## C A N A D A

DOMINION BUREAU OF STATISTICS
CENSUS OF MERCHANDISING AND SERVICE ESTABLISHMENTS

OPERATING RESULTS

OF

## INDEPENDENT DRUG STORES

## IN CANADA

1938

Published by Authority of the HON. W.D. EULER, M.P., Minister of Trade and Commerce.
OTTAWA

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 Minister of Trade and CommerceDEFARTNENT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS INTERNAL TRADE BRANCH<br>OTTAWA, CANADA

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Price, 10 cents.

## CENSUS OF MERCHAINDISING AND SERVICE ESTABLISHMENTS

Operating Results of Independent Retail Drug Stores in Canada, 1938
Introduction

Whis ruport is one of a surios presenting average operating results in various branches of retail trade in canada in 1938. The basic data from which the report was compilod wuro socured in connection with the annual survey 0 r rotail trade, conducted by the Internal Trade Branch of the Dominion Bureau of Statistics and dosigned primarily to provide information regarding annual trends in various kinds of business in the soveral provinces.

Complote statistics on retail trading are available only for the year 1930 as a result of the Consus of Morchandising and Service Establishments which was taken in connection with the last Deconnial Census. There were 3,559 druc stores in Canada in the census year while ap proximately 1,500 drug stores report to the annual survey of retail trade. But many of these firms, while able to report general information such as total salus, payrolls, inventories and accounts receivable, are unable to furnish an analysis of their operating exponses. Returns from 370 firms were used in the preparation of this bulletin. The present report represcnts tho first attempt of the Bureau of Statistics to provide an analysis of operating results for the retail trade. Such an undertaking is rendered difficult on account of the lack of unformity among retail firms in classifying and recording oxpense data. For this reason the figures publishod here must be considered as indicators of gencral relationships rather than as matorial the absolute accuracy of which can be guaranteed.

## Summary of Results

The underlying trend in retail drug store salos was maintained at a uniform level throughout 1937 and 1938, annual sales for the latter year for the country as a whole doclining by less than one per cent from the earlier period. Results on a regional basis indicate gains in the Prairie Provinces and minor lossos in other regions. Alberta sales were up 6 per cent while Manitoba and Saskatchewan reported increases of 2 per cent and l per cent rospoctively. Sales in British Columbia and Quobec were off by 1 per cent; ontario salcs declined 2 per cent while in the Maritime Provinces a reduction of 3 por cont in dollar volume was recorded.

## Analysis of operating results for 1938 for the 370 in-

 dependent drug stores furnishing detailed figures and included in this survey reveals an average net operating profit of 2.2 per cent of sales after making provision for an imputed value of proprietors' services but before making provision for axy intierest payment on own capital investment. Gross margin or profit averaged 29.8 por cent of sales while operating expenses totalled 27.6 per cent of sales. Stocks were turned on an average of two and one-half times during the yo ar or aproximately once every five months.Of tie $3: 0$ stores included in the survej, 232 or 63 per cent secured a profit on the yean's operations after making allowance for an imputed value of proprietors? services while 138 stores or a? per cent of the total oporated at a less. The profitable firms had a kighe: gross margin, higher rate of stock-tum and lower operating experses both in
total and for each of the individual expenso itoma roported than had the unyrofitable firms. The 232 profitable firms operated on a gross margin of 30.8 per cont of sales, had operating expeases of 26.3 per cont of sales resulting if a not proilt of 4.3 per cent and turnod their stocks on an average of 2.6 times during the year. The unprofitable firms operated on an average gross margin of 28.0 per cent of sales, had operating oxpenscs of 30.2 per cent reaulting in a net loss of 2.2 per cent of bales. These firms turned thcir stocks 2.3 times during the year.

The proportions of profitable and unprofitable firms varied conalderably for various sizes of business and for different regions of the country. The survey includos no stores with annual sales below $\$ 10,000$. Stores with anmual sales betwoen $\$ 10,000$ and $\$ 20,000$ were equally divided as between profitable and unprofitable businesses. Profitable firms outnumbered unprofitable firms 2 to 1 in the $\$ 20,000$ to $\$ 30,000$ class while larger stores reported an even higher proportion of profitable businesses. of the 122 stores reporting and having annual sales of $\$ 30,000$ or more, 86 operated at a profit while 36 operated at a loss.

Whon the sample is classified geographically it is found that the proportion of profitable to total stores ranged from 45 per cent In Manitoba to 71 per cent in Alberta. The proportion of profitable to total stores raporting was 59 per cent for the Prairie Provinces as a whole, 70 per cont for British Columbia, 65 per cent for ontario, 61 per cont for Quobec, and 62 per cent for the Maritime Provinces. Interpretation of those regional differencos should normally bo made in the light of differences in average sales per store in the various provinces. Annual sales per store averaged approximatoly $\$ 31,000$ in $0 n t a r i o$ and Kanitoba and ranged within narrow limits of $\$ 25,000$ for cach of the other provinces.

## Goneral Operating Expense Analysis

In addition to reporting total expense figuros aach firm was asked to give a breakdown of its expenses into thirteen difforent 1toms. Payroll constitutes more than half the total operating expenses of drug stores, tho amount computed for this itom rorming 16.9 per cent of annual sales. Ineluded in the payroll data are salarics and wages of employees and an estimated value for the services of those propriotors who doroted the major portion of their time to their retail business. The anounts attributod to these proprietors were obtainod in the following way: The expense schedule asked that the number and salaries of proprietors reeefving a stated alary be reported. It also asked for the number of proprietors who did not draw a stated salary but whoso romuneration consistod only of profits socured from the year's operations. The returns of those firms reporting proptietorst salaries wero used in arriving at an average selary por proprietor for stores in different size classes. These averages were then assigned to all proprictors in gach slze class irrespectivo of Whother or not stated salaries wore reportcd. This practice leads to the clastification as unprofitable of some returns whoso actual figures may have shown a profit due to a very small amount being roportedfor proprietors' salaries. On the othar hand, it transferred to the profitable ciassifieation some returns on which the appearance of an unduly large item for proprlotors salarics would havo assigned to the unprofitable group. Averago values of proprletors serviccs for various $81 z e$ classes as used in this survey are as follows:


On allocating theso amounts to proprietors in the various size classes, proprictors' salarios are cstimated at 6.1 per cont of sales. Eaployees' salarles and wages formed 10.8 per cent of sales, making a total payroll item of 16.9 per cent. It should be noted that proprietors' selaries wero estimatod only in tho case of unincorporated companies. Pro-
prictors of incorporatod companios who devoted tho major portion of thoir timo to thoir retail busincss we re considerod as employees and their compensation was included with saleries and wages paid to employees. Proprietors. salaries formed 9.0 per cent of sales in stores having an annual turnover of betwoen $\$ 10,000$ and $\$ 20,000$, while employees' salarios and wages formed enother 8.4 per cent. Corresponding ratios for stores with annual sales from $\$ 20,000$ to $\$ 30,000$ were 7.1 per cent for proprietors and 9.8 per cent for employees. For still largor stores the payroll ratios were 4.4 per cent for proprietors and 12.3 per cent for employees. The declining relative importance of proprietor s' salaries in the total payroll cost as size of store increases is a natural consequence of the fact that In the smaller stores the proprictor performs a great many of the tasks normally carried out by employees in the larger firms. It should also be remembered that some of the larger stores are operated under the corporate form of ownership under which conditions working proprietors are automatically included with paid employe日s.

The nocessity of allocating an imputed value for services performed by proprictors introduces an unavoidable elemont of arbitrariness in the operating results for retall stores. The at tachod tables give soparate ratios for propriotors' and employees' saleries. Any owner who does not draw a stated salary and wishes to compare his results with the averagos for his size of busincss can deduct the proprictors payroll porcentage shown from the total operating exponses and ad the same percentage to net profit.

Advertising oxpenses formed 1.0 per cent of drug store sales while "supplies" including wrapping paper, bags, twine, etc., were only siightly less at 0.9 per cent. A considerable number of roporting firms advised that cost of supplies was inciuded with the cost of merchandise purchased for resale and was not considered as an expense item. In order to secure uniformity in the results shown in the tabies all such firms were asked to give an estimate of their purchases of supplies. These figures were deducted from cost of merchandise purchesod and were assigned to the appropriate expense classification.

Communication costs, including telephone, telegraph and postage amounted to 0.6 per cent of sales. Bad debt losses are of but minor importance in drug stores compared with most other lines of retail trade, the amounts reported under this category forming only 0.2 per cent of sales.

Rental costs averaged 4.1 per cent of salcs for stores in rentod premises. The survey questionnaire contained fivo othor items ciosoly alliod with occupancy costs and figures for which are significant only when considered separately for owned and rented stores. Taxes, (including property and business taxes) formed 1.4 per cent of sales for owned stores compared with 0.6 per cent for rented stores. Insurance costs were 0.9 por cent and 0.6 por cent of salos for the two types rospectively. Light, hoat and power cost 1.3 per cont of sales for owned stores compared with 1.0 per cent for rented promises. Amount paid for repairs and maintenance was twice as high for owned as for rented stores, ratios of such expense to sales being 0.6 per cont and 0.3 per cent respectively. Allowances for depreciation on owned proporty including delivery equipment amountcd to 1.5 per cent and 0.9 per cont of salos for stores in ownod and rented promises.

Interest on borrowod money including mortgage interest but oxclusive of any allowance for interest on own capital investment formed 0.3 per cent of sales while sundry expenses including all items which could not be properly allocated to any of the classifications listed on the schedule amountod to another 0.6 per cont.

## Operating Rosults for Stores Classified According to Size

In addition to presenting a breakdown of operating expenses for all drug stores reporting expense data, the attached tables present similar statistics for stores classified into three size-of-business groups. Gross margin as a percentage of sales varied but slightly for the three size classes, ratios of margin to sales averaging 29.8 per cent for stores with annual salas between $\$ 10,000$ and $\$ 20,000,29.1$ per cent for stores with annual sales between $\$ 20,000$ and $\$ 30,000$ and 30.1 per cent for stores with annual sales in excess of $\$ 30,000$. Reason for the comparative constancy in gross margins may be found at least in port in the greater than

Uatal proportion which price-fixed merchandise forms of the stock-in-trade of drug stores.

Total expenses averaged 29.1 per cont of sales for the smallar stores, 27.2 per cent for the middic sizo class and 27.3 per cent far the larger conoerns. Stocks were turned on an average of twice during the year by the mallost stores, 2.3 times by tho middo-size group and 2.8 timos by the larger stores.

## Explanation of Terms

Gross Margin--Gross margin represents the difference between not sales and the cost of goods sold which amount is obtained by adjusting purchases of goods during tho year for differonces betweon yoar-end inventories. That is to say, cost of goods sold equals the value of inventory at the beginaing of the year, incroased by the value of goods purchased and decreased by the inventory at the end of the yoar. Value of purchascsincludes the involec value of goods bought less any returns, allowances or discounts recolved from manufacturers or wholesalers. The cost of goods also includes duty and inward freight, express or truckage. Outward delivery costs and other store expenses are not included.

Payroll--Payroll includes salarios, wages and commissions pald to all full-timo or part-time employees including amounts paid to mombors of proprictors' families who serve in the capacity of employees. It also includes an imputed value for the servicos of proprietors who devote the major portion of their time to the business in question.

Advertising--Included in this item are all amounts paid for various types of advertising, newspaper, handbill, radio, etc.

Supplies--Th $a m o u n t$ reportod under this heading includes expenditures for all supplies used in connection with the business such as wrapping papor, bags, twino, office supplios and in addition supplies such as gas and ofl for the firm's own delivory oquipment.

Communication--Telephone, telegraph and postage were to be rem ported under this heading.

Taxes--All licenses and taxes including both property and business texes but exclusive of Dominion income taxes were to be reported here.

Insurance--Amount of pr imiums paid for insurance of all types carried in comection with the business was to be reported: fire, theft, plate glass, insurance on delivery equipment, etc.

Rent-only rentals paid for premises actually used in connection with the busincss were to be reported.

Heat, Light and Power--Water rates, if paid separately from taxes, were to beincluded here in addition to ali amounts paid for fuel, light and power.

Bad Debt Losses-- Each firm was asked to $r$ fort tho amount actually written off as bad debts during the yoar less bad debts written off in previous years and recovored in the year in question. In some instances amounts transforred to bad debt reserves may have been reported rather than the amount actually written off.

Ropairs and Maintenance-This item includes amounts paid for repairs and maintenance to buildings, furniture, fixtures and store or delivery equipment. Labour costs coming through the store's own payroll were to be included in tho payroll item and not in this catogory.

Interest--only inturest paid on borrowed money, bank, mortgage, ete., was to be reported. No allowancu was made for interest on own capital investment.

Depreciation-Each firm was asked to report what it considerod to be a fair charge for annual depreciation on owned buildings, furniture and store or delivery equipment. From two to five per cent is generally allowed on the cost or purchase price of buildings depending upon the
typo of construction. Five per cent of cost is frequentiy allowed on store furniture and fixtures and twenty per cent on the cost of delivery equipmeat.

Sundry Expensos--This includes all expenses not otherwise allocated. No separetc provision was made for amounts paid outsido agoncios for dolfvery to purchasers. Such amounts would normally be assignod to the sundry exponse item.

Stock-turn Rate--Rate of stock-turn was obtained by dividing tho average of the year-end stock figures into the cost of goods sold. By this means the numerator and denominator in the ratio were brought to the same value basis. But no information is available to indicate the extent to which the average of tho year-end figures may be representative of the avarage stock carried throughout the twelve-month period. Thus while the ratios shown in the tables may bo used as a basis for comparisons with individual results, their accuracy as a measuro of the numbor of times that stock was turned over during the year cannot be guaranteod.

| Item | AMOUNT OF ANNUAL SALES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All Stores, Total |  |  | \$10,000-\$20,000 |  |  |
|  | Total | owned | Rented | Total | owned | Rented |
| GENERAL INFORLATION |  |  |  |  |  |  |
| Number of Stores Reporting | 370 | 76 | 294 | 121 | 26 | 95 |
| Total Sales ............ | \$10,209,895 | 1,903,217 | 8,306,678 | 1,866,000 | $402,698$ | $1,463,302$ |
| Average Sales per Store ........... | \$ 27,594 | 25,042 | -28,254 | 1, 15,421 | $15,488$ | $15,403$ |
| PROFIT AND LOSS--(In percentages of sales) |  |  |  |  |  |  |
| Gross Margin or Profit ........... | 29.8 | 29.7 | 29.8 | 29.8 | 31.9 | 29.3 |
|  |  |  |  |  |  |  |
| Proprietors' salaries .......... | 6.1 | 6.9 | 5.9 | 9.0 | 8.8 | 9.1 |
| Employees, salaries and wages.. | 10.8 | 10.2 | 11.0 | 8.4 | 9.4 | 8.2 |
| Advertising .................... | 1.0 | 1.0 | 0.9 | 0.8 | 1.1 | 0.7 |
| Supplies .. | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 |
| Communication | 0.6 | 0.7 | 0.6 | 0.7 | 0.8 | 0.7 |
| Rent.. | 3.4 | - | 4.1 | 3.5 | . | 4.5 |
| Taxes.. | 0.7 | 1.4 | 0.6 | 0.9 | 1.8 | 0.7 |
| Insurance. | 0.6 | 0.9 | 0.6 | 0.8 | 1.1 | 0.7 |
| Light, heat and power .......... | 1.1 | 1.3 | 1.0 | 1.3 | 1.6 | 1.2 |
| Repairs .......................... | 0.3 | 0.6 | 0.3 | 0.4 | 0.7 | 0.3 |
| Depreciation ................... | 1.0 | 1.5 | 0.9 | 1.2 | 1.7 | 1.0 |
| Bad debts ...................... | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Interest on borrowed money ..... | 0.3 | 0.4 | 0.3 | 0.5 | 0.8 | 0.4 |
| Sundry expense | 0.6 | 0.6 | 0.6 | 0.5 | 0.8 | 0.4 |
| Total Expense | 27.6 | 26.6 | 27.8 | 29.1 | 29.7 | 29.0 |
|  |  |  |  |  |  |  |
| Net Profit or Loss .............. | $+2.2$ | $+3.1$ | $+2.0$ | $+0.7$ | +2.2 | $+0.3$ |
| OTHER INFORMATION |  |  |  |  |  |  |
| Stock Turnover (times per year) .. | 2.5 | 2.1 | 2.5 | 2.0 | 1.7 | 2.1 |

# Table 1.--Operating Results of Drug Stores Classified by Sales 

 Volume and Occupancy Basis, Canada, 1938
## (Contid).




| Item | AMOUNT OF ANNUAL SALES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$20,000-\$30,000 |  |  | \$30,000 and Over |  |  |
|  | Total | Profitable | Unprofitable | Total | Profitable | Unprofitable |
| GENERAL INFORNATION |  |  |  |  |  |  |
| Number of Stores Reporting .. Total Sales Avorage Sales per Storo ..... | $\begin{array}{r}127 \\ \$ 3,109,863 \\ 24,487 \\ \hline\end{array}$ | $\begin{array}{r}84 \\ 2,062,411 \\ 24,553 \\ \hline\end{array}$ | $\begin{array}{r}43 \\ 1,047,452 \\ 21,359 \\ \hline\end{array}$ | $\begin{array}{r}122 \\ 5,234,032 \\ 42,902 \\ \hline\end{array}$ | $\begin{array}{r}86 \\ 3,717,441 \\ 43,226 \\ \hline\end{array}$ | $\begin{array}{r} 36 \\ 1,516,591 \\ 42,128 \\ \hline \end{array}$ |
| PROEIT AND LOSS--(In percentages of salos) |  |  |  |  |  |  |
| Groze liargin or Profit | 29.1 | 29.9 | 27.6 | 30.1 | 30.9 | 28.1 |
|  |  |  |  |  |  |  |
| proprietors' salaries.... | 7.1 | 7.6 | 6.3 | 4.4 | 4.2 | 4.9 |
| Employees' salaries ..... | 9.8 | 8.6 | 12.3 | 12.3 | 12.0 | 4.9 13.0 |
| Advertising ............ | 0.8 | 0.9 | 0.8 | 1.1 | 1.1 | 13.0 1.0 |
| Supplies ................. | 0.9 | 0.8 | 1.0 | 0.9 | 0.8 | 1.0.9 |
| Communication ............ | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 1 |
| Rent | 2.9 | 3.0 | 2.9 | 3.6 | 3.5 | 3.8 |
| Taxes .................. | 0.8 | 0.7 | 1.0 | 0.6 | 0.6 | 0.7 |
| Insurance | 0.7 | 0.6 | 0.7 | 0.5 | 0.5 | 0.5 |
| Light, he at and power.. | $1.1$ | 1.1 | 1.2 | 1.0 | $0.9$ | $1.2$ |
| Repairs............... | 0.4 | 0.3 | 0.5 | 0.3 | $0.3$ | $0.4$ |
| Depreciation .......... | 1.0 | 0.9 | 1.1 | 1.0 | 0.9 | 1.3 |
| Total occupancy costs* ... | 6.9 | 6.6 | 7.4 | 7.0 | 6.7 | 1.3.9 |
| Bad debts ............... | 0.3 | 0.2 | 0.4 | 0.2 | 0.1 | 0.3 |
| Interest on borrowed money | 0.3 | 0.2 | 0.4 | 0.2 | 0.2 | 0.3 |
| Sundry expense .......... | 0.5 | 0.4 | 0.7 | 0.7 | 0.7 | 0.8 |
| Total Expense .............. | 27.2 | 25.9 | 29.9 | 27.3 | 26.3 | 29.6 |
|  |  |  |  |  |  |  |
| Net Profit or Loss | $+1.9$ | $+4.0$ | $-2.3$ | +2.8 | +4.6 | -1.5 |
| tock Turnover ( OTHER INFORIMTION |  |  |  |  |  |  |
| Year) ................. | 2.3 | 2.5 | 2.1 | 2.8 | 2.8 |  |

Table 3.--Operating Results of Drug Stores, Classified by Provinces and Net Profit or Loss, 1938.

| Item | CANADA |  |  | MARITIEE PROVINCES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Profitable | Unprofitable | Total | Profitable | Unprofitable |






| Item | MANITOBA |  |  | SASKATCHEWAN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Profitable | Unprofitable | Total | Profitable | Unprofitable |




| Itern |
| :--- |

Advertising ....................
Supplies
ation
Rent
 Insurance

Light, he at and power Repairs

107
....


Total occupancy costs**....
Bad debts
Interest




WHITINWMTIIT

