## CANADA

# DOMINION BUREAU OF STATISTICS

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CENSUS OF MERCHANDISING AND SERVICE ESTABLISHMENTS

# RETAIL MERCHANDISE TRADE

IN

CANADA

1930-1933



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#### DOMINION BUREAU OF STATISTICS - CANADA

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#### CENSUS OF MERCHANDISING AND SERVICE ESTABLISHMENTS.

#### RETAIL MERCHANDISE TRADE IN CANADA, 1930 - 1933

The total retail merchandise trade in Canada during 1933 amounted to \$1,776,884,000 as compared with \$2,755,569,900 in 1930, according to the Census of Merchandising Establishments, 1933. Sales for the two intervening years, 1931 and 1932, amounted to \$2,325,732,000 and \$1,917,219,000 respectively. Or, representing the total retail merchandise trade in 1930 by 100, indexes of the dollar volume of business for the following three years are 84.4 for 1931, 69.6 for 1932 and 64.5 for 1933.

The data for the basic year 1930 were secured in connection with the Census of Merchandising and Service Establishments, 1931. The figures for the following years have been derived from indexes of retail sales based upon reports secured in 1934 from all chain stores and the larger independent stores and covering the period from 1931 to 1933. Since all stores were not covered in the current Census, it is not possible to give the number of trading establishments in 1933. An explanation of the methods used in preparing the tables presented in this bulletin will be found in the last section of the introduction.

The decline in retail merchandise trade from 1930 to 1933 has not been uniform for all provinces. The least decrease in business is shown for Nova Scotia, where the index for 1933 was 69.7 compared with 100 for 1930, showing a decline of 30.3 per cent. The decline in Saskatchewan, however, was 45.0 per cent, or the index for 1933 is 55.0.

A comparison by five economic divisions, and with the 1930 business of each division represented by 100, gives the following indexes of retail sales for 1933, arranged in descending order: Ontario, 67.0; Maritime Provinces, 66.0; Quebec, 64.7; British Columbia, 61.8; and the Prairie Provinces, 60.0.

Upon comparing the business in each year with that of the year immediately preceding, it is found that for the Dominion as a whole the year-to-year decreases in retail merchandise trade were as follows: 1931, -15.6 per cent; 1932, -17.5 per cent; and 1933 compared with 1932 showed a decrease of 7.3 per cent. Retail merchandise trade in the Dominion during the period 1930 - 1933 thus showed the largest yearly decrease in 1932 and the smallest in 1933. The year-to-year changes by provinces are as follows:

	1931	1932	1933
Prince Edward Island	-16.8	-20.2	- 4.4
Nova Scotia	- 9.4	-16.9	- 7.4
New Brunswick	-15.0	-20.6	- 7.9
Quebec	-13.6	-17.4	- 9.4
Ontario	-13.5	-17.3	- 6.3
Manitoba	-18.3	-15.1	- 8.4
Saskatchewan	-27.2	-18.0	- 7.9
Alberta	-22.7	-15.3	- 6.4
British Columbia	-16.8	-21.6	- 5.2
Yukon and Northwest Territories	- 9.5	-24.5	-19.6

It will thus be seen that for the Dominion as a whole, and for all except the three Prairie Provinces, the greatest percentage decrease below the preceding year occurred in 1932, while in Manitoba, Saskatchewan and Alberta the greatest decline took place in 1931.

In 1930 the provinces, arranged in the order of their sales importance, together with the percentages of the Dominion business transacted, were as follows: Ontario, 39.92; Quebec, 23.63; British Columbia, 9.02; Manitoba, 6.87; Saskatchewan, 6.86; Alberta, 6.41; Nova Scotia, 3.61; New Brunswick, 3.06; Prince Edward Island, .50; Yukon and Northwest Territories, .12. In 1933 Alberta and Saskatchewan were interchanged in their order of sales importance, the percentages of the total business for that year being as follows: Ontario, 41.48; Quebec, 23.70; British Columbia, 8.65; Manitoba, 6.77; Alberta, 6.10; Saskatchewan, 5.86; Nova Scotia, 3.90; New Brunswick, 2.95; Prince Edward Island, .49; and Yukon and Northwest Territories, .10.

For the Census of Merchandising Establishments, 1933, 44 different kind-of-business classifications have been used and these have been combined into the following nine broad groups: Food Group; Country General Stores; General Merchandise Group; Automotive Group; Apparel Group; Building Materials Group; Furniture and Household Group; Restaurants, Cafeterias and Eating Places; and Other Retail Stores. Although the retail trade of the Dominion as a whole declined in 1933 to 64.5 per cent of the 1930 business, considerable variations are observed in the indexes for the various groups and also for the classifications within each section.

As compared with the 1933 index of 64.5 for all kinds of business, the food group of stores had the highest index of sales (70.1) and the furniture and household group the lowest (49.8). Indexes for 1933 for each group, arranged in descending order, are as follows: Food Group, 70.1; General Merchandise Group, 69.4; Apparel Group, 66.9; Country General Stores, 66.1; Other Retail Stores, 65.8; Automotive Group, 57.2; Restaurant Group, 54.8; Building Materials Group, 51.0; and the Furniture and Household Group, 49.8. For all groups except the automotive and country general stores, the greatest percentage decrease from the preceding year took place in 1932. In the case of the two groups mentioned, the greatest decline occurred in 1931.

#### Chain Stores and Sales

The percentage of chain store business to total business increased by four-fifths of one per cent from 1930 to 1933. In 1930 there were 518 chain organizations in Canada (exclusive of department store chains) with an average of 8,097 stores in operation during the year. Sales of these chains amounted to \$487,336,000 or 17.7 per cent of the total business of all stores. In 1933 the number of chains had decreased to 461, the average number of chain units in operation to 7,900, and chain sales to \$328,736,700, but the proportion of the total retail trade handled by chains increased to 18.5 per cent. Chain store ratios were 18.7 per cent in 1931 and 18.8 per cent in 1932.

These chain store figures relate only to groups of four or more stores owned or operated by one firm. Figures for voluntary chain stores are not included, and, as already indicated, department store chains are also omitted from these computations.

Of the ten kind-of-business classifications in which chains are of most importance and for which separate chain store tabulations have been made, five show increases in the proportion of chain store business to total business during the period 1930 to 1933. In two kinds of business the proportion of chain business to total business decreased, and in the remaining three there was practically no variation. The kinds of business in which there were increases in chain ratios, together with the percentages for 1933 with 1930 figures in brackets, are as follows: Grocery and Combination Stores, 33.2 (29.5); Filling Stations, 29.4 (22.4); Family Clothing Stores, 21.3 (11.3); Shoe Stores, 27.1 (21.5); and Drug Stores, 19.3 (18.2). The two showing decreases are: Men's and Boys' Clothing and Furnishings, 12.1 (13.7); and Women's Apparel and Accessories, 9.0 (12.3). Variations in chain ratios of less than one per cent took place in the following: Variety Stores, 89.5 (89.1); Household Appliance Stores, 57.5 (57.8); and the Restaurant Group, 17.1 (17.7).

A geographical analysis of chains in Canada shows that in five of the nine provinces there was an increase of one per cent or more in the ratio of chain sales to total sales during the period 1930 to 1933. In the other four provinces the changes either upwards or downwards were less than one per cent of the total provincial business. The provinces showing increases in the ratio of chain sales to total, together with the percentages for 1933 with 1930 figures in brackets, are as follows: Nova Scotia, 16.9 (12.2); Saskatchewan, 19.9 (18.0); Alberta, 15.9 (14.1); British Columbia, 20.9 (19.3); and Ontario, 20.5 (19.5). The considerable increase in chain store ratio in Nova Scotia is largely due to the inclusion of government liquor stores in the chain figures. These stores in Nova Scotia were in operation for only a few months during 1930, but the 1933 chain figures include a full year's business. The provinces showing little variation in chain store ratios are as follows: Prince Edward Island, 4.0 (4.9); New Brunswick, 14.5 (14.2); Quebec, 17.4 (18.0); and Manitoba, 11.3 (11.7).

Chain Stores and Sales Classified According to Type of Operation.—Chains have been classified as local, provincial, sectional and national, depending upon the extent of territory covered. Local chains are confined to one town or city, while provincial chains have stores located in more than one locality but confined to one province. Sectional chains are defined as those having units in two or three provinces, while national chains have stores in four provinces or more. Table 6 gives a comparison as between 1930 and 1933 of chains classified according to type of operation, and it is seen that the percentages of chain stores and chain sales

attributable to the four types mentioned above have not changed materially during the period under review.

#### Comparison of Indexes of Retail Sales and Cost of Living Indexes

The total sales of all retail merchandising establishments in Canada during each of the years 1930 to 1933 and indexes of sales (1930 = 100) are as follows:

Year		Total Sales	Index of Sales (1930 = 100)
1930		2,755,569,900	100.0
1931		2,325,732,000	84.4
1932	0 0 0 0	1,917,219,000	69.6
1933		1,776,884,000	64.5

How much of the decrease in dollar volume of sales is due to the decline in price levels and how much to a decrease in the quantity of goods consumed cannot be definitely stated due to the absence of price indexes so constructed as to be strictly comparable. Nevertheless, it is well established that a considerable portion of the drop in dollar volume is due to price declines. While cost of living index numbers are not constructed in such a way as to warrant their use as a correction for price changes in these index numbers of retail sales, they do give some indication of the order of magnitude of the price trends. The Bureau's Cost of Living Indexes for the period under review are given below and, for comparison purposes, have been adjusted to make the 1930 figure equal 100.

Year	Total Index	Food Index	Fuel Index	Rent	Clothing Index	Sundries Index	Retail Price Index (Foods, fuel, clothing, household requirements)
1930	100.0	100.0	100.0	100.40	100.0	100.0	100.0
1931	90.3	78.4	98.4	97.3	87.5	98.0	8 <b>5.</b> 3
1932	82.1	65.2	95.5	89.4	77.5	95.2	7 <b>5.</b> 2
1933	78.3	64.6	91.6	80.4	72.3	93.3	72.8

Separate price indexes are shown for food, fuel, rent and clothing. The sundries index indicates the price changes in a miscellaneous group of commodities, together with the variations in costs of certain services, such as theatre costs, insurance, doctors' and dentists' fees, hospital charges and laundry. The total index given in the second column of the table is an average of the figures in the following five columns, each weighted in proportion to the consumption of the items involved. The last column, "Retail Price Index", is also a weighted average but omits the rental figures and includes only the merchandising items in the sundries index. From this column, it is seen that the retail price level for the Dominion as a whole in 1933 was 72.8 per cent of that in 1930, or that there was a decrease during the period of 27.2 per cent. The indexes of retail sales already given show that the decrease in dollar volume of sales in Canada over the same period was

approximately 35.5 per cent or between 8 and 9 per cent greater than the drop in price levels. The 1933 index of food prices shown above stands at 64.6, while the index of retail sales for the food group of stores for the same year is 70.1. Of course, an exact comparison between these two indexes is not valid due to the way in which the price indexes are constructed and also due to the fact that kind-of-business classifications are not synonymous with commodities sold. For example, food products are sold in country general stores and in department stores, as well as in stores classified in the food group. After making allowance for these factors, it is evident, however, that the actual quantity of food consumed has been well sustained.

#### Sales by Kinds of Business

The greatest proportion of the total retail business both in 1930 and in 1933 was transacted by the food group of stores. In 1930 the business of food stores (exclusive of retail sales made by manufacturing bakeries and dairies) amounted to \$615,476,100. In 1933 the sales of food stores were \$431,165,000 or 70.1 per cent of the total for this group in 1930. The most important classification in the food group is composed of stores of the grocery and combination type. Combination stores are defined as those selling both groceries and meats and for the Census of Merchandising, 1931, separate data were published for this type of store. For the present Census, it has been necessary to combine the figures for grocery and combination stores, and it is found that in 1933 the business transacted by these stores formed 73.5 per cent of the 1930 figure. Indexes for the years 1931 and 1932 were 89.0 and 77.9 respectively. Sales made by meat markets in 1933 amounted to \$50,036,000 or 60.3 per cent of the 1930 sales figure. The lower index for meat markets is at least partly due to the greater drop in the price levels of meat products as compared with grocery items.

Country General Stores. -- Sales made by country general stores in Canada in 1933 amounted to \$151,233,000 or 66.1 per cent of the 1930 figure. Indexes of sales for 1931 and 1932 are 81.0 and 69.3.

General Merchandise Group.—The two most important classifications included in this group are department stores and variety stores. In 1930 there were 14% stores classified as department stores in Canada and these had total sales of \$355,258,600. Due to a few changes in classification and to several stores going out of business, the number of department stores in 1933 had decreased to 13% and these had sales of \$241,665,000 or 68.0 per cent of the 1930 figure. Expressing the sales of department stores in terms of the total retail merchandise trade of the country, it is found that the proportion increased from 12.9 per cent in 1930 to a slightly higher figure, or 13.6 per cent in 1935. Indexes of sales of variety stores (1930 = 100) are 98.5, 89.6 and 84.3 for 1931, 1932 and 1933 respectively.

Automotive Group.—The sales volume of automobile dealer establishments decreased from \$253,607,900 in 1930 to 51.2 per cent of that amount, or \$129,888,—000 in 1933. Indexes for the two intervening years (1930 = 100) are 73.7 and 53.8. The 1933 business of filling stations is estimated at \$47,842,000 or 72.0 per cent of that transacted in 1930.

Apparel Group.—For the apparel group as a whole, the index of retail sales decreased from 100 in 1930 to 86.0, 70.9 and 66.9 in 1931, 1932 and 1933 respectively. The different classifications into which the group has been divided, together with the 1933 retail sales index for each, are as follows:

Men's and Boys' Clothing and Furnishings (including custom tailors), 61.7; Family Clothing Stores, 75.0; Women's Apparel and Accessories Stores, 64.0; and Shoe Stores, 73.2.

Building Materials Group. -- For the group as a whole, indexes of retail sales for the three years 1931, 1932 and 1933 are as follows: 79.5, 59.1 and 51.0. The most important kind-of-business classifications included in this group are hardware stores and lumber and building material dealers. Sales indexes for the former for the three years are 83.7, 66.8 and 60.3, and for the latter, 73.0, 52.6 and 44.3.

Furniture and Household Group.—Sales of furniture stores in 1933 amounted to \$25,074,000 or 56.3 per cent of the volume of business transacted by this type of store in 1930. The amount quoted does not, of course, represent the total sales of furniture in the Dominion, since articles of furniture are also sold in department stores and possibly in stores belonging to other kind-of-business classifications. Sales made by radio and music stores declined from \$33,894,200 in 1930 to 59.6 per cent of that amount, or \$13,439,000, in 1933.

Restaurants, Cafeterias and Eating Places. -- Total sales of all establishments included in this group in 1933 amounted to \$41,666,000 or 54.8 per cent of the \$75,977,100 reported for 1930. Indexes for the two intervening years are 81.7 and 62.7.

Other Retail Stores.—The most important kind-of-business classifications included in this group, together with the sales indexes for the three years 1931, 1932 and 1933, are as follows: Coal and Wood Yards, 88.6, 82.0, 81.7; Drug Stores, 91.8, 83.0, 74.3; Tobacco Stores and Stands, 88.5, 77.7, 70.0; Jewellery Stores, 79.8, 63.6, 59.0; and Government Liquor Stores, 85.8, 66.6 and 54.5.

#### Voluntary Chains

For the purposes of the Census of Merchandising Establishments, groups of independent retailers formed into organizations for buying and/or advertising purposes have been classified as voluntary chains. These retailers may sell a wide range of commodities, and their co-operative buying activities may function only for particular lines such as groceries. Trends in the total sales made by members of these groups would not, therefore, be a true indication of the growth of the voluntary chain system in Canada. A better measure of the development of these voluntary chains is obtained from a comparison of the yearly purchases made upon a co-operative basis by the different members.

In 1930 there were 4,485 members of some 24 different voluntary chain systems in Canada and these purchased goods valued at \$22,783,372 or an average of \$5,080 per store. In 1933 the number of chains had increased to 32, the number of members to 6,689, and the value of purchases made upon a co-operative basis at wholesale prices amounted to \$28,625,065 or 125.6 per cent of the 1930 figure. If allowance were made for the decline in the wholesale prices of the goods purchased, the percentage increase in the actual volume of goods purchased by these voluntary chains would, of course, be much greater.

While a number of voluntary chains have been formed by dealers in drugs, hardware, and shoes, most of them have developed for the purchasing of groceries and allied products. Of the 32 voluntary chains in operation in 1933, food chains numbered 27. These had 6,025 out of the total of 6,689 members, and purchases at wholesale prices by these voluntary food chains amounted to \$26,725,418.

Voluntary food chains have been classified into two types. The first (indicated in the tables as Type A) consists of a group of stores more or less closely connected with a single wholesaler or group of wholesalers who service the individual members. The store fronts are uniform in design and all the individual stores carry the name of the group to which they belong.

The second type (Type B) consists of small groups of merchants, usually in the same locality, who have formed group buying organizations in order to secure some of the benefits of bulk purchasing. In some cases, orders are placed through a secretary appointed by the organization, while in other instances one of the members becomes responsible for the purchase of a consignment of goods for the group.

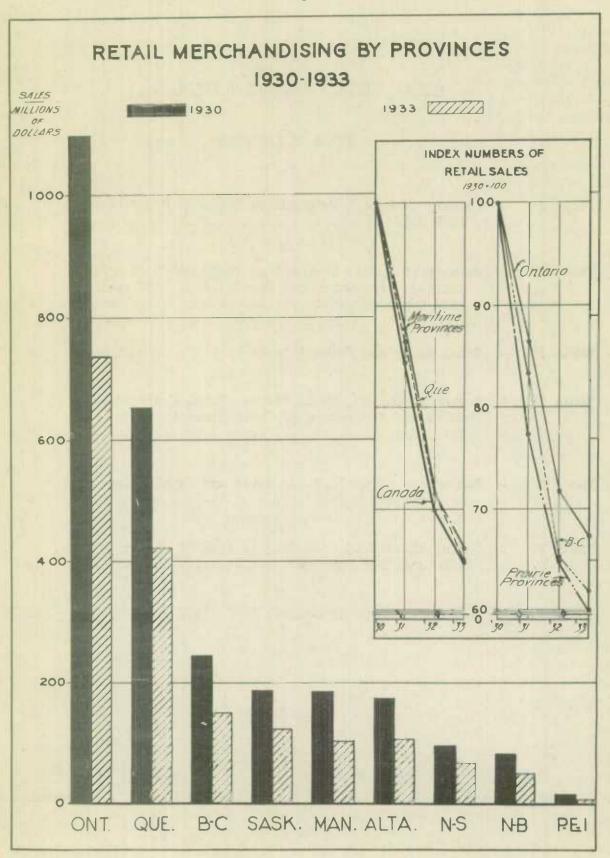
Of the 27 voluntary food chains in operation in Canada in 1933, 19 belonged to Type A and 8 to Type B. Those in Type A had 5,554 members in 1933 and purchases by these members from the wholesalers servicing the groups amounted to \$25,250,771. The average purchases per store, therefore, amounted to \$4,546. The 8 chains in Type B had 471 members and the value of purchases at wholesale prices amounted to \$1,474,647, giving average purchases per store of \$3,131.

Wholesalers servicing voluntary chains of Type A do not confine their sales to members of these groups but also sell to other retail merchants. Upon comparing sales made to voluntary chains with the total business of the wholesalers interested, it is found that the percentage that the former bears to the latter has increased from 28.01 per cent in 1930 to 34.19 per cent in 1933. The percentages of sales made to voluntary chains to the total sales of the wholesalers for 1931 and 1932 were 51.00 and 33.11 respectively.

#### Description of Methods Used in Constructing Indexes of Retail Sales

As already mentioned in this report, the figures for the basic year 1930 were secured for the Census of Merchandising and Service Establishments, 1931. The data for the following years were secured for an annual census of merchandising arising out of the Decennial Census and in which sales figures were obtained for each of the years 1931, 1932 and 1953. While the Census of Merchandising and Service Establishments, 1951, included in its scope every retail establishment, the annual census includes all chain stores and those independent stores which reported sales for 1930 over a specified amount. The independent stores from which reports were secured were those with an annual turnover of \$30,000 or more in 1930 (\$20,000 or more in the case of food stores and country general stores) and which continued in business throughout the period. This means that approximately two-thirds of the retail business of the Dominion is covered in the annual census. From the reports thus received, and using the year 1930 as the base period, indexes of retail sales for each of the years 1931 to 1933 have been computed. These indexes have then been applied to the total sales of all stores in 1930 in order to arrive at estimates of the total annual business of all retail establishments in each of the following years.

While a large portion of retail trade has been covered in the current census, it is clear that the figures presented in this report for the years 1931, 1932 and 1933 are estimates based on indexes computed from the returns of the establishments reporting. The chief factor which may not be reflected in the sales indexes is a decline in the number of stores in certain kinds of business. No information is available to show the extent to which firms going out of business have not been replaced by new stores of a similar character. The possibility, therefore, of the sales of the surviving stores covered by this census not reflecting completely the trend in retail trade during the period from 1930 to 1953 must be noted. However, it is believed that for the provincial retail trade as a whole the figures may be taken as approximately correct and for certain kind-of-business groups as being more accurate than for others. Among the kind-of-business classifications which are believed to be most accurate are included: Grocery and Combination Stores, Meat Markets, Department Stores, Variety Stores, Automobile Dealers, Coal and Wood Yards, Drug Stores, and Restaurants and Other Eating Places.



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Table 1 .-- Summary of Retail Merchandise Trade, by Provinces, 1930 - 1933

Province		F	Total Net Sales (Estimated)	3	Index of Retail Sales (1930 = 100.0)				Per Ce	
	1930	1931	1932	1933			1932		1930	1933
	\$	\$	\$	\$						
Canada, Total .	2,755,569,900	2,325,732,000	1,917,219,000	1,776,884,000	100.0	84.4	69.6	64.5	100.00	100.00
Prince Edward Island	13,773,700	11,466,000	9,141,000	8,742,000	100.0	83.2	66.4	63.5	.50	.49
Nova Scotia	99, <b>5</b> 19,900	90,187,000	74,966,000	69,349,000	100.0	90.6	75.3	69.7	3.61	3.90
New Brunswick	84,371,900	71,692,000	56,992,000	52,445,000	100.0	85.0	67.5	62.2	3.06	2.95
Quebec	651,138,500	562,395,000	464,963,000	421,141,000	100.0	86.4	71.4	64.7	23.63	23.70
Ontario	1,099,990,200	951,288,000	786,859,000	737,000,000	100.0	86.5	71.5	67.0	39.92	41.48
Manitoba	189,243,900	154,690,000	131,415,000	120,322,000	100.0	81.7	69.4	63.6	6.87	6.77
Saskatchewan	189,181,100	137,792,000	112,929,000	104,123,000	100.0	72.8	59.7	55.0	6.86	5.86
Alberta	176,537,100	136,505,000	115,578,000	108,277,000	100.0	77.3	65.5	61.3	6.41	6.10
British Columbia	243,597,500	206,807,000	162,179,000	153,719,000	100.0	83.2	65.2	61.8	9.02	8.65
Yukon and Northwest Territories	3,216,100	2,910,000	2,197,000	1,766,000	100.0	90.5	68.3	54.9	.12	.10

# Table 2. -- Summary of Retail Merchandise Trade by Kinds

	Group		Canada	Prince Edward Island	Nova Scotia	New Brunswick
1	Food	(Sales, 1930 (Sales, 1933 (% change		2,132,100 1,611,000 - 24.4		14,982,500 10,795,000 - 27.9
2	Country general stores	(Sales, 1930 (Sales, 1933 (% change			14,513,500 10,174,000 - 29.9	12,236,200 8, <b>5</b> 29,000 - 30.3
3	General merchandise	(Sales, 1930 (Sales, 1933 (% change		2,304,900 1,503,000 - 34.8	11,438,300 8,58 <b>5</b> ,000 - 24.9	18,679,900 11,868,000 - 36.5
4	Automotive	(Sales, 1930 (Sales, 1933 (% change	\$ 218,484,000	1,960,700 886,000 - <b>54</b> .8	16,254,400 8,659,000 - 46.7	11,697,800 5,021,000 - 57.1
5	Apparel	(Sales, 1930 (Sales, 1933 (% change	\$ 147,085,000	1,298,600 962,000 - 25.9	9,141, <b>5</b> 00 6,284,000 - 31.3	6,373,300 4,088,000 - 3 <b>5</b> .9
6	Building materials	(Sales, 1930 (Sales, 1933 (% change		429,600 204,000 - <b>5</b> 2.6	4,513,000 2,460,000 - 45.5	3,359,000 1,733,000 - 48.4
7	Furniture and household	(Sales, 1930 (Sales, 1933 (% change		406,200 218,000 - 46.3	3,380,600 1,809,000 - 46.5	2,592,300 1,157,000 - 55.4
8	Restaurants, cafeterias and eating places	(Sales, 1930 (Sales, 1933 (% change	\$ 41,666,000	141,900 9 <b>5</b> ,000 - 33.4		
9	Other retail stores (Secondhand stores included)	(Sales, 1933	\$ 517,939,500 \$ 340,561,000 - 34.2	1,082,000	13,994,600 11,327,000 - 19.1	
10	Total, All Stores	(Sales, 1933	\$2,755,569,900 \$1,776,884,000 - 35.5	8,742,000	69,349,000	52,445,000

## of Business, Provinces and Territories, 1930 and 1933 Compared

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	
255,936,200 181,518,000 - 29.1	27,410,900 19,102,000 - 30.3	25,877,700 15,484,000 - 40.2	29,137,600 19,421,000 - 33.3	48,692,000 31,262,000 - <b>35</b> .8	263,700) 219,000) - 17.0)	
48,066,000 33,310,000 - 30.7	15,542,700 9,963,000 - 35.9	37,710,000 23,083,000 - 38.8	28,7 <b>5</b> 6,900 18,778,000 - 34.7	17,653,500 11,563,000 - 34.5	691,600) 446,000) - 34.5)	
180,383,600 124,024,000 - 31.2	64,344,000 45,507,000 - 29.3	20,102,400 13,968,000 - 30.5	23,198,500 16,793,000 - 27.6	45,862,100 34,010,000 - 25.8	- ) - )	3
167,410,500 106,358,000 - 36.5	20,60 <b>5</b> ,500 10,680,000 - 48.2	27,048,700 11,077,000 - <b>5</b> 9.1	31,120,100 15,381,000 - 50.6	34,122,100 18,587,000 - 45.5	- ) - )	4
93,711,300 64,022,000 - 31.7	9,597,200 5,957,000 - 37.9	10,231,900 5,953,000 - 41.8	11,087,700 7,943,000 - 28.4	17,409,400 10,874,000 - 37.5	11,800) 7,000) - 43.2)	5
61,398,100 32,759,000 - 46.6	12,173,400 5,9 <b>5</b> 9,000 - <b>5</b> 1.1	22,612,200 10,772,000 - <b>5</b> 2.4	15,574,000 8,611,000 - 44.7	12,348,900 5,710,000 - 53.8	71,600) 85,000) + 19.7)	
43,713,000 22,887,000 - 47.6	3,740,800 2,019,000 - 46.0	4,087,300 1,944,000 - 52.4	5,353,600 3,042,000 - 43.2	8,207,100 4,127,000 - 49.7	3,500) 2,000) - 38.3)	
28,633,600 17,008,000 - 40.6	5,553,300 2,682,000 - 51.7	2,759,000	3,256,000	5,220,000	80,900) 56,000) - 31.1)	
220,737,900 155,115,000 - 29.7	30,276,100 18,453,000 - 39.1	35,959,000 19,083,000 - 46.9	26,312,300 15,051,000 - 42.8	54,167,400 32,366,000 - 40.2	2,103,000) 9 <b>5</b> 2,000) - <b>5</b> 4.7 )	Э
	, ,			248,597,500 153,719,000 - 38.2	3,216,100) 1,766,000) - 45.1)	10
	255,936,200 181,518,000 - 29.1  48,066,000 33,310,000 - 30.7  180,383,600 124,024,000 - 31.2  167,410,500 106,358,000 - 36.5  93,711,300 64,022,000 - 31.7  61,398,100 32,759,000 - 46.6  43,713,000 22,887,000 - 47.6  28,633,600 17,008,000 - 40.6  220,737,900 155,115,000 - 29.7	255,936,200	255,936,200	255,936,200	255,936,200	Ontario         Manitoba         Saskatchewan         Alberta         British Golumbia         Northwest Territories           255,936,200         27,410,900         25,877,700         29,137,600         48,692,000         265,700           181,518,000         19,102,000         15,484,000         19,421,000         31,262,000         219,000           281,000         - 30.3         - 40.2         - 33.3         - 35.8         - 17.0           48,066,000         15,542,700         37,710,000         28,756,900         17,653,500         691,600           33,310,000         9,963,000         23,083,000         18,776,000         11,563,000         446,000           - 30.7         - 35.9         - 38.8         - 34.7         - 34.5         - 34.5           180,393,600         64,344,000         20,102,400         23,198,500         45,862,100         - 34.5           180,402,000         45,507,000         13,968,000         16,793,000         34,010,000         - 25.8           167,410,500         20,605,500         27,048,700         31,120,100         34,122,100         - 25.8           93,711,300         9,597,200         10,231,901         15,381,000         16,794,000         18,587,000           64,398,100

# Table 3 .-- Total Sales and Sales Indexes by Kinds of Business

				Index					
	Kind of Business						100.0		
		1930	1931	1932	1933	1930	1931	1932	1933
		6	\$	\$	\$	Till			
	Total, All Stores	2,755,569,900	2,325,732,000	1,917,219,000	1,776,884,000	100.0	84.4	69.6	64.5
	Food Group	615,476,100	534,423,000	460,570,000	431,165,000	100.0	86.8	74.8	70.1
Rakerv	product stores (manufactur-								
	bakeries not included)	11,027,600	9,698,000	8,003,000	7,614,000	100.0	87.9	72.6	69.0
	and confectionery stores	54,176,100	43,922,000	36,619,000	32,855,000	100.0	81.1	67.6	60.6
	product dealers (other than								
	facturing dairies)	37,173,900	32,591,000	27,876,000	26,311,000	100.0		4	
Fruit	and vegetable stores	16,293,400	14,583,000	13,207,000	12,116,000	100.0			
Grocery	y and combination stores	405,403,400	360,872,000	315,825,000	297,306,000	100.0			
Meat m	arkets (including sea foods).	83,026,200	65,980,000	53,535,000	50,036,000	100.0			
Other :	food stores	8,375,500	6,777,000	5,505,000	4,928,000	100.0	80.9	65.7	58.
	Country General Stores	228,803,800	185,400,000	158,635,000	151,233,000	100.0	81.0	69.3	66.
	General Merchandise Group	451,542,500	400,948,000	330,601,000	313,258,000	100.0	88.88	73.2	69.
Danamh	nant stores	355,258,600	312,739,000	253,832,000	241,665,000	100.0	88.0	71.4	68.0
	ment stores	31,705,600	27,578,000	23,059,000		100.0			
	l merchandise stores	20,366,100	17,066,000	14,082,000		100.0			
	y stores	44,212,200	43,565,000	39,629,000		100.0			
AGTIC	A DONTED COSSOSSOSSOSSOSSOSSOS	TISALASAUU	10,000,000	00,000,000					
	Automotive Group	381,959,300	298,040,000	235,252,000	218,484,000	100.0	78.0	61.6	57
Motor	vehicle dealers	253,607,900	186,877,000	136,369,000	129,888,000	100.0	73.7	53.8	51.
	ories, tires and batteries	10,955,800	9,303,000	8,493,000		100.0			
	g stations	66,449,300	60,195,000	54,091,000	47,842,000	100.0			
	5	47,559,800	39,063,000	34,284,000	30,327,000	100.0	82.1	72.1	63.
Other	automotive establishments								
(inc	luding motorcycles, bicycles								
and	supplies)	3,386,500	2,602,000	2,016,000	1,897,000	100.0	76.8	59.5	56.
	Apparel Group	219,968,600	189,230,000	155,929,000	147,085,000	100.0	86.0	70.9	66.
Men's m	ndboys' clothing and furnish-								
	(includes custom tailors)	72,110,500	58,759,000	46,876,000	44,520,000	100.0	81.5	65.0	61.
	clothing stores	42,144,100	36,976,000	31,845,000	31,593,000	100.0			
	apparel and accessories stores	69,806,000	61,236,000	49,405,000	44,688,000	100.0			
Chan a	apparez and accessor resistores	35 908 000	32 259 000	27 802 000	26.284.000	100.0	89 8	77.4	73.2

## Table 3 .-- Total Sales and Sales Indexes by Kinds of Business (Cont'd.) -

			Total Net	the state of the s		1			Sales
	Kind of Business			(Estimated)				= 100	
		1930	1931	1932	1933	1930	1931	1932	1933
		*	\$	4	\$				
	Building Materials Group	162,237,100	128,991,000	95,855,000	82,797,000	100.0	79.5	59.1	51.0
Hard	dware stores	70,891,700 66,200,700	<b>5</b> 9,321,000 48,3 <b>5</b> 6,000	47,346,000	, ,	100.0			
ma	er building materials (including roofing aterials)	9,596,800	8,503,000	4,557,000	2,949,000	100.0	88.6	47.5	30.7
Hear	ctrical shops (without radio)) ting and plumbing shops) nt and glass stores	15,547,900	12,812,000	9,141,000	7,771,000	100.0	32.4	58.9	50.0
	Furniture and Household Group	101,665,900	82,247,000	58,856,000	50,634,000	100.0	80.9	57.9	49.8
Hous	sehold appliance stores	41,016,500 17,798,200	34,964,000 14,247,000	25,930,000 10,886,000		100.0			
CC	er home furnishings (including floor overings, curtains, etc.)	8,957,000 33,894,200	6,841,000 26,195,000	5,127,000	4,912,000				54.8 39.6
	Restaurants, Cafeterias and Eating Places	75,977,100	62,040,000	47,673,000	41,666,000	100.0	81.7	62.7	54.8
	Other Retail Stores	517,939,500	444,414,000	373,350,000	340,561,000	100.0	35.8	72.2	65.8
Book Coal Ice Drug Flor Jewe Office Tobs	dealers  stores  dealers  cstores  dealers  dealers  dealery stores  dealery s	45,760,600 8,837,500 86,046,800 4,144,900 76,848,900 9,264,700 26,662,600 19,829,900 30,702,800 100,694,600 14,894,400	35,777,000 7,588,000 76,251,000 4,063,000 70,510,000 7,790,000 21,265,000 15,373,000 27,157,000 86,375,000 13,569,000	30,374,000 6,252,000 70,598,000 3,386,000 63,818,000 6,469,000 16,959,000 11,465,000 23,864,000 67,107,000	5,569,000 70,275,000 3,063,000 57,068,000 5,671,000 15,723,000 10,003,000 21,505,000 54,368,000	100.0 100.0 100.0 100.0 100.0 100.0 100.0	35.9 88.6 98.0 91.8 84.1 79.3 77.5 88.5 85.8	70.7 32.0 81.7 33.0 69.8 63.6 57.8 77.7 66.6	63.0 81.7 73.9 74.3 61.2 59.0 50.4 70.0 54.5
Gove	ernment liquor stores				54,368,000		35.8 91.1	6	6.6

# Table 4.--Number of Chains, Chain Stores, Total Chain Store Sales and Percentage of Chain Store Sales to Total Sales

Kind of Business		1930(1)	1931	1932	1933
All Stores, Total — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	\$2	487,336,000	8,188 434,015,200 2,325,732,000	1,917,219,000	7,900 328,736,700
Grocery and Combination Stores — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	40 40	66 2,004 119,498,600 405,403,400 29.5	2,098 117,099, <b>50</b> 0	71 2,151 104,442,600 315,825,000 33.1	75 2,132 98,606,500 297,306,000 33.2
Variety, 5-and-10, and to-a- Dollar Stores Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	\$	15 313 39,383,600 44,212,200 89.1	38,906,700	14 339 35,474,800 39,629,000 89.5	14 348 33,348,600 37,257,000 89.5
Filling Stations — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	40 40	28 646 14,875,300 66,449,300 22.4		14,705,800	30 738 14,071,100 47,842,000 29.4
Men's and Boys' Clothing and Furnishings (including custom tailors) — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	40 tu	22 176 9,866,800 72,110,500 13.7	22 179 8,253,600 <b>5</b> 8,759,000 14.0	19 148 5,784,700 46,876,000 12.3	14 125 5,405,200 44,520,000 12.1

<sup>(1)</sup> Figures for 1930 have been revised to provide for the reclassification of some stores by type of operation and the use of sales figures by firms instead of individual units.

Table 4.--Number of Chains, Chain Stores, Total Chain Store Sales and Percentage of Chain Store Sales to Total Sales (Cont'd.)-

Kind of Business	1930(1)	1931	1932	1933
Family Clothing Stores Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	13	13	12	12
	55	55	57	62
	\$ 4,746,600	4,425,100	3,873,700	6,722,000
	\$42,144,100	36,976,000	31,845,000	31,593,000
	11.3	12.0	12.2	21.3
Women's Apparel and Accessories Stores — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	28	25	19	15
	183	186	164	144
	\$ 8,584,800	6,828,100	5,093,700	4,029,400
	\$69,806,000	61,236,000	49,405,000	44,688,000
	12.3	11.2	10.3	9.0
Shoe Stores — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	17	18	19	22
	193	212	230	257
	\$ 7,702,700	7,687,500	7,094,800	7,114,800
	\$35,908,000	32,259,000	27,802,000	26,284,000
	21.5	23.8	25.5	27.1
Household Appliance Stores — Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	19	17	17	16
	283	269	260	250
	\$10,282,000	7,682,400	6,216,800	5,299,700
	\$17,798,200	14,247,000	10,886,000	9,209,000
	57.8	53.9	57.1	57.5
Restaurants, Cafeterias and Eating Places Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	21 252 \$13,438,600 \$75,977,100 17.7	20 243 11,011,700 62,040,000 17.7	17 224 8,262,600 47,673,000 17.3	7,129,300 41,666,000 17.1
Drug Stores Chains (number) Chain stores (number) Chain sales Total sales Percentage, chains to total.	31 284 \$13,971,300 \$76,848,900 18.2	32 299 13,584,600 70,510,000 19.3	32 305 12,520,000 63,818,000 19.6	11,001,500 57,068,000 19.3

<sup>(1)</sup> Figures for 1930 have been revised to provide for the reclassification of some stores by type of operation and the use of sales figures by firms instead of individual units.

# Table 5 .-- Comparison of Chain Store Sales and Total Sales, by Provinces

		(-)			
		1930(2)	1931	1932	1933
Canada To 1(1) Tot 1 Sales, All Stores Chair sales Percentage, chains to total	400	487,336,000	2,325,732,000 434,015,200 18.7		1,776,884,000 328,736,700 18.5
Prince Edward Island — Total Sales, All Stores Chain sales Percentage, chains to total	\$	13,773,700 678,700 4.9		9,141,000 433,800 4.7	
Nova Scotia — Total Sales, All Stores Chain sales Percentage, chains to total	\$	99,519,900 12,163,300 12.2		74,966,000 13,378,300 17.8	
New Brunswick Total Sales, All Stores Chain sales Percentage, chains to total	\$	84,371,900 11,958,700 14.2		56,992,000 8,511,900 14.9	
Quebec Total Sales, All Stores Chain sales Percentage, chains to total	\$	6 <b>5</b> 1,138,500 117,100,400 18.0		464,963,000 86,059,200 18.5	
Ontario Total Sales, All Stores Chain sales Percentage, chains to total	\$	214,391,300		786,859,000 163,814,600 20.8	
Manitoba Total Sales, All Stores Chain sales Percentage, chains to total	400	189,243,900 22,105,800 11.7		131,415,000 16,155,400 12.3	
Saskatchewan Total Sales, All Stores Chain sales Percentage, chains to total	\$	189,181,100 34,0 <b>5</b> 6,300 18.0	137,792,000 24,409,300 17.7	112,929,000 20,750,700 18.4	104,123,000 20,755,200 19.9
Alberta — Total Sales, All Stores Chain sales Percentage, chains to total	\$	176,537,100 24,918,500 14.1	136,505,000 20,288,100 14.9	115,578,000 17,577,900 15.2	108,277,000 17,269,500 15.9
British Columbia Total Sales, All Stores Chain sales Percentage, chains to total	\$	248,597,500 47,875,300 19.3		162,179,000 32,660,400 20.1	

<sup>(1)</sup> Includes Yukon and Northwest Territories.

<sup>(2)</sup> Figures for 1930 have been revised to provide for the reclassification of some stores by type of operation.

	1930(1)		1933					
	of	Number of stores	Sales	Per cent of total chain sales	of	Number of stores	Sales	Per cent of total chain sales
			\$	Mineral III III III III III III III III III I		500100	\$	Date
All Chains, Total	518 200 202 57 59	1,257 2,802 1,577	487,336,000 64,465,200 208,365,900 72,373,400 142,131,500	13.23 42.76 14.85	461 181 <b>169</b> 64 47	1,261 2,626 1,573	125,571,600	13.59 38.20 17.22
Grocery, Combination and Meat Market Chains, Total Local chains Provincial chains	87 <b>5</b> 4 23	2,218 388 553 1,277	127,582,500 17,296,600 37,951,400 72,334,500	13.56 29.75	91 <b>53</b> 28	2,301 441 582 1,278	YEE-ER AVE	16.33 28.91
Drug Chains, Total	31 24 7	284 171 113	13,971,500 6,696,800 7,274,500	47.93	29 23 6	297 171 126	4,998,100	45.43
Filling Station Chains, Total  Local chains  Provincial chains  Sectional chains	28 9 11 5 3	646 53 141 144 308	14,875,300 1,617,900 3,025,600 3,044,900 7,186,900	20.34 20.47	30 11 9 6 4	738 55 159 191 333	1,560,000 2,617,500 3,676,300	11.09 18.60 26.13

<sup>(1)</sup> Figures for 1930 have been revised to provide for the reclassification of some stores by type of operation and the use of sales figures by firms instead of individual units.

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# Table 7.--Number of Voluntary Chains, Stores, Value of Purchases and Average Purchases Per Store

A. All V	oluntary	Chains
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Year	Number of Chains	Number of Stores	Total Purchases at Wholesale Prices	Average Purchases Per Store	Index of Purchase (1930 = 10
			\$	\$	
1930	24	4,485	22,783,372	5,080	100.0
1931	29	5,456	25,220,327	4,622	110.7
1932	30	6,207	26,364,548	4,248	115.7
1953	32	6,689	28,625,065	4,279	125.6

## B. All Voluntary Food Chains

			\$	\$	
1930	23	4,472	22,720,502	5,081	100.0
1931	26	5,198	23,626,795	4,545	104.0
1932	26	5,790	25,433,064	4,392	111.9
1933	27	6,025	26,725,418	4,436	117.6

## C. Voluntary Food Chains - Type A

			\$	\$	
1930	16	4,130	21,721,851	5,197	100.0
1931	18	4,807	22,209,172	4,620	102.2
19.2	18 19	5,355 5,554	23.968,558 25,250,771	4,476 4,546	110.3

## D. Voluntary Food Chains - Type B

			4	\$	
1930	7	292	998,651	3,420	100.0
1931	8	391	1,417,623	3,626	142.0
1932	8	435	1,464,506	3,367	146.7
1933	8	471	1,474,647	3,131	147.7

