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## Miscellaneous Results of the

Census of Merchandising and Service Establishments, 1933
This bulletin brings together some miscellaneous results of the Census of Merchandising and Service Establishments, 1933. The reports that have already been published for this census contained, in the main, statistics for the sales of retail and wholesale estabiishments for the years 1930 to 1933 , based on the returns of establiammente furnishing figures for the period. The present bulletin contains statistics, derived in a somewhat similar manner, of payrolls and stooks of retail and wholesale establishments. In addition, there are tables showing the trend and distribution of sales for establishments classed as "other wholesalers" for census purposes.

## Retail Trade

The total retail sales of the Dominion as a whole declined from ${ }^{\$ 2} 2,755,569,900$ in 1930 to 64.5 per cent of that amount, or $\$ 1,776,-$ 884,000, in 1933. During the same interval, salaries and wages paid to employees engaged in retail trading establishments declined from $\$ 257,855,600$ to 69.7 per cent of that figure, or $\$ 179,847,000$. These wage figures include payments made to both full-time and part-time amployees, but they do not include the compensation of proprietors actively engaged in their own stores. Stocks on hand in all retail stores at the end of 1930 amounted to $\$ 483,627,500$ and at the end of 1933 the corresponding figure was $\$ 377,020,000$ or 78.0 per cent of the former amount. The declines in sales, salaries and wages, and stooks on hand over the three-year period are thus seen to be 35.5 per oent. 30.3 per cent and 22.0 per cent, respectively.

Table 1 presents a comparison of the value of sales and payroll costs for 1930 and 1933 , first, by provinces and, second, for each of the broad kind-of-business groups which are used in the census of Retail Merchandising Establishments. In each case the percentage deorease in wages is seen to be less than the corresponding decrease in retail sales. The decrease in the value of retail sales may be attributed both to a decrease in the volume of commodities sold and also to a deoline in the retail price levels. The reduction in the total wage bill is due to a combination of several factors: fewer employees, lower rates of pay, shorter working hours, the replacement of full-time employees by those on a part-time basis, and the replacement of paid employees by proprietors who, in 1930, devoted less or none of their time to their retail business. A fairly direct relationship is found to exist between the percentage decreases in sales and the corresponding reductions in wage payments, those provinces and those business groups experiencing the smallest decreases in sales also showing the lowest reductions in salaries and wages paid to employees.

In Table 2 a comparison is made for the retail trade as a whole and also for a number of selected kinds of business of the value of sales in 1930 and 1933 and of the value of the stocks on hand at the end of each of these two years. Here, again, the percentage decrease in the value of stocks on hand is considerably less in each case than the decline in sales for the corresponding kind of business. But from the data shown in Table 2, no definite relationship can be seen for the different kinds of business as between decrease in sales volume
and reduction in the value of stocks on hand at the end of the year. For hardware stores and furniture stores in particular, the reduction in the value of stocks on hand is much less in proportion to the decline in value of sales than for the other kincis of business for which figures are shown.

## Whclesale Trade

Table 3 presents a comparison of sales, payrolls and stocks for the years 1930 and 1933 for those wholesale firms which furnished information for both years. The sales indexes for certain trades in 1933 will be found to differ from those already published as the sales of the firms whose figures are included in Table 3 form only a part of the total wholesale trade. A comparison of the indexes for sales, payrolls and stocks shows that sales generally tended to deciline more than payrolls or stocks and that stocks fell the least of the three series. For all firms reporting, sales fell 32.1 per cent between 1930 and 1933 , payrolls declined 30.2 per cent, and the valle of stocks 23.6 per cent in the period.

The relative movements in the various fields of trade differed greatly in the period under review. Sales for reporting establishments in the machinery, equipment and supplies trade dropped 66.2 per cent, payrolls declined 51.9 per cent, but the value of stocks fell only 23.3 per cent. The declines in the indexes are a resultant of two factors, one the loss in volume and the other the docline in prices. In the case of salaries and wages, these two factors are represented by declines in rates of payment and smaller numbers of empiojees or shorter working periods.

The indexes for trades handing staple products - such as drugs, coal and coke, and foods - do not show as large declines as those for the dealers in construction or building materials or durable consumers' goods. The indexes of sales and stocks for the chemicals and paint group actually stand higher in 1933 than in 1930, which indicates a more rapid revival in this field of trade than in others.

In the census for the year 1930, statistics were secured from all types of wholesale distributors, including agents, brokers and manufacturers sales outlets. Owing to the difiiculty of collecting information from firms which do not actually tare tivle to the goods they sell, most of the specialized types of distributors were excluded from the census of 1933. It was decided, however, to secure reports from those manufacturing concerns which maintained sales branches and which sold to a considerable extent directiy to the retail trade. Table 4 presents the sales figures for the establishments furnishing information for the period 1930 to 1933. The valie of the sales given will serve as an indication of the proportion of the trade in the respective fields which is handled by the reporting establishments.

Table 5 shows the sales of farm machinery in canada by provinces for the period under review. rine sales are those of the larger wholesale dealers and manufacturers with distributing branches.

The channels through which cercain wholesale establishments distribute goods are shown in Taile 6. Only two traces among the wholesalers proper have been analyzed. The distribution of sales of wholesale dealers in coal and coke (chiefly in ontario and Quebec) is shown in the first part of Table 6. Almos 30 per cent of the sales of the establishments reporting is made to other wholesale dealers, while 33.6 per cent of their trade is with industrial firms. Included with wholesalers proper in the meat trade are the packing houses which maintain distributing branches. Only 3 per cent of the reported saies is made to jobbers or wholesale dealers while 57.6 per cent is made to incependent retailers and 13.6 per cent to chain or depariment stores.

A separate analysis is marie of sales of dealers in petroleum products in Table 7. Included in this tabie are figures for refining companies which have marketing organizations, An interesting feature in Table 7 is the figures for sales to famers or other primary producers. For Canada as a whole, almost l. 2 per cent of the sales is in this class. In the Prairie Provinces, however, the proportion is meh higher.

Theatre Receipts by Cities
The receipts of motion picture theatres in ofties in which three or more theatres furnished reports in 1930 and 1933 are shown in Table 8. The statistios of motion picture theatres by provinces have already been published in a separate bulletin.

# Table 1.--Comparison or Total Retail Sales and Total Salaries and Wages paid to Employees, 1930 and 1933 , by provinces and by Kind-of-Business Groups 

| e and Group | Sales |  |  | Salaries and Wages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1930 | 1933 | $\begin{gathered} \text { Ratio, } 1933 \\ \text { to } 1930 \\ \hline \end{gathered}$ | 1930 | 1933 | $\begin{gathered} \text { Ratio, } 1933 \\ \text { to } 1930 \\ \hline \end{gathered}$ |
|  | \$ | \$ | \% | \$ | \$ | \% |
| Prince Fdward Island ............... | 13,773,700 | 8,742,000 | 63.5 | 920,600 $7,269,900$ | 706,000 | 76.7 76.7 |
|  | 99,519,900 | 69,349,000 | 69.7 | 7,269,900 | 5,576,000 | 76.7 74.1 |
| NeT Brunswick | 84,371,900 | 52,445,000 | 62.2 | 61,758,400 | 43,597,000 | 70.6 |
| quebec. | $651,138,500$ | $421,141,000$ | 67.0 | 106,538,900 | 76,632,000 | 71.9 |
| Ontario | 1,099,990,200 | 120,322,000 | 63.6 | 19,597,800 | 13,502,000 | 68.9 |
| Manitoba | 189,243 | 104,123,000 | 55.0 | 14,916,300 | 9,051,000 | 60.7 |
| Saskatchewan | 189,181, 100 | 108,277,000 | 61.3 | 15,503,100 | 10,220,000 | 65.7 |
| Aloerta Mrish Columbia | 248,597,500 | 153,719,000 | 61.8 | 24,521, 300 | 15,584,000 | 63.6 |
| Fritish Columbia ................ | 3,216,100 | 1,766,000 | 54.9 | 361,100 | 228,000 | 63.1 |
| CANADA, TOTAL | $2,755,569,900$ | 1,776,884,000 | 64.5 | 257,855,600 | 179,847,000 | 69.7 |
|  |  |  | 70.1 | 41,384,100 | 33,190,000 | 80.2 |
| Food group ........... | $\begin{aligned} & 615,476,100 \\ & 228,803,800 \end{aligned}$ | $151,233,000$ | 66.1 | 9,832,200 | 7,128,000 | 72.5 |
| country general stores . | 451,542,500 | $313,258,000$ | 69.4 | $56,455,700$ | 43,527,000 | 77.1 |
| General merchandise group | $451,542,500$ $381,959,300$ | $218,484,000$ | 57.2 | 35,766,700 | 21,996,000 | 61.5 |
| Automotive group | $219,968,600$ | $147,085,000$ | 66.8 | 22,592,200 | 15,249,000 | 67.5 |
| Apparel group .......... | 162,237,100 |  | 51.0 | 16,249,200 | 9,457,000 | 58.2 |
| Building materials group | 162,237,100 | 82,797,000 |  |  |  |  |
| Furniture and household | 101,665,900 | $50,634,000$ | 49.8 | 14,526,000 | 8,366,000 | 57 |
| Restaurants, cafeterias |  |  |  |  | 8,065,000 | 57.1 |
| and eating places .... | $\begin{array}{r} 75,977,100 \\ 517,939,500 \end{array}$ | $\begin{array}{r} 41,666,000 \\ 340,561,000 \end{array}$ | $65.8$ | $45,779,600$ | 32,869,000 | 71.8 |

The salary and wage figures given above include both rull-time and part-time employees. The value of proprietors' services has not been included.
(All Stores and selected Kinds of Business)


Table 3.--Wholesalers Proper - Indexes of Sales, payrolls and Stocks, by Kinds of Business for Firms Furnishing Information for Both 1930 and 1933

| Kind of Business | Sales |  | Salaries and wages of employees |  | Stocks on hand |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1930 | 1933 | 19301 | 1933 | 1930 | 1933 |
| TOTAL | 100.0 | 67.9 | 100.0 | 69.8 | 100.0 | 76.4 |
| Amusement, photographic and sporting goods ........... | 100.0 | 56.0 | 100.0 | 77.5 | 100.0 | 71.1 |
| Automotive | 100.0 | 63.7 | 100.0 | 76.6 | 100.0 | 78.9 |
| Chemicals and paints (chiefly industrial chemicals) ......... | 100.0 | 104.9 | 100.0 | 81.6 | 100.0 | 122.2 |
| Drugs and drug sundries | 100.0 | 79.0 | 100.0 | 71.6 | 100.0 | 86.4 |
| Coal and coke | 100.0 | 89.2 | 100.0 | 79.8 | 100.0 | 104.4 |
| Dry goods and apparel | 100.0 | 65.1 | 100.0 | 60.0 | 100.0 | 61.8 |
| Electrical | 100.0 | 45.7 | 100.0 | 62.5 | 100.0 | 73.2 |
| Farm supplies | 100.0 | 54.0 | 100.0 | 78.0 | 100.0 | 80.1 |
| Foods(1) | 100.0 | 75.3 | 100.0 | 77.0 | 100.0 | 83.1 |
| Furniture and house furnishings | 100.0 | 46.3 | 100.0 | 51.8 | 100.0 | 44.7 |
| General merchandise | 100.0 | 58.9 | 100.0 | 63.0 | 100.0 | 79.7 |
| Hardware | 100.0 | 57.7 | 100.0 | 64.3 | 100.0 | 72.8 |
| Jewellery and optical goods | 100.0 | 68.6 | 100.0 | 64.2 | 100.0 | 88.5 |
| Leather and leather goods | 100.0 | 74.3 | 100.0 | 82.0 | 100.0 | 78.9 |
| Lumber and building materials | 100.0 | 37.1 | 100.0 | 44.3 | 100.0 | 64.0 |
| Machinery, equipment and supplies | 100.0 | 33.8 | 100.0 | 48.1 | 100.0 | 76.7 |
| Metals and metal work | 100.0 | 44.2 | 100.0 | 55.7 | 100.0 | 75.5 |
| Paper and paper products | 100.0 | 77.1 | 100.0 | 72.2 | 100.0 | 78.9 |
| Petroleum products ............... | 100.0 | 70.8 | 100.0 | 82.5 | 100.0 | 77.1 |
| plumbing and heating equipment and supplies .................... | 100.0 | 43.8 | 100.0 | 49.0 | 100.0 | 74.4 |
| Tobacco and confectionery | 100.0 | 69.6 | 100.0 | 72.7 | 100.0 | 70.8 |
| All other | 100.0 | 80.2 | 100.0 | 75.4 | 100.0 | 77.3 |

(1) Does not include figures for packing houses or branches.

Table 4.--Other Wholesalers ${ }^{(1)}$ - Total Sales and Sales Indexes for selected Kinds of Business for Firms Furnishing Information for the Period 1930 to 1933

| Kind 0: Busimess | Total Net Sales |  |  |  | Indexes of sales$(1930=100.0)$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1930 | 1931 | 1932 | 1933 | 19301 | 1931 | 19321 | 1933 |
|  | \$ | \$ | \$ | \$ |  |  |  |  |
| Tires (inolu^ing rubber goods) Canada | 54,256, 200 | 37,491,500 | 26,567,900 | 26,174,700 | 100.0 | 69.1 | 49.0 | 48.2 |
| Maritime Provinces ........ | 2,336,400 | 1,947,700 | 1,294,800 | 1,377,600 | 100.0 | 83.4 | 55.4 | 59.0 |
| Quebec.......... | 12,230,200 | 9,448, 100 | 5,759,700 | 6,057,200 | 100.0 | 77.3 | 47.1 | 49.5 |
| cntario | 31,413,800 | 19,807,800 | 14, 390,300 | 14,030,600 | 100.0 | 63.1 | 45.8 | 44.7 |
| Prairie Provirces | 6,776,600 | 5,141,200 | 4,287,000 | 3,801,900 | 100.0 | 75.9 | 63.3 | 56.1 |
| E-itish Columkia | 1,499,200 | 1,146,700 | 836,100 | 907,400 | 100.0 | 76.5 | 55.8 | 60.5 |
| Chemicals anc Pairts (chiefly paints) - |  |  |  |  |  |  |  |  |
| Carada .... | 11,289,600 | 8,423,300 | 6,626,600 | 6,108,200 | 100.0 | 74.6 | 58.7 | 54.1 |
| Maritime $\rightarrow$ oviaces | 634,500 | 506,100 | 368,100 | 317,100 | 100.0 | 79.8 | 58.0 | 50.0 |
| Guebec.... | 4,696,700 | 3,617,500 | 2,645,100 | 2,388,900 | 100.0 | 77.0 | 56.3 | 50.9 |
| Ontailo | 3,271,600 | 2,370,200 | 2,066,100 | 1,926,400 | 100.0 | 72.4 | 63.2 | 58.9 |
| Prairia provinces | 1,576,000 | 1,003,100 | 858,900 | 827,100 | 100.0 | 63.6 | 54.5 | $52.5$ |
| British Columbie | 1,110,800 | 926,400 | 688,400 | 648,700 | 100.0 | 83.4 | 62.0 | 58.4 |
| Drugs anc Drug Sundries Total | $10,540,500$ | 8,955,200 | $7,934,600$ | 8,658,300 | 100.0 | 85.0 | 75.3 | 82.1 |
| Shoes (criefly rul ber footwear)Canada | 7,883,900 | 6,223,000 | 5,380,400 | 5,749,500 | 100.0 | 78.9 | 68.2 | 72.9 |
| Maritile Provinces | 814,800 | 703,100 | 612,000 | 682,700 | 100.0 | 86.3 | 75.1 | 83.8 |
|  | 2,988,600 | 2,128,300 | 1,852,800 | 2,085,000 | 100.0 | 71.2 | 62.0 | 69.8 |
| jliario ..................... | 2,731,400 | 2,251,100 | 1,797,900 | 1,822,300 | 100.0 | 82.4 | 65.8 | 66.7 |
| Trairie roovinces ......... | 818,000 | 697,300 | 753, 200 | 806,900 | 100.0 | 85.2 | 92.1 | 98.6 |
| Fritish Colundia .......... | 531,100 | 443,200 | 364,500 | 352,600 | 100.0 | 83.4 | 68.6 | 66.4 |

(1) Cifeily ranufacturers with general sales offices and sales branches.

Table 4. - Other Wholesalers (1) - Tptal Sales and Sales Indexes for Selected Kinds of Business for Firms Furnishing Information for the Pefigd 1930 . 401933 (Contid.) -

(1) Chiefly manufeoturers with general sales offices and sales branches.

Table 5.--Sules of Farm Machinery and Equipment by Wholesala Dealers $(1)$ and Manufacturers (2) by provinces ${ }^{(3)}$, 1930-1933

| revince | Sales |  |  |  | Indexes of Sales$(1930=100.0)$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1930 | 1931 | 1932 | 1933 | 1930 | 1931 | 1932 | 1933 |
|  | \$ | \$ | \$ | \$ |  |  |  |  |
| Canida, Total | 44,090,400 | 16,052,600 | 15,582,300 | 13,692,000 | 100.0 | 36.4 | 35.3 | 31.1 |
| Maritime Prorinces | 1,337,100 | 811,800 | 505,700 | 470,300 | 100.0 | 60.7 | 37.8 | 35.2 |
| Quebec | 3,337,100 | 2,594,100 | 1,620,500 | 1,194,500 | 100.0 | 77.7 | 48.6 | 35.8 |
| ontario | 8,814,500 | 4,873,400 | 3,207,500 | 3,218,500 | 100.0 | 55.3 | 36.4 | 36.5 |
| Manitoba | 6,352,800 | 1,672,100 | 1,883,700 | 1,947,600 | 100.0 | 26.3 | 29.7 | 30.7 |
| Saskatchowan | 14,071,700 | 2,693,700 | 4,265,200 | 3,268,800 | 100.0 | 19.1 | 30.3 | 23.2 |
| Alberta | 9,784,200 | 3,130,700 | 3,961,700 | 3,423,000 | 100.0 | 32.0 | 40.5 | 35.0 |
| British Columbia...... | 393,000 | 276,800 | 138,000 | 169,300 | 100.0 | 70.4 | 35.1 | 43.1 |

(I) Includes practically all large wholesale dealers.
(2) Incluaes manufacturers operating distributing branches in canada.
(3) Jinles are based on the location of establishments and are not necessarily synonymous with proviacial sales.

Tabl3 6.--Distribution of Sales of Wholesale Establishments, 1933

| Group | Sales of Firms I. eporting 1933 | Percentage of Total sales sold to - |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Manuf'acturers or Industrial Users as Materials or Supplies | Jobbers or other Tholesalers | chains or <br> Department Stores | other Retailers | $\begin{array}{r} \text { Export } \\ \text { Sales } \end{array}$ | other |
| Tholesalers proper | \$ | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. |
| Coal and ccise Meats(1) ..... | $\begin{aligned} & 27,876,500 \\ & 84,257,800 \end{aligned}$ | 33.6 8.1 | 29.6 3.0 | 13.6 | 32.1 57.6 | 14.5 | 4.7 3.2 |
| Other Tholesalers( 2 ) |  |  |  |  |  |  |  |
| Biscuits and confectionery | 7,717,400 | - | 14.6 | 26.9 | 54.7 | . 3 | 3.5 |
| Sugar ..................... | 34,997,100 | 18.6 | 60.9 | 14.4 | 3.6 | 2.5 | - |
| Electrical | 27,409,700 | 47.6 | 22.6 | 5.2 | 17.2 | 4.2 | 3.2 |
| Farm machinery and equipment | 18,788,400 | - | 1.3 | - | 28.3 | 37.5 | 32.9 |
| Hardware and plumbing ...... | 11,158,800 | 38.7 | 29.8 | 7.6 | 23.0 | . 9 | - |
| Rubber footwear ............ | 6,225,700 | 2.4 13.8 | 14.1 | 29.7 | 38.9 | 14.9 | - |
| Tires ard rubuer goods ..... | 26,174,700 | 13.8 | 16.0 | 7.0 | 43.1 | 19.7 | . 4 |

(1) Incluats sales by packing companies.
(2) Chiefly manufacturers with eeneral sales offices or sales branches.

Table 7.--Distribution of sales of Marketers (1) of petroleum products, 1933

| Economic Division |  | Percentage of Total sales to - |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales of Firms Ieporting 1933 | $\begin{gathered} \text { Sales } \\ \text { to } \\ \text { Jobbers } \end{gathered}$ | (2) <br> Sales to <br> Retajlers | Sales to Farmers and other Primary Producers | Other Wholesale Sales | $\begin{array}{\|c} \text { Sales } \\ \text { at } \\ \text { Retail } \\ \text { Prices } \\ \hline \end{array}$ | $\begin{array}{r} \text { (3) } \\ \text { Export } \\ \text { Sales } \\ \hline \end{array}$ | Other |
|  | \$ | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. |
| CANADA, rotal | 155,374,800 | 21.6 | 46.0 | 11.9 | 14.5 | 4.0 | 1.4 | . 6 |
| Mai itime Provinces. | 11,523,600 | 16.7 | 57.3 | 15.1 | 9.6 | . 3 | . 6 | . 4 |
| Quebec. | 26,509,300 | 21.8 | 50.7 | 1.3 | 22.0 | 3.0 | . 8 | . 4 |
| Ontasio | 66,076,600 | 21.0 | 52.0 | 4.1 | 11.8 | 7.5 | 2.9 | . 3 |
| Manitoba | 8,997,700 | 22.3 | 38.3 | 27.5 | 10.0 | 1.6 | - | . 3 |
| Saskatchewan | 14,574,200 | 25.2 | 32.5 | 38.9 | 2.4 | . 6 | - | . 4 |
| Alberta | 15,486,600 | 24.5 | 33.1 | 31.1 | 10.7 | . 2 | - | . 4 |
| Britisi Columbia | 17,206,800 | 20.8 | 32,6 | 8.7 | 31.8 | 3.3 | - | 2.8 |

(1) Includes m\&rketing organizatfons of refining odmpanies as well as jobbers.
(2) Includes compani-owned filling stations.
(3) Export salcs are attributed to offices reparting such saies.

Table 8.--Receipts of Motion Picture Theatres by Cities, 1930 and 1933


