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THE CARRIAGE, WAGON, AND VEHICLE SUPPLIES INDUSTRY IN CANADA - 1933

Ottawa, February, 1935 - A report on the manufacture of carriages, wagons, sleighs and other horse-drawn vehicles and parts thereof has just been issued by the Forestry Branch of the Dominion Bureau of Statistics. This report gives the production of establishments engaged wholly or chiefly in the manufacture of these products and covers the greater part of their output in Canada. There are however, a number of other establishments classified in other industrial groups which make horse-drawn vehicles and their parts as side-lines or by-products to their principal production. This output in other groups is not included in the present report.

In addition to the production of horse-drawn vehicles and their parts many of the firms classified in this industrial group are also engaged to a certain extent in the building of auto and truck bodies on purchased chassis. The bulk of this body work and the manufacture of complete trucks and automobiles are dealt with in reports published by the Metallurgical Branch of the Bureau of Statistics. For the total production of any single commodity, the publications of the Census of Industry must be studied as a whole.

There were 222 establishments engaged in turning out complete vehicles and vehicle supplies in 1933, as compared with 236 in 1932, with a total capital investment of \$2,913,914 in 1933. These establishments gave employment to 568 workers and paid \$383,543 in salaries and wages. Their raw materials cost \$294,805 and their products were valued at \$974,916.

The raw materials used in the manufacture of vehicles and vehicle parts were chiefly hardwood lumber valued at \$85,941, softwood \$9,249, bolts \$271 and rough-turned hubs and spokes \$70,887. Hoop, band and bar iron, steel and castings made a total value of \$294,805.

The products of this industry are divided into complete wheeled vehicles valued at \$45,048, complete sleighs at \$23,105, gears \$8,799, bodies and boxes \$18,591, spokes, bent goods, etc., \$251,463. These establishments also manufacture truck and auto bodies valued at \$103,499. The amount received for painting and repairs was \$383,303 and some miscellaneous products \$141,108 bringing the total value of production to \$974,916.

The following table includes a comparative summary of the principal statistics of the industry for the calendar years 1932 and 1933 followed by comparative tables giving the details of the distribution of establishments, capital invested, employment, fuel used, power employed, materials used and products manufactured.

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THE CARRIAGE, WAGON AND VEHICLE SUPPLIES INDUSTRY, 1933.

Table 1. - Principal Statistics, 1932 and 1933.

| Items | | 1932 | 1933 |
|-----------------------|--------|-----------|-----------|
| Establishments | No. | 236 | 222 |
| Capital invested | \$ | 3,335,994 | 2,913,914 |
| Employees on salaries | No. | 300 | 265 |
| Salaries paid | \$ | 250,777 | 189,642 |
| Employees on wages | No. | 337 | 303 |
| Wages paid | \$ | 333,907 | 193,901 |
| Fuel used | \$ | 29,991 | 25,332 |
| Power employed | H.P. | 2,253 | 2,451 |
| Electricity purchased | K.W.H. | 741,045 | 573,540 |
| Electricity purchased | \$ | 20,403 | 17,973 |
| Cost of materials | \$ | 316,521 | 294,805 |
| Value of products | \$ | 1,241,835 | 974,916 |

Table 2. - Distribution of Establishments by Provinces, 1932 and 1933.

| Provinces | 1932 | 1933 |
|----------------------|------|------|
| | No. | No. |
| CANADA | 236 | 222 |
| Quebec | 134 | 129 |
| Ontario | 57 | 53 |
| Nova Scotia | 15 | 11 |
| New Brunswick | 15 | 15 |
| Manitoba | 4 | 3 |
| Prince Edward Island | 4 | 4 |
| Saskatchewan | 4 | 4 |
| Alberta | 2 | 2 |
| British Columbia | 1 | 1 |

Table 3. - Capital Invested, 1932 - 1933.

| Items | 1932 | 1933 |
|---|-----------|-----------|
| | \$ | \$ |
| TOTAL | 3,335,994 | 2,913,914 |
| Land, buildings, fixtures and machinery | 2,178,878 | 1,968,816 |
| Materials, stocks, etc., on hand | 436,069 | 195,336 |
| Finished products on hand | 275,166 | 377,313 |
| Cash, trading and operating accounts | 495,881 | 371,944 |

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Table 4. - Employment, 1932 and 1933.

| Classes of Employees | Total Number of Employees | | Males | | Females | | Total Salaries and Wages | |
|----------------------|---------------------------|------|-------|------|---------|------|--------------------------|---------|
| | 1932 | 1933 | 1932 | 1933 | 1932 | 1933 | 1932 | 1933 |
| | No. | No. | No. | No. | No. | No. | \$ | \$ |
| TOTAL | 637 | 568 | 672 | 557 | 15 | 11 | 594,684 | 383,543 |
| Salaried employees | 200 | 265 | 286 | 255 | 14 | 10 | 260,777 | 189,642 |
| Wage-earners..... | 337 | 303 | 386 | 302 | 1 | 1 | 333,907 | 193,901 |

Table 5. - Fuel Used, 1932 - 1933.

| Kind of Fuel | | Quantity | | Value | |
|---------------------------|---------|----------|-------|--------|--------|
| | | 1932 | 1933 | 1932 | 1933 |
| TOTAL | | - | - | 29,991 | 25,382 |
| Bituminous coal, Canadian | Tons | 536 | 1,380 | 5,118 | 8,583 |
| " " Imported | " | 1,973 | 875 | 12,106 | 5,637 |
| Anthracite coal | " | 172 | 105 | 2,398 | 1,380 |
| Lignite coal, Canadian | " | 8 | 11 | 123 | 45 |
| " " Imported | " | 13 | - | 158 | - |
| Coke | " | 33 | 28 | 338 | 340 |
| Gasoline | Gals. | 10,596 | 9,116 | 2,904 | 2,532 |
| Kerosene or coal oil | " | 333 | 348 | 55 | 92 |
| Fuel oil | Gals. | 60 | 5,751 | 9 | 687 |
| Wood | Cords | 923 | 854 | 3,752 | 3,520 |
| Mill waste | | - | - | 1,247 | 269 |
| Gas, manufactured | M.c.ft. | 17 | 39 | 17 | 39 |
| " natural | " | 117 | 169 | 92 | 97 |
| Other fuel | | - | - | 1,674 | 2,161 |

Table 6. - Power Employed, 1932 - 1933.

| Power Units | No. of Units | | Total H.P. | |
|---|--------------|------|------------|-------|
| | 1932 | 1933 | 1932 | 1933 |
| Steam engines and steam turbines | 7 | 6 | 408 | 480 |
| Diesel engines | - | 8 | - | 122 |
| Gasoline, gas and oil engines (other than diesel) | 79 | 68 | 490 | 423 |
| Hydraulic turbines or water wheels | 6 | 4 | 45 | 25 |
| Electric motors operated by purchased power | 208 | 205 | 1,310 | 1,401 |
| TOTAL POWER USED | 300 | 291 | 2,253 | 2,451 |
| Electric motors operated by power generated by the establishments | 2 | - | 4 | - |
| Boilers installed | 15 | 14 | 1,010 | 996 |

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Table 7. - Materials Used, 1932 - 1933.

| Classes of Materials | Unit of Measure | Quantity | | Value | |
|--------------------------------|-----------------|----------|-------|---------|---------|
| | | 1932 | 1933 | 1932 | 1933 |
| | | | | \$ | \$ |
| TOTAL | | - | - | 316,521 | 294,805 |
| Lumber or logs, softwood | M ft.b.m. | 352 | 367 | 11,222 | 9,249 |
| Lumber or logs, softwood | " | 1,427 | 1,453 | 88,510 | 85,941 |
| Bolts, etc. softwood | cords | 13 | 10 | 105 | 50 |
| Bolts, etc. hardwood | " | 35 | 29 | 407 | 221 |
| Veneer and plywood | M s.f. | 11 | 4 | 410 | 151 |
| Hubs, spokes, bent goods, etc. | \$ | - | - | 51,526 | 70,837 |
| All other materials | \$ | - | - | 164,341 | 128,306 |

Table 6. - Vehicle and Supply Factories, - Products Manufactured, 1932 and 1933.

| Products | Quantity | | Value | |
|--|----------|------|-----------|---------|
| | 1932 | 1933 | 1932 | 1933 |
| | | | \$ | \$ |
| Carriages and Wagons: | | | | |
| Complete wheeled vehicles | 390 | 441 | 45,338 | 45,048 |
| Complete sleighs | 327 | 516 | 16,311 | 23,105 |
| Gears only | 395 | 172 | 22,945 | 8,799 |
| Bodies and boxes only value only | - | - | 33,394 | 18,591 |
| Hubs, spokes, bent goods, etc. " " | - | - | 214,888 | 251,463 |
| Bodies only (automobile and truck " " | - | - | 180,880 | 103,499 |
| Amount received for painting and repairs value only | - | - | 546,362 | 383,303 |
| Total Value of Principal Products..... | - | - | 1,060,118 | 833,808 |
| Secondary Products: | | | | |
| Axles, anchors, shaft splices, hockey sticks, coffins, automobile trailers, hearses, canoes, bob-sleds, wheels, wheelbarrows, childrens' sleighs, furniture parts, auto parts, toboggan pungs, and all other products..... | - | - | 181,767 | 141,108 |
| TOTAL Value of Products.....\$ | - | - | 1,241,885 | 974,916 |

Note: - Data given here do not necessarily represent the total Canadian production under each heading, since these products are also listed under other industries.



Note.- Production figures as given in this bulletin do not necessarily represent the total output in Canada of the commodities listed, as there may be also a considerable production in other industrial groups. For complete information this bulletin must be read with the rest of the series on wood-using industries and other publications of the Census of Industry.

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