphalt filler .....                              | tons<br>\$           | —<br>—                 | 37,006<br>159,312        | —<br>—            | —<br>—             | —<br>—          | 37,006<br>159,312        |
| Dusting coal mines .....                          | tons<br>\$           | —<br>—                 | 1,490<br>8,125           | —<br>—            | —<br>—             | —<br>—          | 1,490<br>8,125           |
| Agricultural purposes and fertilizer plants       | tons                 | —                      | 461,930                  | 2,695             | —                  | —               | 464,625                  |
| .....   | \$                   | —                      | 1,185,252                | 6,256             | —                  | —               | 1,191,508                |
| Other uses .....                                  | tons<br>\$           | —<br>—                 | 43,503<br>137,931        | 2,100<br>14,700   | —<br>—             | —<br>—          | 45,603<br>152,631        |
| Crushed stone for manufacture of artificial stone | tons                 | —                      | 3,244                    | 1,823             | —                  | —               | 5,067                    |
| .....   | \$                   | —                      | 24,544                   | 13,351            | —                  | —               | 37,895                   |
| Roofing granules .....                            | tons<br>\$           | 112,141<br>158,580     | 8,052<br>24,163          | —<br>—            | —<br>—             | 750<br>14,576   | 120,943<br>197,319       |
| Poultry grit .....                                | tons<br>\$           | 2,910<br>47,700        | 5,806<br>53,947          | 1,005<br>6,639    | —<br>—             | —<br>—          | 9,721<br>108,286         |
| Stucco dash .....                                 | tons<br>\$           | 608<br>13,160          | 2,872<br>35,900          | 3,403<br>40,022   | —<br>—             | —<br>—          | 6,883<br>89,082          |
| Terrazzo chips .....                              | tons<br>\$           | —<br>—                 | 846<br>7,481             | 14,330<br>200,517 | —<br>—             | —<br>—          | 15,176<br>207,998        |
| Rock wool .....                                   | tons<br>\$           | —<br>—                 | 4,540<br>21,131          | —<br>—            | —<br>—             | —<br>—          | 4,540<br>21,131          |
| Rubble and riprap .....                           | tons<br>\$           | 708,983<br>916,712     | 1,222,961<br>1,434,000   | 3,061<br>5,520    | 42,350<br>79,035   | 500<br>500      | 1,977,855<br>2,435,767   |
| Crushed stone:                                    |                      |                        |                          |                   |                    |                 |                          |
| Concrete aggregate .....                          | tons<br>\$           | 1,185,750<br>2,618,168 | 4,873,693<br>5,591,597   | 100<br>150        | 50,538<br>125,963  | —<br>—          | 6,110,081<br>8,335,878   |
| Road metal .....                                  | tons<br>\$           | 424,302<br>978,017     | 6,342,270<br>6,776,894   | 150<br>1,554      | 106,241<br>155,745 | —<br>—          | 6,872,963<br>7,912,210   |
| Railroad ballast .....                            | tons<br>\$           | 10,575<br>26,437       | 1,063,596<br>1,195,155   | —<br>—            | 1,159<br>4,019     | —<br>—          | 1,075,330<br>1,225,611   |
| <b>Total<sup>2</sup></b> .....                    | tons<br>\$           | 2,490,086<br>7,327,022 | 15,957,799<br>22,319,143 | 57,637<br>524,783 | 219,424<br>649,332 | 1,250<br>15,076 | 18,726,196<br>30,835,356 |

1. Includes all igneous rock.

2. Does not include limestone used in Canadian lime and cement industries but includes marl used for agricultural purposes.

TABLE 6. Production of Stone For Building Purposes, Chemical Use, Cement Manufacture, Concrete Aggregate, Road Metal and Railroad Ballast, 1943-1952

| Year       | Building stone | For chemical purposes <sup>1</sup> | For concrete aggregate | For road metal         | For railroad ballast   | For cement manufacture <sup>2</sup> |
|------------|----------------|------------------------------------|------------------------|------------------------|------------------------|-------------------------------------|
| 1943 ..... | tons<br>\$     | 17,087<br>314,428                  | 1,329,226<br>1,330,127 | 1,981,222<br>1,727,889 | 2,108,428<br>1,989,509 | 852,928<br>704,389                  |
| 1944 ..... | tons<br>\$     | 23,142<br>396,202                  | 1,109,362<br>1,170,372 | 1,852,335<br>1,600,692 | 1,498,258<br>1,352,796 | 869,042<br>688,471                  |
| 1945 ..... | tons<br>\$     | 56,711<br>751,401                  | 1,051,514<br>1,215,169 | 1,908,460<br>1,596,256 | 1,552,839<br>1,468,045 | 820,987<br>678,205                  |
| 1946 ..... | tons<br>\$     | 70,928<br>1,411,298                | 871,148<br>1,064,065   | 2,473,643<br>2,154,069 | 2,472,033<br>2,215,167 | 1,127,775<br>971,595                |
| 1947 ..... | tons<br>\$     | 102,841<br>2,098,865               | 1,204,601<br>1,746,172 | 3,178,063<br>3,336,871 | 4,177,636<br>4,007,730 | 898,612<br>774,878                  |
| 1948 ..... | tons<br>\$     | 80,113<br>2,296,320                | 975,661<br>1,452,611   | 2,997,809<br>3,116,424 | 4,568,701<br>4,558,882 | 978,325<br>974,371                  |
| 1949 ..... | tons<br>\$     | 89,702<br>2,439,600                | 1,330,110<br>2,060,085 | 3,541,542<br>3,607,349 | 5,119,559<br>5,305,286 | 777,584<br>737,237                  |
| 1950 ..... | tons<br>\$     | 118,840<br>3,266,937               | 1,335,969<br>2,174,308 | 6,203,220<br>6,550,042 | 7,232,983<br>7,705,133 | 508,446<br>458,146                  |
| 1951 ..... | tons<br>\$     | 124,185<br>4,575,321               | 1,532,692<br>2,623,611 | 5,610,456<br>6,416,332 | 8,069,481<br>8,105,952 | 912,893<br>996,161                  |
| 1952 ..... | tons<br>\$     | 109,205<br>4,229,790               | 1,740,654<br>3,081,170 | 6,110,081<br>8,335,878 | 6,872,963<br>7,912,210 | 1,075,330<br>1,225,611              |

1. Does not include limestone used in Canadian lime industry which totalled 2,131,563 tons in 1952.

2. Includes shale. In 1952 the shale production totalled 142,988 tons.

TABLE 7. Imports and Exports of Stone, by Kinds, 1951 and 1952

|  | 1951          |                  | 1952                  |                  |
|--|---------------|------------------|-----------------------|------------------|
|  | Quantity      | Value            | Quantity              | Value            |
| <b>IMPORTS</b>   |               |                  |                       |                  |
| Building stone, n.o.p. ....  | cwt.<br>pairs | 362,271<br>3,247 | \$ 298,018<br>118,930 | 496,284<br>3,588 |
| Curling stones and handles therefor .....                              |               |                  |                       | 120,973          |
| Granite, rough, not hammered or chiselled .....                        | -             | -                | 146,562               | 130,194          |
| Granite, sawn only .....   | -             | -                | 41,799                | 57,924           |
| Granite, manufactures of, n.o.p. ....                                  | -             | -                | 176,073               | 182,158          |
| Marble, rough, not hammered or chiselled .....                         | -             | -                | 103,930               | 88,675           |
| Marble, sawn or sand rubbed, not polished .....                        | -             | -                | 200,820               | 122,061          |
| Marble, not further manufactured than sawn for tombstones .....        | -             | -                | 54,009                | 57,750           |
| Marble for churches .....  | -             | -                | 18,092                | 49,283           |
| Marble, manufactures of, n.o.p. ....                                   | -             | -                | 59,176                | 19,789           |
| Refuse stone .....   | tons          | 6,567            | \$ 13,744             | 3,507            |
| Slate roofing .....  | squares       | 970              | 20,653                | 1,088            |
| Slate mantels and manufactures of slate, n.o.p. ....                   | -             | -                | 49,756                | 38,518           |
| Chalk, china, cornwall or cliff stone and mica schist .....            | -             | -                | 19,382                | 3,743            |
| Mineral wool .....   | tons          | 264              | 64,443                | 324              |
| Whiting, gilders' whiting and Paris white .....                        | "             | 20,565           | 468,998               | 11,986           |
| Manufactures of stone, n.o.p. ....                                     | -             | -                | 258,775               | 97,280           |
| Chalk, prepared .....  | -             | -                | 4,811                 | 2,443            |
| Pumice and pumice stone and lava tufa .....                            | -             | -                | 128,957               | 110,369          |
| Grindstones, not mounted and not less than 36 inches in diameter ..... | No.           | 575              | 54,992                | 297              |
| Grindstones, n.o.p. ....   | "             | 2,257            | 9,865                 | 2,079            |
| Burrstones, rough, in blocks .....                                     | "             | 32               | 1,252                 | 40               |
| Ganister .....   | cwt.          | 2,886            | 2,091                 | 5,210            |
| Roofing granules .....   | tons          | 83,880           | 1,416,211             | 81,956           |
| Stone, crushed .....   | "             | 674,181          | 567,760               | 676,231          |
| <b>Total</b> .....   | -             | -                | <b>\$ 4,299,099</b>   | <b>3,852,232</b> |
| <b>EXPORTS</b>   |               |                  |                       |                  |
| Building stone, unwrought .....  | tons          | 295              | 7,205                 | 235              |
| Crushed stone .....  | "             | 5,755            | 13,247                | 11,413           |
| Granite and marble, unwrought .....                                    | "             | 3,715            | 89,001                | 1,839            |
| Dressed stone of all kinds .....                                       | -             | -                | 5,578                 | 12,246           |
| Grindstones, manufactured .....  | -             | -                | 72,128                | 20,045           |
| <b>Total</b> .....   | -             | -                | <b>187,159</b>        | <b>98,273</b>    |

TABLE 8. Workmen in the Stone Quarrying Industry, by Months, 1951 and 1952

| Month           | 1951   |        |                |        | 1952   |        |                |        |
|-----------------|--------|--------|----------------|--------|--------|--------|----------------|--------|
|                 | Quarry |        | Dressing works |        | Quarry |        | Dressing works |        |
|                 | Male   | Female | Male           | Female | Male   | Female | Male           | Female |
| Number          |        |        |                |        |        |        |                |        |
| January .....   | 1,665  | 1      | 726            | 1,845  | 2      | 755    |                | 1      |
| February .....  | 1,565  | 1      | 738            | 1,884  | 3      | 784    |                | 1      |
| March .....     | 1,728  | 1      | 783            | 1,975  | 4      | 777    |                | 1      |
| April .....     | 2,379  | 3      | 851            | 2,448  | 6      | 881    |                | 1      |
| May .....       | 3,041  | 3      | 873            | 3,066  | 7      | 945    |                | 1      |
| June .....      | 3,310  | 3      | 868            | 3,216  | 6      | 973    |                | 1      |
| July .....      | 3,331  | 3      | 898            | 3,194  | 6      | 990    |                | 1      |
| August .....    | 3,394  | 3      | 934            | 3,319  | 4      | 964    |                | 1      |
| September ..... | 3,301  | 2      | 955            | 3,246  | 3      | 924    |                | 1      |
| October .....   | 3,273  | 2      | 970            | 3,022  | 3      | 907    |                | 1      |
| November .....  | 2,941  | 2      | 931            | 2,704  | 3      | 890    |                | 1      |
| December .....  | 2,393  | 2      | 885            | 2,200  | 3      | 846    |                | 1      |
| Average .....   | 2,719  | 3      | 869            | 2,686  | 6      | 892    |                | 1      |

## GRANITE

Granite as applied to commercial stone, includes nearly all igneous rocks as well as metamorphic rocks of igneous origin, which may be quarried for use as building, monumental or crushed stone. In

the quarrying of granite for building or monumental stone there is a large quantity of irregularly shaped pieces which are used for breakwaters, road fill and crushed rock for concrete aggregate.

TABLE 9. Production of Granite<sup>1</sup>, 1943-1952

| Year       | Short tons | \$        | Year       | Short tons | \$        |
|------------|------------|-----------|------------|------------|-----------|
| 1943 ..... | 780,422    | 1,522,072 | 1948 ..... | 1,042,928  | 3,779,436 |
| 1944 ..... | 269,964    | 1,303,790 | 1949 ..... | 2,321,017  | 5,110,024 |
| 1945 ..... | 221,630    | 1,284,748 | 1950 ..... | 2,071,052  | 4,971,144 |
| 1946 ..... | 319,354    | 2,006,297 | 1951 ..... | 1,950,564  | 6,014,121 |
| 1947 ..... | 551,527    | 3,175,364 | 1952 ..... | 2,490,086  | 7,327,022 |

1. Includes all igneous rock.

## LIMESTONE

Quarries for the production of limestone for building purposes are worked in Quebec, Ontario, and Manitoba. Modern requirements of the building stone industry call for blocks of stone of large dimensions from which are sawn slabs and blocks of the exact size required for constructing the building. Although limestone is abundant in Canada the heavily bedded variety of desirable texture, free from cracks and other defects, and capable of being carved and otherwise worked, is not plentiful.

For industrial use limestone is marketed in a variety of forms ranging from huge squared blocks of dimension stone used in construction to extremely fine dust chiefly as a mineral filler. For certain uses (in the wood pulp industry, for example) the limestone quarried required little or no processing, but most of the output is crushed and screened for use as road metal, concrete aggregate, railroad bal-

last, and as flux in metallurgical plants. Large quantities are used in the manufacture of Portland cement, lime and various chemical products. Most of the limestone used in chemical and metallurgical industries is of high calcium variety, but dolomite is rapidly increasing in importance as an industrial raw material.

The use of limestone in agriculture is capable of very extensive development. Though the necessity for applying limestone or lime to agricultural land to remedy deficiencies of calcium and magnesium, to neutralize soil acidity, and to maintain or increase soil fertility has been emphasized for many years, the quantity so used in Canada is still relatively small, whereas the agricultural use of limestone could well constitute one of its most important uses both from the economic and tonnage viewpoints.

TABLE 10. Production of Limestone<sup>1</sup>, 1943-1952

| Year       | Short tons | \$         | Year       | Short tons | \$         |
|------------|------------|------------|------------|------------|------------|
| 1943 ..... | 6,265,181  | 6,105,749  | 1948 ..... | 10,003,142 | 12,523,275 |
| 1944 ..... | 5,565,286  | 5,528,459  | 1949 ..... | 10,951,312 | 13,876,845 |
| 1945 ..... | 5,677,192  | 6,284,379  | 1950 ..... | 12,267,432 | 15,964,617 |
| 1946 ..... | 7,217,600  | 8,178,513  | 1951 ..... | 15,531,948 | 20,901,704 |
| 1947 ..... | 9,497,754  | 11,966,520 | 1952 ..... | 15,957,799 | 22,319,143 |

1. Includes dolomite and marl; production of marl totalled 22,913 tons in 1943; 19,848 tons in 1944; 14,148 tons in 1945; 20,363 tons in 1946; 27,368 tons in 1947; 22,323 tons in 1948; 43,181 tons in 1949; 48,918 tons in 1950; 37,799 tons in 1951; and 48,935 tons in 1952.

## MARBLE

Ontario quarries produce about two-thirds of the Canadian output, the balance being produced in Quebec and British Columbia. Most of the marble is crushed or ground for use as terrazzo chips, poultry grit, stucco dash, whiting substitute, and as an aggregate in artificial stone.

In Quebec, clouded grey marbles and a black marble are obtained in the quarries of Missisquoi Stone and Marble Company, Limited, at Philipsburg, near the foot of Lake Champlain. Brown marble for counters and wainscoting is obtained from the building stone quarries in the Trenton limestone at St. Marc des Carrières, Portneuf county. The Orford Marble Company, Limited, produces red, green and grey serpentinous marble near North Stukely, Shefford county. The product is mainly terrazzo, but some blocks have been produced. The South Stukely Marble and Terrazzo Company, in Shefford county, produced terrazzo chips and marble dust for agricultural use. White dolomite is quarried and crushed by Canadian Dolomite Company, Limited, at Portage du Fort, Pontiac county, for terrazzo chips, stucco dash, artificial stone, and various other products.

In Ontario, black marble in blocks up to 40 inches thick is produced by Silvertone Black Marble Quarries, Limited, Ottawa, at St. Albert, 30 miles southeast of Ottawa. Buff, red, white, green and black marbles are quarried north of Madoc by Stocklosar Marble Quarries. The Verona Rock Products Limited, at Verona, about 20 miles northwest of Kingston, produces poultry grit and stucco dash from white limestone. Bolender's Limited produces poultry grit, stucco dash and plaster aggregate from a deposit eight miles north of Haliburton at Eagle Lake. The Pulverized Marble Products, Limited, shipped from a crystalline dolomite deposit near Kaladar.

In Manitoba, a number of highly coloured marbles are available along the Flin Flon and Hudson Bay railroads, and also at Fisher Branch and other places.

In British Columbia there are many deposits of marble, but there is only a small production of white by Marble and Associated Products from a quarry near Victoria.

There is a wide range in the price of marble depending upon the quality and rareness of colouring.

TABLE 11. Production of Marble, 1943-1952

| Year       | Short tons | \$      | Year       | Short tons | \$      |
|------------|------------|---------|------------|------------|---------|
| 1943 ..... | 11,848     | 68,022  | 1948 ..... | 68,347     | 528,529 |
| 1944 ..... | 11,829     | 85,374  | 1949 ..... | 52,152     | 446,905 |
| 1945 ..... | 13,388     | 113,337 | 1950 ..... | 55,179     | 436,502 |
| 1946 ..... | 21,796     | 201,817 | 1951 ..... | 63,982     | 492,820 |
| 1947 ..... | 45,574     | 326,605 | 1952 ..... | 57,637     | 524,783 |

## SANDSTONE

Canadian sandstone has been utilized extensively in the construction of many important public buildings in Canada, and is finding increasing favour as a material in the construction of the better type home. The rock occurs in Canada in a variety of colours, including white, reddish brown, yellow and grey. Shipments of sandstone were made in 1951 from quarries located in all of the provinces with the exception of Prince Edward Island, Manitoba, Saskatchewan and Alberta.

The greater part of the crude output in 1951 was employed as rubble and riprap and in the crushed state for concrete, highway construction and railroad ballasting. Sandstone in New Brunswick and Nova Scotia has been employed in the manufacture of abrasive wheels and sharpening stones; such production is included with natural abrasives manufacture. Crude, crushed or ground quartzite sold for fluxing purposes or as silica sand is included under quartz as production.

TABLE 12. Production of Sandstone, 1943-1952

| Year       | Short tons | \$      | Year       | Short tons | \$        |
|------------|------------|---------|------------|------------|-----------|
| 1943 ..... | 164,163    | 250,603 | 1948 ..... | 577,887    | 1,065,829 |
| 1944 ..... | 146,766    | 223,453 | 1949 ..... | 596,989    | 1,014,084 |
| 1945 ..... | 291,430    | 466,397 | 1950 ..... | 3,685,070  | 4,418,059 |
| 1946 ..... | 495,777    | 778,213 | 1951 ..... | 1,124,551  | 1,173,665 |
| 1947 ..... | 792,900    | 975,394 | 1952 ..... | 219,424    | 649,332   |

## SLATE

Canadian slate production in 1951 came entirely from the provinces of Quebec and British Columbia, and represented shipments of the stone in the form of granules for roofing purposes, riprap and asphalt

filling. No Canadian deposits of slate suitable for the production of high grade roofing slates or shingles have been reported as being under development in recent years.

TABLE 13. Production of Slate, 1943-1952

| Year       | Short tons | \$     | Year       | Short tons | \$      |
|------------|------------|--------|------------|------------|---------|
| 1943 ..... | 1,336      | 17,733 | 1948 ..... | 4,339      | 51,484  |
| 1944 ..... | 1,147      | 18,101 | 1949 ..... | 6,569      | 80,215  |
| 1945 ..... | 1,915      | 17,839 | 1950 ..... | 8,331      | 105,035 |
| 1946 ..... | 1,733      | 20,871 | 1951 ..... | 5,661      | 67,458  |
| 1947 ..... | 1,633      | 20,866 | 1952 ..... | 1,250      | 15,076  |

## ROOFING GRANULES

The greater part of the roofing granules output in Canada comes from Ontario deposits, the remainder from Quebec and British Columbia. More than half of the tonnage used is imported from the United States. Rock suitable for roofing granules is quarried in the Madoc area in Ontario, and in British Columbia. The only plant in Canada which colours the granules is located at Havelock, Ontario. The Wendell Mineral Products, Limited, has built a plant at Landrienne, east of Amos, Quebec, where a grey rhyolite is crushed to size and artificially coloured.

Rocks suitable for granules should be fairly hard, and tough enough to withstand breakage and

dusting through handling with mechanical equipment; should be fine-grained with low porosity to withstand weathering effects from freezing and thawing; and should contain no "foreign materials" such as carbonates, feldspars, mica, sulphides, fibrous minerals, etc., that would deteriorate through natural weathering agencies or through poor adhesion to the asphalt. They should be opaque to the transmission of the actinic rays of the sun, and not allow the passage of ultra-violet or infra-red rays to the underlying asphalt; should "break well"; and should be uniformly textured to take "artificial colouring" well so that no blotchy effect is apparent in the shingles on a roof; light coloured rock being preferable to dark coloured.

## List of Firms in the Stone Quarrying Industry - 1952

| Name  | Head office address                          | Location                                 |
|---|--|--|
| <b>NEWFOUNDLAND:</b>  |  |  |
| Newfoundland Department of Highways .....                     | St. John's .....                             | Various                                  |
| <b>NOVA SCOTIA:</b>   |  |  |
| Dauphinee, W.T. ....  | P.O. Box 68, Shelburne.....                  | Birchtown                                |
| Municipal Spraying and Contracting Ltd. ....                  | 1350 Barrington St., Halifax.....            | Bedford                                  |
| Nictaux Granite Canada Ltd. <sup>2</sup> .....                | P.O. Box 299, Middleton.....                 | Nictaux                                  |
| Nixon Granite Work <sup>2</sup> .....                         | R.R. 3, Middleton .....                      | Nictaux West                             |
| Nova Scotia Department of Highways .....                      | Halifax.....                                 | Various                                  |
| Scott, T.W., & Co. <sup>2</sup> .....                         | Box 336, Middleton .....                     | Nictaux West                             |
| <b>NEW BRUNSWICK:</b>   |  |  |
| Connolly, J.E. & D.P. <sup>1</sup> .....                      | Bathurst .....                               | South Bathurst                           |
| Milne Coutts & Co. Ltd. <sup>2</sup> .....                    | St. George .....                             | St. George                               |
| Stults Monument Works <sup>2</sup> .....                      | Saint John .....                             | Hampstead                                |
| <b>QUEBEC:</b>  |  |  |
| Adu Granite Inc. <sup>2</sup> .....                           | P.O. Box 83, Montreal .....                  | Beebe                                    |
| Angus Robertson Ltd. ....                                     | 5035 Western Ave., Montreal .....            | Baie Comeau                              |
| Atlas Granite Co. Ltd. ....                                   | Guenette .....                               | Guenette                                 |
| Belanger, Philippe .....                                      | 10 Bellevue St., Shawinigan Falls .....      | Shawinigan Falls                         |
| Bolduc, Antonio <sup>2</sup> .....                            | St-Sébastien .....                           | Ste-Cécile                               |
| Bouchard, T. Albert .....                                     | La Tuque .....                               | La Tuque                                 |
| Brodies Ltd. <sup>2</sup> .....                               | 1070 Bleury St., Montreal .....              | Graniteville, Guenette and Mount Johnson |
| Brussière & Frère Enrg. <sup>2</sup> .....                    | St-Sébastien .....                           | St-Sébastien                             |
| Canada Black Granite Co. Ltd <sup>2</sup> .....               | 316 Latulippe St. W., Rouyn .....            | Beaudry                                  |
| Carrière St-Francis Xavier .....                              | Grand'Mère .....                             | Grand'Mère                               |
| Carrière Shawinigan Enrg. <sup>2</sup> .....                  | Shawinigan Falls .....                       | Glenada                                  |
| Cartier-McNamara-Mannix-Morrison-Knudsen .....                | Seven Islands .....                          | Seven Islands                            |
| Cloutier, R.L. <sup>2</sup> .....                             | Beebe .....                                  | Beebe                                    |
| Delwaide & Goffin Enrg. <sup>2</sup> .....                    | 1105 St. Valier St., Quebec .....            | Ste. Anne                                |
| Deschambault Quarry Corp. <sup>2</sup> .....                  | 5000-13 1 <sup>re</sup> ave., Montréal ..... | St.-Gérard                               |
| Dubé, Normand, & Fils .....                                   | Rawcliffe .....                              | Rawcliffe                                |
| Dumas & Voyer <sup>2</sup> .....                              | Rivière-à-Pierre .....                       | Rivière-à-Pierre                         |
| Everlasting Granite Co. Ltd. (The) .....                      | Lac Megantic .....                           | St. Samuel                               |
| Foundation Co. of Canada, Ltd. ....                           | 1900 Sherbrooke St. W., Montreal .....       | Gaspe                                    |
| Fraser Brace Engineering Company Ltd. ....                    | 360 St. James St. W., Montreal .....         | Lake St. John                            |
| Gatariault & Nevers Reg'd. <sup>2</sup> .....                 | P.O. Box 65, Grenville .....                 | Grenville                                |
| Génras & Frère Ltée <sup>2</sup> .....                        | Stanhope .....                               | Stanhope                                 |
| Granit National Ltée, Le <sup>2</sup> .....                   | St-Joseph d'Alma .....                       | St-Gédéon, Ste-Anne and St-Joseph d'Alma |
| Granier, Elie .....   | Glenade .....                                | Glenade                                  |
| Koudurac Construction Ltd. ....                               | 1, rue du Trésor, Québec .....               | Roberval                                 |
| Laforce, H., & Fils, Enrg. 1 .....                            | 1327 St. Valier St., Quebec .....            | St. Anne                                 |
| Laforme, Noé .....  | Ste-Flore .....                              | Ste-Flore                                |
| Laroche, Omer <sup>2</sup> .....                              | Rivière-à-Pierre .....                       | Rivière-à-Pierre                         |
| Marvel Granite Reg'd. ....                                    | 17 Notre Dame St., Donnacona .....           | St. Raymond                              |
| Moreau, P. <sup>2</sup> .....                                 | Hebertville Station .....                    | Hebertville Station                      |
| North Shore Construction Co. Ltd. <sup>1</sup> .....          | Box 107, Station B, Montreal .....           | Saguenay Co.                             |
| Notre Dame Quarries Company Limited <sup>1</sup> .....        | Bon Conseil .....                            | Bon Conseil                              |
| Pentagon Construction Co. Ltd. ....                           | 1225 Bishop St., Montreal .....              | St-Joseph d'Alma                         |
| Poisson, M. ....  | Guenette .....                               | Guenette                                 |
| Quebec Department of Roads .....                              | Quebec .....                                 | Various                                  |
| Quebec Iron & Titanium Corporation .....                      | 1510 Drummond St., Montreal 25 .....         | Lac Allard                               |
| St. Bruno Quarry & Paving Co. Inc. ....                       | 636 Ave. Querbes, Outremont .....            | St. Bruno                                |
| St. Pierre, J. ....   | Guenette .....                               | Guenette                                 |
| St. Samuel Granite <sup>2</sup> .....                         | St. Samuel Station .....                     | St. Samuel Station                       |
| Scotstown Granite Co. Ltd. <sup>2</sup> .....                 | Cap St. Martin .....                         | Cap St. Martin                           |
| Shawinigan Engineering Co. Ltd. ....                          | 600 Dorchester St. W., Montreal .....        | Shawinigan Falls                         |
| Silver Granite Co. Ltd. <sup>2</sup> .....                    | 2251, rue Delormier, Montréal .....          | St-Samuel                                |
| Simard & Frère Cie Ltd. <sup>1</sup> .....                    | Amos .....                                   | Amos                                     |
| Stanstead Granite Quarries Company Limited <sup>2</sup> ..... | Beebe .....                                  | Graniteville                             |
| Super Service Bureau Enrg. ....                               | 141, ave Principale, Rouyn .....             | Noranda                                  |
| Vaillancourt & Frère Enrg. ....                               | Namachiche .....                             | Tadoussac                                |
| White Diamond Granite Co. Ltd. ....                           | 1043, boul. des Forges, Trois-Rivières ..... | St-Gérard                                |
| <b>ONTARIO:</b>   |  |  |
| Building Products Ltd. ....                                   | P.O. Box 6063, Montreal, Quebec .....        | Madoc and Havelock                       |
| Canadian Dredge & Dock Co. Ltd. <sup>1</sup> .....            | 302 Harbour Commission Bldg., Toronto .....  | Port Arthur                              |
| Hall, Wilfred .....   | 36 Burritt St., Parry Sound .....            | Mill Lake                                |
| Verona Rock Products Ltd. ....                                | Verona .....                                 | Verona                                   |
| <b>MANITOBA:</b>  |  |  |
| Shoal Lake, Granite Co. ....                                  | East Braintree .....                         | East Braintree                           |
| Winnipeg Marble Co. Ltd. <sup>1</sup> .....                   | 1180 Wall St., Winnipeg .....                | West Hawk Lake                           |
| <b>BRITISH COLUMBIA:</b>                                      |  |  |
| B.C. Monumental Works Ltd. <sup>1</sup> .....                 | 3096 Main St., Vancouver .....               | Granite Island                           |
| Canadian National Railways .....                              | Montreal, Quebec .....                       | Yale, Pitman, Copper Creek and Ashcroft  |
| Coast Quarries Ltd. ....                                      | 1840 West Georgia St., Vancouver .....       | Granite Falls                            |
| Gilley Bros. Ltd. ....  | 902 Columbia St., New Westminster .....      | New Westminster                          |
| Gilpin Nash Ltd. ....   | Park Royal P.O., West Vancouver .....        | Burrard                                  |
| Holley Granite Quarries Ltd. ....                             | Hedley .....                                 | Hedley                                   |
| McDonald, J.A. & C.H., Limited <sup>2</sup> .....             | 1571 Main St., Vancouver .....               | Sointula                                 |
| Nelson Granite & Monumental Co. ....                          | Nelson .....                                 | Nelson                                   |
| Trail, City of .....  | 1394 Pine Ave., Trail .....                  | Trail                                    |
| Vancouver Granite Products .....                              | Cheam-View .....                             | New Westminster                          |
| Vancouver Granite Co. Ltd <sup>2</sup> .....                  | 744 Hastings St. W., Vancouver .....         | Nelson Island                            |
| Vernon Granite & Marble Co. <sup>2</sup> .....                | 32 Coldstream Rd., Vernon .....              | Vernon                                   |
| Wilson, James S., & Co. Ltd. <sup>2</sup> .....               | Sirdar .....                                 | Sirdar                                   |

## MINERAL STATISTICS

## List of Firms in the Stone Quarrying Industry - 1952 - Continued

| Name  | Head office address   | Location  |
|---|---|---|
| LIMESTONE   |   |   |
| <b>NEWFOUNDLAND:</b><br>Bowater's Newfoundland Pulp & Paper Mills Ltd.<br>Dominion Limestone Limited<br>Newfoundland Lime Mfg. Co. Ltd.<br>Newfoundland Department of Highways  | Corner Brook<br>Aguathuna<br>St. John's<br>St. John's   | Corner Brook<br>Aguathuna<br>Cobbs Arm<br>Various   |
| <b>NOVA SCOTIA:</b><br>Cook, Bruce<br>Grant, G.W.<br>Mersey Paper Co. Ltd.<br>Mosher Limestone Co. Ltd.<br>Nova Scotia Department of Highways   | East River Point<br>Milford Station<br>Liverpool<br>Upper Musquodoboit<br>Halifax   | East River Point<br>Admiral Rock<br>East River Point<br>Upper Musquodoboit<br>Various   |
| <b>NEW BRUNSWICK:</b><br>Brookville Manufacturing Co. Ltd.<br>Canada Cement Company Limited<br>Elm Tree Limestone Co-Operative Ltd.<br>Havelock Lime Works<br>Snowflake Lime Ltd.   | Brookville<br>Box 490, Station B, Montreal, Que.<br>Nigadoo<br>Havelock<br>3 Pokiok Rd., Saint John   | Brookville<br>Havelock<br>Nigadoo<br>Havelock<br>Saint John   |
| <b>QUEBEC:</b><br>Aluminum Company of Canada Ltd.<br>Amendements Calcaires de Rivière Bleue Enrg., (Les)<br>Archambault Cut Stone Co. Ltd. <sup>2</sup><br>Beaudry, Joseph P.<br>Beco Inc.<br>Bédard, Jean, Ltée<br>Boucher, Louis<br>Canada Cement Co. Ltd.<br>Canadian Quarries Co.<br>Carrière Andorno <sup>2</sup><br>Carrière Bagot Quarry Inc. <sup>1</sup><br>Carrière Bernier Enrg.<br>Carrière Chateau Enrg.<br>Carrière du Cap St-Martin Enrg.<br>Carrière Gravel Ltée<br>Carrière Pointe Claire<br>Carrière de St-Barthélemy Ltée<br>Carrières de St-Dominique Ltée, (Les)<br>Carrière St-Maurice Inc.<br>Carrière Trois Rivières Ltée<br>Charbonneau, Lucien<br>Chartron & Fils<br>Cie de Pierre de Taille Martineau Ltée, La <sup>2</sup><br>Consumers Quarry Limited<br>Deibo Inc.<br>Département de la Justice <sup>2</sup><br>Deschambault Quarry Corp. <sup>2</sup><br>Dominion Lime Ltd.<br>Dufresne Engineering Co. Limited<br>Entreprises de l'Est Ltée<br>Faubert, A.<br>Filion, Aldège<br>Fuger & Smith Ltd.<br>Gagnon & Fils<br>Gagnon, Rosalie<br>Gauthier, Jos. O., Ltée <sup>2</sup><br>Gauthier, R. & A.<br>Gingras & Frère Ltée <sup>2</sup><br>Kennedy Construction Co. Ltd.<br>Lagacé Quarries Ltd.<br>Langlois, A.<br>Leclerc, J.J. & Fils Ltée<br>Ministère de la Voie<br>Miron Frères Ltée<br>Montreal Cut Stone Ltd. <sup>2</sup><br>Montreal Quarry Ltd.<br>National Quarries Ltd.<br>Northern Paving & Ready Mix Limited<br>Notre Dame Quarries Co., Ltd.<br>Paquet & Fils Enrg.<br>Plourde & Plourde Ltée<br>Port Daniel Quarry Reg'd.<br>Poulin, A.<br>Quebec Department of Roads<br>Roux, Raoul & Maurice<br>Rousseau, T.E.<br>St. Francis Rock Products & Equipment Ltd.<br>St. Laurent Stone Products & Supplies Ltd.<br>St. Marc Lime Reg'd.<br>Salaberry de Valleyfield, La Cité <sup>1</sup><br>Shawinigan Chemicals Ltd. | 1700 Sun Life Bldg., Montreal<br>Rivière-Bleue<br>Bélanger Village<br>133 Taché St., Joliette<br>Rimouski<br>480 Lafleur Ave., La Salle<br>Percé<br>P.O. Box 290, Station "B", Montreal<br>2251, Chemin de la Côte St-Michel<br>Cap St-Martin<br>St. Hyacinthe<br>R.R. 2, St. Jean<br>Château Richer<br>636, ave Querbes, Outremont<br>Château Richer<br>235 Montée St-Charles, Ste-Geneviève<br>St. Barthélemy<br>555, St-Denis, St-Hyacinthe<br>1497 Craig St., Trois Rivières<br>St-Louis de France<br>St-Louis de France<br>St-François de Sales<br>Bélanger Village<br>5000-13ième ave, Montreal<br>8413, houl. St-Michel, Ville St-Michel<br>North Stukely<br>Ottawa, Ontario<br>5000-13ième ave, Montréal<br>Lime Ridge<br>1832 Pie IV Blvd., Montreal<br>1055 Demontigny St., Quebec<br>Ville de Léry<br>Lachute<br>78 Victoria Ave., Pointe Claire<br>St-Joachim<br>Roberval<br>St-Marc des Carrières<br>Canton Bélanger<br>St-Marc des Carrières<br>407 McGill St., Montreal<br>130, boul. Labelle, L'Abord-à-Plouffe<br>St-Marc des Carrières<br>Drapeau<br>Québec<br>220 L, Chemin St-Michel, Montréal<br>1869, rue St-André, Montréal<br>2020 Ave. Union, Montreal<br>6301 Park Ave., Montreal<br>10122 St. Lawrence Blvd., Montreal<br>Bon Conseil<br>St-Marc des Carrières<br>Chicoutimi<br>Port Daniel Station<br>St-Féréol<br>Québec<br>Cowansville<br>Val Brillant<br>Cote Ste. Marguerite, Montreal<br>Cote Ste. Marguerite, Montreal<br>St. Marc des Carrières<br>Salaberry de Valleyfield<br>600 Dorchester St. W., Montreal | Arvida<br>Rivière-Bleue<br>Bélanger Village<br>Joliette<br>Rimouski<br>La Salle<br>Percé<br>Hull<br>St-Michel<br>Cap St-Martin<br>St. Dominique<br>St. Jean<br>Montmorency<br>Cap St-Martin<br>Château Richer<br>Pointe Claire<br>St-Barthélemy<br>St-Dominique<br>St-Louis de France<br>St-Louis de France<br>St-François de Sales<br>Bélanger Village<br>Pont Viau<br>Ville St-Michel<br>North Stukely<br>St-Vincent de Paul<br>St-Marc des Carrières<br>Lime Ridge<br>Coteau Landing<br>Pointe Basse and East Cape<br>Chateauguay Co.<br>Lachute<br>Pointe Claire<br>St-Joachim<br>Roberval<br>St-Marc des Carrières<br>Canton Bélanger<br>St-Marc des Carrières<br>Actonvale<br>L'Abord-à-Plouffe<br>St-Marc des Carrières<br>Drapeau<br>St-Charles de Bellechasse<br>Montréal<br>St-François de Sales<br>St-Michel<br>Cote St. Michel<br>Cap St. Martin<br>Bon Conseil<br>St-Marc des Carrières<br>Chicoutimi<br>Port Daniel Station<br>St-Féréol<br>Various<br>Cowansville<br>Val Brillant<br>St. Laurent<br>St. Laurent<br>St. Marc des Carrières<br>Salaberry de Valleyfield<br>Bedford |

## List of Firms in the Stone Quarrying Industry - 1952 - Continued

| Name  | Head office address                               | Location                |
|---|---|-------------------------|
| LIMESTONE - continued                                   |   |                         |
| <b>QUEBEC - concluded:</b>                              |   |                         |
| Standard Lime Co., Ltd. ....                            | Joliette .....                                    | St-Paul de Joliette     |
| Tanguay, J. ....  | Ste-Justine .....                                 | Ste-Justine             |
| Trappe de N.D. de Mistassini, La .....                  | Village des Pères .....                           | Mistassini              |
| Union des Carrières & Pavages Ltée .....                | 496- 21ème ave, Québec .....                      | Charlesbourg            |
| Union Construction Limitée .....                        | St-Jean .....                                     | St-Jean                 |
| Verreault, Elzéar, Ltée .....                           | 194, du Pont, Québec .....                        | Gifford                 |
| Viau, Paul .....  | 340, boul. du Havre, Valleyfield .....            | Valleyfield             |
| <b>ONTARIO:</b>   |   |                         |
| Abitibi Power & Paper Co. Ltd. ....                     | 408 University Ave., Toronto .....                | Bucke Tp.               |
| Armstrong Bros. Construction .....                      | Brampton .....                                    | Vinemount               |
| Bertrand & Frère Cons. Co. Ltd. ....                    | L'Orignal .....                                   | Plantagenet             |
| Bolender's Ltd. ....                                    | Haliburton .....                                  | Eagle Lake              |
| Bourgie, O.E. ....                                      | Embrun .....                                      | Embrun                  |
| Brunner Mond Canada Ltd. ....                           | Bank of Commerce Bldg., Toronto .....             | Anderdon Tp.            |
| Campbell, George, Co. ....                              | Fort Erie .....                                   | Bertie Tp.              |
| Canada Cement Co. Ltd. ....                             | P.O. Box 290, Station "B", Montreal, Quebec ..... | Thurlow Tp.             |
| Canada Crushed Stone Ltd. ....                          | 72 Sun Life Bldg., Hamilton .....                 | Dundas and Hagersville  |
| Carleton Lime Products Co. ....                         | P.O. Box 26, Carleton Place .....                 | Ramsay Tp.              |
| Chemical Lime Ltd. ....                                 | P.O. Box 122, Beachville .....                    | Beachville              |
| Coleman, Munro, Ltd. ....                               | 628 Pitt St., Cornwall .....                      | Bonville                |
| Cope, A., & Sons Ltd. ....                              | 19 Albert St., Hamilton .....                     | Saltfleet Tp.           |
| Curran & Briggs Limited .....                           | 61 Hawerson Blvd., Toronto .....                  | Cooksville              |
| Ebel, C.M. ....   | Wiarton .....                                     | Wiarton                 |
| Frazer Duntile Co. Ltd. ....                            | 130 Sparks St., Ottawa .....                      | Nepean Tp.              |
| Frontenac Quarries Ltd. ....                            | 235 Wellington St., Kingston .....                | Kingston                |
| Gypsum, Lime & Alabastine Canada Ltd. ....              | Paris .....                                       | Beachville and Hespeler |
| Hagersville Quarries Ltd. ....                          | 2700 Dufferin St., Toronto .....                  | Hagersville             |
| Haldimand Quarries & Construction Ltd. ....             | 137 Wellington St. W., Toronto .....              | Dunnville               |
| Jackson, P.L. ....                                      | Dundurn .....                                     | Horton Tp.              |
| Jamieson Lime Co. ....                                  | 110 Hall Ave., Renfrew .....                      | Brockville              |
| Johnston & Clarke .....                                 | 120 Water St. W., Brockville .....                | Ottawa                  |
| Kystone Contractors Limited .....                       | 349 Dominion Ave., Ottawa .....                   | Kingston                |
| Kingston Penitentiary .....                             | Kingston .....                                    | Kirkfield               |
| Kirkfield Crushed Stone Ltd. ....                       | 2700 Dufferin St., Toronto .....                  | Quarries                |
| Laurentian Stone Co. Ltd., The .....                    | 195 Nicholas St., Ottawa .....                    | Port Colborne           |
| Laws, R.E., Crushed Stone Ltd. ....                     | Port Colborne .....                               | Orillia Tp.             |
| Limestone Products Ltd. ....                            | 1109 Millwood Rd., Toronto .....                  | Barricfield             |
| McGinnis & O'Conner Limited .....                       | 394 King St. E., Kingston .....                   | Burlington              |
| Neilson Crushed Stone Ltd. ....                         | Box 36, Oakville .....                            | Welland                 |
| Niagara Crushed Stone Co. ....                          | 149 Burgar St., Welland .....                     | Thorold                 |
| Niagara Cut Stone Quarries Limited .....                | 490 Buttrey St., Niagara Falls .....              | Ingersoll               |
| North American Cyanamid Ltd. ....                       | Niagara Falls .....                               | Eastview                |
| Ottawa Valley Crushed Stone Limited .....               | Box 290, Station "B", Montreal, Quebec .....      | Alfred                  |
| Parisiens, Fernand .....                                | Alfred .....                                      | Pembroke                |
| Pembroke, Corporation of .....                          | Pembroke .....                                    | Niagara Falls           |
| Queenston Quarries Ltd. <sup>2</sup> .....              | 72 Sun Life Bldg., Hamilton .....                 | Bertie Tp.              |
| Ridgemount Quarries .....                               | Stevensville .....                                | Pelee Island            |
| Rieger Bros. Construction Ltd. ....                     | Scudder P.O. ....                                 | Roblindale              |
| Robindale Quarries Limited .....                        | Fiction .....                                     | Forbes                  |
| Sauve & Galipeau .....                                  | Forbes .....                                      | Grantham Tp.            |
| Savigny Bros. ....                                      | P.O. Box 143, Merriton .....                      | Napanee                 |
| Storey, C.L., Construction Co. ....                     | R.R. 2, Bath .....                                | Verona                  |
| Verona Rock Products Ltd. ....                          | 66 King St. W., Toronto .....                     | Verona                  |
| Walker Bros. Quarries .....                             | P.O. Box 586, Thorold .....                       | Stamford Tp.            |
| <b>MANITOBA:</b>  |   |                         |
| Building Products & Coal Co. Ltd. ....                  | 111 Christie St., Winnipeg .....                  | Inwood                  |
| Garson Limestone Co. ....                               | 251 Machray Ave., Winnipeg .....                  | Garson                  |
| Gillis Quarries Ltd. <sup>2</sup> .....                 | Richard & Spruce Sts., Winnipeg .....             | Garson                  |
| Manitoba Department of Highways .....                   | Winnipeg .....                                    | Various                 |
| Tyndall Quarry Co. Ltd. <sup>2</sup> .....              | 1591 Erin St., Winnipeg .....                     | Tyndall                 |
| Winnipeg, City of .....                                 | 225 James Ave., Winnipeg .....                    | Stony Mountains         |
| Winnipeg Supply & Fuel Co. Ltd. ....                    | 812 Boyd Bldg., Winnipeg .....                    | Moosehorn and Stonewall |
| <b>ALBERTA:</b>   |   |                         |
| Gypsum, Lime and Alabastine, Canada Limited .....       | Paris, Ont. ....                                  | Calgary                 |
| Loder's Lime Co. Ltd. ....                              | Kananaskis, Exshaw P.O. ....                      | Kananaskis              |
| Rock Wool Products Limited .....                        | 3601 Bonnybrook Road, Calgary .....               | Gap Lake                |
| Summit Lime Works Ltd. ....                             | P.O. Box 273, Lethbridge .....                    | Lethbridge              |
| <b>BRITISH COLUMBIA:</b>                                |   |                         |
| Agassiz Lime Quarry <sup>1</sup> .....                  | P.O. Box 187, Agassiz .....                       | Agassiz                 |
| B.C. Department of Highways .....                       | Victoria .....                                    | Various                 |
| Beale, W.S. ....  | Van Anda .....                                    | Van Anda                |
| Beale Quarries Ltd. ....                                | 748 West Hastings St., Vancouver .....            | Van Anda                |
| Capilano Crushing Co. Ltd. ....                         | 107, East First Ave., Vancouver .....             | West Vancouver          |
| Cream Marf Products Ltd. ....                           | 1137 W. Hastings St., Vancouver .....             | Bridal Falls            |
| Columbia Cellulose Co. Ltd. ....                        | Box 1000, Prince Rupert .....                     | Prince Rupert           |
| Consolidated Mining & Smelting Co. of Canada, Ltd. .... | Trail .....                                       | Pipe                    |

## List of Firms in the Stone Quarrying Industry - 1952 - Concluded

| Name  | Head office address                     | Location                  |
|---|---|---------------------------|
| <b>LIMESTONE - concluded</b>                      |   |                           |
| BRITISH COLUMBIA - concluded                      |   |                           |
| Fernie, City of <sup>1</sup>                      | Fernie                                  | Fernie                    |
| Fraser Valley Lime Supplies                       | 693-17th Ave., New Westminster          | Popkum                    |
| Koeye Limestone Co. Ltd.                          | Namu                                    | Koeye River               |
| Martinson, John                                   | Jeune Landing                           | Jeune Landing             |
| McKay, A. & D.                                    | Van Anda                                | Van Anda                  |
| O.K. Marl Co. Ltd.                                | Okanagan Falls                          | Okanagan Falls            |
| Pacific Lime Co. Ltd.                             | 744 W. Hastings St., Vancouver          | Blubber Bay               |
| Wood & McClay Limited                             | 1768 E. Hastings St., Vancouver         | Aristazabal Island        |
| <b>MARBLE</b>                                     |   |                           |
| QUEBEC:   |   |                           |
| Canadian Dolomite Co., Reg'd                      | Portage du Fort                         | Portage du Fort           |
| Industrial Fillers Ltd.                           | 4820-4th Ave., Montreal                 | St. Armand                |
| Messier Terrazzo & Stone Products                 | St. Armand W.                           | St. Armand                |
| Mississquoi Stone & Marble Co. Ltd. <sup>2</sup>  | Philipsburg                             | Philipsburg               |
| Orford Marble Co. Ltd.                            | 65 Beaudet St., St. Laurent             | St. Laurent               |
| South Stukely Marble & Terrazzo                   | South Stukely                           | South Stukely             |
| ONTARIO:  |   |                           |
| Bonter, W.F., & Co. Ltd.                          | Malone                                  | Malone                    |
| Bonter Marble & Calcium Co. Ltd.                  | P.O. Box 61, Marmora                    | Marmora                   |
| Pulverized Marble Products Limited                | 348 Fraser St., North Bay               | Kaladar Tp.               |
| Silvertone Black Marble Quarries Ltd.             | 305 O'Connor St., Ottawa                | St. Albert                |
| Stoklosar Marble Quarries                         | P.O. Box 208, Madoc                     | Madoc                     |
| <b>SANDSTONE</b>                                  |   |                           |
| NOVA SCOTIA:                                      |   |                           |
| Arsenault Monumental Works <sup>2</sup>           | Antigonish                              | North Grant               |
| Nova Scotia Department of Highways                | Halifax                                 | Various                   |
| Wallace Quarries Limited                          | Wallace                                 | Wallace                   |
| NEW BRUNSWICK:                                    |   |                           |
| New Brunswick Highways                            | Fredericton                             | Various                   |
| Smith, E.A., Estate                               | Shediac                                 | Shediac                   |
| QUEBEC:   |   |                           |
| Beauharnois Light, Heat & Power Co.               | 107 Craig St., Montreal                 | Melodieville              |
| Cloutier, Emile & Partners                        | Port Daniel Station                     | Riviere Whalen            |
| Coté, Sylvie                                      | Cap-Chal                                | Petite Vallée             |
| Enterprises de L'Est Limitée, Les                 | 1055 Demontigny, Québec                 | Cap Vert and Pointe Basse |
| Gagnon, L.P.                                      | 7, ave Gagnon, Lévis                    | St-David de Lévis         |
| North Shore Construction Co. Limited              | 660 St. Catherine S.W., Montreal        | Hospital Bay              |
| Peel Construction Co. Ltd. <sup>1</sup>           | 75 Main St., Brampton, Ontario          | Trois Pistoles            |
| Poirier, W.                                       | Montebello                              | Montebello                |
| Quebec Department of Roads                        | Quebec                                  | Various                   |
| Rousseau, T.E.                                    | Val Brillant                            | New Carlisle              |
| St. Lawrence Alloys and Metals Limited            | 330 University Ave., Toronto 1, Ontario | Melodieville              |
| Sherbrooke, City of                               | Sherbrooke                              | Sherbrooke                |
| Simard, Adjutor                                   | Pointe-au-Pic                           | Pointe-au-Pic             |
| ONTARIO:  |   |                           |
| Barnes, Wm. R., Co. Ltd.                          | 243 Cumberland Ave., Hamilton           | Inglewood                 |
| Brennan, M.                                       | Britannia Bay                           | Nepean Township           |
| Campbell Sandstone Quarries Ltd. <sup>2</sup>     | 466 Highland Ave., Ottawa               | Bell's Corners            |
| Cavlovic, J.                                      | Georgetown                              | Inglewood                 |
| Corner, Austin                                    | Belfountain                             | Belfountain               |
| Deforest Bros.                                    | Terra Cotta                             | Terra Cotta               |
| McHarg, B.  | Georgetown                              | Georgetown                |
| Moore, A.   | Minden                                  | Minden                    |
| Mountain Sandstone Quarry                         | Georgetown                              | Inglewood                 |
| Norrie & Shelburne                                | Georgetown                              | Georgetown                |
| Norton Bros.                                      | Georgetown                              | Georgetown                |
| Norton, A.  | Limenhouse                              | Limenhouse                |
| Rice, Joseph                                      | Georgetown                              | Inglewood                 |
| Smithson, C.                                      | 122 Church St. E., Brampton             | Terra Cotta               |
| Thompson, Harold                                  | Glen Williams                           | Glen Williams             |
| Walker Bros.                                      | Inglewood                               | Inglewood                 |
| Zilio, A.   | Terra Cotta                             | Terra Cotta               |
| BRITISH COLUMBIA:                                 |   |                           |
| Canadian Pacific Railway Co.                      | Montreal, Quebec                        | Revelstoke                |
| Consolidated Mining & Smelting Co. of Canada Ltd. | Trall                                   | Kimberley                 |
| <b>SLATE</b>                                      |   |                           |
| QUEBEC:   |   |                           |
| Bombardier, J.A.                                  | Valcourt                                | Valcourt                  |
| BRITISH COLUMBIA:                                 |   |                           |
| Richmond, Geo. W., & Co.                          | 2890-12th Ave. E., Vancouver            | McNab Creek               |

<sup>1</sup>. Did not ship in 1952.<sup>2</sup>. Firms operating dressing works in conjunction with quarry.

## SECONDARY PRODUCTION - THE STONE PRODUCTS INDUSTRY

In 1952 there were 155 stone dressing works whose operations were concerned chiefly in cutting or polishing Canadian or imported stone to produce finished monuments or cut and dressed stone for construction purposes. Retail establishments engaged only in selling or lettering monuments and dressing works operated by quarry owners located either at the quarry or elsewhere have not been included. The operations of thirteen plants manufacturing mineral wool were also included in this industry.

Output from this industry was valued at \$20,105,980 in 1952, an increase of 7.5 per cent over the total of \$18,705,651 reported for the previous year. The 63 works in Ontario accounted for 75 per cent of the total output and the 42 plants in Quebec for 8.6 per cent. The total number of employees was 2,142 who were paid \$6,203,703 in salaries and wages. Materials used in cutting and dressing processes including stone, cost \$7,354,093. The latter figure also includes the cost of materials used in the production of mineral wool. Expenditures for fuel and electricity amounted to \$828,107.

TABLE 14. Principal Statistics of the Stone Products Industry, 1948-1952

| Year                                 | Number of plants | Number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
|--------------------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|--|
| 1948 .....                           | 150              | 1,862               | \$ 4,126,838       | \$ 578,391                            | \$ 4,547,067               | \$ 13,550,286                            |
| 1949 .....                           | 163              | 2,053               | 4,542,522          | 707,081                               | 6,095,824                  | 17,449,330                               |
| 1950 .....                           | 165              | 2,429               | 5,730,817          | 862,626                               | 6,589,627                  | 19,889,745                               |
| 1951 .....                           | 161              | 2,270               | 6,198,170          | 766,099                               | 6,733,301                  | 18,705,651                               |
| 1952 .....                           | 155              | 2,142               | 6,203,703          | 828,107                               | 7,354,093                  | 20,105,980                               |
| Per cent change 1952 from 1951 ..... | -                | - 5.6               | -                  | + 8.1                                 | + 9.2                      | + 7.5                                    |

Note. Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 15. Principal Statistics of the Stone Products Industry, by Provinces, 1951 and 1952

| Province                   | Number of plants | Number of employees | Salaries and wages | Cost of fuel and electricity at works | Cost of materials at works | Gross selling value of products at works |
|----------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|--|
| 1951                       |                  |                     | \$                 | \$                                    | \$                         | \$                                       |
| Newfoundland .....         | 3                |                     |                    |                                       |                            |  |
| Prince Edward Island ..... | 1                | 32                  | 67,804             | 4,891                                 | 57,156                     | 171,889                                  |
| Nova Scotia .....          | 7                | 66                  | 128,085            | 21,515                                | 151,770                    | 431,471                                  |
| New Brunswick .....        | 5                | 32                  | 53,961             | 4,417                                 | 32,922                     | 154,922                                  |
| Quebec .....               | 44               | 235                 | 505,113            | 49,551                                | 480,980                    | 1,459,487                                |
| Ontario .....              | 70               | 1,559               | 4,670,827          | 616,724                               | 4,974,131                  | 14,037,599                               |
| Manitoba .....             | 8                | 44                  | 95,605             | 6,393                                 | 91,795                     | 223,970                                  |
| Saskatchewan .....         | 7                | 61                  | 129,201            | 15,143                                | 225,507                    | 530,243                                  |
| Alberta .....              | 7                | 138                 | 279,753            | 29,756                                | 459,274                    | 986,867                                  |
| British Columbia .....     | 9                | 103                 | 267,821            | 17,709                                | 259,766                    | 709,203                                  |
| Canada .....               | 161              | 2,270               | 6,198,170          | 766,099                               | 6,733,301                  | 18,705,651                               |
| 1952                       |                  |                     | \$                 | \$                                    | \$                         | \$                                       |
| Newfoundland .....         | 3                |                     |                    |                                       |                            |  |
| Prince Edward Island ..... | 1                | 32                  | 69,644             | 7,207                                 | 58,646                     | 177,133                                  |
| Nova Scotia .....          | 7                | 68                  | 133,358            | 24,705                                | 146,565                    | 434,847                                  |
| New Brunswick .....        | 6                | 58                  | 113,902            | 10,025                                | 81,183                     | 363,305                                  |
| Quebec .....               | 42               | 277                 | 645,778            | 55,295                                | 622,121                    | 1,722,382                                |
| Ontario .....              | 63               | 1,374               | 4,465,806          | 660,623                               | 5,544,476                  | 15,084,390                               |
| Manitoba .....             | 10               | 81                  | 198,455            | 8,393                                 | 124,205                    | 565,956                                  |
| Saskatchewan .....         | 6                | 48                  | 100,229            | 16,501                                | 139,780                    | 375,382                                  |
| Alberta .....              | 8                | 123                 | 258,768            | 26,629                                | 376,075                    | 803,327                                  |
| British Columbia .....     | 9                | 81                  | 217,763            | 18,729                                | 261,042                    | 678,558                                  |
| Canada .....               | 155              | 2,142               | 6,203,703          | 828,107                               | 7,354,093                  | 20,105,980                               |

TABLE 16. Output of the Stone Products Industry, 1951 and 1952

| Product  | Total selling value at works |                   |
|--|------------------------------|-------------------|
|  | 1951                         | 1952              |
|  | \$                           | \$                |
| Granite, cut and polished:   |                              |                   |
| (a) Monuments .....  | 2,614,118                    | 2,652,758         |
| (b) For building purposes .....  | 621,405                      | 503,307           |
| Marble, cut and polished:  |                              |                   |
| (a) Monuments .....  | 619,383                      | 682,294           |
| (b) For building purposes .....  | 562,769                      | 444,054           |
| Marble chips and dust .....  | 4,784                        | 1,443             |
| Limestone:   |                              |                   |
| (a) Monuments and bases .....  | 54,232                       | 51,027            |
| (b) For building purposes .....  | 2,275,205                    | 2,434,260         |
| Other monuments (sandstone and cast stone).....  | 2                            | 206,822           |
| Semi-finished monuments, bases and markers (all kinds, sold for further processing except lettering) | 150,511                      | 175,852           |
| Finished monuments, lettered only .....  | 472,112                      | 428,087           |
| Other products <sup>1</sup> .....  | 11,176,968                   | 12,354,415        |
| Repairs and custom work (re-lettering, etc.) .....   | 154,164                      | 171,661           |
| <b>Total.....</b>  | <b>18,705,651</b>            | <b>20,105,980</b> |

1. Includes mineral wool, etc.

2. Not available separately.

TABLE 17. Cost of Materials Used in the Stone Products Industry, 1951 and 1952

|   | Cost at works    |                  |
|---|------------------|------------------|
|   | 1951             | 1952             |
|   | \$               | \$               |
| Stone:  |                  |                  |
| (a) From Canadian quarries.....   | 1,034,752        | 1,114,636        |
| (b) Imported .....  | 918,391          | 1,002,222        |
| Semi-finished monuments and slabs for further processing, except lettering..... | 113,467          | 67,889           |
| Monuments, cut and polished, for lettering only .....                           | 209,647          | 188,184          |
| Silica sand or ground quartz .....  | 94,265           | 95,004           |
| Slag and stone for mineral wool .....   | 393,478          | 506,958          |
| Coke for mineral wool .....   | 401,583          | 394,901          |
| All other materials .....   | 3,567,718        | 3,984,299        |
| <b>Total.....</b>   | <b>6,733,301</b> | <b>7,354,093</b> |

TABLE 18. Production<sup>1</sup> of Mineral Wool for Building Insulation, 1943-1952

| Year       | Selling value<br>at works | \$        | Year | Selling value<br>at works | \$        |
|------------|---------------------------|-----------|------|---------------------------|-----------|
|            |                           |           |      |                           |           |
| 1943 ..... | 1,707,501                 | 1948..... |      |                           | 5,828,896 |
| 1944 ..... | 1,617,420                 | 1949..... |      |                           | 7,474,227 |
| 1945 ..... | 1,839,122                 | 1950..... |      |                           | 8,104,832 |
| 1946 ..... | 4,098,099                 | 1951..... |      |                           | 7,926,859 |
| 1947 ..... | 4,966,388                 | 1952..... |      |                           | 7,923,370 |

1. Does not include production of other forms such as, pipe covering, refrigerator car insulation, stove, refrigerator and other appliances insulation, etc.

TABLE 19. Imports of Mineral Wool and Glass Wool, 1943-1952

| Year       | Mineral wool |         | Glass wool                    |           | Total      |           |
|------------|--------------|---------|-------------------------------|-----------|------------|-----------|
|            | Pounds       | \$      | Pounds                        | \$        | Pounds     | \$        |
| 1943 ..... | 1,839,670    | 72,780  | Included with<br>mineral wool |           | 1,839,670  | 72,780    |
| 1944 ..... | 2,619,513    | 147,862 |                               |           | 2,619,513  | 147,862   |
| 1945 ..... | 8,989,862    | 460,677 | —                             | 188,696   | —          | 649,373   |
| 1946 ..... | 11,733,377   | 464,880 | —                             | 408,068   | —          | 872,948   |
| 1947 ..... | 8,663,106    | 417,450 | —                             | 520,786   | —          | 938,236   |
| 1948 ..... | 111,152      | 8,795   | 20,143,761                    | 1,303,099 | 20,254,913 | 1,311,894 |
| 1949 ..... | 168,818      | 10,472  | 1,659,936                     | 307,854   | 1,828,754  | 318,326   |
| 1950 ..... | 208,738      | 77,848  | 820,754                       | 318,216   | 1,029,492  | 396,064   |
| 1951 ..... | 527,901      | 64,443  | 1,289,002                     | 360,684   | 1,816,903  | 425,127   |
| 1952 ..... | 648,297      | 86,562  | 552,018                       | 201,817   | 1,200,315  | 288,379   |

TABLE 20. Production<sup>1</sup> of Mineral Wool for Building Insulation, by Grades, 1952

|                    |         | Quantity    | Selling value<br>at works |
|--------------------|---------|-------------|---------------------------|
| 4-inch batts       | Sq. ft. | 3,140,456   | \$ 186,059                |
| 3-inch batts       | Sq. ft. | 37,837,773  | 1,753,347                 |
| 2-inch batts       | Sq. ft. | 111,848,234 | 4,047,298                 |
| 1-inch batts       | Sq. ft. | 141,419     | 3,800                     |
| Granulated         | cu. ft. | 9,497,960   | 1,734,139                 |
| Bulk or loose wool | cu. ft. | 1,219,282   | 198,727                   |
| <b>Total</b>       | -       | -           | <b>7,923,370</b>          |

1. See footnote to Table 18.

TABLE 21. Producers' Shipments of Mineral Wool for Building Insulation, by Months, 1951 and 1952

|              | Four-<br>inch<br>batts | Three-<br>inch<br>batts | Two-<br>inch<br>batts | Granulated<br>wool | Bulk or<br>loose<br>wool |
|--------------|------------------------|-------------------------|-----------------------|--------------------|--------------------------|
|              | sq. ft.                | sq. ft.                 | sq. ft.               | cu. ft.            | cu. ft.                  |
| 1951         |                        |                         |                       |                    |                          |
| January      | 160,251                | 3,438,403               | 9,664,985             | 831,470            | 120,453                  |
| February     | 191,479                | 2,664,871               | 7,635,538             | 733,511            | 82,735                   |
| March        | 171,704                | 2,936,096               | 8,239,530             | 558,083            | 81,369                   |
| April        | 157,409                | 2,770,698               | 9,306,116             | 596,353            | 71,809                   |
| May          | 165,478                | 2,813,642               | 8,376,595             | 718,500            | 106,522                  |
| June         | 332,963                | 3,018,312               | 9,080,618             | 767,323            | 89,294                   |
| July         | 397,781                | 3,070,078               | 9,106,190             | 844,425            | 80,894                   |
| August       | 307,343                | 3,525,691               | 11,207,762            | 920,591            | 78,461                   |
| September    | 284,008                | 4,176,429               | 10,033,602            | 1,107,136          | 109,568                  |
| October      | 315,937                | 4,529,744               | 10,069,866            | 1,218,052          | 139,642                  |
| November     | 276,168                | 3,754,032               | 8,646,895             | 1,265,878          | 118,916                  |
| December     | 230,253                | 2,063,157               | 4,929,372             | 707,531            | 68,039                   |
| <b>Total</b> | <b>2,990,774</b>       | <b>38,761,153</b>       | <b>106,297,069</b>    | <b>10,268,861</b>  | <b>1,147,702</b>         |
| 1952         |                        |                         |                       |                    |                          |
| January      | 252,312                | 2,744,232               | 6,239,356             | 888,607            | 117,998                  |
| February     | 159,886                | 1,970,266               | 5,573,486             | 559,250            | 71,576                   |
| March        | 191,849                | 1,722,125               | 6,227,043             | 434,391            | 54,033                   |
| April        | 170,726                | 1,918,924               | 5,793,954             | 434,891            | 55,629                   |
| May          | 157,182                | 2,565,376               | 9,017,827             | 566,818            | 50,490                   |
| June         | 253,726                | 2,958,948               | 9,539,283             | 621,812            | 77,082                   |
| July         | 365,311                | 3,644,230               | 10,267,181            | 823,283            | 77,119                   |
| August       | 330,674                | 4,119,640               | 12,011,870            | 907,313            | 96,625                   |
| September    | 252,807                | 4,448,950               | 11,895,137            | 1,057,804          | 168,558                  |
| October      | 329,801                | 4,750,907               | 13,236,214            | 1,296,877          | 171,324                  |
| November     | 294,681                | 4,827,191               | 13,825,150            | 1,222,963          | 159,541                  |
| December     | 286,372                | 3,671,824               | 11,703,869            | 900,108            | 141,343                  |
| <b>Total</b> | <b>3,045,327</b>       | <b>39,342,603</b>       | <b>115,330,370</b>    | <b>9,713,917</b>   | <b>1,241,316</b>         |

## MINERAL STATISTICS

Producers of Mineral Wool - 1952

| Name                                    | Location of plant                    |
|---|--------------------------------------|
| Bishop Asphalt Papers Ltd.              | Toronto, Ontario                     |
| Canadian Gypsum Company Ltd.            | Weston, Ontario                      |
| Canadian Johns-Manville Co. Ltd.        | Port Union, Ontario                  |
| Electric Reduction Co. of Canada Ltd.   | Buckingham, Quebec                   |
| Elmac Company                           | Amherst, Nova Scotia                 |
| Fiberglas Canada Limited                | Sarnia, Ontario                      |
| Glacial Rock Insulation Ltd.            | Moose Jaw, Saskatchewan              |
| Gypsum, Lime & Alabastine, Canada, Ltd. | Caledonia, Ontario; Calgary, Alberta |
| Holmes Foundry Co. Ltd.                 | Sarnia, Ontario                      |
| Rock Wool Products                      | Calgary, Alberta                     |
| Spun Rock Wools Ltd.                    | Thorold, Ontario                     |
| Western Insulation Limited              | Vancouver, British Columbia          |

TABLE 22. Employees, Salaries and Wages in the Stone Products Industry, by Provinces, 1951 and 1952

| Province             | Number of employees    |        |                    |        |       | Earnings               |                    |           |
|----------------------|------------------------|--------|--------------------|--------|-------|------------------------|--------------------|-----------|
|                      | Supervisory and office |        | Production workers |        | Total | Supervisory and office | Production workers | Total     |
|                      | Male                   | Female | Male               | Female |       |                        |                    |           |
| 1951                 |                        |        |                    |        |       |                        |                    |           |
| Newfoundland         |                        |        |                    |        |       |                        |                    |           |
| Prince Edward Island | 6                      | 3      | 23                 | —      | 32    | 22,154                 | 45,650             | 67,804    |
| New Brunswick        | 11                     | 5      | 49                 | 1      | 66    | 44,049                 | 84,036             | 128,085   |
| Nova Scotia          | 5                      | 1      | 26                 | —      | 32    | 14,400                 | 39,561             | 53,961    |
| Quebec               | 78                     | 6      | 150                | 1      | 235   | 171,797                | 333,316            | 505,113   |
| Ontario              | 279                    | 123    | 1,152              | 5      | 1,559 | 1,418,243              | 3,252,584          | 4,670,827 |
| Manitoba             | 13                     | 2      | 28                 | 1      | 44    | 39,308                 | 56,297             | 95,605    |
| Saskatchewan         | 13                     | 6      | 42                 | —      | 61    | 45,593                 | 83,608             | 129,201   |
| Alberta              | 14                     | 8      | 114                | 2      | 138   | 52,669                 | 227,084            | 279,753   |
| British Columbia     | 23                     | 1      | 79                 | —      | 103   | 83,106                 | 184,715            | 267,821   |
| Canada               | 442                    | 155    | 1,663              | 10     | 2,270 | 1,891,319              | 4,306,851          | 6,198,170 |
| 1952                 |                        |        |                    |        |       |                        |                    |           |
| Newfoundland         |                        |        |                    |        |       |                        |                    |           |
| Prince Edward Island | 8                      | 3      | 21                 | —      | 32    | 23,850                 | 45,794             | 69,644    |
| Nova Scotia          | 10                     | 5      | 53                 | —      | 68    | 42,844                 | 90,514             | 133,358   |
| New Brunswick        | 7                      | 1      | 50                 | —      | 58    | 22,510                 | 91,392             | 113,902   |
| Quebec               | 67                     | 8      | 201                | 1      | 277   | 177,624                | 468,154            | 645,778   |
| Ontario              | 226                    | 93     | 1,050              | 5      | 1,374 | 1,185,177              | 3,280,629          | 4,465,806 |
| Manitoba             | 18                     | 4      | 52                 | 7      | 81    | 67,431                 | 131,024            | 198,455   |
| Saskatchewan         | 9                      | 2      | 35                 | 2      | 48    | 29,705                 | 70,524             | 100,229   |
| Alberta              | 14                     | 6      | 96                 | 7      | 123   | 41,196                 | 217,572            | 258,768   |
| British Columbia     | 21                     | 1      | 59                 | —      | 81    | 69,770                 | 147,993            | 217,763   |
| Canada               | 380                    | 123    | 1,617              | 22     | 2,142 | 1,660,107              | 4,543,596          | 6,203,703 |

TABLE 23. Capital and Repair Expenditures in the Stone Products Industry, 1948-1952

| Year              | Capital expenditures |                         | Sub-total | Repair and maintenance expenditures |                         | Sub-total | Total capital and repair expenditures |
|-------------------|----------------------|-------------------------|-----------|-------------------------------------|-------------------------|-----------|---------------------------------------|
|                   | Construction         | Machinery and equipment |           | Construction                        | Machinery and equipment |           |                                       |
|                   |                      |                         |           | \$'000                              |                         |           |                                       |
| 1948              | 180                  | 278                     | 458       | 57                                  | 319                     | 376       | 834                                   |
| 1949              | 26                   | 466                     | 492       | 50                                  | 516                     | 566       | 1,058                                 |
| 1950              | 33                   | 467                     | 500       | 111                                 | 838                     | 949       | 1,449                                 |
| 1951              | 239                  | 652                     | 891       | 318                                 | 761                     | 1,079     | 1,970                                 |
| 1952 <sup>1</sup> | 61                   | 380                     | 441       | 189                                 | 645                     | 834       | 1,275                                 |

1. Preliminary.

## Directory of Firms in the Stone Products Industry - 1952

| Name of company                                    | Location of plant                      |
|--|--|
| <b>NEWFOUNDLAND:</b>                               |  |
| Cook's Marble Works .....                          | St. John's                             |
| Muir's Marble Works, Ltd. ....                     | St. John's                             |
| Skinnlers Monumental Works .....                   | St. John's                             |
| <b>PRINCE EDWARD ISLAND:</b>                       |  |
| Beck, Vere, & Son Ltd. ....                        | Main Street, Montague                  |
| <b>NOVA SCOTIA:</b>                                |  |
| Coughlan, James S., Marble and Granite Works ..... | Simpson's Siding, Halifax              |
| Elmac Company Limited .....                        | Anson Ave., Amherst                    |
| Keddy, C. L., Monument Works .....                 | 171-173 Kempt Road, Halifax            |
| Kelly Monumental Works .....                       | Bridgewater                            |
| Steele, John D., & Sons Ltd. ....                  | Commercial Street, North Sydney        |
| Tingley, Harold W. (Estate) .....                  | 13 Merkel Street, Halifax              |
| Tingley Granite Works .....                        | Amherst                                |
| <b>NEW BRUNSWICK:</b>                              |  |
| Kane, M.T., & Co. Ltd. ....                        | Westmoreland Road, Saint John          |
| Miramichi Granite & Marble Works .....             | Chatham                                |
| St. Stephen Granite Works .....                    | Queen Street, St. Stephen              |
| Sherrard, Granite Workshop .....                   | 135 Victoria Street, Moncton           |
| Smith, F.A. (Estate) .....                         | Shediac                                |
| <del>Marie Monument Works</del> .....              | Saint John                             |
| <b>Quebec:</b>                                     |  |
| Alelio, S. ....                                    | 6776 Sherbrooke St. E., Montreal       |
| Archambault Cut Stone Co. Ltd. ....                | Belanger Village, Co. Laval            |
| Beaulieu, Elzear, & Fils Ltée Enrg. ....           | Ste-Hélène, Co. Kamouraska             |
| Beebe Granite Works .....                          | Beebe                                  |
| Berson, L., & Son .....                            | 3884 St. Lawrence Blvd., Montreal      |
| Bissonnette, Alfred, Ltée .....                    | 6554 Durocher Ave., Outremont          |
| Brault, J. A. ....                                 | 3 Champlain St., Valleyfield           |
| Brunet, A. ....                                    | Ormstown                               |
| Brunet, J., Limitée .....                          | 4485, Côte des Neiges, Montréal        |
| Caron, Eugene .....                                | Ste-Anne de Beaupré                    |
| Chabot, J. Roy, ....                               | Scott Junction                         |
| Chausse, Edouard, & Fils .....                     | 1650 King St. West, Sherbrooke         |
| Crete, James .....                                 | Royal St., Sorel                       |
| Dalceggio, F. ....                                 | 4588 Chemin Côte des Neiges, Montreal  |
| Daudelin, Rolland .....                            | 1395 St. Antoine Street, St. Hyacinthe |
| Denicourt Thuet .....                              | 84 - 4th Ave., Iberville               |
| Dominion Granite Works Co. Reg'd .....             | Beebe                                  |
| Ducharme, J. Maurice .....                         | 231 Notre Dame St., Victoriaville      |
| Electric Reduction Co. of Canada Ltd. ....         | Buckingham                             |
| Emslie, John, & Son Reg'd .....                    | Beebe                                  |
| Fortin, Dollard J. ....                            | St-David de Lévis                      |
| Gingras, Roch, Enrg. ....                          | Ste-Foy                                |
| Gignac, Joseph .....                               | St-Alban Village                       |
| Gosselin, M. ....                                  | 12 Narcisse, Valleyfield               |
| Goyette & Bisson                                   | Iberville                              |
| Houde & Frère Enrg. ....                           | 404 Notre Dame, Cap de la Madeleine    |
| Jenne, E.H. ....                                   | Sutton                                 |
| Lussier, A., Enrg. ....                            | 3290 Cadillac St., Montreal            |
| Monuments Funéraires de St-Samuel .....            | St-Samuel                              |
| Parent, G.H. ....                                  | 349, rue Montigny, St-Jérôme           |
| Picard, W., & Fils .....                           | 3285 Desautels, Montréal               |
| Quinlan, Harold, Cut Stone Ltd. ....               | Quinlan Ave., Ville La Salle           |

## Directory of Firms in the Stone Products Industry - 1952 - Continued

| Name of company                             | Location of plant                    |
|---|--------------------------------------|
| QUEBEC - Concluded:                         |                                      |
| Rousseau, O., Enrg.                         | St-Fabien                            |
| Rousseau, Jos., Enrg.                       | 400 St-Germain St., Rimouski         |
| Roxton Granite & Marble Works               | Roxton Falls, Co. Shefford           |
| Smith Bros. Memorial Art Ltd.               | 2116 Bleury St., Montreal            |
| Smith Marble & Construction Co., Ltd.       | 207 Van Horne Ave. W., Montreal      |
| St-Louis & Fils                             | Cap St-Martin                        |
| St-Martin, R.N., & Fils Enrg.               | 359-361, rue Maisonneuve, Hull       |
| Todoro & Bigras                             | 6752 Sherbrooke St. E., Montreal     |
| Villeneuve & Frère Enrg.                    | 1055 De la Canardière, Québec        |
| Vincent, Chas. A., & Fils Enrg.             | 515 - 24th Ave., Lachine             |
| ONTARIO:                                    |                                      |
| Ambroise Monuments                          | 48 Alma St., Guelph                  |
| Ambroise, J.D.                              | 375 Montreal Road, Eastview          |
| Bishop Asphalt Papers Limited               | Lakeshore Road, Mimico               |
| Brown, Geo., & Sons                         | 473 Bronson Ave., Ottawa             |
| Brown, R., & Son                            | 376 Sparks St., Ottawa               |
| Campbell, A.C.                              | 21 Bridge St. W., Belleville         |
| Canadian Art Memorials                      | 28 Lakeshore Rd. W., Port Credit     |
| Canadian Gypsum Co., Limited                | Oak St., Weston                      |
| Canadian Johns-Manville Co., Ltd.           | Port Union                           |
| Creer, Son & Company                        | 1343 St. Clair Ave. W., Toronto      |
| Central Granite & Marble Works              | 1283 Dundas St. W., Toronto          |
| Chatham Marble & Granite Works              | 39 E Market Square, Chatham          |
| Chesley Memorial Works                      | Chesley                              |
| Cornelius & Son, F.A.                       | 428 Queenston Rd., St. Catharines    |
| Davis Monument Co.                          | 3205 Danforth Ave., Toronto          |
| Dundas Monument Works                       | Dundas                               |
| Eglinton Monumental Works                   | 1702 Eglinton Ave. W., Toronto       |
| Excelsior Granite & Marble Works, The       | 163 Pitt St., E., Windsor            |
| Fiberglas Canada, Limited                   | Sarnia                               |
| Geard Brothers Cut Stone                    | 612 William St., London              |
| Gypsum, Lime and Alabastine, Canada Limited | Caledonia                            |
| Hardwick, H.G., & Son                       | 676 King St. W., Hamilton            |
| Hargrave's Monument Works                   | Haileybury                           |
| Holmes Foundry Company Limited              | 200 Exmouth St., Sarnia              |
| Johnston & Cranston                         | 1849 Yonge St., Toronto              |
| Kilvington Granite Company                  | 2A Caledonia Rd., Toronto            |
| Kingsway Monumental Works                   | 3673 Dundas St., Toronto             |
| Kitchener Monument Works                    | 1015 King St. E., Kitchener          |
| Laing, George                               | 403 - 1st St. W., Cornwall           |
| Laurin, J.P., Limited                       | George St., Ottawa                   |
| London Marble & Granite Co. Ltd.            | 493 Richmond St., London             |
| Luckett's Dressed Stone                     | Ulster and Leicester Ave., Islington |
| McIntyre Monument Co.                       | 60 Danforth Ave., Toronto            |
| McKay Cut Stone Co.                         | 65 Shalmar Ave., Forest Hill         |
| McMillan Monument Co. Ltd.                  | 105 Ontario St., Sarnia              |
| Memorial Company of Toronto, The            | 2299 Bloor St. W., Toronto           |
| National Cut Stone Limited                  | 355 Logan Ave., Toronto              |
| Oakville Monument Works                     | 90 Coborne St., Oakville             |
| Ontario Marble Co. Ltd.                     | Maria St., Peterborough              |
| Orillia Monument Co.                        | 252 Coldwater Rd. W., Orillia        |
| Rhodes Memorials Ltd.                       | Cayuga                               |
| Rigg Memorial Works                         | 605 Queen St., Niagara Falls         |
| Ritchie Cut Stone Co. Ltd., The             | 203 New Toronto St., New Toronto     |
| Rivercourt Memorials                        | 296 O'Connor Drive, Toronto          |
| Ronald, Wellington                          | Listowel                             |
| Rutter Granite Company                      | 73 Ontario St., Port Hope            |
| Sanderson Monumental Company                | 33 Peter St. S., Orillia             |
| Sault Granite & Marble Works                | 715 Queen St. E., Sault Ste. Marie   |

## Directory of Firms in the Stone Products Industry - 1952 - Concluded

| Name of company                                      | Location of plant                           |
|--|---|
| <b>ONTARIO—Concluded</b>                             |   |
| Scott, James N., Cut Stone Ltd. ....                 | 3 Canvarco Rd., Leaside                     |
| Sinclair Cut Stone & Construction Co. Ltd. ....      | Frid St., Hamilton                          |
| Sharp Bros Cut Stone Company Limited ....            | 516 Kenilworth St. N., Hamilton             |
| Skelton, E.J., & Son ....                            | Walkerton                                   |
| Smith Monument Works ....                            | 1543 Main St. E., Hamilton                  |
| Smith Monument Co. ....                              | 349 Weston Road, Toronto                    |
| Spun Rock Wools Limited ....                         | 65 Ormond St., Thorold                      |
| Stafford Bros. Monumental Works ....                 | 318 Dundas St. E., Whitby                   |
| Standard Stone Company, Limited ....                 | 1704 Howard Ave., Windsor                   |
| Sudbury Memorial Works ....                          | 453 Arndley St., Sudbury                    |
| Thomson Monument Co. Ltd. ....                       | 862 Dupont St., Toronto                     |
| Twin City Monument Company ....                      | 541 King St. E., Kitchener                  |
| United Marble Co. ....                               | Rear 46 Shaftesbury Ave., Toronto           |
| Wardell Monument Works ....                          | 2706 Dundas St. W., Toronto                 |
| Wilsons Cut Stone ....                               | 100 Broadway, Hamilton                      |
| <b>MANITOBA:</b>                                     |   |
| Brunet Monuments ....                                | 405 Bertrand St., St. Boniface              |
| DeLande, M.C. ....                                   | 927 Main St., Winnipeg                      |
| Guinn & Simpson Company Limited ....                 | 52 Tupper St. N., Portage la Prairie        |
| Lo'ns Stone Works Ltd. ....                          | 234 St-Mary's Road, Norwood Grove, Winnipeg |
| MacIntyre, A.L., & Sons, Art Memorials ....          | 849 Notre Dame Ave., Winnipeg               |
| Memorial Marble & Tile Co. Ltd. ....                 | 1180 Wall St., Winnipeg                     |
| Neepawa Marble & Granite Works ....                  | Neepawa                                     |
| Portage Memorials ....                               | Main and Alfred Sts., Portage la Prairie    |
| Somerville Marble & Granite Works ....               | 1417 Rosser Ave., Brandon                   |
| Wilson Memorials ....                                | 1898 Main St., Winnipeg                     |
| <b>SASKATCHEWAN:</b>                                 |   |
| Best Monumental Co. ....                             | 721 Caribou St. W., Moose Jaw               |
| Glacial Rock Insulation Ltd. ....                    | Township 17, Moose Jaw                      |
| Molaro Marble & Stone Works ....                     | 23rd St. and Pacific Ave., Saskatoon        |
| Moose Jaw Marble & Granite Works Ltd. ....           | 706 Athabasca St. E., Moose Jaw             |
| Yorkton Monumental Works ....                        | 107 West Broadway, Yorkton                  |
| Young, Alex, Cut Stone Company ....                  | Scarth St. and 4th Ave., Regina             |
| <b>ALBERTA:</b>                                      |   |
| Alberta Granite, Marble Co. Ltd. ....                | 10702 - 101st St., Edmonton                 |
| Gypsum, Lime & Alabastine Canada Ltd. ....           | 30th Ave. and 17th St. E., Calgary          |
| Hart, Albert J., Memorials ....                      | 1821 Second St. E., Calgary                 |
| Maclean Granite Co. ....                             | Red Deer                                    |
| McDonald Granite Co. Ltd. ....                       | 2313 Second St. E., Calgary                 |
| Rock Wool Products Limited ....                      | Gap Lake, via Exshaw, Calgary               |
| Select Memorial Works ....                           | Rockyford                                   |
| Somerville Calgary Monumental Co. ....               | 121 - 13th Ave. W., Calgary                 |
| <b>BRITISH COLUMBIA:</b>                             |   |
| Chandler, W.R., Memorials & Western Granite Co. .... | 5498 Fraser St., Vancouver                  |
| Continental Marble Company Limited ....              | 1002 Georgia St. E., Vancouver              |
| Kingsway Monumental Works ....                       | 3070 Kingsway St., Vancouver                |
| Mortimer's Monumental Works Ltd. ....                | 633 David St., Victoria                     |
| Nelson Granite & Monumental Co. ....                 | Nelson                                      |
| Pacific Coast Granite Ltd. ....                      | 609 East 16th Ave., Vancouver               |
| Stewart Monumental Works Ltd. ....                   | 1401 May St., Victoria                      |
| Westaway's Monumental Works ....                     | 143 Columbia St. E., New Westminster        |
| Western Insulation Co. Ltd. ....                     | 576 West 1st Ave., Vancouver                |

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