#  <br> CANADA 

Dominion Statistician

THE PETROLEUM REPINING INDUSTRY
IN CANADA IN 1918

Advance Chapter of
"Chemicals and Allied Products in Canada in 1918"

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Ten petroleum refineries were operated in Canada in 1918. Three of these were located in Ontario; three in Alberta; and one in each of the provinces of Nova Scotia, Quehee, Saskatchewan and British Columbia.

The total capital employed in these ten plants at the end of the year amarnted to $\$ 35,745,410$, of which $\$ 23,535,257$ represented laná, buildings, fixtures, machinery and tools. Cash, trading and operating accounts, and bills receivable amounted to $\$ 407,408$, while materials on hand, stocks in process, finishod products, fuel and miscellaneous suppliea on hand were valued at $11,802,745$.

## EMPLOYEES, SALARIES AND WAGES

The average number of wage-earners engaged in these refineries was 2,938. Weges paid allowed a per capita payment of $\$ 1,175$, or a total sum of $\$ 3,451,642$. The salaried employees numbered 272. The average payment to these $77.5 \$ 1,366$, the total sum having been $\$ 371,676$, of which $\$ 91,459$ went to officers, superintendents and manacers.

The following table shows the a istribution of the working staff on Decomber 15, 1918. The morks sub-total (5060) in the table is somemat larger than the average number of Wage-earners (2938) mentioned above, due to the fact that the number on the pay-roll increased to some extent in December, the month in which distribution was made.

## TABLE I-DISTRIBUYION OF NORMAL TORKIUG STAFF

| SALARIED EMPLOYEES: Male | Female |
| :---: | :---: |
| Cfficers, superintendents and managers..... 27 | 1 |
| Clerks, stenographers, salesmen and other |  |
| salaried employees.........................189 | 55 |
| OFFICE SEB-TOTAI. . . . . . . . . . . . . . . . . . . . . . ${ }^{216}$ | 56 |
| WAGE-EARNERS, receiving per veek: |  |
| Less than \$10............................. 3 | 11 |
| \$10, but less than \$15....................... 76 | - 6 |
| \%20, but less than f20.................... 848 |  |
| ${ }^{3} 25$, an ${ }^{2}$, | 1 |
| TORES SUB-T0 AT. . . . . . . . . . . . . . . . . . . . . . . . . 3 . 3042 | 18 |
| GRAYD morat. . . . . . . . . . . . . . . . . . . . . . . . . . . . 3258 | 74 |

## MITL.

The total cost of fiel used in the refineries, ex-
clusive of any supplied to employees, was $\$ 3,242,796$. Of this sum, the larger portion, or $\$ 1,721,642$, was given as the value of oil and gasoline used; $\$ 1,425,850$ for 247,423 tons of bituminous coal of various grades; and the balance or $\$ 95,304$ for petroleum cokc and natural gas.

The following table shows the source, kind, quantity and cost at the works of all the fuel used during the year.

Table 2, FUEI USID.

Kind
 TOTA L. . . . . . . . . . . . . . . . . . . . . . . $\$ 103,895 \ldots . . . . . .$.

Kind
Urist of


MATERIAIS USED
According to reports from tho refineries $262,641,149$ gallons of crude oil was received at the works of which $12,258,184$ gallons was from Canadian wells, and $250,382,965$ gallons, importod. The total cost of oil received at the warks was $\$ 23,708,658$, of which $\$ 22,789,762$ was ra id for the imported 011 and $\$ 918,896$ for the product of Canadian wells.

The consumption of oil reported showed $261,742,274$ gallons of cruac oil as having been used at the works. Of the total. quantity $10,050,783$ gallons was from Canadian wells and 251,691,491 gimes ons from the United States. The imported oil cost $\$ 23,890,862$, ant the rroduct of Canadien maz.Is, \$822,220.

The following tahle shows the kind, quantity and cost at the works of all the matezials used during the year:

## TABLE 3-MATERIALS USED



The total production, according to reports to the Bureau of Statistics, had a selling value at he refineries of $\$ 37,866,907$. Of this sum, $\$ 19,247,402$, or $50.8 \%$ was the value of $72,169,916$ gallons of gasoline and motor oils; ${ }^{4} 7,130,301$, or $18.8 \%$ was the value of $56,220,066$ gallons of illumineting oils, and $\$ 6,629,980$, or $17.5 \%$, of $84,784,278$ gallons of $f$ uel and gas $0 i l$ and tar.

The following table shows tre total production of the various commodities, with their selling values at the refineries:


## - <br> RISCELLANEOUS EXPENSEA

The miscellaneous experditures chargeable against production and sales mounted to \$2,129,825 during the ye ar. of this swm 859,197 or $43.4 \%$ was paid for repairs to buildines and machinery.

The following table gives the miscellsneous expenditures fre the year:

TABIE 5-IIISCELLANEOUS BXPENDITURES


TMPORTS AND EXPORTS
The total value of imports of petroleum and petroleum products in 1918 was $\$ 13,127,178$, of which $\$ 13,359,636$ was paid for 229.010,561 gallons of crude oil imported by nil refiners to be ieflned in their om factories.

Exports of crude coal oil or kerosene in 1918 were 270,302 gallons valued at \$28,415, and of refined oil \$1,946,967 gallons valued at ${ }^{4} 206,675$. There was also an export of naphtha or gasoline of 91,229 gallons valued at $\$ 28,778$.

