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THE SUGAR REFINING INDUSTRY

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
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- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part III, Foods and Beverages. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review, 25¢
- B — The Slaughtering and Meat Packing Industries, 25¢
- C — The Dairy Products Industry, 25¢
- D — The Fish Processing Industry, 25¢
- E — The Fruit and Vegetable Preparations Industry, 25¢
- F — The Flour Milling Industry, 25¢
- G — The Prepared Breakfast Foods Industry, 25¢
- H — The Feeds Industry, 25¢
- I — The Biscuit Industry, 25¢
- J — The Bread and Other Bakery Products Industry, 25¢
- K — The Carbonated Beverages Industry, 25¢
- L — The Distilling Industry, 25¢
- M — The Brewing Industry, 25¢
- N — The Wine Industry, 25¢
- O — The Confectionery Industry, 25¢
- P — The Sugar Refining Industry, 25¢
- Q — The Macaroni and Kindred Products Industry, 25¢
- R — The Miscellaneous Food Preparations Industry, 25¢
- S — The Canned Foods Summary, 25¢

THE SUGAR REFINING INDUSTRY

1957

The Sugar Refining Industry comprises two divisions: the refining of imported raw cane sugar; and the processing of Canadian-grown sugar beets into refined sugar. At present there are seven firms operating eleven establishments in Canada, four of which are refining cane sugar and seven processing sugar beets.

The value of output in this Industry is based on production up to 1951 and on plant shipments from 1952 to the present. Value of production can be computed beginning in 1954 by using the inventory values which are now collected. See Table 14 for 1957 Inventories and Table 4 for change in inventories, previous years.

The gross selling value of shipments amounted to \$155,022,877 in 1957, which is \$28,332,718 more than the value of shipments in 1956. Accompanying this increase in value of shipments, cost factors such as salaries and wages and raw materials also increased. Salaries and wages in 1957 were \$12,133,505 compared to \$11,863,845 in 1956 while the cost of raw materials at the plant which had been \$96,958,985 in 1956 rose to \$112,378,384 in the present year.

Although the dollar value of sales has increased by approximately 22%, the physical volume of production of the industry decreased 1.2%. Volume of all sugar production declined to 1,533 million pounds compared to 1,553 million pounds in 1956. The total production of molasses in the same period increased approximately 18 million pounds to 100,962,000 pounds in 1957. Average price of sugar at the plant increased from 7.8 cents per pound in 1956 to 9.9 cents in 1957. The price of molasses increased from 1.2 cents per pound to 1.5 cents in 1957. (See Table 5).

Value added by manufacture (net value) is shown in column 6, Table 1 and in Table 4. From 1917 to 1951, the value added by manufacture is computed by subtracting the cost of fuel and elec-

tricity and cost of materials from the gross value of production. In 1952 and 1953 value of production was not available and value of shipments was used. In 1954 gross selling value of shipments, plus or minus the increase or decrease in finished goods inventory equals gross value of production. From this point, value added by manufacture may be obtained in a manner similar to the period 1917 to 1953. Data prior to 1924 are not strictly comparable because statistics on the cost of electricity are not available.

The production of beet sugar is tied in with the growing of sugar-beets in certain areas in Southern Alberta, Manitoba, Ontario and Quebec. Firms engaged in making beet sugar contract for acreage to meet their requirements each year. Since the growing of beets is dependent on weather conditions, the quantity of harvested crop varies from year to year, as does the amount of sucrose in the beets. The year of highest beet sugar production was in 1950 when the number of acres of sugar beets harvested was the highest on record. The percentage of beet sugar to total sugar produced in Canada was 17.0% in 1957. The highest ratio ever reached was in 1942 when 23.6% of all sugar was made from beets. During the war years, when consumption of sugar was under control, the percentage of beet sugar to total sugar produced was higher than in previous years. After the war, when ships again became available for bringing in raw cane sugar, this percentage dropped.

Detailed statistics of production, materials used, employment, etc., are given in the tables following. In order that there should be no disclosure of statistical information of individual plants, statistics are prepared for the Dominion only.

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

FOODS AND BEVERAGES

TABLE 1. Principal Statistics of the Sugar Refining Industry, 1917-1957¹

Year	Establishments	Employees	Salaries and wages	Fuel and electricity ²	Cost at works of materials used	Value added by manufacture ³	Gross selling value of shipments ⁴
	No.	No.	\$	\$	\$	\$	\$
1917	8	2,527	2,324,828	1,423,899 ²	53,179,911	6,825,977	61,429,787
1918	8	2,558	2,626,889	1,560,218 ²	45,403,037	11,848,964	58,812,219
1919	8	3,491	4,177,894	2,073,315 ²	86,308,204	14,248,567	102,630,086
1920	8	3,118	4,632,814	2,807,672 ²	103,689,088	12,589,971	119,086,731
1921	7	2,469	3,182,894	1,810,176 ²	56,882,242	10,817,409	69,509,827
1922	7	2,745	3,265,972	1,918,987 ²	56,093,942	12,809,853	70,822,782
1923	7	2,393	3,329,662	1,510,367 ²	61,817,862	13,675,797	77,004,026
1924	7	2,387	3,399,626	1,414,339 ²	55,071,573	10,806,210	67,292,122
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	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	7,682,318	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	116,787,430
1950	12	3,919	9,535,834	3,219,678	109,713,103	31,939,788	144,872,567
1951	12	3,562	10,272,939	2,840,533	107,540,497	26,728,247	139,109,277
1952	12	3,492	11,044,491	2,689,768	93,303,708	33,044,822	129,038,298 ⁴
1953	12	3,388	10,958,086	2,642,586	79,588,400	35,721,466	117,952,452 ⁴
1954	11	3,426	11,352,622	2,501,162	81,010,230	33,281,483	117,807,453 ⁴
1955	11	3,376	11,548,086	2,532,298	87,782,720	33,002,905	119,672,837 ⁴
1956	11	3,285	11,863,845	2,724,554	96,958,985	30,122,828	128,690,159 ⁴
1957	11	3,306	12,133,505	3,078,050	112,378,384	40,923,833	155,022,877 ⁴

¹ Excise taxes are not included for 1933 and succeeding years.² Electricity is not included 1917 to 1924 inclusive.³ For method of computing see text page 3 and Table 4.⁴ Beginning in 1952 the gross value of production is replaced by gross value of shipments, f.o.b. plant. (See text page 3).

TABLE 2. Comparison of Principal Statistics, 1956 and 1957

Items		1956	1957	Percentage increase or decrease
Refineries	No.	11	11	-
Employees on salaries:				
Total	No.	601	549	- 8.6
Male	"	484	443	- 8.5
Female	"	117	106	- 9.4
Total salaries	\$	2,970,974	2,796,130	- 5.9
Employees on wages—(monthly average):				
Total	No.	2,684	2,757	+ 2.7
Male	"	2,452	2,502	+ 2.0
Female	"	232	255	+10.0
Total wages	\$	8,892,871	9,337,375	+ 5.0
Cost of fuel and electricity	\$	2,724,554	3,078,050	+12.9
Cost of materials used	\$	96,958,985	112,378,384	+15.9
Gross value of shipments	\$	126,690,159	155,022,877	+22.4
Value added by manufacture	\$	30,122,828	40,923,833	+35.8

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 3. Inventory Values, 1957

—	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
	\$	\$	\$	\$
Opening	11,804,716	449,121	26,144,511	38,398,348
Closing	13,533,451	397,026	27,553,996	41,484,473

TABLE 4. Method of Computing Value Added, 1951-1957
(Values rounded to thousands)

Year	Value of factory shipments	Change in inventory	Value of production	Cost of materials	Cost of fuel and electricity	Value added by manufacture
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1951 ¹	—	—	139,109	107,540	2,841	28,728
1952	129,038	—	—	93,304	2,690	33,045
1953	117,952	—	—	79,588	2,843	35,721
1954	117,807	-1,015	116,793	81,010	2,501	33,281
1955	119,673	+3,645	123,318	87,783	2,532	33,003
1956	126,690	+3,116	129,806	96,959	2,725	30,123
1957	155,023	+1,355	156,380	112,378	3,078	40,924

¹ Previous years were computed as in 1951.

TABLE 5. Shipments of Sugar and By-Products, 1952-1957
(See Tables 7 and 8 for Production)

		1952	1953	1954	1955	1956	1957
Sugar:							
Made from cane	'000 lb.	1,118,484	1,108,462	1,191,790	1,277,825	1,287,682	1,274,769
	\$'000	99,206	88,449	89,497	95,749	98,501	125,093
Made from beets	'000 lb.	256,976	284,900	276,820	239,576	274,807	243,248
	\$'000	25,023	25,475	24,059	20,376	23,969	24,486
Total sugar	'000 lb.	1,375,460	1,383,382	1,468,610	1,517,401	1,562,469	1,518,015
	\$'000	124,229	113,824	113,556	116,125	122,470	148,578
Granulated	'000 lb.	1,169,199	1,187,801	1,248,625	1,293,932	1,337,215	1,298,661
	\$'000	104,961	96,812	96,047	98,644	104,338	125,995
Yellow or brown	'000 lb.	126,068	123,609	131,738	130,944	130,986	124,923
	\$'000	10,925	9,530	9,551	9,392	9,637	12,748
Pulverized (no starch added)	'000 lb.	3,450	3,513	6,275	6,565	7,505	8,540
	\$'000	338	300	508	542	626	884
Icing (starch added)	'000 lb.	64,966	66,599	70,104	73,758	73,486	73,117
	\$'000	6,616	6,025	6,221	6,291	6,470	8,111
Loaf	'000 lb.	11,777	11,840	11,868	12,202	13,297	12,774
	\$'000	1,389	1,257	1,229	1,256	1,399	1,841
Molasses:							
Made from cane	'000 lb.	19,272	17,126	18,776	21,390	13,132	1
	\$'000	331	268	252	234	278	1
Made from beet	'000 lb.	67,000	63,904	70,554	58,760	68,372	1
	\$'000	1,157	665	731	542	690	1
Total molasses	'000 lb.	86,272	81,036	89,330	80,150	81,504	98,520
	\$'000	1,488	933	983	776	968	1,461
Syrups excluding molasses	'000 lb.	8,956	9,670	14,834	14,650	17,064	17,584
	\$'000	868	873	1,288	708	1,494	1,812
Beet pulp, wet and dried	ton	108,509	136,543	126,656	127,767	116,331	131,599
	\$'000	2,453	2,222	1,980	2,064	1,758	2,171
Total value of shipments	\$'000	129,838	117,952	117,807	119,673	126,690	155,023

¹ Included in total

TABLE 6. Materials Used

Materials	1956		1957		
	Quantity	Cost value at the refinery	Quantity	Cost value at the refinery	
		\$		\$	
Raw cane sugar	lb.	1,347,487,803	73,514,345	1,305,204,637	88,063,491
Sugar beets	ton	667,492	14,761,218	1,054,521	15,609,445
Cornstarch	lb.	2,201,963	176,954	2,180,780	176,814
Boneblack	"	2,706,834	245,760	3,127,005	265,608
Vegetable char	"	—	—	—	—
Infusorial earth	"	4,391,505	165,026	4,519,405	174,677
Lime	"	5,191,711	50,307	5,292,089	52,772
Limestone	ton	41,162	189,434	53,775	247,245
Sulphur	lb.	279,697	9,143	287,405	9,020
Sulphuric acid	"	677,220	13,081	708,102	14,884
Hydrochloric and muriatic acid	"	295,855	13,688	306,988	14,036
Phosphoric acid	"	147,883	13,459	150,200	14,289
Soda ash	"	346,430	10,556	328,410	10,492
Filtering materials, n.e.s.	—	—	25,750	—	29,610
Containers (boxes, bags, etc.)	—	—	6,042,339	—	5,864,878
All other materials including chemicals	—	—	65,789	—	156,184
Operating maintenance and repair supplies	—	—	1,662,136	—	1,675,139
Total cost of materials ¹	—	—	96,958,985	—	112,378,384

¹ Does not include office supplies which amounted to \$64,478 in 1956 and \$61,448 in 1957.

TABLE 7. Quantity of Sugar Produced, by Kind, 1917-1957
(See Table 5 for Shipments)

Year	Sugar produced					
	Total	Granulated	Yellow and brown	Pulverized (no starch added)	Icing (starch added)	Loaf
thousand pounds						
1917	777,549	1	1			
1918	651,941	651,941	1			
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			
1925	1,171,497	1,042,829	128,668			
1926	1,138,782	1,014,191	124,591			
						Not collected 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			
1936	1,093,291	938,229	122,286			
						26,424 ² 4,095
						28,128 ² 4,648
1937	1,025,553	866,977	124,587			30,082 ² 3,907
1938	1,043,463	689,338	119,879	Included		29,948 ² 4,298
1939	1,156,587	995,145	125,238	with		31,649 ² 4,555
1940	1,156,807	999,037	122,715	Icing		30,753 ² 4,302
1941	1,226,753	1,051,686	132,675			36,200 ² 6,192
1942	801,119	688,709	82,640			19,385 ² 10,385
1943	870,557	758,792	84,125			20,251 ² 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		28,430 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	1,161,963	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	132,087	6,248		70,718 12,683
1957	1,533,249	1,312,035	128,211	8,726		71,688 12,589

¹ Not available.² Includes pulverized sugar.

FOODS AND BEVERAGES

TABLE 8. Production of Sugar and Molasses from Cane and Beet, 1917-1957
(See Table 5 for Shipments)

Year	Sugar produced			Molasses produced		
	Total	From cane	From beet	Total	From cane	From beet
thousand pounds						
1917	777,549	1	1	1	1	1
1918	651,941	601,846	50,093	1	1	1
1919	1,017,056	979,219	37,839	1	1	1
1920	782,219	692,938	89,281	1	1	1
1921	764,064	731,202	52,862	1	1	1
1922	1,148,104	1,118,192	29,912	2,919 ¹	1	1
1923	841,979	802,556	39,423	2,106 ²	1	1
1924	871,628	785,857	85,771	3,566 ²	1,724 ²	1,842 ²
1925	1,171,497	1,098,677	72,820	5,170 ²	2,887 ²	2,283 ²
1926	1,138,782	1,068,394	70,386	61,160	37,564	23,576
1927	979,133	918,184	60,969	42,769	26,310	16,459
1928	927,817	862,964	64,653	47,350	25,445	21,905
1929	931,901	862,502	69,399	46,182	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	888,783	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	19,855	53,656
1942	801,119	612,052	189,067	84,760	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	163,638	83,490	17,882	45,608
1946	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	21,878	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	1,208,478	232,075	82,930	20,162	62,788
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	1	1

¹ Not available.² Gallons.

* Confidential in accordance with the Statistics Act.

TABLE 9. Production of Sugar Beets and Beet Sugar, 1918-1957

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	8.7
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	3,016	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	10.08	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	12.4
1936	50,000	556,000	11.02	3,233	5.82	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	8.60	143,014	13.7
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	213,802	18.5
1941	63,999	711,923	11.12	5,405	7.59	215,879	17.6
1942	82,381	715,524	11.47	6,053	8.46	189,067	23.6
1943	52,719	474,378	9.00	4,980	10.50	128,268	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	183,838	16.7
1946	86,619	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	13.68	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	83,744	1,053,588	12.58	14,345 ³	13.62 ⁴	261,684	17.0

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.

FOODS AND BEVERAGES

TABLE 10. Production Workers, by Months, 1956 and 1957

Months	1956		1957		Months	1956		1957	
	Male	Female	Male	Female		Male	Female	Male	Female
number									
January	2,086	219	1,977	222	August	2,267	231	2,160	230
February	1,895	205	2,034	227	September	3,080	301	3,020	301
March	2,002	218	2,001	222	October	3,782	301	3,876	321
April	2,095	209	2,040	223	November	3,329	261	3,747	357
May	2,212	211	2,080	230	December	2,497	226	2,780	280
June	2,234	209	2,171	219	Monthly average	2,452	232	2,502	255
July	1,942	173	2,136	218					

TABLE 11. Employees and their Earnings, 1939-1957

Year	Average number						Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total	
	Male	Female	Male	Female					
number									
1939	346	60	1,888	105	2,399	1,187,767	2,279,600	3,467,367	
1949	399	118	2,783	287	3,587	1,883,882	6,958,901	8,842,783	
1950	411	127	3,101	280	3,919	2,082,131	7,473,703	9,535,834	
1951	435	131	2,747	249	3,562	2,339,926	7,933,013	10,272,939	
1952	486	100	2,640	268	3,492	2,513,602	8,530,889	11,044,491	
1953	478	105	2,538	267	3,388	2,897,639	8,260,447	10,958,086	
1954	509	109	2,550	258	3,426	2,832,692	8,519,930	11,352,622	
1955	512	99	2,526	239	3,378	2,749,739	8,798,347	11,548,086	
1956	484	117	2,452	232	3,285	2,970,974	8,892,871	11,863,845	
1957	443	106	2,502	255	3,308	2,796,130	9,337,375	12,133,505	

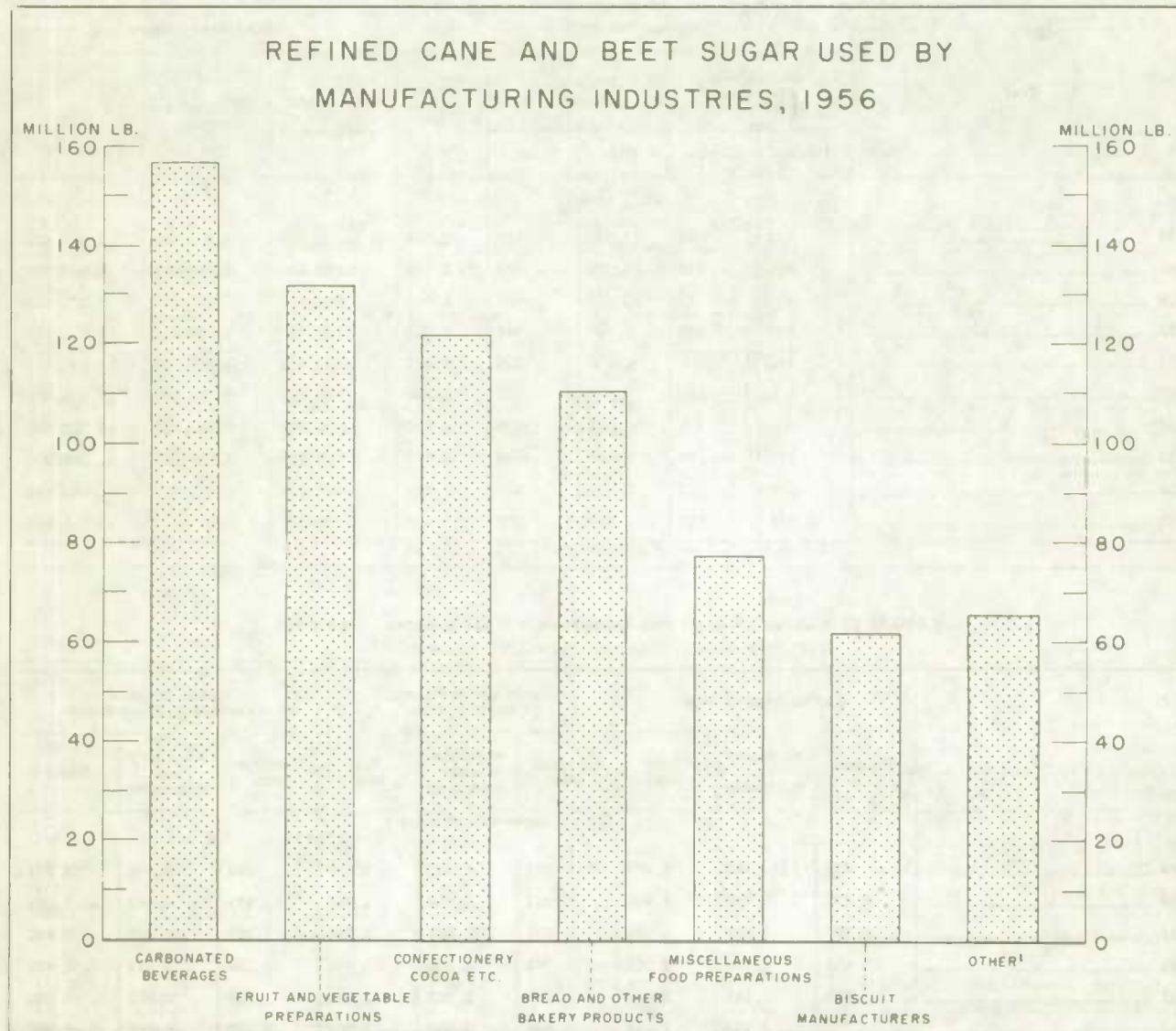
TABLE 12. Capital, Repair and Maintenance Expenditures, 1949-1957

(Figures prepared in General Assignments Division)

	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
thousands of dollars									
1949	315	1,145	1,460	291	1,823	2,114	606	2,968	3,574
1950	2,174	2,786	4,960	287	2,056	2,343	2,461	4,842	7,303
1951	1,200	1,958	3,158	395	2,399	2,794	1,595	4,357	5,952
1952	691	2,374	3,065	568	2,858	3,426	1,259	5,232	6,491
1953	707	1,345	2,052	591	2,507	3,098	1,298	3,852	5,150
1954	718	1,701	2,419	489	2,380	2,869	1,207	4,081	5,288
1955	1,028	1,328	2,354	458	2,467	2,925	1,484	3,795	5,279
1956	2,723	2,462	5,185	333	2,461	2,794	3,056	4,923	7,979
1957	5,191	5,195	10,388	509	2,934	3,443	5,700	8,129	13,829

TABLE 13. Refined Cane and Beet Sugar Used by Manufacturing Industries
(See also chart below)

Principal industries using sugar	1951	1952	1953	1954	1955	1956
thousand pounds						
Carbonated beverages	117,378	133,155	137,880	130,835	151,588	156,447
Fruit and vegetable preparations	110,596	109,616	120,863	123,326	136,421	131,796
Confectionery, cocoa, etc.	95,747	113,728	109,407	109,398	109,850	121,972
Bread and other bakery products	86,074	93,195	102,902	108,300	106,008	110,249
Miscellaneous food preparations	48,435	54,645	62,783	70,254	73,818	77,171
Biscuit manufacturers	49,922	54,405	55,509	55,857	56,683	61,524
Other ¹	66,459	57,840	60,597	50,440	58,642	65,355
Grand total	574,611	616,582	649,941	648,410	693,010	724,514



¹ Includes butter and cheese; breakfast foods; condenseries; dairy products; i.e.s., including ice cream; medicinal and pharmaceutical preparations; process cheese; breweries; wineries, and others.

TABLE 14. Exports-Sugar, Molasses and Beet Pulp, 1949-1957

Year	Molasses and syrups, n.o.p.		Sugar, n.o.p.		Beet pulp	
	gal.	\$	cwt.	\$	cwt.	\$
1949	1,504,692	319,515	16,899	117,844	234,284	574,646
1950	2,010,272	400,406	210,040	1,549,258	247,967	570,474
1951	2,768,000	836,592	23,734	184,395	554,621	1,628,143
1952	2,236,645	416,809	106,384	729,670	442,173	1,319,303
1953	2,195,332	322,914	46,003	270,926	390,648	971,383
1954	1,967,466	293,107	6,285	38,413	271,504	555,465
1955	634,707	197,038	23,032	130,521	233,198	551,133
1956	1,522,521	249,197	12,612	74,824	188,655	424,138
1957	1,278,096	248,397	18,413	92,649	387,811	817,057

TABLE 15. Imports of Sugar, Molasses, etc., 1949-1957

Year	Sugar, raw, for sugar refiners		Sugar, raw, n.o.p.		Sugar, refined		
	cwt.	\$	cwt.	\$	cwt.	\$	
1949	12,360,630	65,624,413	84,938	501,528			
1950	12,655,393	76,409,211	126,499	799,078	Not collected		
1951	10,664,144	75,395,230	261,378	1,705,104			
1952	11,733,231	58,766,492	131,070	779,281	338,705	1,904,397	
1953	11,188,127	46,547,494	200,384	943,206	241,434	1,198,109	
1954	12,854,873	50,501,669	240,802	1,017,809	33,621	182,052	
1955	13,284,390	51,370,925	231,417	941,474	72,811	333,905	
1956	14,077,071	54,820,068	242,205	1,007,806	50,262	236,777	
1957	13,310,188	74,341,410	217,882	1,290,930	288,184	1,665,290	
		Molasses for human consumption	Molasses of cane, n.o.p.		Syrups of cane or beet, n.o.p.		
		gal.	\$	cwt.	\$	gal.	\$
1955	8,719,638	2,744,786	7,908,212	901,548	60,593	58,074	
1956	3,244,053	1,836,036	12,678,659	1,782,659	33,470	42,548	
1957	3,237,594	1,756,968	11,414,085	2,772,552	35,907	45,934	

TABLE 16. Fuel Consumption, 1956 and 1957

Kind	1956		1957		
	Quantity	Cost at plant	Quantity	Cost at plant	
Bituminous coal:		\$		\$	
(a) From Canadian mines	ton	26,587	161,306	29,062	167,128
(b) Imported	"	73,221	718,834	78,095	811,242
Sub-bituminous coal (from Alberta mines only)	"	15,228	54,709	17,645	65,037
Anthracite coal	"	—	—	—	—
Lignite coal	"	—	—	—	—
Coke (for fuel only)	"	3,670	72,330	5,746	118,307
Gasoline	imp. gal.	98,447	33,870	91,543	32,584
Kerosene or coal oil	"	1,939	539	5,973	1,762
Fuel oil	"	16,140,119	1,366,340	15,018,203	1,373,657
Wood (cords of 128 cubic feet of piled wood)	cord	4	68	5	85
Gas:					
(a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	9,068	2,672	9,127	3,393
(b) Other manufactured gas	M. cu. ft.	232	305	362	372
(c) Natural gas	"	618,417	133,127	1,027,149	302,233
Other fuel	—	—	—	—	—
Electricity purchased	kwh.	17,216,173	180,254	18,417,900	202,270
Total	—	—	2,724,554	—	3,078,050

TABLE 17. Prices of Sugar at Montreal from Factory to Wholesaler for Specified Months
(Compiled by the Prices Section)

	January	April	July	October
Sugar granulated, standard, per cwt.:	\$	\$	\$	\$
1956	7.08	7.08	7.27	7.27
1957	10.20	10.49	9.85	8.86
Sugar, yellow, No. 2, per cwt.:				
1956	6.84	6.84	7.03	7.03
1957	10.05	10.35	9.85	8.85

TABLE 18(a). Per capita Consumption of Refined Sugar¹

Year	Per capita consumption	Year	Per capita consumption
	pounds		pounds
1917	2	1938	95.37
1918	2	1939	103.79
1919	2	1940	100.52
1920	2	1941	102.63
1921	85.13	1942	80.78
1922	90.14	1943	76.68
1923	83.67	1944	87.71
1924	88.94	1945	75.41
1925	92.52	1946	77.49
1926	91.31	1947	92.11
1927	87.30	1948	101.23
1928	93.70	1949	101.86
1929	91.33	1950	103.50
1930	94.78	1951	97.46
1931	93.02	1952	98.25
1932	87.50	1953	95.91
1933	78.92	1954	95.25
1934	86.06	1955	97.05
1935	87.92	1956	97.91
1936	90.34	1957	92.78
1937	95.67		

¹ This series covers sugar only. No attempt has been made to convert imports and exports of confectionery, etc. to sugar.² Not available.**TABLE 18(b). Refined Sugar Stocks, Production, Imports, Exports and Consumption**

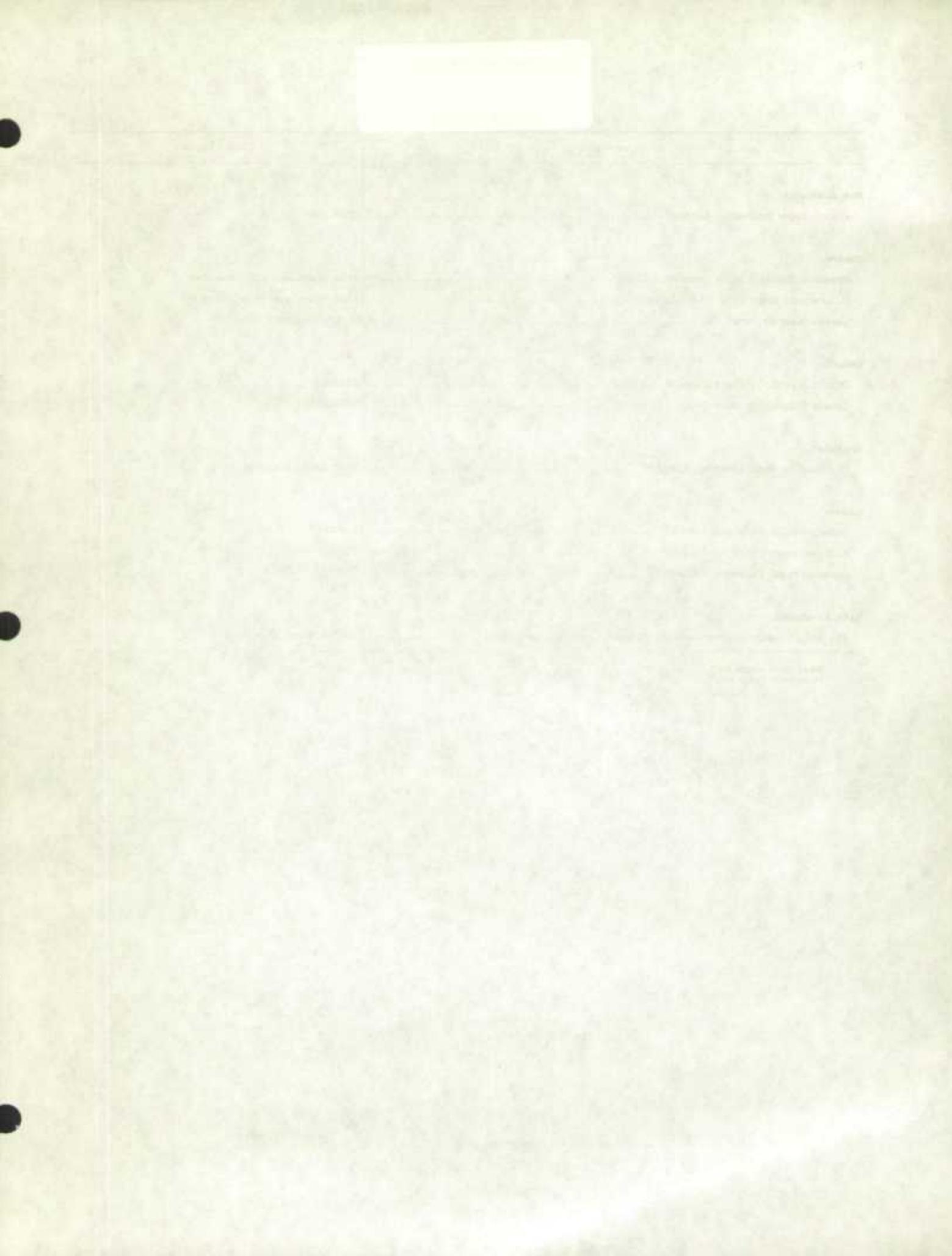
Year	Stocks held by refiners January 1	Production	Imports	Exports	Stocks held by refiners December 31	Consumption ¹		Industrial consumption	Available for household and institutional consumption ¹
						Total	Per capita		
	pounds		thousands		pounds		pounds	thousands	pounds
1939	255,074	1,156,587	7,990	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	1,281	322,881	1,574,419	97.91	724,514	849,905
1957	322,861	1,533,249	28,618	1,841	343,854	1,539,233	92.78	2	2

¹ Wholesalers and retailers stocks not available.² Not available.

List of Sugar Refineries

Name of firm	Plant address
New Brunswick:	
Atlantic Sugar Refineries, Limited ¹	Saint John
Quebec:	
Canada & Dominion Sugar Company, Limited ¹	1410 Montmorency St., Montreal
St. Lawrence Sugar Refineries, Limited ¹	4026 Notre Dame St. E., Montreal
Quebec Sugar Refinery ²	St. Hilaire East
Ontario:	
Canada & Dominion Sugar Company, Limited ²	Chatham
Canada & Dominion Sugar Company, Limited ²	Wallaceburg
Manitoba:	
The Manitoba Sugar Company, Limited ²	(Fort Garry) Winnipeg
Alberta:	
Canadian Sugar Factories, Limited ²	Raymond
Canadian Sugar Factories, Limited ²	Picture Butte
Canadian Sugar Factories, Limited ²	Taber
British Columbia:	
The British Columbia Sugar Refining Company Limited ¹	Rogers Street, Vancouver

¹ Made cane sugar only.² Made beet sugar only.



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