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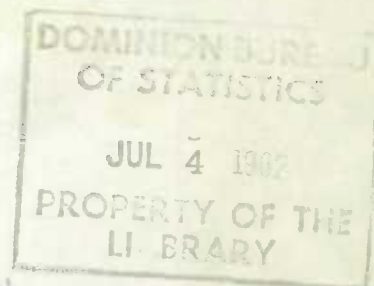
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RUBBER INDUSTRIES

1960

Formerly Rubber Products Industry

ANNUAL CENSUS
OF MANUFACTURES



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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- ^p preliminary figures.
- ^r revised figures.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

RUBBER INDUSTRIES

1960

Although the Bureau implemented a Revised Standard Industrial Classification for the survey year 1960, this has had little affect with regard to this Industrial Group as a survey of the Principal Statistics on the revised basis, given in Table 1B, will show. However, a major affect of this revision was to divide the group as a whole into three separate industries whose title and composition are given immediately below:

Rubber Footwear Manufacturers.—Establishments primarily engaged in manufacturing leather footwear and footwear of other materials except rubber are classified in Industry No. 174—Shoe Factories.

Tire and Tube Manufacturers.—Establishments primarily engaged in manufacturing rubber tires and tubes for automobiles, trucks, aircraft, tractors and other machinery and implements.

Other Rubber Industries.—Establishments primarily engaged in manufacturing rubber goods, such as rubberized fabrics, mechanical rubber goods, rubber flooring and rubber sundries.

However, when this new three-fold breakdown was introduced for the 1960 data, it was found that many of the firms in the Industrial Group were not exclusively engaged in manufacturing articles confined to any one of the three industries. As a scrutiny of the breakdowns both by "Industry" and by "Products" given in the list of firms on pages 20 and 21 will show, many firms made two and one made all three of the product types. For this reason, it was decided to present much of the data covering materials used, products shipped, etc., on the industrial group basis only and to only break down this group data on the individual industry basis where such a presentation would supply additional information. For this reason, only the industrial group data presented in Tables 1B, 10 and 13 have been broken down in two ways: (a) by individual industry, based on the revised 1960 Standard Industrial Classification; and, (b) by province. In all other annual tables (1A to 16, inclusive), the 1959 data (where given) and the 1960 data are on the revised basis and comprise the industrial group as a whole.

The downward trend in the Rubber Industries, first apparent in 1957, continued in 1958 but reversed in 1959, was again apparent in 1960, the year under review, when factory shipments with a total f.o.b. plant value of \$323,053,118 were re-

ported, \$24,744,886 or 7.1 per cent below the comparable 1959 total of \$347,798,004. However, the combined increase of \$3,794,089 in both inventories of goods in process and of finished goods, placed the estimated value of production at \$326,847,207, this being \$27,266,950 or 7.7 per cent lower than the corresponding 1959 value of \$354,114,157. Employment, which stood at 21,101 in 1959, decreased to 20,311; and salary and wage payments decreased somewhat from \$86,894,694 in 1959 to \$84,525,519 in the year under review, a decrease of \$2,369,175 or 2.7 per cent. Materials used by the industry cost \$152,660,298 compared to \$160,441,694 the previous year, a decrease of \$7,781,396 or 4.8 per cent.

In 1960, the industry consisted of 92 establishments, two more than the previous year's figure of 90. These were distributed as follows: Quebec 33, Ontario 47, Manitoba 2, Alberta 3, and British Columbia 7. Ontario accounted for 79.3 per cent of the total factory shipments and for 69.8 per cent of the employment; Quebec for 19.9 per cent of the shipments and for 29.4 per cent of the number of employees.

Shipments of tires and tubes amounted to 48.6 per cent of this industry's total for 1960. Tires, which alone accounted for 46.0 per cent, numbered 8,602,714 and had a factory selling value of \$148,568,362, whereas in 1959 shipments of tires amounted to 9,408,141 valued at \$172,466,113. Tubes shipped during 1960 numbered 3,787,477 and were worth \$8,435,692 as against 1959 shipments of 4,811,316 worth \$10,340,298. Footwear ranked second in importance as a separate commodity; and in 1960, the industry shipped 14,367,650 pairs with a total value of \$31,748,848 as opposed to the 14,975,951 pairs worth \$32,030,531 sold in 1959. The balance of the industry's output consisted of a large number of miscellaneous products such as rubber heels and soles, rubber belting and hose, medical and druggist's supplies, mechanical rubber goods, etc. Shipments of these increased from \$132,961,062 in 1959 to \$134,300,216 in 1960. Since the industry's shipments of both pressure-sensitive tape and of rubber tiles do not comprise the total Canadian production, these totals have been included in "all other products" in Table 6, and footnotes have been added giving the all-industry totals. For 1960 only, the same treatment has been accorded the shipments of foamed latex and chemically blown rubber by the industry in order that the all-industry shipment data might also be shown in a footnote to this table.

Rubber is, of course, the main material used by the industry. The total consumption of natural rubber by the industry in 1960 decreased to 78,385,429 pounds from the 1959 figure of 98,432,607 pounds, and that of synthetic rubber rose to 123,945,393 pounds from the corresponding 1959 total of 122,061,537 pounds. Tables 17 to 21 of this report cover consumption of rubber by all industries, most

of which is consumed by the industry under review. These tables show that the proportion of synthetic to all rubber used by all industries rose from 48.1 per cent in 1959 to 52.2 per cent in 1960 as did that of reclaimed rubber from 14.3 per cent to 14.9 per cent over the same period; there was a corresponding drop in the consumption of natural rubber from 37.6 per cent to 32.9 per cent.

TABLE 1 A. Principal Statistics, 1929 - 59

Basis: Standard Industrial Classification in use prior to 1960.

| Year | Estab- lish- ments | Total em- ployees | Salaries and wages | Cost of fuel and electricity | Cost at plant of materials used | Value added by manufacture | Value of production |
|------------|--------------------------|-------------------------|--------------------------|------------------------------------|---------------------------------------|----------------------------------|--------------------------|
| | number | | | dollars | | | |
| 1929 | 44 | 17,796 | 20,134,501 | 1,456,575 | 42,940,747 | 52,537,338 | 96,934,660 |
| 1932 | 47 | 10,325 | 9,340,911 | 1,083,735 | 11,906,696 | 27,756,479 | 40,746,910 |
| 1934 | 51 | 11,079 | 10,858,637 | 1,192,427 | 18,439,498 | 35,598,456 | 55,230,381 |
| 1935 | 45 | 11,023 | 11,017,431 | 1,189,014 | 20,258,774 | 34,501,782 | 55,949,570 |
| 1937 | 50 | 13,035 | 14,041,066 | 1,339,517 | 31,126,755 | 41,797,481 | 74,263,753 |
| 1939 | 54 | 14,160 | 15,603,774 | 1,331,900 | 28,814,003 | 39,799,568 | 69,945,471 |
| 1941 | 56 | 17,191 | 22,792,376 | 1,708,717 | 59,340,321 | 58,088,738 | 119,137,776 |
| 1943 | 51 | 15,913 | 25,342,508 | 1,908,247 | 68,297,492 | 59,952,041 | 130,157,780 |
| 1945 | 55 | 23,490 | 39,111,477 | 4,076,109 | 78,500,892 | 98,836,225 | 181,413,226 |
| 1946 | 60 | 22,055 | 37,813,363 | 3,821,287 | 62,135,578 | 93,451,248 | 159,408,113 |
| 1947 | 60 | 23,475 | 46,613,893 | 2,700,102 | 82,934,625 | 110,673,007 | 196,307,734 |
| 1948 | 56 | 21,703 | 48,273,015 | 2,888,534 | 84,223,731 | 106,999,669 | 194,111,934 |
| 1949 | 62 | 20,729 | 48,172,207 | 2,902,328 | 73,895,718 | 101,705,513 | 178,503,559 |
| 1950 | 61 | 21,812 | 54,262,864 | 3,349,367 | 101,773,382 | 134,061,761 | 239,184,510 |
| 1951 | 67 | 23,054 | 64,357,696 | 3,541,859 | 146,951,650 | 161,184,980 | 311,678,489 |
| 1952 | 70 | 21,582 | 65,477,683 | 3,522,274 | 120,799,295 | 162,333,060 | 286,654,629 |
| 1953 | 72 | 22,600 | 70,994,643 | 3,724,710 | 114,336,694 | 172,674,055 | 290,735,459 |
| 1954 | 73 | 20,894 | 67,476,405 | 3,999,798 | 106,501,858 | 149,073,979 | 264,184,787 ¹ |
| 1955 | 82 | 21,913 | 73,774,964 | 4,173,111 | 137,074,770 | 187,029,017 | 322,412,379 |
| 1956 | 91 | 23,136 | 82,154,889 | 4,884,170 | 160,686,586 | 198,602,139 | 355,583,815 |
| 1957 | 88 | 22,178 | 83,189,580 | 4,961,524 | 144,246,768 | 176,456,204 | 326,091,308 |
| 1958 | 89 | 19,943 | 76,445,003 | 5,029,413 | 128,572,616 | 174,828,149 | 308,383,196 |
| 1959 | 89 | 21,093 | 86,859,037 | 5,420,412 | 160,396,526 | 188,179,495 | 347,680,280 |

¹ Since 1954 the value of factory shipments has been collected in place of the value of production.

TABLE 1 B. Principal Statistics, 1957-60

Basis: Standard Industrial Classification—revised 1960.

| Year | Estab- lish- ments | Total em- ployees | Salaries and wages | Cost of fuel and electricity | Cost at plant of materials used | Value added by manufacture | Value of factory shipments |
|-----------------------------------|--------------------------|-------------------------|--------------------------|------------------------------------|---------------------------------------|----------------------------------|----------------------------------|
| | number | | | | dollars | | |
| 1957 | | | | | | | |
| Canada | 90 | 22,186 | 83,219,238 | 4,963,470 | 144,271,902 | .. | 326,182,742 |
| Footwear manufacturers | 9 | 4,633 | 12,152,731 | 519,877 | 12,624,102 | .. | 34,498,568 |
| Tire and tube manufacturers | 8 | 8,571 | 37,138,477 | 2,532,194 | 87,231,256 | .. | 188,507,684 |
| Other rubber industries | 73 | 8,982 | 33,928,030 | 1,911,399 | 44,416,544 | .. | 103,176,490 |
| Quebec | 34 | 6,430 | 20,446,898 | 989,268 | 26,093,702 | .. | 59,707,499 |
| Ontario | 47 | 15,681 | 62,513,676 | 3,951,650 | 117,983,850 | .. | 265,831,367 |
| Other provinces | 9 | 75 | 258,664 | 22,552 | 194,350 | .. | 643,876 |
| 1958 | | | | | | | |
| Canada | 91 | 19,951 | 76,469,794 | 5,031,933 | 128,619,194 | .. | 308,488,244 |
| Footwear manufacturers | 9 | 4,718 | 13,562,133 | 564,312 | 12,250,954 | .. | 36,226,513 |
| Tire and tube manufacturers | 8 | 7,834 | 33,961,518 | 2,475,217 | 78,416,043 | .. | 180,754,859 |
| Other rubber industries | 74 | 7,399 | 28,946,143 | 1,992,404 | 37,952,197 | .. | 91,506,872 |
| Quebec | 33 | 5,715 | 18,779,505 | 1,107,482 | 23,258,874 | .. | 54,519,792 |
| Ontario | 47 | 14,170 | 57,439,022 | 3,899,522 | 105,123,934 | .. | 253,352,351 |
| Other provinces | 11 | 66 | 251,267 | 24,929 | 236,386 | .. | 616,101 |
| 1959 | | | | | | | |
| Canada | 90 | 21,101 | 86,894,694 | 5,422,975 | 160,441,694 | 188,249,488 | 347,798,004 |
| Footwear manufacturers | 9 | 4,954 | 15,151,765 | 597,921 | 15,738,469 | .. | 40,293,395 |
| Tire and tube manufacturers | 8 | 8,530 | 40,382,852 | 2,718,361 | 100,066,395 | .. | 201,698,468 |
| Other rubber industries | 73 | 7,617 | 31,360,077 | 2,106,693 | 44,636,830 | .. | 105,806,141 |
| Quebec | 33 | 5,748 | 20,107,969 | 1,175,838 | 26,600,503 | .. | 61,132,061 |
| Ontario | 47 | 15,285 | 66,490,900 | 4,220,635 | 133,613,414 | .. | 285,983,867 |
| Other provinces | 10 | 68 | 295,825 | 26,502 | 227,777 | .. | 682,076 |
| 1960 | | | | | | | |
| Canada | 92 | 20,311 | 84,525,519 | 5,221,839 | 152,660,298 | 168,965,070 | 323,053,118 |
| Footwear manufacturers | 7 | 4,276 | 12,843,178 | 432,637 | 13,403,560 | 19,957,502 | 33,242,827 |
| Tire and tube manufacturers | 9 | 8,073 | 38,530,649 | 2,615,769 | 89,685,657 | 85,282,923 | 175,188,613 |
| Other rubber industries | 76 | 7,962 | 33,151,692 | 2,173,433 | 49,571,081 | 63,724,645 | 114,621,678 |
| Quebec | 33 | 5,980 | 20,979,387 | 1,180,234 | 29,952,956 | 34,146,442 | 64,379,844 |
| Ontario | 47 | 14,184 | 62,925,360 | 3,990,776 | 121,802,358 | 132,856,133 | 256,110,750 |
| Other provinces | 12 | 147 | 620,772 | 50,829 | 904,984 | 1,962,495 | 2,562,524 |

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Comparative Summary Production, 1933 - 60

| Year | Selling value | | | |
|-------------------------|-----------------|------------|-------------------------|--------------|
| | Tires and tubes | Footwear | Other products | All products |
| | dollars | | | |
| 1933 | 17,991,057 | 14,814,062 | 8,706,437 | 41,511,556 |
| 1934 | 27,144,824 | 17,231,906 | 10,853,651 | 55,230,381 |
| 1935 | 27,341,939 | 16,001,738 | 12,605,893 | 55,949,570 |
| 1936 | 29,134,845 | 19,273,181 | 13,646,782 | 62,054,808 |
| 1937 | 36,166,784 | 21,005,538 | 17,091,431 | 74,263,753 |
| 1938 | 28,786,804 | 17,683,697 | 14,560,209 | 61,030,710 |
| 1939 | 31,498,051 | 22,192,408 | 16,255,012 | 69,945,471 |
| 1940 | 41,559,732 | 19,528,586 | 21,932,403 | 83,020,721 |
| 1941 | 64,030,626 | 21,844,601 | 33,262,549 | 119,137,776 |
| 1942 | 66,831,055 | 19,858,565 | 35,541,782 | 122,231,402 |
| 1943 | 64,720,133 | 14,495,794 | 50,941,853 | 130,157,780 |
| 1944 | 70,521,791 | 17,717,137 | 81,272,108 ¹ | 169,511,036 |
| 1945 | 85,239,780 | 24,645,897 | 71,527,549 ¹ | 181,413,226 |
| 1946 | 73,616,630 | 26,223,520 | 59,567,963 ¹ | 159,408,113 |
| 1947 | 112,849,556 | 35,927,326 | 47,530,852 | 196,307,734 |
| 1948 | 107,135,865 | 36,607,817 | 50,368,252 | 194,111,934 |
| 1949 | 96,672,328 | 29,760,190 | 52,071,041 | 178,503,559 |
| 1950 | 135,896,026 | 33,614,612 | 69,673,872 | 239,184,510 |
| 1951 | 176,347,636 | 43,526,934 | 91,803,919 | 311,678,489 |
| 1952 | 154,630,106 | 39,108,674 | 92,915,849 | 286,654,629 |
| 1953 | 156,546,374 | 35,916,401 | 98,272,684 | 290,735,459 |
| 1954 ² | 140,499,146 | 30,449,362 | 93,236,279 | 264,184,787 |
| 1955 | 172,460,104 | 36,322,350 | 113,629,925 | 322,412,379 |
| 1956 | 184,671,116 | 37,941,669 | 132,971,030 | 355,583,815 |
| 1957 ³ | 166,579,422 | 32,856,620 | 126,746,700 | 326,182,742 |
| 1958 ³ | 161,870,150 | 29,733,915 | 116,884,179 | 308,488,244 |
| 1959 ³ | 182,806,411 | 32,030,531 | 132,961,062 | 347,798,004 |
| 1960 ³ | 157,004,054 | 31,748,848 | 134,300,216 | 323,053,118 |

¹ Synthetic rubber included in 1944, 1945 and 1946.² Value of factory shipments given since 1954.³ Based on revised Standard Industrial Classification, 1957 onwards.

TABLE 3. Footwear, 1959 and 1960

| Kind | 1959 | | 1960 | |
|---|-------------------|----------------------------|-------------------|----------------------------|
| | Quantity | Value of factory shipments | Quantity | Value of factory shipments |
| | pairs | \$ | pairs | \$ |
| Boots, all rubber: | | | | |
| (a) Knee, thigh and hip | 1,047,141 | 3,591,726 | 903,817 | 2,970,089 |
| (b) Lumbermen's, etc. | 281,581 | 1,452,223 | 258,928 | 1,317,963 |
| Boots, rubber bottoms and leather tops: | | | | |
| Lumbermen's, etc. | 177,287 | 1,068,415 | 157,664 | 1,154,031 |
| Bottoms for leather tops | 175,049 | 484,988 | 163,195 | 420,638 |
| Overshoes and goloshes: | | | | |
| (a) Cloth uppers | 824,502 | 3,111,499 | 791,126 | 3,221,902 |
| (b) All rubber, lined and unlined | 3,233,830 | 8,888,515 | 2,871,100 | 8,498,111 |
| Light and heavy rubbers | 2,428,988 | 3,223,798 | 2,526,480 | 3,419,856 |
| Utility footwear, with canvas or other fabric tops... | 1,955,617 | 3,616,108 | 2,230,348 | 4,255,995 |
| Bathing shoes | 1 | 1 | 1 | 1 |
| Plastic waterproof footwear, all types | 2,844,519 | 3,256,866 | 2,740,753 | 3,424,940 |
| Leather footwear | 1 | 1 | 1 | 1 |
| Other footwear | 2,007,437 | 3,336,393 | 1,724,239 | 3,065,323 |
| Total footwear | 14,975,951 | 32,030,531 | 14,367,650 | 31,748,848 |

¹ Included in "Other footwear".

TABLE 4. Factory Shipments of Tires, by Types, 1959 and 1960

| | First line | Second line | Third line | Total | Total selling value at factory \$ |
|--|------------------|------------------|------------------|------------------|--|
| 1959 | number | | | | |
| Pneumatic tires (including tubeless): | | | | | |
| Passenger car: | | | | | |
| (a) 4 ply rating | 4,866,235 | 1,789,117 | 880,582 | 7,535,934 | 97,134,834 |
| (b) 6 ply rating | | | | | |
| Truck and bus (including earth-mover, excavator, logger and grader): | | | | | |
| (a) Sizes smaller than 12.00-22 | 946,196 | 77,221 | — | 1,023,417 | 58,945,556 |
| (b) Sizes 12.00-22 and larger | 18,137 | — | — | 18,137 | 4,570,590 |
| Aeroplane | 1 | — | — | 1 | 1 |
| Tractor and implement | 1 | 1 | — | 1 | 1 |
| Industrial, pneumatic and semi-pneumatic (including wheelbarrow) | 55,520 | — | — | 55,520 | 415,234 |
| Motorcycle and sidecar | 1 | — | — | 1 | 1 |
| Bicycle | 1 | 1 | — | 1 | 1 |
| Pneumatic tires, n.e.s. | 546,092 | 191,017 | — | 737,109 | 11,091,568 |
| Solid and cushion tires: | | | | | |
| All types: (including lawn mower, wheelbarrow, pressed-on and moulded-on) | 38,024 | — | — | 38,024 | 308,331 |
| Total tires | 6,470,204 | 2,057,355 | 880,582 | 9,408,141 | 172,466,113 |
| 1960 | number | | | | |
| Pneumatic tires (including tubeless): | | | | | |
| Passenger car: | | | | | |
| (a) 4 ply rating | 4,600,079 | 1,178,326 | 1,073,720 | 6,852,125 | 81,771,254 |
| (b) 6 ply rating | 139,780 | — | — | 139,780 | 2,355,056 |
| Truck and bus (including earth-mover, excavator, logger and grader): | | | | | |
| (a) Sizes smaller than 12.00-22 | 809,536 | 78,320 | — | 887,856 | 50,674,615 |
| (b) Sizes 12.00-22 and larger | 17,045 | — | — | 17,045 | 4,434,188 |
| Aeroplane | 1 | — | — | 1 | 1 |
| Tractor and implement | 1 | 1 | — | 1 | 1 |
| Industrial, pneumatic and semi-pneumatic (including wheelbarrow) | 79,896 | — | — | 79,896 | 442,975 |
| Motorcycle and sidecar | 1 | — | — | 1 | 1 |
| Bicycle | 1 | 1 | — | 1 | 1 |
| Pneumatic tires, n.e.s. | 405,815 | 182,298 | — | 588,113 | 8,584,111 |
| Solid and cushion tires: | | | | | |
| All types: (including lawn mower, wheelbarrow, pressed-on and moulded-on) | 37,899 | — | — | 37,899 | 306,163 |
| Total tires | 6,090,050 | 1,438,944 | 1,073,720 | 8,602,714 | 148,568,362 |

¹ Included with "Pneumatic tires n.e.s." as figures are confidential.

TABLE 5. Factory Shipments of Tubes by Types, 1959 and 1960

| | First line | Second line | Third line | Total | Total selling value at factory \$ |
|---------------------------------------|------------------|----------------|---------------|------------------|--|
| 1959 | number | | | | |
| Passenger car | 2,436,635 | 826,214 | — | 3,262,849 | 5,534,445 |
| Truck and bus: | | | | | |
| (a) Sizes smaller than 12.00-22 | 772,595 | — | — | 772,595 | 3,265,681 |
| (b) Sizes 12.00-22 and larger | 13,364 | — | — | 13,364 | 305,443 |
| Aeroplane | 1 | — | — | 1 | 1 |
| Tractor and implement | 1 | — | — | 1 | 1 |
| Motorcycle and sidecar | 1 | — | — | 1 | 1 |
| Bicycle | 1 | 1 | — | 1 | 1 |
| Tire tubes, n.e.s. | 600,758 | 181,750 | — | 782,508 | 1,234,729 |
| Total tubes | 3,823,352 | 987,964 | — | 4,811,316 | 10,340,298 |

¹ Included with "Tire tubes, n.e.s." as figures are confidential.

TABLE 5. Factory Shipments of Tubes by Types, 1959 and 1960 — Concluded

| | First line | Second line | Third line | Total | Total selling value at factory |
|---------------------------------------|------------------|------------------|---------------|------------------|--------------------------------------|
| | number | | | | \$ |
| 1960 ¹ | | | | | |
| Passenger car | 1,690,311 | 936,355 | — | 2,626,666 | 4,336,882 |
| Truck and bus: | | | | | |
| (a) Sizes smaller than 12.00-22 | 686,827 | — | — | 686,827 | 2,935,272 |
| (b) Sizes 12.00-22 and larger | 14,358 | — | — | 14,358 | 250,797 |
| Aeroplane | 1 | — | — | 1 | 1 |
| Tractor and implement | 188,210 | — | — | 188,210 | 618,159 |
| Motorcycle and sidecar | 1 | — | — | 1 | 1 |
| Bicycle | 1 | 1 | — | 1 | 1 |
| Tire tubes, n.e.s. | 190,195 | 81,221 | — | 271,416 | 294,582 |
| Total tubes | 2,789,901 | 1,017,576 | — | 3,787,477 | 8,435,692 |

¹ Included with "Tire tubes, n.e.s." as figures are confidential.

TABLE 6. Other Products, 1959 and 1960

| | | 1959 | | 1960 | |
|---|---------|---------------------|----------------------------------|------------|----------------------------------|
| | | Quantity | Value of factory shipments | Quantity | Value of factory shipments |
| | | | \$ | | \$ |
| Clothing (rubber, rubberized, plastic, etc.) | doz. | 43,440 ¹ | 2,087,958 | 36,896 | 1,845,535 |
| Fabrics (rubberized, plastic-coated, etc.) | sq. yd. | 5,486,768 | 3,924,928 | 5,028,925 | 3,886,146 |
| Artificial and imitation leather | | 1 | 1 | 1 | 1 |
| Rubber and composition soles (full and taps) | pr. | 6,860,183 | 2,369,864 | 6,182,952 | 2,140,023 |
| Rubber and composition heels | " | 15,251,376 | 1,958,988 | 13,618,433 | 1,804,240 |
| Rubber and composition soling and toplifting sheets | lb. | 13,814,081 | 4,435,926 | 12,329,432 | 4,164,200 |
| Belts and belting: | | | | | |
| Conveyor | " | 5,729,448 | 5,332,998 | 6,686,870 | 5,378,025 |
| Transmission, flat type | " | 1,157,428 | 1,509,964 | 735,950 | 1,051,110 |
| " V-type, automotive fan belts | No. | 2,512,363 | 1,953,830 | 2,339,421 | 1,659,179 |
| " V-type, fractional h.p. belts | " | 1,774,722 | 1,124,137 | 1,608,711 | 939,491 |
| " V-type, other | lb. | 1,054,791 | 2,297,365 | 1,343,918 | 2,752,017 |
| Rubber belts and belting, other | " | 638,673 | 842,845 | | |
| Hose and tubing: | | | | | |
| Garden hose, rubber | ft. | 16,995,216 | 1,564,138 | 13,106,378 | 1,298,360 |
| " " plastic | " | | | | |
| Fire hose, all kinds | lb. | 297,598 | 507,131 | 240,571 | 343,596 |
| Water hose, other | " | 1,241,037 | 1,158,750 | 979,098 | 943,715 |
| Oil and gasoline hose | " | 944,244 | 1,100,260 | 536,796 | 543,071 |
| Rubber hose, other | " | 7,571,880 | 6,946,643 | 6,985,370 | 6,945,096 |
| Rubber tubing | " | 403,388 | 346,513 | 475,590 | 412,794 |
| Plastic pipe, hose and tubing, n.e.s. | " | 360,351 | 378,252 | 347,088 | 378,153 |
| Other extruded plastic products, n.e.s. | " | 1,414,529 | 1,030,187 | 1,989,532 | 1,125,630 |
| Rubber packing, all kinds | " | 1,901,669 | 1,056,492 | 2,691,666 | 1,409,460 |
| Rubber supplies, such as washers, gaskets, etc. | | ... | 2,722,799 | ... | 2,679,355 |
| Rubber thread, covered and not covered | lb. | 761,876 | 1,328,727 | 780,671 | 1,288,810 |
| Rubber and friction tape | " | 3,057,508 | 1,997,888 | 1,705,383 | 1,760,839 |
| Pressure sensitive tape, including cellulose ² | | 1 | 1 | 1 | 1 |
| Rubber covered rolls, wringer, etc. | No. | 391,191 | 1,123,387 | 306,688 | 1,256,960 |
| Rubber roll covering | lb. | 529,963 | 1,276,212 | 1 | 1 |
| Rubber coverings and linings, for tanks, pipes, etc. | " | 1,783,044 | 1,745,838 | 1,931,318 | 1,968,166 |
| Rubber floor mats, matting, stair treads, etc. | " | 4,496,925 | 1,621,324 | 3,121,193 | 1,100,928 |
| Rubber mats for automobiles | No. | 635,137 | 2,413,473 | 880,676 | 3,671,940 |
| Link mats for doors, etc. | sq. ft. | 337,600 | 329,151 | 114,840 | 124,310 |
| Rubber sheet flooring and wainscotting | lb. | 1 | 1 | 1,148,783 | 378,771 |
| Rubber tiles ³ | | 1 | 1 | 1 | 1 |

See footnotes at end of table.

TABLE 6. Other Products, 1959 and 1960 - Concluded

| | | 1959 | | 1960 | |
|---|----------|---------------------|--------------------------------|------------|----------------------------|
| | | Quantity | Value of factory shipments | Quantity | Value of factory shipments |
| | | | \$ | | \$ |
| Rubber tires and tiring, for baby carriages, etc. | lb. | 1,114,773 | 220,467 | 1,040,361 | 189,472 |
| Repair gums and fabrics | " | 601,659 | 682,720 | 578,078 | 650,508 |
| Other unvulcanized gums | " | 380,984 | 328,474 | 805,988 | 424,088 |
| Camelback | " | 20,440,214 | 7,750,215 | 19,989,118 | 7,526,851 |
| Cured rubber, in slabs | " | 467,256 | 446,462 | 606,473 | 616,479 |
| Cements and adhesives | gal. | 959,814 | 2,784,313 | 809,566 | 2,548,008 |
| Tire and tube repair materials (patches, etc.) | No. | 4,033,439 | 1,167,272 | 3,082,982 | 946,620 |
| Tube repair kits | " | 865,803 | 340,518 | 911,459 | 327,795 |
| Tire flaps | " | 65,397 | 129,119 | 242,068 | 434,212 |
| Rubber blankets, printers', etc. | lb. | 325,623 | 318,483 | 375,656 | 405,978 |
| Battery containers | } | .. | 3,288,562 | .. | 3,078,999 |
| Battery covers, vents, etc. | | | | | |
| Channel rubber | lb. | 592,395 | 249,743 | 729,552 | 294,288 |
| Rubber automotive and aeroplane parts, n.e.s. | " | 9,969,530 | 5,409,437 | 10,248,157 | 5,747,196 |
| Druggists' and medical sundries: | | | | | |
| Hot water bottles | } | .. | 494,829 | .. | 515,879 |
| Fountain syringes | | | | | |
| Bulb syringes and bulbs | | | | | |
| Combination attachment sets | | | | | |
| Nipples and soothers | | | | | |
| Ice caps and collars, etc. | | | | | |
| Rubber, rubberized and plastic-coated sheeting | | | | | |
| Sheets, rubber | doz. | 8,998 | 128,087 | 10,950 | 155,037 |
| Gloves, rubber | doz. pr. | 144,595 | 806,851 | 178,078 | 863,018 |
| Gloves, plastic, rubberized and plastic coated fabric | " | 31,995 ^r | 247,606 | 25,368 | 218,181 |
| Air cushions, invalid rings, etc. | } | .. | 8,114 | .. | 8,873 |
| All other (trusses and pads, finger cots, etc.) | | | | | |
| Rubber jar rings | | 1 | 1 | 1 | 1 |
| Weatherstripping, all kinds | lb. | 3,860,328 | 999,939 | 3,042,318 | 771,254 |
| Aprons, rubber, rubberized and plastic | doz. | 15,605 ^r | 161,959 | 12,090 | 150,242 |
| Baby pants, rubber, oiled silk, plastic, etc. | | 1 | 1 | 1 | 1 |
| Bathing caps, shower caps, etc. | | 1 | 1 | 1 | 1 |
| Rubber play balls, including bladders for footballs | " | 1 | 1 | 299,959 | 625,318 |
| Rubber toys and novelties (including dolls) | " | 47,356 | 92,834 | 39,633 | 84,591 |
| Hockey pucks | | 1 | 1 | 1 | 1 |
| Balloons, toy | gross | 243,793 | 584,423 | 324,234 | 626,541 |
| Curtains and drapes (rubber and plastic) | | 1 | 1 | 1 | 1 |
| Extruded rubber goods, n.e.s. | lb. | 1,569,945 | 705,921 | 1,172,544 | 485,695 |
| Moulded rubber goods, n.e.s. | | .. | 2,057,245 | .. | 3,403,675 |
| Moulded plastics, n.e.s. | | .. | 1,028,809 | .. | 1,127,634 |
| Other plastic products, n.e.s. (bags, covers, synthetic resin film, tiles, toys, folding doors, etc.) | | .. | 5,152,915 | .. | 4,910,140 |
| Sponge and hard rubber mats, pads, cushions, etc. | lb. | 780,567 | 329,714 | 364,536 | 198,821 |
| Foamed latex and chemically blown rubber ⁴ | " | 9,102,097 | 7,791,517 | 1 | 1 |
| Rug underlay or cushioning | | 1 | 1 | 1 | 1 |
| Latex compounds (natural and synthetic) | " | 7,731,797 | 2,711,916 | 7,382,124 | 2,968,928 |
| All other products (including reclaimed rubber, stationery goods, etc.) | | ... | 29,419,311 ^r | ... | 37,761,692 |
| Amount received for contract work | | ... | 637,319 | ... | 2,984,283 |
| Total value of other products | | ... | 132,961,062^r | ... | 134,300,216 |

¹ Included in "All other products."² The value of factory shipments of pressure-sensitive tape, in all industries, was \$10,157,686 in 1959 and \$11,833,366 in 1960.³ The factory shipments of rubber tiles, in all industries, were 6,645,997 sq. ft. valued at \$2,034,125 in 1959 and 6,168,462 sq. ft. valued at \$1,867,288 in 1960.⁴ In 1960 the factory shipments of foamed latex and chemically blown rubber, in all industries, were 8,366,340 lb. valued at \$6,872,211.

Note: Figures given above are not necessarily complete, as some items may appear as major or secondary products in other industries. For Canada totals reference should be made to the annual report on "General Review of the Manufacturing Industries of Canada".

TABLE 7. Materials Used, 1959 and 1960

| | | 1959 | | 1960 | |
|---|------|-------------------------|--------------------------------|-------------|-----------------------|
| | | Quantity | Cost value at factory | Quantity | Cost value at factory |
| | | | \$ | | \$ |
| Rubber, natural ¹ | lb. | 98,432,607 | 31,211,216 | 78,385,429 | 30,418,714 |
| Rubber, reclaimed ¹ | " | 36,967,256 | 4,017,717 | 36,331,520 | 3,946,610 |
| Rubber, synthetic ¹ | " | 122,061,537 | 28,651,560 | 123,945,393 | 27,905,975 |
| Rubber, scrap | " | 16,711,229 | 521,306 | 17,964,370 | 563,016 |
| Crude allied gums | " | 23,912 | 64,892 | 30,267 | 69,932 |
| Latex compounds | " | 696,790 | 259,059 | 694,841 | 231,262 |
| Rubber, other (including master batches, camelback, tubing, etc.) | " | | 380,218 | | 462,418 |
| Plastics, synthetic resins | lb. | 12,286,535 | 3,081,760 | 11,915,360 | 2,756,178 |
| Plastics, other | " | 1,511,325 | 1,042,986 | 1,502,566 | 963,017 |
| Tire fabrics, cotton | " | 2,070,807 | 1,528,858 | 1,782,466 | 1,219,106 |
| " rayon | " | 24,712,112 | 20,251,371 | 19,573,930 | 15,064,148 |
| Tire fabrics, all other (nylon, etc.) | " | 6,783,304 | 10,211,710 | 7,754,066 | 10,047,954 |
| Hose fabrics | " | 733,838 | 614,618 | 546,998 | 393,806 |
| Belting duck | " | 2,632,644 | 1,924,271 | 2,478,299 | 1,873,083 |
| Belting fabrics, other | " | 522,031 | 467,402 | 475,109 | 430,898 |
| Holland cloth | " | 1,374,498 | 345,247 | 1,058,952 | 374,033 |
| Shoe fabrics, other than leather | " | 462,722 | 351,811 | 665,715 | 700,879 |
| Miscellaneous cottons | yd. | 9,582,487 | 2,766,007 | 9,348,717 | 2,966,744 |
| Other fabrics, n.e.s. | " | 6,320,434 | 3,226,145 | 5,678,163 | 2,993,422 |
| Yarns, cotton | lb. | 350,535 | 346,055 | 277,819 | 274,445 |
| " rayon, nylon, etc. | " | 1,176,305 | 1,070,917 | 1,199,334 | 1,064,276 |
| Felt | " | 2 | 2 | 18,795 | 25,976 |
| Jutex | " | 2 | 2 | 713,055 | 98,443 |
| Fur | yd. | 475,420 | 118,308 | 742,701 | 192,902 |
| Mouton shearing | lb. | 2 | 2 | 122,360 | 98,996 |
| Leather | " | 470,807 | 519,242 | 293,852 | 429,243 |
| Leather tops for boots | prs. | 2 | 2 | 31,996 | 79,009 |
| Carbon black | lb. | 79,572,465 | 7,118,590 | 69,152,711 | 6,227,059 |
| China clay | " | 16,260,933 | 276,081 | 14,740,917 | 268,627 |
| Other clays and earths | " | 12,363,361 | 251,535 | 10,675,577 | 194,702 |
| Mica, ground | " | 609,155 | 60,171 | 824,556 | 101,466 |
| Solvents | gal. | 4,194,113 | 1,354,616 | 3,556,821 | 1,166,824 |
| Sulphur | lb. | 5,735,985 | 411,381 | 6,401,070 | 392,687 |
| Whiting | " | 21,133,448 | 277,201 | 17,906,624 | 261,091 |
| Litharge | " | 94,491 | 30,234 | 95,917 | 64,467 |
| Zinc oxide | " | 10,491,184 | 1,405,097 | 9,030,353 | 1,281,678 |
| Talc and soapstone | " | 5,003,785 | 109,424 | 3,336,792 | 106,848 |
| Barytes | " | 730,845 | 30,023 | 685,524 | 28,190 |
| Titanium dioxide | " | 1,741,635 | 437,118 | 1,532,501 | 387,226 |
| Accelerators, n.e.s. | " | 2,789,415 | 1,578,085 | 2,390,587 | 1,366,654 |
| Coloring agents, n.e.s. | " | 2,099,400 | 744,808 | 1,069,794 | 353,897 |
| Plasticizers, n.e.s. | " | 16,277,966 | 2,187,679 | 15,618,515 | 2,028,436 |
| Anti-oxidants, n.e.s. | " | 3,885,146 | 1,892,719 | 3,123,295 | 1,600,520 |
| Fillers, n.e.s. | " | 16,623,165 | 999,667 | 16,953,589 | 753,230 |
| Other chemicals, n.e.s. | " | 11,865,753 ² | 3,918,279 ² | 11,987,146 | 4,168,188 |
| Oils | " | 114,518 | 40,195 | 283,337 | 66,383 |
| Wire | " | 9,963,886 | 2,400,061 | 8,653,168 | 2,010,316 |
| Hardware fittings (hose couplings, cocks, etc.) | " | ... | 1,849,240 | ... | 2,077,971 |
| Shoe findings, buckles, eyelets, etc. | " | ... | 1,251,727 | ... | 1,247,241 |
| Lacquers, etc. (dispersions of resins) | gal. | 260,290 | 279,347 | 93,432 | 203,029 |
| Rubber cement | " | 89,254 | 115,453 | 78,891 | 116,067 |
| Paints, varnishes, etc. | " | 35,304 | 67,594 | 43,672 | 73,602 |
| Thread for sewing | " | ... | ... | ... | 34,738 |
| Hose jackets | " | ... | 120,372 | ... | 72,317 |
| All other materials and supplies ³ | " | ... | 6,848,919 ² | ... | 6,265,683 |
| Containers and packaging material | " | ... | 4,102,814 | ... | 4,135,633 |
| Operating, maintenance and repair supplies | " | ... | 6,983,989 | ... | 7,408,314 |
| Amount paid out for contract work | " | ... | 326,599 | ... | 2,552,729 |
| Total cost of materials used | | ... | 160,441,694² | ... | 152,660,298 |

¹ For details of "Rubber used" see Tables 17, 18, 19, 20 and 21.² Included in "All other materials".³ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$100,000. The total estimated value of materials used by these firms was \$390,780 in 1959 and \$197,447 in 1960, and these amounts have been included in "All other materials and supplies".

TABLE 8. Imports¹ of Rubber and Rubber Goods, 1959 and 1960

| Import class | Commodities imported | 1959 | | 1960 | |
|--------------|---|------------|------------|------------|------------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| 1680 | Rubber allied gums, n.o.p. lb. | 24,336 | 34,047 | 74,815 | 177,165 |
| 1683 | Natural rubber, crude | 94,637,041 | 27,474,095 | 72,080,066 | 24,795,589 |
| 1678 | Natural rubber, latex | 8,266,136 | 3,038,686 | 5,904,115 | 2,505,834 |
| 1679 | Synthetic rubber, latex | 8,542,565 | 2,971,758 | 8,716,019 | 2,876,192 |
| 1689 | Synthetic rubber, crude, and other rubber substitutes | 59,907,732 | 14,328,335 | 31,602,821 | 8,181,246 |
| 1691 | Rubber, hard, in sheets, strips, rods or tubes .. | 28,803 | 59,432 | 59,746 | 102,049 |
| 1687 | Rubber, powdered, and rubber waste | 8,273,100 | 333,723 | 5,211,316 | 306,729 |
| 1688 | Rubber, recovered | 26,790,900 | 2,751,211 | 22,461,040 | 2,372,836 |
| 1690 | Rubber, thread, not covered | 353,948 | 505,972 | 336,302 | 610,375 |
| 1697 | Foam, rubber sheeting | — | 184,378 | — | 178,819 |
| 1698 | Rubber sheeting, n.o.p. | — | 381,655 | — | 479,891 |
| 1702 | Canvas shoes with rubber soles | 4,534,555 | 2,101,436 | 4,786,985 | 2,208,400 |
| 1703 | Boots and shoes, rubber, n.o.p. | 3,586,042 | 3,676,922 | 4,475,272 | 4,266,036 |
| 1715 | Tires, bicycle and motorcycle | 749,990 | 481,921 | 614,070 | 404,788 |
| 1721 | Tires, bicycle, inner tubes | 790,550 | 218,299 | 688,096 | 189,404 |
| 1731 | Tires, pneumatic, used and second hand, except scrap | 72,954 | 305,105 | 111,061 | 471,356 |
| 1732 | Tires, tractor and implement | 49,678 | 1,880,454 | 61,648 | 2,360,380 |
| 1716 | Tire casings, n.o.p. | 204,866 | 7,201,584 | 223,652 | 7,467,020 |
| 1717 | Tires, inner tubes, n.o.p. | 117,912 | 317,696 | 133,030 | 349,903 |
| 1718 | Tires, solid rubber, for automobiles and trucks .. | 2,026 | 47,706 | 1,300 | 35,942 |
| 1719 | Tires, solid rubber, n.o.p. | — | 514,727 | — | 452,704 |
| 1707 | Golf balls | 128,355 | 462,636 | 164,720 | 653,529 |
| 1708 | Heels, rubber | 1,587,741 | 170,966 | 1,063,375 | 131,520 |
| 1728 | Soles and soling materials of rubber | — | 564,650 | — | 412,676 |
| 1709 | Hose, rubber and rubber lined | — | 2,446,274 | — | 2,554,181 |
| 1701 | Belting, rubber, n.o.p. | — | 564,548 | — | 586,902 |
| 1699 | Conveyor belting, rubber | — | 451,468 | — | 511,595 |
| 1727 | V-belts, chiefly of rubber | — | 828,965 | — | 656,421 |
| 1704 | Cement, rubber | — | 881,880 | — | 839,991 |
| 1714 | Raincoats of rubber | 647 | 5,736 | 598 | 5,233 |
| 3071 | Raincoats of water-proofed cotton | 188,874 | 872,542 | 172,544 | 659,504 |
| 1705 | Clothing, rubber or water-proofed, n.o.p. | — | 1,924,847 | — | 818,494 |
| 1706 | Gloves, rubber | 126,907 | 560,625 | 165,874 | 654,824 |
| 1710 | Hot water bottles, rubber | — | 75,902 | — | 87,473 |
| 1712 | Mats and matting, rubber | — | 1,601,058 | — | 1,612,019 |
| 1726 | Flooring and tile of rubber | 278,257 | 476,041 | 202,825 | 346,102 |
| 1713 | Packing, rubber | — | 317,726 | — | 322,765 |
| 1711 | Sealing compounds, liquid or paste | — | 204,666 | — | 211,529 |
| 1722 | Gaskets and washers, rubber | — | 1,617,293 | — | 1,387,145 |
| 1729 | Automotive parts of rubber, n.o.p. | — | 1,977,327 | — | 2,391,915 |
| 1723 | Druggists' sundries, rubber | — | 1,043,732 | — | 904,604 |
| 1724 | Tire repair material of rubber | — | 871,955 | — | 882,977 |
| 1725 | Nursing nipples, rubber | 9,122 | 101,512 | 9,885 | 122,278 |
| 1730 | Weatherstripping of rubber | — | 938,455 | — | 993,668 |
| 1720 | Manufactures of rubber and gutta-percha, n.o.p. | — | 6,246,071 | — | 6,833,624 |
| | Totals | ... | 94,016,017 | ... | 85,373,627 |

¹ These data are published monthly in "Trade of Canada-Imports" (Cat. No. 65-007), which also shows the details of shipments from individual countries.

TABLE 9. Exports¹ of Rubber and Rubber Goods, 1959 and 1960

| Export class | Commodities exported | 1959 | | 1960 | |
|----------------|---|----------|------------|----------|-----------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| 1300 | Soling slabs of rubber lb. | 9,540 | 3,051 | 13,022 | 4,231 |
| 1305 | Camelback " | 350,900 | 115,364 | 269,200 | 88,844 |
| 1270 | Heels of rubber pr. | 37,722 | 8,492 | 44,024 | 9,438 |
| 1290 | Soles of rubber " | 40,026 | 26,232 | 16,957 | 9,930 |
| 1200 | Waste rubber cwt. | 240,994 | 347,994 | 201,183 | 316,358 |
| 1210 | Fan belts of rubber | — | 121,168 | — | 17,277 |
| 1220 | Belting of rubber, n.o.p. lb. | 308,715 | 216,359 | 211,023 | 160,830 |
| 1280 | Hose of rubber | — | 227,256 | — | 186,727 |
| 1230 | Canvas shoes with rubber soles pr. | 3,339 | 7,530 | 1,047 | 3,616 |
| 1240 | Boots and shoes of rubber, n.o.p. " | 138,935 | 228,348 | 99,479 | 233,862 |
| 1260 | Clothing, rubber and water-proofed | — | 218,906 | — | 174,217 |
| 1311 | Pneumatic tires for passenger automobiles No. | 241,777 | 2,690,855 | 115,815 | 1,292,789 |
| 1315 | Pneumatic tires for trucks, buses, etc. " | 76,248 | 4,006,128 | 66,715 | 3,292,463 |
| 1317 | Pneumatic tires for tractors | 35,892 | 1,204,898 | 16,245 | 743,636 |
| 1319 | Pneumatic tires for motor vehicles, n.o.p. " | 1,358 | 10,622 | 709 | 13,913 |
| 1330 | Tires for other vehicles, n.o.p. " | 7,315 | 60,658 | 4,294 | 33,274 |
| 1321 & 1325 | Inner tubes | 211,565 | 550,470 | 161,560 | 480,381 |
| 1340 | Manufactures of rubber, n.o.p. | — | 1,537,178 | — | 1,421,670 |
| | Totals | ... | 11,581,509 | ... | 8,483,456 |

¹ These data are published monthly in "Trade of Canada-Exports" (Cat. No. 65-004), which also shows the details of shipments to individual countries.

TABLE 10. Employees and their Earnings, by Industries and by Provinces, 1959 and 1960

| | Supervisory and office employees | | | Production workers (monthly averages) | | | Total employees and total earnings | | |
|------------------------------|----------------------------------|--------------|-------------------|---------------------------------------|--------------|-------------------|------------------------------------|--------------|--------------------|
| | Male | Female | Salaries | Male | Female | Wages | Male | Female | Salaries and wages |
| | number | | \$ | number | | \$ | number | | \$ |
| 1959 | | | | | | | | | |
| Canada | 3,811 | 1,534 | 26,466,124 | 12,553 | 3,203 | 60,428,570 | 16,364 | 4,737 | 86,894,694 |
| Foot wear manufacturers | 505 | 251 | 3,142,347 | 2,400 | 1,798 | 12,009,418 | 2,905 | 2,049 | 15,151,765 |
| Tire and tube manufacturers | 1,676 | 571 | 11,206,043 | 5,960 | 323 | 29,176,809 | 7,636 | 894 | 40,382,852 |
| Other rubber industries | 1,630 | 712 | 12,117,734 | 4,193 | 1,082 | 19,242,343 | 5,823 | 1,794 | 31,360,077 |
| Quebec | 896 | 381 | 6,324,241 | 3,108 | 1,363 | 13,783,728 | 4,004 | 1,744 | 20,107,969 |
| Ontario | 2,903 | 1,144 | 20,029,753 | 9,409 | 1,829 | 46,461,147 | 12,312 | 2,973 | 66,490,900 |
| Other provinces | 12 | 9 | 112,130 | 36 | 11 | 183,695 | 48 | 20 | 295,825 |
| 1960 | | | | | | | | | |
| Canada | 3,665 | 1,519 | 26,742,622 | 11,981 | 3,146 | 57,782,897 | 15,646 | 4,665 | 84,525,519 |
| Foot wear manufacturers | 419 | 230 | 2,536,020 | 1,998 | 1,629 | 10,307,158 | 2,417 | 1,859 | 12,843,178 |
| Tire and tube manufacturers | 1,571 | 591 | 11,649,661 | 5,629 | 282 | 26,880,988 | 7,200 | 873 | 38,530,649 |
| Other rubber industries | 1,675 | 698 | 12,556,941 | 4,354 | 1,235 | 20,594,751 | 6,029 | 1,933 | 33,151,692 |
| Quebec | 936 | 397 | 6,459,199 | 3,175 | 1,472 | 14,520,188 | 4,111 | 1,869 | 20,979,387 |
| Ontario | 2,693 | 1,112 | 20,040,991 | 8,713 | 1,666 | 42,884,369 | 11,406 | 2,778 | 62,925,360 |
| Other provinces | 36 | 10 | 242,432 | 93 | 8 | 378,340 | 129 | 18 | 620,772 |

TABLE 11. Production Workers by Months, 1960

| | Male | Female |
|-------------------------------------|--------|--------|
| | number | |
| January | 12,239 | 3,088 |
| February | 12,336 | 3,143 |
| March | 12,308 | 3,135 |
| April | 12,184 | 3,136 |
| May | 12,044 | 3,191 |
| June | 12,002 | 3,252 |
| July | 11,937 | 3,073 |
| August | 12,139 | 3,269 |
| September | 12,199 | 3,366 |
| October | 11,937 | 3,383 |
| November | 11,529 | 3,028 |
| December | 10,841 | 2,724 |
| Monthly averages ¹ | 11,981 | 3,146 |

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$500,000 and over. For establishments reporting value of shipments between \$100,000 and \$500,000 quarterly figures only were collected and the employment figure reported at the end of each quarter was used as the monthly employment figure for that quarter. For establishments reporting value of shipments of less than \$100,000 no data on the number of workers were collected. The average was estimated by using the change in value of shipments to arrive at the value of the payroll which was then used in conjunction with estimated average earnings to arrive at the number of workers. This estimated number of workers was then included in each month's total.

TABLE 12. Fuel and Electricity, 1960

| Kind | Quantity | Cost at plant |
|--|-------------------|---------------|
| | | \$ |
| Establishments reporting commodity detail: ¹ | | |
| Bituminous coal (a) From Canadian mines | ton 4,975 | 66,864 |
| (b) Imported | " 150,747 | 1,597,175 |
| Gasoline (including gasoline used in cars and trucks) | Imp. gal. 270,403 | 95,621 |
| Fuel oil including kerosene or coal oil | " 5,245,340 | 497,020 |
| Gas (a) Liquefied petroleum gases | " 11,444 | 2,888 |
| (b) Other manufactured gas | M cu. ft. 17,510 | 16,257 |
| (c) Natural gas | " 131,830 | 93,790 |
| Other fuel | | 1,382 |
| Electricity purchased | kwh. 286,455,991 | 2,549,629 |
| Steam purchased | pound 155,843,647 | 189,146 |
| Establishments reporting group detail: ² | | |
| Cost of fuel | ... | 55,589 |
| Cost of electricity | ... | 47,324 |
| Estimate for establishments for which no data were collected: ³ | | |
| Cost of fuel and electricity | ... | 9,154 |
| All establishments: | | |
| Total cost of fuel and electricity | ... | 5,221,839 |

¹ Establishments generally reporting value of shipments of \$500,000 and over.

² Establishments generally reporting value of shipments between \$100,000 and \$500,000.

³ Establishments generally reporting value of shipments of less than \$100,000.

TABLE 13. Inventories, 1960

| Province | Raw materials and supplies | Goods in process | Finished goods of own manufacture | Total value ¹ |
|-----------------------------------|----------------------------|------------------|-----------------------------------|--------------------------|
| dollars | | | | |
| Opening inventory ² | | | | |
| Canada | 18,023,853 | 7,904,762 | 35,570,124 | 61,498,739 |
| Footwear manufacturers | 2,147,172 | 464,097 | 4,962,797 | 7,574,066 |
| Tire and tube manufacturers | 8,426,906 | 3,994,309 | 21,262,769 | 33,683,984 |
| Other rubber industries | 7,449,775 | 3,446,356 | 9,344,558 | 20,240,689 |
| Quebec | 4,040,101 | 1,144,317 | 5,736,197 | 10,920,615 |
| Ontario | 13,935,368 | 6,755,195 | 29,828,328 | 50,518,891 |
| Other provinces | 48,384 | 5,250 | 5,599 | 59,233 |
| Closing inventory | | | | |
| Canada | 15,126,130 | 8,227,830 | 39,041,145 | 62,395,105 |
| Footwear manufacturers | 2,150,222 | 475,732 | 5,502,034 | 8,127,988 |
| Tire and tube manufacturers | 6,294,131 | 4,055,795 | 23,597,019 | 33,946,945 |
| Other rubber industries | 6,681,777 | 3,696,303 | 9,942,092 | 20,320,172 |
| Quebec | 3,931,546 | 1,240,187 | 6,540,115 | 11,711,848 |
| Ontario | 11,056,475 | 6,908,679 | 32,213,361 | 50,178,515 |
| Other provinces | 138,109 | 78,964 | 287,669 | 504,742 |

¹ Book value of all manufacturing inventories held at plants and plant warehouses.

² The opening inventory for 1960 differs from the closing inventory published for 1959 because of receipt of revised data, new firms and the removal of figures for firms which did not operate during 1960.

TABLE 14. Capital and Repair Expenditures, 1948-60

| | Capital expenditures | | | Repair expenditures | | | Capital and Repair expenditures | | |
|-------------------------|----------------------|-------------------------|-----------|---------------------|-------------------------|-----------|---------------------------------|-------------------------|--------|
| | Con-struction | Machinery and equipment | Sub-total | Con-struction | Machinery and equipment | Sub-total | Con-struction | Machinery and equipment | Total |
| thousands of dollars | | | | | | | | | |
| 1948 | 1,547 | 5,684 | 7,231 | 896 | 4,638 | 5,534 | 2,443 | 10,322 | 12,765 |
| 1949 | 1,656 | 4,604 | 6,260 | 626 | 4,401 | 5,027 | 2,282 | 9,005 | 11,287 |
| 1950 | 635 | 4,067 | 4,702 | 707 | 4,593 | 5,300 | 1,342 | 8,660 | 10,002 |
| 1951 | 1,998 | 5,886 | 7,884 | 854 | 5,515 | 6,369 | 2,852 | 11,401 | 14,253 |
| 1952 | 2,747 | 7,347 | 10,094 | 893 | 6,005 | 6,898 | 3,640 | 13,352 | 16,992 |
| 1953 | 4,087 | 11,131 | 15,218 | 1,305 | 6,044 | 7,349 | 5,392 | 17,175 | 22,567 |
| 1954 | 4,649 | 11,121 | 15,770 | 1,024 | 5,885 | 6,909 | 5,673 | 17,006 | 22,679 |
| 1955 | 3,030 | 12,107 | 15,137 | 848 | 6,771 | 7,619 | 3,878 | 18,878 | 22,756 |
| 1956 | 2,880 | 10,988 | 13,868 | 1,124 | 7,388 | 8,512 | 4,004 | 18,376 | 22,380 |
| 1957 | 6,024 | 10,883 | 16,907 | 1,062 | 7,846 | 8,908 | 7,086 | 18,729 | 25,815 |
| 1958 | 2,000 | 6,413 | 8,413 | 1,009 | 7,455 | 8,464 | 3,009 | 13,868 | 16,877 |
| 1959 | 3,656 | 9,791 | 13,447 | 1,157 | 8,329 | 9,486 | 4,813 | 18,120 | 22,933 |
| 1960 ^P | 6,012 | 17,081 | 23,093 | 1,017 | 8,030 | 9,047 | 7,029 | 25,111 | 32,140 |

TABLE 15. Principal Statistics of the Rubber Industries grouped by Type of Ownership, 1959 and 1960

| Type of ownership | Estab- lish- ments | Em- ployees | Salaries and wages | Cost of fuel and electricity | Cost of materials used | Value of factory shipments |
|------------------------------|--------------------------|----------------|--------------------------|------------------------------------|------------------------------|----------------------------------|
| | number | | dollars | | | |
| 1959 | | | | | | |
| Individual ownership | 8 | 36 | 95,600 | 4,264 | 50,390 | 181,789 |
| Partnership | 3 | 20 | 62,400 | 1,137 | 80,780 | 186,005 |
| Incorporated companies | 79 | 21,045 | 86,736,694 | 5,417,574 | 160,310,524 | 347,430,210 |
| Totals | 90 | 21,101 | 86,894,694 | 5,422,975 | 160,441,694 | 347,798,004 |
| 1960 | | | | | | |
| Individual ownership | 8 | 33 | 87,215 | 4,200 | 56,496 | 200,363 |
| Partnership | 1 | | | | | |
| Incorporated companies | 83 | 20,278 | 84,438,304 | 5,217,639 | 152,603,802 | 322,852,755 |
| Totals | 92 | 20,311 | 84,525,519 | 5,221,839 | 152,660,298 | 323,053,118 |

TABLE 16. Principal Statistics of the Rubber Industries grouped by Shipment Size, 1959 and 1960

| Size of shipments | Estab- lish- ments | Total em- ployees | Salaries and wages | Cost of fuel and electricity | Cost of materials used | Value of factory shipments |
|------------------------------|--------------------------|-------------------------|--------------------------|------------------------------------|------------------------------|----------------------------------|
| | number | | dollars | | | |
| 1959 | | | | | | |
| Under \$10,000 | 3 | 3 | 2,900 | 295 | 660 | 4,296 |
| \$ 10,000 to \$ 24,999 | 9 | 25 | 71,800 | 3,000 | 45,970 | 139,884 |
| 25,000 " 49,999 | 5 | 21 | 51,584 | 1,618 | 103,900 | 196,323 |
| 50,000 " 99,999 | 4 | 25 | 87,030 | 4,502 | 98,610 | 272,547 |
| 100,000 " 199,999 | 10 | 132 | 450,742 | 19,774 | 759,099 | 1,617,795 |
| 200,000 " 499,999 | 15 | 483 | 1,670,549 | 106,389 | 1,988,380 | 5,647,500 |
| 500,000 " 999,999 | 10 | 557 | 1,677,748 | 124,658 | 3,510,653 | 6,807,898 |
| 1,000,000 " 4,999,999 | 15 | 3,462 | 11,575,234 | 858,830 | 16,469,051 | 39,764,258 |
| 5,000,000 and over | 19 | 16,393 | 71,307,107 | 4,303,909 | 137,465,371 | 293,347,503 |
| Totals | 90 | 21,101 | 86,894,694 | 5,422,975 | 160,441,694 | 347,798,004 |
| 1960 | | | | | | |
| Under \$10,000 | 6 | 10 | 25,944 | 1,215 | 10,101 | 30,097 |
| \$ 10,000 to \$ 24,999 | 9 | 25 | 75,621 | 2,325 | 76,052 | 172,484 |
| 25,000 " 49,999 | 4 | 40 | 110,102 | 6,753 | 79,862 | 275,979 |
| 50,000 " 99,999 | 2 | | | | | |
| 100,000 " 199,999 | 8 | 81 | 275,238 | 17,518 | 499,748 | 1,071,040 |
| 200,000 " 499,999 | 18 | 588 | 2,009,468 | 125,944 | 2,263,114 | 6,209,822 |
| 500,000 " 999,999 | 9 | 504 | 1,786,154 | 139,206 | 3,428,601 | 6,576,110 |
| 1,000,000 " 4,999,999 | 18 | 3,463 | 12,008,480 | 926,210 | 21,130,210 | 45,131,121 |
| 5,000,000 and over | 18 | 15,600 | 68,234,512 | 4,002,668 | 125,172,610 | 263,586,465 |
| Totals | 92 | 20,311 | 84,525,519 | 5,221,839 | 152,660,298 | 323,053,118 |

The statistics contained in the body of this report are compiled from returns submitted annually by firms whose principal operations necessitate that they be classified under the Rubber Industry. However, there are other firms using rubber, most notably those engaged in Wire and Cable manufacturing, whose operations are outside the scope of the Rubber Industry. In order that there may be available a total picture of rubber as a **Commodity** a monthly survey is maintained, in which all firms using rubber at the raw level are included. This survey results in statistics on the total consumption of rubber, by types, and by broad end product use

groups, and data of this nature compiled from monthly returns are presented in the special supplementary tables following this text.

For a historical series, covering rubber as a commodity, and showing the month to month figures for 1960, reference should be made to the "Monthly Report on Consumption, Production and Inventories of Rubber."

Because of rounding, the totals in Tables 18 to 21, inclusive, do not always agree with the total of the monthly figures.

TABLE 17. Consumption of Synthetic Rubber, by Types and by Months, 1960

| | Buna-S | | Butyl | Neoprene | Buna-N | Other | Total |
|-----------------|-------------|-----------|-----------|-----------|-----------|---------|-------------|
| | Solid | Latex | | | | | |
| | pounds | | | | | | |
| January | 8,406,720 | 620,480 | 904,960 | 535,360 | 253,120 | 24,640 | 10,745,280 |
| February | 9,085,440 | 665,280 | 990,080 | 515,200 | 286,720 | 22,400 | 11,565,120 |
| March | 9,486,400 | 631,680 | 1,043,840 | 613,760 | 217,280 | 24,640 | 12,017,600 |
| April | 7,748,160 | 481,600 | 875,840 | 497,280 | 159,040 | 20,160 | 9,782,080 |
| May | 7,367,360 | 450,240 | 840,000 | 504,000 | 176,960 | 22,400 | 9,360,960 |
| June | 9,002,560 | 488,320 | 851,200 | 539,840 | 176,960 | 35,840 | 11,094,720 |
| July | 7,400,960 | 336,000 | 629,440 | 324,800 | 132,160 | 20,160 | 8,843,520 |
| August | 6,836,480 | 535,360 | 616,000 | 456,960 | 127,680 | 22,400 | 8,594,880 |
| September | 9,105,600 | 560,000 | 754,880 | 533,120 | 203,840 | 22,400 | 11,179,840 |
| October | 8,317,120 | 506,240 | 611,520 | 472,640 | 145,600 | 103,040 | 10,156,160 |
| November | 9,479,680 | 474,880 | 887,040 | 524,160 | 208,320 | 100,800 | 11,674,880 |
| December | 8,370,880 | 427,840 | 649,600 | 461,440 | 85,120 | 107,520 | 10,102,400 |
| Totals | 100,607,360 | 6,177,920 | 9,654,400 | 5,978,560 | 2,172,800 | 526,400 | 125,117,440 |

TABLE 18. Consumption of Synthetic Rubber, in Total, by End Products, and by Months, showing also Percentage of Synthetic to All Rubber Consumed, 1960

| | Synthetic | | Consumed in the manufacture of | | | |
|---------------------|----------------|--------------------------|--------------------------------|----------------|-----------------------|----------------|
| | Total | Percentage of all rubber | Tires and tubes ¹ | Wire and cable | Footwear ² | Other products |
| | 000's lbs. | % | 000's lbs. | | | |
| January | 10,745 | 49.8 | 7,320 | 567 | 981 | 1,877 |
| February | 11,565 | 49.9 | 7,791 | 475 | 1,122 | 2,177 |
| March | 12,018 | 50.8 | 8,142 | 544 | 1,172 | 2,159 |
| April | 9,782 | 51.3 | 6,608 | 529 | 847 | 1,799 |
| May | 9,361 | 49.8 | 6,220 | 473 | 992 | 1,676 |
| June | 11,095 | 51.2 | 7,784 | 567 | 1,028 | 1,716 |
| July | 8,844 | 53.3 | 6,736 | 249 | 553 | 1,306 |
| August | 8,595 | 53.5 | 5,363 | 441 | 1,187 | 1,604 |
| September | 11,180 | 54.1 | 7,502 | 553 | 1,095 | 2,029 |
| October | 10,156 | 54.1 | 6,863 | 470 | 988 | 1,835 |
| November | 11,675 | 54.7 | 8,228 | 513 | 1,091 | 1,844 |
| December | 10,102 | 55.4 | 6,884 | 511 | 1,062 | 1,646 |
| Totals | 125,117 | 52.2 | 85,440 | 5,891 | 12,118 | 21,668 |

¹ Includes "tire repair material".

² Includes "heels, soles, etc.".

TABLE 19. Consumption of Natural Rubber in Total, by End Products, and by Months, showing also Percentage of Natural to All Rubber Consumed, 1960

| | Natural | | Consumed in the manufacture of | | | |
|---------------------|---------------|--------------------------|--------------------------------|----------------|-----------------------|----------------|
| | Total | Percentage of all rubber | Tires and tubes ¹ | Wire and cable | Footwear ² | Other products |
| | 000's lbs. | % | 000's lbs. | | | |
| January | 7,484 | 34.7 | 5,522 | 34 | 477 | 1,452 |
| February | 7,997 | 34.5 | 5,775 | 56 | 560 | 1,606 |
| March | 7,856 | 33.2 | 5,658 | 47 | 627 | 1,523 |
| April | 6,135 | 32.2 | 4,294 | 29 | 538 | 1,275 |
| May | 6,433 | 34.2 | 4,659 | 29 | 549 | 1,196 |
| June | 7,264 | 33.5 | 5,286 | 22 | 591 | 1,364 |
| July | 5,477 | 33.0 | 4,236 | 9 | 260 | 972 |
| August | 5,412 | 33.7 | 3,463 | 34 | 670 | 1,245 |
| September | 6,606 | 32.0 | 4,639 | 27 | 609 | 1,331 |
| October | 6,057 | 32.2 | 4,146 | 20 | 638 | 1,252 |
| November | 6,671 | 31.3 | 4,579 | 27 | 600 | 1,465 |
| December | 5,410 | 29.7 | 3,868 | 52 | 316 | 1,174 |
| Totals | 78,801 | 32.9 | 56,125 | 385 | 6,436 | 15,855 |

TABLE 20. Consumption of Reclaimed Rubber in Total, by End Products, and by Months, showing also Percentage of Reclaimed to All Rubber Consumed, 1960

| | Reclaimed | | Consumed in the manufacture of | | | |
|---------------------|---------------|--------------------------|--------------------------------|----------------|-----------------------|----------------|
| | Total | Percentage of all rubber | Tires and tubes ¹ | Wire and cable | Footwear ² | Other products |
| | 000's lbs. | % | 000's lbs. | | | |
| January | 3,342 | 15.5 | 2,119 | — | 190 | 1,033 |
| February | 3,633 | 15.7 | 2,323 | — | 193 | 1,118 |
| March | 3,801 | 16.1 | 2,542 | — | 217 | 1,042 |
| April | 3,140 | 16.5 | 2,018 | — | 188 | 934 |
| May | 2,999 | 16.0 | 1,929 | — | 179 | 892 |
| June | 3,315 | 15.3 | 2,137 | — | 197 | 981 |
| July | 2,258 | 13.6 | 1,740 | — | 94 | 423 |
| August | 2,068 | 12.9 | 1,364 | — | 258 | 446 |
| September | 2,883 | 13.9 | 1,931 | — | 253 | 699 |
| October | 2,572 | 13.7 | 1,687 | — | 199 | 685 |
| November | 2,995 | 14.0 | 1,846 | 2 | 217 | 930 |
| December | 2,710 | 14.9 | 1,772 | 2 | 186 | 750 |
| Totals | 35,717 | 14.9 | 23,408 | 4 | 2,372 | 9,933 |

¹ Includes "tire repair materials".² Includes "heels, soles, etc."**TABLE 21. Consumption of All Rubber, by Main Types and by End Products Classification, 1960**

| End products | Natural | Synthetic | Reclaimed | Total all rubber |
|---|---------------|----------------|---------------|------------------|
| Tires, tubes and tire repair materials | 56,125 | 85,440 | 23,408 | 164,973 |
| Wire and cable | 385 | 5,891 | 4 | 6,280 |
| Footwear (including heels, soles, etc.) | 6,436 | 12,118 | 2,372 | 20,926 |
| Other products | 15,855 | 21,667 | 9,933 | 47,455 |
| Totals | 78,801 | 125,117 | 35,717 | 239,635 |

List of Firms in the Rubber Industries, 1960

Index to Industry: A Footwear; B Tires; C Other Products

Index to Products: (1) Footwear (2) Tires (3) Other Products

| Name of company | Address | Industry | Products |
|--|---|----------|-------------|
| Quebec: | | | |
| The Acton Rubber Ltd. | Acton Vale | A | (1) (3) |
| American Bilrite Rubber Co. (Canada) Ltd. | 255 Jenckes Lane, Sherbrooke | C | (3) |
| American Wringer Company (Division of Hamstell Corp. Ltd.) | Farnham | C | (3) |
| Arrowtape Industries Ltd. | 1955 Notre Dame St., Lachine | C | (3) |
| Best Rubber Carpets Reg'd | 1583, rue Iberville, Montreal | C | (3) |
| M. Bloomfield & Sons, Ltd. | 7230 Alexandra St., Montreal | C | (3) |
| The British Rubber Company Limited | 455-19th Ave., Lachine | A | (1) (2) (3) |
| Canadian Lastex Ltd. | 1665 Notre Dame St., E., Montreal | C | (3) |
| Canadian Technical Tape Limited | 455 Côte Vertu Road, St. Laurent | C | (3) |
| Cat's Paw Holtite Rubber Co. of Canada Ltd. | Drummondville | C | (3) |
| Rémi Carrier, Inc. | 70, Blvd. Henri Bourassa, Charlesbourg | C | (3) |
| Dominion Rubber Co. Ltd. | St. Jerome | A | (1) |
| Dominion Rubber Co. Ltd. | 1806 Notre Dame St. E., Montreal | C | (3) |
| Dominion Rubber Co. Ltd. (Latex and Reclaim Division) | 1840 Notre Dame St. E., Montreal | C | (3) |
| Durie & Miller of Canada Ltd. | 977 Aqueduct St., Montreal | C | (3) |
| General Latex and Chemicals (Canada) Ltd. | 425 River St., Verdun | C | (3) |
| B.F. Goodrich Sponge Products Canada Ltd. | Waterville | C | (3) |
| The Goodyear Tire & Rubber Co. of Canada Ltd. | 1195 Taillon St., Quebec | C | (2) (3) |
| Jiffy Products Inc. | 2052 St. Catherine St. W., Montreal | C | (3) |
| Laval Tanguay, Inc. | 395-10th Ave. S., Sherbrooke | C | (3) |
| Lion Rubber & Plastics Ltd. | 0140 Clement St., Ville Lasalle | C | (3) |
| The Miner Rubber Co. Ltd. | 191 Denison Ave., Granby | A | (1) (3) |
| National Latex Products Ltd. | Rear 824 Ste Croix Blvd., St. Laurent | C | (3) |
| Olympic Fibre Industries, Reg'd | 10901 Dupont St., Montreal | C | (3) |
| Peelcoat Industries Reg'd | 201 Laval St., Granby | C | (3) |
| Precision Rubber Products (Canada) Ltd. | 156 Turgeon St., Ste. Thérèse de Blainville | C | (3) |
| Rockland Accessories Limited | Kingsbury | C | (3) |
| The Rubber Guild | 2444 Centre St., Montreal | C | (3) |
| Steba Manufacturing Company Ltd. | St-Rémi | A | (1) |
| Stedfast Rubber Co. (Canada) Ltd. | Granby | C | (3) |
| Tillotson Rubber Co. Ltd. | 260 St. Michel St., St. Johns | C | (3) |
| Wilkinson Linatex Co. Ltd. | 1975 Bois Franc Road, St. Laurent | C | (3) |
| F.E. Woodward & Son Limited | 290-17th Ave., Lachine | C | (3) |
| Ontario: | | | |
| Adhesive Tapes Canada Ltd. | 10 Esandar Drive, Toronto | C | (3) |
| Armet Industries Limited (Silicone of Paint Division) | 145 Surrey St. E., Guelph | C | (3) |
| Bata Shoe Co. of Canada, Ltd. | Batawa | A | (1) (3) |
| Bilrite Tire Co. Ltd. | 121 De Grassi St., Toronto | C | (3) |
| Botsford Rubber Co. Ltd. | 40 John St., Thorold | B | (2) |
| Bowes "Seal Fast" Co. Ltd. | 765 Woodward Ave., Hamilton | C | (3) |
| Canadian General-Tower Ltd. | 52 Middleton St., Galt | C | (3) |
| Canadian Collord Products Ltd. | 985 St. Luke Road, Windsor | C | (3) |
| Chevron Matting Co. | River Canard | C | (3) |
| Cloudfoam Ltd. | Ajax | C | (3) |
| Dayton Rubber Co. (Canada) Ltd. | 3723 Dundas St. W., Toronto | C | (3) |
| Dominion Rubber Co. Ltd. | 51 Breithaupt St., Kitchener | C | (1) (3) |
| Dominion Rubber Co. Ltd. | 149 Strange St., Kitchener | B | (2) (3) |
| Dowswell Lees & Company Limited | 65 Hatt St., Dundas | C | (3) |
| Dunlop Canada Limited | Dunlop Drive, Whitby | B | (2) (3) |
| Dunlop Canada Limited | 870 Queen St. E., Toronto | C | (2) (3) |
| Feather Industries Ltd. | Symes & Glen Scarlett Rds., Toronto | C | (3) |
| Firestone Tire & Rubber Co. of Canada, Ltd. | Burlington St. E., Hamilton | B | (2) (3) |
| Flex-o-Tube Co. (Canada) Ltd. (Div. of Flexonics Corp. of Can. Ltd.) | 134 Nelson St., Brampton | C | (3) |
| Gates Rubber of Canada Limited | 50 Iroquois St., Brantford | C | (3) |
| General Latex & Chemicals (Canada) Ltd. | Brampton | C | (3) |
| General Tire & Rubber Co. of Canada Limited (Industrial Products Division) | Welland | C | (3) |
| B.F. Goodrich Canada Limited | 521 King St. W., Kitchener | B | (2) (3) |
| The Goodyear Tire & Rubber Co. of Canada Ltd. | Bowmanville | C | (2) (3) |
| The Goodyear Tire & Rubber Co. of Canada Ltd. | Lakeshore Road, New Toronto | B | (2) (3) |
| G.L. Griffith & Sons Ltd. | 341 Erie Street, Stratford | C | (3) |
| Gro-cord Rubber Co. of Canada Limited | 120 Town Line, Tillsonburg | C | (3) |
| Hamilton Kent of Canada Ltd. | 3094 Mavis Rd., Toronto | C | (3) |
| James Hobbs Industries Limited | Fairall St., Ajax | C | (1) |
| Kaufman Rubber Company, Ltd. | 410 King St. W., Kitchener | A | (1) (3) |

List of Firms in the Rubber Industries, 1960 - Concluded

| Name of company | Address | Industry | Products |
|---|---|----------|----------|
| Ontario - Concluded: | | | |
| Latex Compounding Company | 370 Bering Ave., Toronto | C | (3) |
| Mansfield Rubber (Canada) Limited | John St., Barrie | B | (2) |
| Mechanical Rubber Products Ltd. | Arthur St., Mitchell | C | (3) |
| Minnesota Mining & Manufacturing of Canada Limited | Oxford St., London | C | (3) |
| National Rubber Co. Ltd. | 394 Symington Ave., Toronto | C | (3) |
| Novelty Rubber Company | 150 Canada Street, Hamilton | C | (3) |
| Ontario Fabrix Mat Company | Maryhill | C | (3) |
| Remington Prod. (Canada) Ltd. | Box 963, 18 Foster St., Perth | C | (3) |
| Rubbermaid (Canada) Ltd. | P.O. Box 10, Cooksville | C | (3) |
| Ruflex Threads Limited | 3 West Ave. S., Hamilton | C | (3) |
| Seiberling Rubber Co. of Canada Ltd. | 99 Paton Road, Toronto | B | (2) (3) |
| M.L. Snyder & Son Ltd. | Woodbridge | C | (3) |
| Sterling Rubber Co. Ltd. | 364 Waterloo Ave., Guelph | C | (3) |
| Stratoflex of Canada Inc. | 91 Kipling Ave. S., Toronto | C | (3) |
| Viceroy Manufacturing Company Limited | 1655 Dupont St., Toronto | C | (3) |
| Western Rubber Co. of Canada, Limited | Alton | C | (3) |
| Yale Rubber Mfg. Co. of Canada, Ltd. | Kincardine | C | (3) |
| Manitoba: | | | |
| Shur-Foot Mat Company | 190 St. James St., Winnipeg | C | (3) |
| Jumbo Tred Matting Co. Ltd. | 521 Pandora Ave., Transcona | C | (3) |
| Alberta: | | | |
| Continental Rubber Ltd. | 9725-62nd Ave., Edmonton | C | (3) |
| Fabrix Rubber Mat Co. Ltd. | 10,027-92nd St., Edmonton | C | (3) |
| Goodyear Tire & Rubber Co. of Canada Ltd. (The) | 1271 12th St. N.W., Medicine Hat | B | (2) |
| British Columbia: | | | |
| A.C. Rubber Manufacturing Co. Ltd. | 1430 Burrard St., Vancouver | C | (3) |
| Huntington Rubber Mills of Canada, Ltd. | Dewdney Trunk Rd., Port Coquitlam | C | (3) |
| National Sports Equipment Ltd. | 2112 East Hastings St., Vancouver | C | (3) |
| Pacific Marine Bumpers Ltd. | Rodger St., North Vancouver | C | (3) |
| Reliable Rubber Mat Mfg. Company | 3340 Findlay St., Vancouver | C | (3) |
| Seaway Fenders Ltd. | R.R. 2, Richmond | C | (2) |
| Western Mat Company Ltd. | 1603 Franklin St., Vancouver | C | (3) |

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