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SUGAR REFINERIES

1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

ANNUAL CENSUS OF MANUFACTURES

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1961, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

The reporting unit in the Census of Manufactures is the **establishment.** Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

Materials and supplies used,
Goods purchased for resale as such,
Fuel and power consumed,
Number of employees and their pay,
Inventories,
Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, handling, warehousing and delivery staff. Employees on new construction work, in retail or wholesale operations, on outside piece work, etc, are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included with salaries, but will be shown separately in subsequent years. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.[1]

Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

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[1] To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from $50,000 to $100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between $100,000-$500,000 value of shipments, but in the case of both the short and intermediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

SUGAR REFINERIES
1961

In the preceding pages of Explanatory Notes a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the **establishment** (reporting unit; see Explanatory Notes page 3) apply to 1961 and succeeding Annual Census of Manufactures reports. Implementation of both features has necessitated adjustments to the statistics. To maintain comparability of principal statistics for recent years a special insertion, with applied adjustments back to 1957 is shown in Table 1. With the exception of "Value added by manufacture", the basic data for Sugar Refineries are unchanged.

Sugar Refineries may:

(a) refine imported raw sugar cane, and/or
(b) process domestic grown sugar beets.

For the reporting year seven firms operated eleven refineries in Canada. Six establishments processed sugar beets and the remaining five establishments refined the imported raw sugar cane.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. It is planned to resume publication of these tables in the 1962 reports. The tables affected are the following: List of firms – Imports – Exports – Capital and Repair Expenditures.

TABLE 1. Principal Statistics of Sugar Refineries, 1925 - 61[1]

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at works of materials used	Value added by manufacture	Gross selling value of shipments[1]
	Basis: Standard Industrial Classification up to and including 1960						
	number		dollars				
1925	8	2,784	3,828,442	1,959,452	54,457,385	12,029,042	68,445,879
1926	8	2,916	3,968,140	1,767,379	48,848,507	13,654,801	64,270,687
1927	8	2,711	3,839,488	1,526,079	47,138,854	11,837,731	60,502,664
1928	8	2,381	3,671,086	1,258,392	40,551,874	10,274,889	52,085,155
1929	8	2,325	3,686,037	1,130,158	35,640,125	10,381,677	47,151,960
1930	8	2,281	3,560,260	1,092,473	30,610,701	11,232,548	42,935,722
1931	8	2,265	3,307,730	1,070,785	29,196,494	13,694,782	43,962,061
1932	8	2,140	3,147,753	1,059,808	25,716,922	14,245,859	41,022,589
1933[2]	8	2,092	3,048,817	898,140	22,846,473	13,445,347	37,189,960
1934	8	2,080	2,919,662	903,070	24,099,994	11,004,144	36,007,208
1935	8	2,134	3,086,691	964,177	25,137,568	10,496,252	36,597,997
1936	10	2,559	3,413,698	1,050,286	27,924,998	11,430,093	40,405,377
1937	10	2,332	3,318,861	951,416	29,013,057	10,951,571	40,916,044
1938	10	2,318	3,315,633	995,540	28,838,685	11,557,871	41,392,096
1939	10	2,399	3,467,367	1,089,169	33,728,967	15,078,627	49,896,763
1940	11	2,538	3,623,661	1,325,479	42,150,263	13,798,380	57,274,122
1941	11	2,642	3,834,639	1,487,848	46,067,190	14,847,671	62,402,709
1942	11	2,326	3,772,431	1,225,955	33,283,971	11,459,785	45,969,711
1943	10	2,274	4,068,473	1,191,889	38,618,832	11,429,028	51,239,749
1944	11	2,590	4,576,060	1,476,377	48,033,547	14,364,944	63,874,868
1945	11	2,713	4,860,264	1,471,412	46,518,380	13,831,651	61,821,443
1946	11	2,633	5,010,789	1,532,486	45,900,913	13,748,222	61,181,621
1947	11	3,003	6,309,481	2,106,343	63,883,259	14,204,767	80,194,369
1948	11	3,267	7,662,318	2,753,831	88,031,106	22,725,610	113,510,547
1949	11	3,587	8,842,783	2,891,954	90,172,181	23,703,295	116,767,430
1950	12	3,919	9,535,834	3,219,676	109,713,103	31,939,788	144,872,567
1951	12	3,562	10,272,939	2,840,533	107,540,497	28,728,247	139,109,277
1952	12	3,492	11,044,491	2,689,768	93,303,708	33,044,822	129,038,298
1953	12	3,388	10,958,086	2,642,586	79,588,400	35,721,466	117,952,452
1954	11	3,426	11,352,622	2,501,162	81,010,230	33,281,483	117,807,453
1955	11	3,376	11,548,086	2,532,298	87,782,720	33,002,905	119,672,837
1956	11	3,285	11,863,845	2,724,554	96,958,985	30,122,828	126,690,159
1957	11	3,306	12,133,505	3,078,050	112,378,384	40,923,833	155,022,877
1958	11	3,270	12,673,136	3,131,181	91,854,350	42,384,601	137,008,506
1959	12	3,427	13,568,028	3,134,704	88,349,828	25,936,632	125,731,305
1960	12	3,213	13,837,981	2,836,133	91,132,274	43,988,147	130,405,175

See footnotes at end of table.

TABLE 1 .Principal Statistics of Sugar Refineries, 1925 - 61[1] – Concluded

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at works of materials used	Value added by manufacture	Gross selling value of shipments[2]
	Basis: Revised Industrial Classification and New Establishment Concept						
	number		dollars				
1957							
Canada	11	3,306	12,133,505	3,078,050	112,378,384	40,771,833	155,022,877
1958							
Canada	11	3,270	12,673,136	3,131,181	91,854,350	42,575,601	137,008,506
1959							
Canada	12	3,427	13,568,028	3,134,704	88,349,828	25,637,632	125,731,305
1960							
Canada	12	3,213	13,837,981	2,836,133	91,132,274	43,988,147	130,405,175
1961							
Canada	11	3,046	13,770,344	2,684,732	86,345,969	41,365,699	133,453,375

[1] Prior to 1952 the basis of collection was gross value of production.
[2] Excise taxes are not included for 1933 and succeeding years.

Note: Profits or losses cannot be estimated from census figures as no data are collected for certain items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Comparison of Principal Statistics, 1960 and 1961

Items		1960	1961	Percentage increase or decrease
Refineries	No.	12	11	–
Employees on salaries:				
Total	"	644	589	- 8.5
Male	"	519	462	- 10.9
Female	"	125	127	+ 1.6
Total salaries	$	3,820,380	3,928,610	+ 2.8
Employees on wages—(monthly average):				
Total	No.	2,569	2,457	- 4.3
Male	"	2,262	2,185	- 3.4
Female	"	307	272	- 11.4
Total wages	$	10,017,601	9,841,734	- 1.7
Cost of fuel and electricity	$	2,836,133	2,684,782	- 5.3
Cost of materials used	$	91,132,274	86,345,969	- 5.2
Gross value of shipments	$	130,405,175	133,453,375	+ 2.3
Value added by manufacture	$	43,988,147	41,365,699	- 5.9

TABLE 3. Inventory Values, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
	dollars			
Opening[1]	16,945,095	808,467	20,098,153	37,851,715
Closing	16,590,373	803,079	17,046,616	34,440,068

[1] The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate during 1961, changes in classification and the implementation of the New Establishment Concept.

TABLE 4. Shipments of Sugar and By-Products, 1960 and 1961

Products	1960		1961	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	lb.	$	lb.	$
Sugar:				
Made from cane	1,377,171,417	102,959,232	1,400,527,560	104,747,250
Made from beets	298,111,149	21,185,198	283,674,549	21,535,122
Total sugar	**1,675,282,566**	**124,144,430**	**1,684,202,109**	**126,282,372**
Granulated	1,434,863,160	104,526,736	1,439,250,065	106,499,409
Yellow or brown	135,583,849	10,367,513	139,582,542	10,461,616
Pulverized (no starch added) / Icing (starch added)	91,168,336	7,787,128	92,303,180	7,902,467
Loaf	13,667,221	1,463,055	13,066,322	1,418,880
Molasses:				
Made from cane / Made from beet	117,834,000	1,172,995	100,688,000	1,224,837
Syrups excluding molasses / Beet pulp, wet and dried	...	5,087,750	...	5,977,495
Total value of shipments	...	**130,405,175**	...	**133,484,704**
Less:				
Adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	...	...	...	31,329
Total value of shipments adjusted	...	...	...	133,453,375

TABLE 5. Materials Used, 1960 and 1961

Materials		1960		1961	
		Quantity	Cost value at the refinery	Quantity	Cost value at the refinery
			$		$
Raw cane sugar	lb.	1,514,027,037	67,493,002	1,461,823,505	63,182,026
Sugar beets	ton	1,104,119	13,487,584	1,104,267	13,447,402
Starches including corn, wheat, etc.	lb.	2,605,300	216,814	2,187,000	173,565
Boneblack	"	3,441,924	300,177	3,047,677	307,532
Vegetable char		–	–	–	–
Infusorial earth	lb.	4,435,350	191,213	4,178,343	188,703
Lime	"	4,232,002	41,869	4,062,430	38,591
Limestone	ton	46,927	240,565	50,599	254,912
Sulphur	lb.	226,836	6,101	252,396	6,002
Sulphuric acid	"	664,068	13,299	436,113	10,558
Hydrochloric and muriatic acid	"	359,291	15,216	315,131	14,914
Phosphoric acid	"	206,691	19,058	222,490	21,073
Soda ash	"	197,360	6,980	258,835	9,457
Filtering materials, n.e.s.		...	32,589	...	37,458
Containers (boxes, bags, etc.)		...	6,640,077	...	6,286,419
All other materials including chemicals		...	155,503	...	153,692
Operating maintenance and repair supplies		–	2,272,227	–	2,213,665
Total cost of materials		...	**91,132,274**	...	**86,345,969**

TABLE 6. Quantity of Sugar Produced, by Kind, 1917-61

Year	Sugar produced					
	Total	Granulated	Yellow and brown	Pulverized (no starch added)	Icing (starch added)	Loaf
	thousand pounds					
1917	777,549	..	..			
1918	651,941	651,941	..			
1919	1,017,058	861,053	156,005			
1920	782,219	693,459	88,760			
1921	784,064	689,309	94,755			
1922	1,148,104	1,036,011	112,093			
1923	841,979	757,473	84,506			
1924	871,628	782,527	89,101		Not	
1925	1,171,497	1,042,829	128,668		collected	
1926	1,138,782	1,014,191	124,591		before	
					1935	
1927	979,133	872,054	107,079			
1928	927,617	829,851	97,766			
1929	931,901	836,707	95,194			
1930	942,858	842,287	100,571			
1931	998,139	893,128	105,011			
1932	944,499	846,067	98,432			
1933	871,590	777,289	94,301			
1934	888,763	776,061	112,702			
1935	969,018	825,806	112,693	[1]	26,424[2]	4,[illegible]
1936	1,093,291	938,229	122,286	[1]	28,128[2]	4,648
1937	1,025,553	866,977	124,587	[1]	30,082[2]	3,[illegible]
1938	1,043,463	889,338	119,879	[1]	29,948[2]	4,[illegible]
1939	1,156,587	995,145	125,238	[1]	31,649[2]	4,555
1940	1,156,807	999,037	122,715	[1]	30,753[2]	4,302
1941	1,226,753	1,051,686	132,675	[1]	36,200[2]	6,192
1942	801,119	688,709	82,640	[1]	19,385[1]	10,385
1943	870,557	756,792	84,125	[1]	20,251[1]	9,389
1944	1,017,618	876,073	101,773	3,243	24,609	11,920
1945	980,530	851,314	88,954	1,643	26,430	12,189
1946	959,945	829,298	92,319	3,755	22,723	11,850
1947	1,084,710	911,755	118,125	2,245	38,705	13,880
1948	1,358,139	1,146,985	142,339	2,176	54,296	12,433
1949	1,385,912	1,181,963	128,477	5,308	58,153	12,011
1950	1,527,950	1,323,011	131,106	4,278	58,046	11,509
1951	1,310,437	1,113,970	125,937	3,561	56,036	10,933
1952	1,421,122	1,211,115	125,176	4,938	67,798	12,095
1953	1,349,467	1,140,409	125,029	5,298	66,676	12,055
1954	1,440,651	1,220,053	131,437	7,546	69,628	11,887
1955	1,578,132	1,354,417	131,811	6,046	74,100	11,758
1956	1,552,637	1,328,921	132,067	8,248	70,718	12,683
1957	1,533,249	1,312,035	128,211	8,726	71,688	12,589
1958	1,644,568	1,417,525	130,445	[1]	83,413[2]	13,185
1959	1,628,730	1,385,045	139,162	[1]	91,458[2]	13,065
1960	1,734,701	1,480,875	144,780	[1]	94,283[2]	14,76[illegible]
1961	1,635,887	1,395,870	134,986	[1]	92,667[2]	12,164

[1] Confidential, included in "Icing (starch added)" column.
[2] Includes "Pulverized" total.

TABLE 7. Production of Sugar and Molasses from Cane and Beet, 1917-61

Year	Sugar produced			Molasses produced		
	Total	From cane	From beet	Total	From cane	From beet
	thousand pounds					
1917	777,549	..	..	..	..	..
1918	651,941	601,848	50,093	..	..	..
1919	1,017,058	979,219	37,839	..	..	..
1920	782,219	892,938	89,281	..	..	..
1921	784,064	731,202	52,862	..	..	..
1922	1,148,104	1,118,192	29,912	2,919[1]	..	..
1923	841,979	802,556	39,423	2,106[1]	..	..
1924	871,628	785,857	85,771	3,566[1]	1,724[1]	1,842[1]
1925	1,171,497	1,098,677	72,820	5,170[1]	2,887[1]	2,283[1]
1926	1,138,782	1,068,394	70,388	61,160	37,584	23,576
1927	979,133	918,164	60,969	42,769	26,310	16,459
1928	927,617	862,964	64,653	47,350	25,445	21,905
1929	931,901	862,502	69,399	46,162	25,637	20,525
1930	942,858	848,233	94,625	54,185	22,713	31,472
1931	998,139	891,000	107,139	61,855	20,491	41,364
1932	944,499	812,482	132,017	46,801	13,976	32,825
1933	871,590	740,197	131,393	37,121	9,717	27,404
1934	888,763	774,760	114,003	32,770	11,280	21,490
1935	969,018	849,160	119,858	49,199	15,193	34,006
1936	1,093,291	937,225	156,066	45,544	15,546	29,998
1937	1,025,553	905,113	120,440	28,679	11,711	16,968
1938	1,043,463	900,449	143,014	46,267	16,050	30,217
1939	1,156,587	987,267	169,320	52,955	14,938	38,017
1940	1,156,807	943,205	213,602	74,924	15,821	59,103
1941	1,226,753	1,010,874	215,879	73,511	19,655	53,656
1942	801,119	612,052	189,067	64,760	11,522	53,238
1943	870,557	741,289	129,268	53,150	15,613	37,537
1944	1,017,618	852,299	165,319	57,579	18,262	39,317
1945	980,530	816,692	163,838	63,490	17,882	45,608
1948	959,945	754,165	205,780	69,646	13,808	55,838
1947	1,084,710	928,447	156,263	65,406	18,526	46,880
1948	1,358,139	1,182,498	175,641	67,704	23,552	44,152
1949	1,385,912	1,161,058	224,854	90,832	21,678	69,154
1950	1,527,950	1,227,765	300,185	94,794	19,626	75,168
1951	1,310,437	1,062,684	247,753	90,220	14,794	75,426
1952	1,421,122	1,122,877	298,245	92,202	19,710	72,492
1953	1,349,467	1,103,991	245,476	81,304	14,998	66,306
1954	1,440,551	1,208,476	232,075	82,930	20,162	62,768
1955	1,578,132	1,303,615	274,517	80,582	18,824	61,758
1956	1,552,637	1,306,015	246,622	82,494	15,832	66,662
1957	1,533,249	1,271,565	261,684	100,962	[2]	[2]
1958	1,644,568	1,304,689	339,879	109,352	[2]	[2]
1959	1,528,730	1,357,413	271,317	135,952	[2]	[2]
1960	1,734,701	1,426,371	308,330	113,580	[2]	[2]
1961	1,635,688	1,377,851	257,837	105,916	[2]	[2]

[1] Gallons.
[2] Confidential; withheld in accordance with the restrictive clauses of the Statistics Act.

TABLE 8. Production of Sugar Beets and Beet Sugar, 1918-61

Year	Sugar beets[1]					Refined beet sugar	
	Acres harvested	Total yield	Yield per acre	Total value	Average value per ton	Quantity produced	Percentage to total sugar produced
	No.	tons	tons	$'000	$	'000 lb.	%
1918	18,000[2]	180,000	10.00	1,845	10.25	50,093	7.7
1919	24,000[2]	240,000	9.80	2,606	19.86	37,839	3.7
1920	36,000[2]	412,000	11.37	5,279	12.80	89,281	11.4
1921	28,000[2]	268,000	9.45	1,742	6.50	52,862	6.7
1922	21,000[2]	190,000	9.19	1,500	7.88	29,912	2.6
1923	22,000[2]	216,000	9.63	1,401	6.48	39,423	4.7
1924	36,000[2]	334,000	9.26	2,268	6.79	85,771	9.8
1925	43,000[2]	459,000	10.64	2,794	6.09	72,820	6.2
1926	47,000[2]	508,000	10.88	3,350	6.59	70,388	6.2
1927	43,000[2]	370,000	8.62	2,881	7.79	60,969	6.2
1928	50,000[2]	418,000	8.27	3,018	7.23	64,653	7.0
1929	45,000[2]	366,000	8.10	2,458	6.72	69,399	7.4
1930	52,000[2]	467,000	9.05	3,209	6.87	94,625	10.0
1931	43,000[2]	436,000	10.06	2,663	6.11	107,139	10.7
1932	45,000[2]	506,000	11.28	3,097	6.12	132,017	14.0
1933	44,000[2]	442,000	10.14	2,784	6.29	131,393	15.1
1934	38,000[2]	413,000	10.72	2,328	5.64	114,003	12.8
1935	52,000[2]	459,000	8.84	2,501	5.45	119,858	13.4
1936	50,000	556,000	11.02	3,233	5.62	156,066	14.3
1937	44,000	422,000	9.65	2,492	5.90	120,440	11.7
1938	45,000	498,000	11.04	3,286	6.60	143,014	13.1
1939	57,000	586,000	10.23	4,430	7.55	169,320	14.6
1940	78,000	825,000	10.65	5,612	6.80	213,602	18.5
1941	63,999	711,923	11.12	5,405	7.59	215,879	17.6
1942	62,381	715,524	11.47	6,053	8.46	189,067	23.6
1943	52,719	474,378	9.00	4,980	10.50	129,268	14.8
1944	55,021	566,294	10.29	6,283	11.09	165,319	16.2
1945	59,283	618,785	10.44	6,567	10.61	163,838	16.7
1946	66,619	735,850	11.05	9,196	12.50	205,780	21.4
1947	58,405	605,759	10.37	8,685	14.34	156,263	14.4
1948	60,065	629,206	10.48	9,202	14.62	175,641	12.9
1949	84,216	858,727	10.20	11,749	13.66	224,854	16.2
1950	101,496	1,115,654	10.99	18,299	16.40	300,185	19.6
1951	92,920	965,433	10.39	14,440	14.96	247,753	18.9
1952	92,588	1,022,884	11.05	15,493	15.15	298,245	20.9
1953	81,949	900,347	10.99	12,061	13.40	245,476	18.2
1954	90,453	1,003,869	11.10	12,107	12.06	232,075	16.1
1955	81,908	981,014	11.98	13,170	13.42	274,517	17.4
1956	78,786	892,872	11.33	15,470	17.33	246,622	15.9
1957	83,743	1,053,564	12.58	13,948	13.24	261,684	17.0
1958	97,800	1,324,870	13.55	19,177	14.47	339,879	20.6
1959	90,453	1,239,518	13.70	15,842[3]	12.78[3]	271,317	16.6
1960	86,128	1,098,673	12.76	15,778	14.36	308,329	17.8
1961	84,927	1,105,706	13.02	14,515[3]	13.13	287,887	16.9

[1] Sugar beet statistics from Agriculture Division.
[2] For 1918 to 1935, this is the number of acres seeded, which is slightly higher than harvested acreage.
[3] Based on estimated total payments.

TABLE 9. Production workers, by Months, 1961

	Male	Female	Total
	number		
January	1,743	198	1,941
February	1,786	223	2,009
March	1,731	241	1,972
April	1,827	256	2,083
May	1,883	281	2,164
June	1,921	273	2,194
July	1,952	244	2,196
August	1,980	277	2,257
September	2,674	326	3,000
October	3,389	341	3,730
November	3,043	330	3,373
December	2,275	268	2,543
Monthly averages	**2,185**	**272**	**2,457**

TABLE 10. Employees and their Earnings, 1960 and 1961

	Supervisory and office employees			Production workers			Total employees		Total earnings
	Male	Female	Total salaries	Male	Female	Total wages	Male	Female	Salaries and wages
	number		$	number		$	number		$
1960									
Canada	519	125	3,820,380	2,262	307	10,017,601	2,781	432	13,837,981
1961									
Canada	462	127	3,928,610	2,185	272	9,841,734	2,647	399	13,770,344

TABLE 11. Principal Statistics of Sugar Refineries grouped by Shipment Size, 1960 and 1961

Shipment size	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1960						
Under $10,000,000	7	961	3,981,002	995,119	15,650,570	24,462,064
$10,000,000 and over	5	2,252	9,856,979	1,841,014	75,481,704	105,943,111
Totals	**12**	**3,213**	**13,837,981**	**2,836,133**	**91,132,274**	**130,405,175**
1961						
Under $10,000,000	6	822	3,304,889	979,644	15,615,600	24,432,254
$10,000,000 and over	5	2,224	10,465,455	1,705,138	70,730,369	109,021,121
Totals	**11**	**3,046**	**13,770,344**	**2,684,782**	**86,345,969**	**133,453,375**

TABLE 12. Refined Cane and Beet Sugar Used by Manufacturing Industries

(See also chart below)

Principal industries using sugar	1954	1955	1956	1957	1958	1959[1]	1960
	thousand pounds						
Soft drink manufacturers	130,835	151,588	156,447	171,242	176,281	177,490	180,636
Fruit and vegetable canners and preservers	123,326	136,421	131,796	134,757	146,729	143,739	156,447
Confectionery manufacturers	109,398	109,850	121,972	125,164	132,028	120,225	129,327
Bakeries	108,300	106,008	110,249	118,160	119,893	112,240	114,272
Miscellaneous food industries	70,254	73,818	77,171	77,341	81,966	83,188	91,002
Biscuit manufacturers	55,857	56,683	61,524	58,145	58,308	57,186	58,824
Other industries	50,440	58,642	65,355	81,296	86,458	89,904	75,620
Grand totals	**648,410**	**693,010**	**724,514**	**766,105**	**801,663**	**783,972**	**806,128**

[1] Beginning in 1959 firms reporting on short forms were not required to report sugar used. Therefore these figures are not comparable with 1958 and previous years.

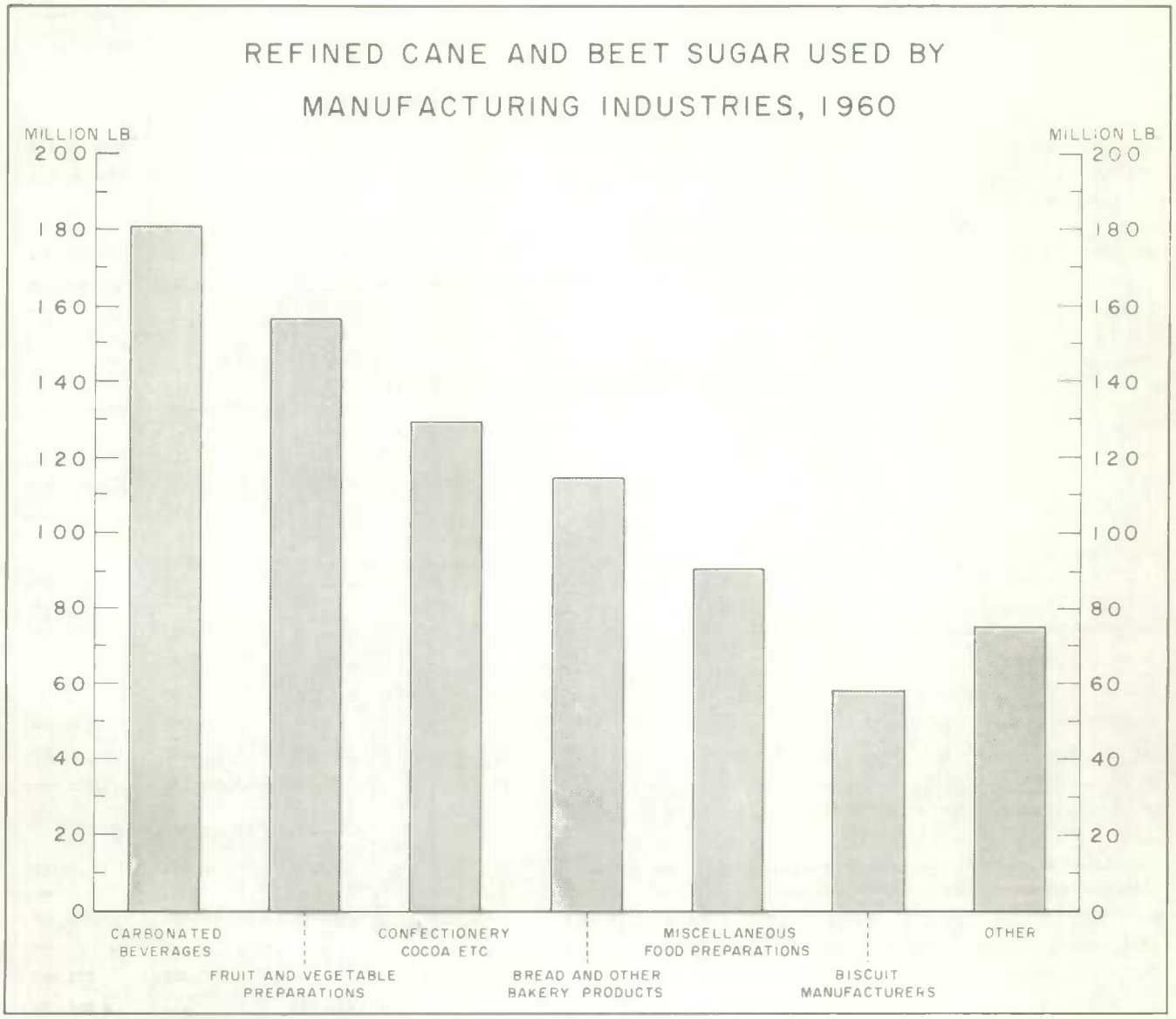

TABLE 13. Principal Statistics of Sugar Refineries grouped according to the Number of Employees, 1960 and 1961

Employee groups	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1960						
Under 199 employees	8	1,136	4,810,035	1,162,761	23,062,424	34,967,185
200 employees and over	4	2,077	9,027,946	1,673,372	68,069,850	95,437,990
Totals	**12**	**3,113**	**13,837,981**	**2,836,133**	**91,132,274**	**130,405,175**
1961						
Under 199 employees	7	998	4,091,687	1,175,642	24,306,981	38,463,000
200 employees and over	4	2,048	9,678,657	1,509,140	62,038,988	94,990,375
Totals	**11**	**3,046**	**13,770,344**	**2,684,782**	**86,345,969**	**133,453,375**

TABLE 14. Principal Statistics of Sugar Refineries grouped according to Type of Ownership, 1960 and 1961

Type of ownership	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1960						
Incorporated companies	12	3,213	13,837,981	2,836,133	91,132,274	130,405,175
Totals	12	3,213	13,837,981	2,836,133	91,132,274	130,405,175
1961						
Incorporated companies	11	3,046	13,770,344	2,684,782	86,345,969	133,453,375
Totals	**11**	**3,046**	13,770,344	**2,684,782**	**86,345,969**	**133,453,375**

TABLE 15. Fuel Consumption, 1960 and 1961

Kind		1960		1961	
		Quantity	Cost at plant	Quantity	Cost at plant
			$		$
Bituminous coal:					
(a) From Canadian mines	ton	7,423	86,403	9,849	114,455
(b) Imported	"	48,244	500,276	33,836	351,288
Sub-bituminous coal (from Alberta mines only)	"	14,470	56,843	14,703	59,356
Anthracite coal		—	—	—	—
Lignite coal		—	—	—	—
Coke (for fuel only)	ton	4,216	86,444	3,989	82,909
Gasoline	Imp. gal.	104,133	35,266	116,451	42,879
Fuel oil including kerosene or coal oil	"	18,227,942	1,119,939	16,460,702	1,015,444
Wood (cords of 128 cubic feet of piled wood)	cord	5	100	5	100
Gas:					
(a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	17,522	6,035	22,417	7,641
(b) Other manufactured gas		—	—	—	—
(c) Natural gas	M cu. ft.	2,124,346	708,301	2,412,226	774,816
Other fuel		—	—	—	—
Electricity purchased	kwh.	22,581,470	236,526	21,857,282	235,894
Totals		...	**2,836,133**	...	**2,684,782**

TABLE 16. Prices of Sugar at Montreal from Factory to Wholesaler for Specified Months

(Compiled by the Prices Division)

	January	April	July	October
	dollars			
Sugar granulated, standard, per cwt.:				
1960	6.95	7.10	7.25	7.30
1961	7.25	7.20	7.30	6.85
Sugar, yellow, No. 2, per cwt.:				
1960	6.70	6.85	7.00	7.05
1961	6.90	6.95	7.05	6.85

TABLE 17. Per capita Consumption of Refined Sugar[1]

(See also Table 18)

Year	Per capita consumption	Year	Per capita consumption
	pounds		pounds
1918	..	1940	100.52
1919	..	1941	102.63
1920	..	1942	80.78
1921	85.13	1943	76.68
1922	90.14	1944	87.71
1923	83.67	1945	75.41
1924	88.94	1946	77.49
1925	92.52	1947	92.11
1926	91.31	1948	101.23
1927	87.30	1949	101.86
1928	93.70	1950	103.50
1929	91.33	1951	97.46
1930	94.78	1952	98.25
1931	93.02	1953	95.91
1932	87.50	1954	95.25
1933	78.92	1955	97.05
1934	86.06	1956	97.91
1935	87.92	1957	92.78
1936	90.34	1958	94.83
1937	95.67	1959	95.31
1938	95.37	1960[2]	93.29
1939	103.79	1961	90.42

[1] This series covers sugar only. No attempt has been made to convert imports and exports of confectionery, etc. to sugar.
[2] See footnote 1, Table 12.

TABLE 18. Refined Sugar: Stocks, Production, Imports, Exports and Consumption

Year	Stocks held by refiners January 1	Production	Imports	Exports	Stocks held by refiners December 31	Consumption[1]		Industrial consumption	Available for household and institutional consumption[1]
						Total	Per capita		
	thousand pounds						pounds	thousand pounds	
1939	255,074	1,156,587	7,990	1,804	248,461	1,169,386	103.79	333,397	835,989
1945	146,472	980,530	11,386	44,781	183,232	910,375	75.41	342,351	568,024
1954	294,032	1,440,551	3,362	628	281,241	1,456,076	95.25	648,410	807,666
1955	281,241	1,578,132	7,281	2,303	340,878	1,523,473	97.05	693,010	830,463
1956	340,878	1,552,637	5,026	1,261	322,861	1,574,419	97.91	724,514	849,905
1957	322,861	1,533,249	28,818	1,841	343,854	1,539,233	92.78	766,105	773,128
1958	343,854	1,644,568	7,975	1,495	378,088	1,616,814	94.83	801,663	815,151
1959	378,088	1,628,730	1,308	1,442	344,238	1,662,446	95.31	783,972[2]	878,474
1960	344,238	1,734,701	598	7,635	409,939	1,661,963	93.29	806,126	855,835
1961	409,939	1,635,687	8,530	16,070	389,058	1,649,028	90.42	..	..

[1] Wholesalers and retailers stocks not available.
[2] See footnote 1, Table 12.