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| DEPART:IENT OF TRADE AND COIMERCE CANADA CANADA |  |
| DONLNION BUREAU OF STATISTICS |  |
| CENSUS OF INDUSTRY | *0\% $18{ }^{1987}$ |
| MINING, NETALLURGICAL AND CHEMICAL BRANCE OTTANA - CANADA | LIEFAAPY <br> BIBLIOTHĖQUE |

Dominion Statistician: $\quad$ S. A. Cudmore, W.A. (Oxoñ.), F.S.S., F.R.S.C.
Chief Mining, Metalurgical and Chemical Branch:
Statistician - Metal and Chemical Products:

ANNUAL INDUSTRY IPPORT
IRON AND SIEEL AND THEIR PRODUCTS GROUP

THE BRIDGE BUILDING AND STRUCTURAL STEEL NORK INDUSTRY, 1942

The value of work done by concerms in the Bridge Building and Structural Stecl. \%os\% Industry amounted to $\$ 63,383,569$ in 1942 compared with $\$ 58,355,506$ in the previous year.

This industry includes all concerns which were occupied chiefly in fabricating or erecting steel for bridges, buildings, etc., and in 1942 covered the operations of 22 plants of which 12 were located in Ontario, 5 in quebec, 2 in British Columbia, 2 in Manitoba and 1 in Alberta.

These firms had a capital investment in Canada in land, buildings, machin. ery, supplies, etc., of $\$ 46,787,155$ and afforded employment to a monthly average of 9,117 people who were paid $\$ 19,028,055$ in salaries and wages. Fuel and electricity cost $\$ 713,367$ and expenditures for materials for use in manufacturing amounted to \$28,528,709.

Munitions, parts for ships and other special war contracts accounted for about half of the output in 1942. Apart irom this work the principal products were: 1,193 tons of bridges at $\$ 236,557 ; 114,698$ tons of other structural work, such as. buildings, transmission towers, etc., at $319,744,293$; plate and tank work at $\$ 1,071,949$; and mechanical work, including cranes, trolleys, etc., at $\$ 4,951,203$. Sales of plain material were reported at 43,314 tons worth $\$ 4,144,767$.

Table 1 - PRINCIPAL STATISTICS OF THE BRIDGE EUILDTNG AND STMTJGURAL BIAEL WORIF INDUSTRY, 1932-1942.


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

Table 2-PRINCIPAL. STATISTICS, BY PROVINCES, 1941 and 1942


[^0]Table 3 - CAPITAL ENIFLOYED, BY PROVINCES, 1941 and 1942 (on the last day of the year)

Present value Value of inventories of land, build- Raw materings, fixtures, ials and Finished machinery, tools other sup- Products and other equip- plies and ment stocks in

Operating Capital(cash, TOTAI bills and accounts re-

CAPITAL EMPLOYED
ceivable, etc.)
$\qquad$

$$
1941
$$

| Quebec.... | 2,688,213 | 4,586,316 | 51,891 | 3,760,411 | 11,086,831 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ontario | 4,607,348 | 3,241,479 | 1,765,840 | 3,684,793 | 13,299,460 |
| Other provinces | 2,770,243 | 2,862,895 | 11,528 | 1,477,654 | 7,122,330 |
| CANADA | 10,065,804 | 10,690,690 | 1,829,259 | 8,922,868 | 31,508,621 |
| 1942 |  |  |  |  |  |
| Quebec | 3,422,553 | 7,509,980 | 4,500 | 6,053,617 | 16,990,650 |
| Ontario | 4,729,081 | 7,840,380 | 658,255 | 5,802,043 | 19,029,759 |
| Other provinces | 2,857,897 | 5,898,714 | 1,621 | 2,008,514 | 10,766,746 |
| CANADA | 11,009,531 | 21,249,074 | 664,376 | 13,864,174 | 46,787,155 |

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1941 and 1042

| Province | Average Number of Employees |  |  | Salaries | Wages | TOTAL SALARIES |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | On Salaries | On Wages |  |  |  |  |
|  | Nale Female | Male Femble |  |  |  | and WAGES |

1941

| ebec | 378 | 97 | 2,171 |  | 2,646 | 1,143,392 | 3,74.3,419 | 886,811 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ontario | 451 | 95 | 2,879 |  | 3,425 | 1,093,824 | 4,654,468 | 5,748,292 |
| Other provinces | 157 | 28 | 906 | . | 1,091 | 420,107 | 1,511,328 | 1,931.435 |
| CANADA | 986 | 220 | 5,956 | . | 7,162 | 2,657,323 | 9,909,215 | 12,366,538 |
| 1942 |  |  |  |  |  |  |  |  |
| Quebec | 327 | 136 | 2,321 | 18 | 2,802 | 1,478,709 | 5,296,8,5 | 6,765,534 |
| Ontario | 404 | 146 | 3,484 | 74 | 4,108 | 1,226,542 | 6,726,683 | 7, 953,226 |
| Other provinces | 166 | 59 | 1,982 | . . | 2,207 | 506,142 | 3,303,153 | 4,309,295 |
| CAKADA | 897 | 341 | 7.787 | 92 | 9,117 | 3,211,394 | 5,816,561. | 19,028,055 |

Table 5 - NASE-EARNEIS, BY MONTHS, 1941 and 1942 (On the last work-day of each month

| Month | 1941 1942 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total | Male | Female | TOTAL |
| January | 5,026 | 6,311 | 9 | 6,320 |
| Tebruary | 5,056 | 6,425 | 10 | 6,435 |
| March | 5,316 | 6,796 | 10 | 6,806 |
| April | 5,300 | 7,382 | 10 | 7,392 |
| May | 5,699 | 7,727 | 11 | 7,738 |
| June | 5,980 | 7,992 | 11 | 8,003 |
| July | 6,116 | 8, 259 | 11 | 8,270 |
| August | 6,335 | 8,292 | 121 | 8,413 |
| September | 6,358 | 8,351 | 191 | 8,542 |
| October | 6,613 | 8,412 | 206 | 8,618 |
| Noveraber | -6,822 | 8,665 | 241 | 8,906 |
| December | 6,874 | 8,827 | 270 | 9,097 |
| AVERAGE | 5,956 | 7,787 | 92 | 7,879 |

Bridge Building
Table 6 - HOURS NORKED PER WEEK BY WAGE-EARMYRS, 1941 and 1942 (In one week of month of hifhest employment; overtime included)

| Hours | Number of wage-earners |  | Hours <br> worked per week | $\begin{aligned} & \text { Number of } \\ & \text { wage-earners } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| worked per week | 1941 | 1942 |  | 1941 |  | 1942 |
| Under 30 hours | 274 | 475 | 51 - 54 hours | 266 |  | 443 |
| 31 - 43 hours | 308 | 715 | 55 hours | 288 |  | 399 |
| 44 hours | 1,092 | 476 | 56-64 hours | 1,093 |  | , 030 |
| $45-47$ hours | 558 | 283 | 65 hours and over | 1,390 |  | , 434 |
| 48 hours | 510 | 1,238 | Total | 6,982 |  | 381 |
| 49 - 50 hours | 1,203 | 1,888 | Total wages paid in selected week | 41,954 | \$ | 376 |

Table ? - FUEL AND ELECTRICITY USED, 1941 and 1942

| Kind | 1941 |  |  | 42 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit of Measure | Quantity | cost at works | Quantity | cost at works |
| Bituminous coal - Canadian |  |  | 5 |  | \$ |
|  | ton | 12,617 | 91,569 | 13,475 | 104,331 |
|  | ton | 1,898 | 15,863 | 2,366 | 22,847 |
| Anthracite coal - Imported | ton | 1,213 | 11,477 | 1,521 | 13,925 |
| Coke | ton | 538 | 5,712 | 901 | 9,458 |
| Gasoline | Imp.gal. | 250,238 | 64,143 | 169,192 | 51,268 |
| Kerosene . | Imp.gal. | 3,769 | 482 | 1,734 | 366 |
| Fuel oil | Imp.gal. | 1,362,168 | 115,126 | 2,361,922 | 197,007 |
| Wood | cord | 17 | 167 | 50 | 650 |
| Gas - Manufactu | M cu. ft. | 29,784 | 18,132 | 32,663 | 20,740 |
|  | M cu. ft. | 57,164 | 25,553 | 55,600 | 26,775 |
| Electricity pur Other fuel .... | K. W. H. | 23,527,466 | 225,616 | 28,935,465 | 261,025 |
|  | -•• | ... | 2,068 | $\cdots$ | 4,975 |
| TOTAL . .......... | $\cdots$ | $\ldots$ | 576,908 | ... | 713,367 |

Table 8 - POWER EVUIPMENT, 1941 and 1942


Table 8 - POIER EQUIPRKNT, 1941 and 1942 - Conciuded

|  | Ordinarily in Use |  | In Reserve or Idle |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | Total rated | Number | Total rated |
|  | of units | horse power | of unit | horse power |
| 11 4 |  |  |  |  |
| Steam engines and turbines | 18 | 766 | 3 | 60 |
| Gasoline, gas and oil engines | 38 | 1,635 | 4 | 80 |
| Total Primary Equipment | 50 | 2,401 | 7 | 140 |
| Electrie motors run by purchased power | 2,098 | 29,424 | 146 | 2,189 |
| TOTAL | 2,154 | 31,825 | 153 | 2,329 |
| Electric motort run by above primary units ......................... | 93 | 1,185 | 3 | 35 |
| Stationary boilers ................. | 45 | 3,236 | 26 | 1,306 |


| Material | Unit of measure | Stocks on hand Jan. 1, 1942 | $\begin{aligned} & \text { Purchases } \\ & 1942 \end{aligned}$ | Stacks on hand Dec. 31, 1942 | TOTAL UATERIALS USED 1942 |
| :---: | :---: | :---: | :---: | :---: | :---: |



Table 10 - PRODUCTE MADE, 1341 and 1942

| Product | $1 \begin{array}{llll}1 & 9 & 4\end{array}$ |  | $\begin{array}{llll}1 & 9 & 4 & 2\end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Selling value at works | Quantity | Selling value at works |
|  | Tons | \$ | Tons | \$ |
| Bridges | 3,034 | 475,795 | 1,193 | 286,557 |
| Structural work (buildings, transmission towers, etc.) ............ | 158,063 | 24,802,013 | 114.698 | 19,744,293 |
| Plate and tank work, including tanks, hoppers, digesters, etc. |  | 6,389,739 | $\cdots$ | 1,071,949 |
| Mechanical work, including cranes, trolleys, etc. |  | 5,195,309 | $\cdots$ | 4,951,203 |
| Sales of plain material .......... | 66,249 | 5,596,748 | 43,314 | 4, 144,767 |
| Custom work and repairs .......... | $\ldots$ | 433,298 | $\ldots$ | 1,195,058 |
| Other products ( x ) |  | 15,462,604 | ... | 31,989,742 |
| TOTAL | -•• | 58,355,506 | $\ldots$ | 63,383,569 |

(x) Includes munitions, sections for ships, etc.


[^0]:    CANADA .... $2246,787,155 \quad 3,117$ 19,028,055 713,367 28,528,769 63,383,569

