



SLAUGHTERING AND MEAT PROCESSORS

1960

INCLUDING

1. Slaughtering and Meat Packing Plants
2. Sausage and Sausage Casing Manufacturers
3. Animal Oils and Fats Plants

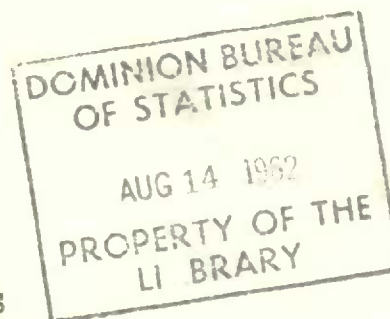
Formerly

THE SLAUGHTERING AND MEAT PACKING INDUSTRIES

1. The Slaughtering and Meat Packing Industry
2. The Sausage and Sausage Casings Industry
3. The Animal Oils and Fats Industry

ANNUAL CENSUS
OF MANUFACTURES

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division



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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.
- * revised figures.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 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. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

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 1960 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

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

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.

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, ware-

housing and delivery staffs. 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 calendar years 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 but not their withdrawals for income tax. 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 works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies 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 refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant 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 are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse 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 values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which has been 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. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. 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.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most 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 were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

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 office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

USE OF SHORT FORMS IN SLAUGHTERING AND MEAT PACKING PLANTS

1960

On page 4, under "Short Forms" may be found the historical background and functions of all types of modified forms used in the Bureau to alleviate the burden on smaller establishments, of reporting detailed data on their operations annually. This was a description designed to cover the general principles involved in the use of modified forms for all industries. We shall here attempt to describe the manner in which these forms are employed in Slaughtering and Meat Packing Plants and to assess the impact which their introduction has occasioned on the 1960 survey.

In this Industry, short questionnaires were forwarded to all establishments whose value of shipments did not generally exceed \$500,000. No intermediate forms were employed. This resulted in some loss of detailed quantities and costs of fuel and electricity and materials and in the monthly distribution of production workers.

Nevertheless, because of the small percentage of total shipments which these establishments reporting on small forms represent, the final results were not affected to a significant degree. This may be illustrated in tabular form as follows:

Establishments reporting on	Number of establishments	Percentage of total number of establishments	Value of factory shipments	Percentage of total value of shipments
			\$	
Long forms	172	82.0	1,049,723,581	99.2
Short forms	38	18.0	8,716,398	0.8
Total establishments	210	100.0	1,058,439,979	100.0

As the above table clearly illustrates, although 38 establishments qualified for the use of short forms, their total value of shipments was only 0.8

p.c. of the industry total. Hence the lack of detail in their reports could not seriously affect the results as published.

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SLAUGHTERING AND MEAT PACKING PLANTS

1960

As stated on page 4 all 1960 annual census of manufactures reports have been compiled on the basis of the Standard Industrial Classification revised 1960. In Slaughtering and Meat Processors there was no change in the content of the Industry therefore the 1960 statistics included in this report are comparable with previous years.

The 1960 Value of Shipments in Slaughtering and Meat Packing Plants was \$1,058,439,979, a decrease of 6.8 p.c. from the \$1,135,900,829 recorded in 1959. These figures include the fees received for custom slaughter but do not include the estimated cost of the animals killed for others, nor the estimated value of the meat resulting from such custom killing, for which see Table 3, page 12.

The cost of materials including animals slaughtered for own account was \$845,487,570 a decrease of 6.1 p.c. from the \$900,504,627 in the previous year. 25,946 persons were employed 3.4 p.c. less than in 1959 and salaries and wages amounted to \$115,044,705 a decrease of 8.0 p.c. from \$115,970,251 reported in the previous year. The cost of fuel and electricity used was \$6,601,111 as compared with \$6,551,600, an increase of 0.7 p.c.

The value added by manufacture is estimated at \$209,473,886, a decrease of 5.9 p.c. from the 1959 figure of \$222,648,120. In 1959, the value added constituted 19.6 p.c. of the total value of shipments while in 1960 it was 19.8 p.c. The cost of materials accounted for 79.2 p.c. of the total value of shipments in 1959 and for 79.9 p.c. in 1960, and that of salaries and wages for 10.2 p.c. in 1959 and 10.9 p.c. in 1960.

The products of the industry may be conveniently grouped into five main divisions. These, with their percentage relation to the total, were as follows: fresh and frozen meats and poultry \$631,676,519, or 59.7 p.c.; canned, cured and smoked meats, sausages and casings, \$295,698,537 or 27.9 p.c.; lard, margarine and shortening, \$64,811,879 or 6.1 p.c.; hides and skins, \$17,805,888 or 1.7 p.c.; and miscellaneous products, \$48,447,156 or 4.6 p.c.

Among fresh and frozen meats items, the quantities shipped in the year increased as follows: beef, 10.4 p.c.; veal, 13.0 p.c.; but mutton and lamb declined by 0.4 p.c.; pork, by 16.2 p.c. and fancy and other meats by 0.4 p.c. The data on quantity shipped are given at page 14.

The provincial distribution of the total value of shipments was: Atlantic Provinces, 2.4 p.c.; Quebec, 21.9 p.c.; Ontario, 37.4 p.c.; Manitoba, 11.8 p.c.; Saskatchewan, 4.6 p.c.; Alberta, 16.1 p.c. and British Columbia, 5.8 p.c.

Figures for "Value added by manufacture" are obtained by subtracting cost of materials used and cost of fuel and electricity from value of production. In 1952 and 1953 value of shipments was used since the value of production could not be ascertained. In 1954 and 1955 value of production was computed by using the value of shipments plus or minus the increase or decrease in total inventory. Total value of inventory, rather than that of finished goods, is used for this industry in view of the difficulty of distinguishing between the various stages of processing.

**TABLE 1. Principal Statistics of Slaughtering and Meat Packing Plants in Canada
Representative Years, 1917-58 and by Provinces, 1959 and 1960**

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials purchased	Value added by manufacture ¹	Gross selling value of products ²
	number				dollars		
1917	82	10,324	9,465,687	897,893 ³	155,980,460	50,104,971	206,983,324
1919	86	13,318	15,390,621	1,034,835 ³	175,416,434	58,148,338	234,599,607
1920	90	12,074	16,760,120	1,274,569 ³	171,192,978	68,611,848	241,079,395
1921	86	9,704	13,562,956	1,075,462 ³	113,499,307	38,759,955	153,334,724
1924	74	10,046	13,127,504	1,277,849	106,764,011	25,698,411	133,740,271
1929	74	10,762	13,998,716	1,153,429	151,814,517	32,874,956	185,842,902
1931	147	9,294	11,626,678	1,028,797	91,276,842	25,291,058	117,596,697
1932	141	9,101	10,349,315	968,256	65,575,957	24,702,310	91,246,523
1933	135	9,289	10,103,744	1,018,025	70,467,544	20,880,568	92,366,137
1937	138	13,070	17,085,008	1,406,308	148,057,651	31,955,352	181,419,311
1938	145	12,503	16,596,710	1,431,636	143,481,692	30,854,054	175,767,382
1939	150	12,765	17,109,682	1,455,331	154,692,370	29,048,432	185,196,133
1941	146	16,260	23,254,484	2,020,508	253,579,825	40,640,082	296,240,415
1944	153	23,867	38,697,789	2,811,350	458,484,382	81,738,368	543,034,100
1946	147	22,536	40,313,025	3,050,859	408,033,456	64,868,839	475,953,154
1949	157	20,586	52,136,180	3,649,334	586,241,637	108,059,068	697,950,039
1951	155	20,914	62,108,875	4,235,250	767,366,797	120,488,594	892,090,641
1952	154	22,864	71,378,013	4,644,925	700,369,951	158,761,279	863,776,155
1953	152	22,887	74,431,943	4,681,159	672,763,955	152,022,908	829,468,022
1954	154	22,999	78,699,090	4,659,853	674,151,921	157,683,565	837,508,480
1955	153	23,655	83,006,946	5,029,463	627,479,460	178,279,868	809,467,773
1956	154	24,667	90,471,885	5,594,583	667,993,524	171,398,415	844,888,684
1957 ^f	161	25,098	94,445,285	5,950,162	720,801,772	..	907,136,299
1958	178	25,712	102,676,636	6,157,552	852,842,056	196,229,499	1,050,461,233
1959							
Atlantic Provinces	9 ⁴	791	2,899,368	229,707	19,844,918	3,900,952	24,292,558
Quebec	52	5,831	23,619,040	1,517,178	194,348,701	47,667,363	245,958,467
Ontario	65	9,863	43,937,503	2,754,020	335,180,228	75,504,998	414,562,142
Manitoba	12	3,260	14,217,228	732,350	110,293,118	32,579,619	144,317,100
Saskatchewan	10	1,500	6,577,425	386,806	44,822,811	14,038,118	59,229,998
Alberta	19	4,210	18,247,123	611,557	148,928,683	38,734,310	189,627,718
British Columbia	13	1,411	6,472,564	319,982	47,086,168	10,222,760	57,912,846
Canada	180	26,866	115,970,251	6,551,600	900,504,627	222,648,120	1,135,900,829
1960							
Atlantic Provinces	13 ⁵	827	3,155,107	240,587	19,286,329	6,402,912	25,656,180
Quebec	63	5,737	23,638,381	1,525,181	186,204,804	45,074,287	231,550,856
Ontario	73	9,698	43,499,342	2,718,130	316,731,975	77,020,633	396,066,339
Manitoba	13	2,910	13,366,772	727,009	98,082,865	26,107,234	124,622,590
Saskatchewan	10	1,357	6,180,349	368,630	38,278,783	10,375,057	49,015,122
Alberta	21	3,838	17,854,141	673,234	137,899,556	32,508,892	170,682,500
British Columbia	17	1,579	7,350,613	348,340	49,003,258	11,984,871	60,846,392
Canada	210	25,946	115,044,705	6,601,111	845,487,570	209,473,886	1,058,439,979

¹ See text.² Figures for 1952 and later years represent values of factory shipments.³ Fuel only.⁴ Newfoundland, 2; Prince Edward Island, 1; Nova Scotia, 2; New Brunswick, 4.⁵ Newfoundland, 2; Prince Edward Island, 1; Nova Scotia, 5; New Brunswick, 5.

The total cost of materials purchased was \$845,487,570 broken down as follows: animals slaughtered, \$588,842,045; dressed meat purchased fresh or partially cured and poultry \$144,163,054; vegetable, fish and animal oils \$40,204,739; miscellaneous materials \$71,785,215 and the amount paid out for custom killings \$492,517.

The following table shows the total numbers of animals slaughtered and their value, both those used in the meat packing industry and those killed

by custom slaughterers in 1929, 1932, and in each of the years from 1937 to 1960.

The numbers, weights and estimated costs of the animals killed by custom slaughterers for butchers or individuals which are included below are shown in Table 3. To calculate animals used by packers in the industry as materials, the numbers and costs shown in Table 3 must be deducted from the respective totals given below.

TABLE 2. Number and Cost Value of Principal Animals¹ Slaughtered, 1929, 1932 and 1937-60

Year		Beeves	Sheep and lambs	Hogs	Calves	Total
1929	No.	719,520	720,852	2,639,005	364,797	4,444,174
	\$	53,768,459	6,727,414	59,882,737	6,122,886	126,501,496
1932	No.	611,531	798,687	3,053,066	392,628	4,855,912
	\$	22,303,782	3,455,466	25,808,550	3,024,144	54,591,942
1937	No.	972,020	837,136	3,951,503	757,406	6,518,065
	\$	37,190,487	5,357,983	68,546,334	7,339,089	118,433,893
1938	No.	911,271	815,433	3,394,104	690,399	5,811,217
	\$	36,824,213	5,148,334	64,862,596	7,158,134	113,993,277
1939	No.	927,588	785,653	3,793,468	687,539	6,194,248
	\$	43,687,227	5,473,583	68,611,954	7,768,704	125,541,468
1940	No.	935,920	763,044	5,531,051	717,835	7,847,850
	\$	49,908,223	5,688,302	93,139,503	9,020,929	157,756,957
1941	No.	1,052,574	836,094	6,469,323	757,024	9,115,015
	\$	66,857,125	7,342,581	125,443,461	11,310,699	210,953,866
1942	No.	1,032,490	820,297	6,335,863	683,317	8,871,967
	\$	82,211,307	7,985,052	153,963,231	13,426,219	257,585,809
1943	No.	1,111,861	878,816	7,260,174	616,959	9,867,810
	\$	107,084,662	9,411,757	196,821,224	14,612,928	327,930,571
1944	No.	1,427,488	986,303	9,066,536	678,831	12,159,158
	\$	131,686,144	9,736,665	239,828,751	13,781,310	395,032,870
1945	No.	1,887,693	1,159,962	6,033,003	829,850	9,910,508
	\$	170,417,273	11,872,329	165,418,638	17,895,865	365,604,105
1946	No.	1,760,177	1,212,661	4,403,220	815,502	8,191,560
	\$	173,245,669	13,500,970	134,569,676	19,320,440	340,636,755
1947	No.	1,351,156	916,128	4,561,581	678,529	7,507,394
	\$	148,447,228	10,761,141	158,482,837	16,856,444	334,547,650
1948	No.	1,550,834	841,091	4,802,890	828,441	8,023,256
	\$	222,625,218	12,697,548	220,461,511	27,846,560	483,630,837
1949	No.	1,504,875	653,160	4,291,142	798,216	7,247,393
	\$	233,357,116	11,973,954	205,032,524	30,245,621	480,609,215
1950	No.	1,309,234	526,646	4,778,417	802,005	7,416,302
	\$	256,379,900	11,656,099	219,176,645	35,279,912	522,492,556
1951	No.	1,181,155	442,207	4,779,212	590,399	6,992,973
	\$	309,268,985	12,125,934	250,355,280	36,058,269	607,808,468
1952	No.	1,251,892	525,127	6,436,778	583,547	8,797,344
	\$	258,892,737	11,205,092	260,011,925	26,070,076	556,179,830
1953	No.	1,469,346	538,949	5,100,583	752,426	7,861,304
	\$	229,361,419	9,839,185	240,413,690	29,180,175	508,794,469
1954	No.	1,692,091	567,351	5,006,429	833,640	8,099,511
	\$	238,047,739	9,504,662	243,115,093	29,281,478	519,948,972
1955	No.	1,731,115	576,979	5,766,132	843,088	8,917,314
	\$	247,803,864	9,562,795	221,538,898	29,331,405	508,236,962
1956	No.	1,902,882	600,973	5,856,427	928,076	9,288,358
	\$	259,799,005	9,721,671	227,846,202	31,684,992	529,051,870
1957	No.	2,035,110	581,662	5,187,115	934,556	8,738,443
	\$	286,414,584	9,787,065	244,497,958	34,249,065	574,948,672
1958	No.	1,981,669	578,124	6,176,491	873,149	9,609,433
	\$	360,118,472	10,174,466	269,718,019	38,947,581	678,958,538
1959	No.	1,792,789	549,725	8,171,500	717,490	11,231,504
	\$	357,320,539	9,333,825	292,648,367	35,630,843	694,933,574
1960	No.	1,963,828	592,531	6,761,384	791,148	10,108,891
	\$	364,783,355	9,807,857	241,705,095	37,310,427	653,606,734

¹ Exclusive of horses and poultry killed but including custom slaughter shown separately in Table 3.

Custom Slaughtering

Public abattoirs and other custom slaughterers are asked to list the names of firms for whom they have killed animals, together with the number and type of each animal killed. These figures are then checked with the animals reported by the packers under the heading "Animals slaughtered by others for your account". After these two sets of figures have been reconciled, the remaining kill by custom slaughterers is assumed to be for the account of butchers or individuals.

In the years prior to 1955, weights and values were estimated for the animals so assigned, for both the live animals and the resulting dressed meat. Commencing in 1955, however, the only "Value of shipments" assigned to custom slaughterers is the fee received for killing and the value of shipments of such hides or by-products as may be retained by the slaughterer.

The numbers and costs of the animals shown below as custom killed are included in Table 2, page 11.

TABLE 3. Animals Killed by Custom Slaughterers for Firms or Individuals not reporting in Slaughtering and Meat Packing Plants, 1959 and 1960

	Number	Cold dressed weight	Estimated cost	Estimated value
		'000 lb.	\$'000	\$'000
1959				
Beeves.....	248,015	124,946	47,762	49,240
Sheep and lambs.....	22,190	997	366	379
Hogs.....	217,186	34,092	7,703	8,055
Calves.....	153,076	17,670	6,821	7,008
Poultry.....	—	—	—	—
Hides, cattle.....	255,217	—	—	2,391
Sheepskins.....	25,013	—	—	46
Calf and kip skins.....	152,991	—	—	828
Totals	—	—	62,652	67,947
1960				
Beeves.....	270,895	138,130	50,198	51,595
Sheep and lambs.....	13,038	563	215	222
Hogs.....	217,875	34,396	7,854	8,207
Calves.....	152,033	17,641	6,497	6,675
Poultry.....	500	4,000	1,600	1,750
Hides, cattle.....	278,402	—	—	2,216
Sheepskins.....	13,145	—	—	17
Calf and kip skins.....	152,404	—	—	636
Totals	—	—	66,364	71,318

TABLE 4. Sales¹ of Certain Important Commodities, 1942 - 60

Year	Meats sold fresh and frozen			Bacon and sides	Sausage and cooked meats	Canned meats	Shortening, animal and vegetable
	Beef	Pork	Veal				
	thousands of pounds						
1942	509,309	215,369	76,878	379,408	127,569	23,028	90,403
1943	540,042	310,833	71,961	469,885	146,439	35,459	98,352
1944	674,613	249,842	73,232	577,067	150,928	85,346	105,121
1945	811,947	195,563	89,805	355,108	157,214	143,571	111,272
1946	746,044	127,555	89,422	262,938	159,023	193,373	107,980
1947	578,295	155,002	70,997	233,895	153,702	107,789	119,471
1948	695,109	220,065	87,140	185,611	161,674	62,169	137,313
1949	679,295	244,303	85,097	116,682	169,284	43,858	125,167
1950	588,998	276,890	87,074	108,684	174,314	50,584	131,067
1951	573,578	310,836	64,221	75,795	189,401	51,188	121,351
1952	622,949	404,476	64,131	83,406	197,678	133,751	123,539
1953	724,200	392,543	82,297	80,523	208,280	60,489	135,984
1954	814,750	367,204	91,155	78,498	210,629	51,324	157,106
1955	721,108 ¹	411,145 ²	81,527 ¹	93,272	226,963	65,694	153,903
1956	781,997 ¹	415,290 ²	88,652 ²	97,205	242,624	57,302	163,495
1957	857,427 ¹	371,802 ²	91,114 ²	85,987	245,648	62,952	163,039
1958	869,869 ¹	465,770 ²	82,688 ²	96,596	259,987	60,936	167,884
1959	824,051 ²	604,717 ²	69,869 ²	102,775	270,892	163,694 ²	161,266
1960	910,163 ²	506,312 ²	78,946 ²	109,095	278,207	71,130	169,972

¹ Prior to 1949 this is production.² See text, page 12.

TABLE 5. Opening and Closing Inventories, 1960

	Supplies		Raw materials, goods in process or finished products				Total	
			At plant		Apart from plant			
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	dollars							
Atlantic Provinces	187,758	220,741	556,238	779,668	44,462	94,680	788,458	1,095,089
Quebec	1,386,547	1,570,204	7,026,866	7,981,865	1,145,201	1,443,618	9,558,614	10,995,687
Ontario	4,050,556	4,137,231	15,491,880	15,714,981	666,427	847,725	20,208,863	20,699,937
Manitoba	607,925	587,969	4,351,992	4,642,433	861	4,938	4,960,778	5,235,340
Saskatchewan	438,183	455,548	1,298,175	1,386,114	985,555	904,964	2,721,913	2,746,626
Alberta	1,028,058	911,353	5,108,734	5,485,932	244,093	266,077	6,380,885	6,663,362
British Columbia	345,004	375,056	1,854,152	2,341,598	180,470	183,101	2,379,626	2,899,755
Canada	8,044,031	8,258,102	35,688,037	38,332,591	3,267,069	3,745,103	46,999,137	50,335,796

TABLE 6. Products Sold, Canada, 1959 and 1960

Kind	1959	1960
Meats sold fresh and fresh-frozen:¹		
Beef	824,050,935	910,162,831
Mutton and lamb	35,631,675	35,467,774
Pork	604,717,181	506,312,573
Veal	69,868,912	78,946,279
Other meats, fancy meats, and offal	123,616,901 ^r	123,052,350
Totals, fresh and frozen meats	1,657,885,604^r	1,653,941,807
	\$ 627,108,173^r	605,553,166
Poultry sold fresh and fresh-frozen	69,081,541	59,203,012
	\$ 26,919,735	26,123,353
Cured and smoked meats:		
Beef, salted or cured	4,089,722	4,708,726
Pork, salted or cured (n.o.p.)	33,000,456	26,179,620
Bone-in hams, uncooked	18,202,064	15,387,347
Bone-in hams, cooked	20,405,851	24,405,843
Boneless hams, uncooked	14,660,556	15,207,964
Boneless hams, cooked	18,488,714	19,229,340
Side bacon, sliced	52,374,432	56,553,637
Side bacon, (piece) unsliced	35,462,184	36,780,482
Back bacon, sliced	8,254,972	9,439,040
Back bacon, (piece) unsliced (including artificial casing)	6,683,202	6,322,398
Picnics	26,217,552	28,725,656
Cottage rolls and butts	24,099,380	28,047,847
Other smoked meat items	14,227,877	11,840,040
Totals, cured and smoked meats	276,166,962	282,827,940
	\$ 136,512,808	139,343,557
Fresh sausage, pure pork	30,753,375	31,358,711
Fresh sausage, other	20,973,318	20,513,423
Bologna	64,926,897	65,602,623
Wieners and frankfurters	76,991,959	82,465,670
Boiled ham, cooked	19,837,537	18,818,858
Other sausage and cooked meats	57,409,393	59,448,289
Totals, sausage and cooked meats	270,892,479	278,207,574
	\$ 113,600,384	116,583,543
Canned meats, all kinds	163,694,154 ^r	71,130,059
	\$ 90,475,375^r	35,303,161
Sausage casings	4,281,677	4,468,276
Mincemeat	2,372,150	2,541,623
	\$ 488,544	526,950
Lard	143,132,536	120,387,467
	\$ 14,668,582	15,788,489
Shortening, wholly vegetable	54,427,583	62,341,729
	\$ 13,178,149	13,990,912
Shortening, containing some animal fat and marine oils	106,838,447	107,630,521
	\$ 22,415,868	22,253,122
Margarine	70,759,886	61,802,687
	\$ 15,142,818	12,779,356
Tallow, edible	29,034,516	33,181,913
	\$ 2,549,518	2,820,626
Tallow, inedible	105,583,431	97,249,540
	\$ 6,333,079	5,030,251
Neat's foot oil	294,803	275,974
	\$ 59,500	41,166

See footnote at end of table.

TABLE 6. Products Sold, Canada, 1959 and 1960 - Concluded

Kind		1959	1960
Cottonseed oil	lb.	15,837,052	18,713,081
	\$	2,672,248	3,523,556
Coconut oil	lb.	10,732,721	11,138,643
	\$	2,401,234	2,137,066
Soybean oil	lb.	25,659,295	22,685,900
	\$	3,728,763	3,061,873
Peanut oil	lb.	5,890,973	1,596,861
	\$	1,130,921	369,185
Other oils	lb.	54,110,789	82,878,057
	\$	8,367,976	10,499,433
Grease	lb.	2,285,732	1,612,777
	\$	89,935	72,255
Animal foods	lb.	41,888,540 ^r	42,919,417
	\$	3,758,433 ^r	3,416,336
Hair and bristles	lb.	662,351	888,851
	\$	88,145	102,955
Tankage, primary:			
Bones, edible	lb.	1,965,425	1,300,438
	\$	22,962	20,482
Bones, inedible	lb.	7,269,314	9,747,172
	\$	86,545	111,972
Bones, green	lb.	12,816,192	12,133,667
	\$	183,853	137,572
Dried blood, edible and inedible	lb.	9,880,238	7,944,526
	\$	409,298	287,437
Hooves and horns	lb.	1,198,525	901,444
	\$	22,850	8,541
Tankage, dry rendered	lb.	54,693,883 ^r	52,373,889
	\$	2,043,851 ^r	1,711,720
Tankage, wet rendered	lb.	6,728,061	5,382,760
	\$	147,799	79,785
Tankage, other	lb.	6,152,872	7,667,237
	\$	427,794	307,597
Tankage, secondary:			
Blood meal	lb.	6,603,355	5,417,399
	\$	336,107	230,246
Bone flour and bone meal	lb.	3,565,818	3,055,072
	\$	161,986	138,851
Hoof meal	lb.	523,260	²
	\$	26,870	²
Meat meal	lb.	68,285,426	81,773,988
	\$	3,050,938	2,968,491
Feeding tankage	lb.	18,463,834 ^r	12,137,839
	\$	628,738 ^r	445,482
Tankage, other	lb.	501,312 ^r	504,875
	\$	27,226 ^r	24,817
Cattle hides	No.	2,389,027	1,711,624
	\$	16,235,470	13,340,209
Horse hides	No.	36,620	31,935
	\$	375,897	315,545
Sheep skins	No.	557,515	623,526
	\$	1,152,810	872,676
Calf skins	No.	723,643	606,495
	\$	3,510,043	3,277,458
All other products	\$	8,444,589 ^r	7,512,587
Amount received for custom or contract work	\$	2,633,338	2,859,924
Total factory value of products sold	\$	1,135,900,829	1,058,439,979

¹ See introductory text, page 9 and Table 3, page 12.² Included with "Other tankage".

TABLE 7. Animals Slaughtered and Materials Purchased,¹ Canada, 1959 and 1960

Kind		1959	1960
Beeves slaughtered	No.	1,544,774	1,692,933
Dressed weight	lb.	792,379,356	880,184,162
Cost value	\$	309,558,994	314,585,113
Sheep and lambs, slaughtered	No.	527,535	579,493
Dressed weight	lb.	23,470,126	25,132,263
Cost value	\$	8,967,832	9,593,140
Hogs, slaughtered	No.	7,954,314	6,543,509
Dressed weight	lb.	1,248,701,313	1,013,099,102
Cost value	\$	284,944,783	233,850,854
Calves, slaughtered	No.	564,414	639,115
Dressed weight	lb.	74,159,596	83,866,670
Cost value	\$	28,809,571	30,812,938
Dressed meat purchased fresh or partially cured	lb.	447,114,470	441,334,172
	\$	151,279,463	144,163,054
Coconut oil	lb.	22,698,793	19,395,442
Cottonseed oil	"	29,608,112	41,086,933
Palm oil	"	25,828,403	15,776,684
Peanut oil	"	11,643,271	5,109,738
Soybean oil	"	142,452,587	163,449,520
Other vegetable oils	"	15,030,946	16,034,857
Totals, vegetable oils	"	247,262,112	260,853,174
	\$	30,913,841	30,343,570
Animal oils and fats	lb.	53,457,177	68,742,893
	\$	5,086,776	7,101,943
Marine oils	lb.	29,850,015	30,746,516
	\$	2,871,707	2,759,226
Sausage casings, animal	\$	3,270,062	3,154,550
Sausage casings, artificial	\$	3,855,087	4,741,748
Containers, wrappings, cases, etc.	\$	36,885,505	29,324,992
Operating, maintenance and repair supplies	\$	6,715,893	6,722,310
All other materials	\$	26,574,085	27,841,615
Amount paid out for custom killing	\$	771,028	492,517
Total value	\$	900,504,627	845,487,570

¹ Detail shown relates only to firms with value of shipments of \$500,000 and over. Materials purchased by small firms included in "All other materials". The total cost of such materials was \$7,666,152 in 1959 and \$6,484,552 in 1960.

TABLE 8. Employment and Salaries and Wages by Provinces, 1959 and 1960

Province	Average					Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
1959	number					dollars		
Atlantic Provinces	133	30	505	123	791	670,656	2,228,712	2,899,368
Quebec	916	272	3,876	767	5,831	6,095,279	17,523,761	23,619,040
Ontario	1,442	603	6,086	1,732	9,863	11,530,803	32,406,700	43,937,503
Manitoba	560	140	2,159	401	3,260	3,385,409	10,831,819	14,217,228
Saskatchewan	206	85	979	230	1,500	1,384,667	5,192,758	6,577,425
Alberta	664	231	2,647	668	4,210	4,318,068	13,929,055	18,247,123
British Columbia	217	80	911	203	1,411	1,665,779	4,806,785	6,472,564
Canada	4,138	1,441	17,163	4,124	26,866	29,050,661	86,919,590	115,970,251
1960								
Atlantic Provinces	136	30	515	146	827	679,188	2,475,919	3,155,107
Quebec	1,003	254	3,724	756	5,737	6,555,955	17,082,426	23,638,381
Ontario	1,454	600	5,942	1,702	9,698	11,196,305	32,303,037	43,499,342
Manitoba	565	129	1,886	330	2,910	3,527,143	9,839,629	13,366,772
Saskatchewan	190	62	895	210	1,357	1,337,186	4,843,163	6,180,349
Alberta	623	210	2,408	597	3,838	4,559,750	13,294,391	17,854,141
British Columbia	229	78	1,018	254	1,579	1,781,122	5,569,491	7,350,613
Canada	4,200	1,363	16,388	3,995	25,946	29,636,649	85,408,056	115,044,705

TABLE 9. Production Workers, by Months, 1959 and 1960

	1959		1960	
	Male	Female	Male	Female
Establishments reporting monthly detail:¹				
January	15,712	3,579	15,922	3,777
February	15,338	3,458	15,798	3,787
March	15,681	3,550	15,727	3,736
April	16,512	3,785	16,010	3,839
May	17,303	4,224	16,356	4,184
June	17,359	4,463	16,612	4,398
July	17,587	4,686	16,824	4,468
August	17,810	4,615	16,698	4,300
September	17,629	4,356	16,384	4,028
October	17,703	4,281	16,453	3,883
November	17,622	4,096	16,319	3,672
December	17,628	4,059	15,433	3,472
Average for establishments reporting monthly detail	16,990	4,105	16,219	3,968
Average estimated for small establishments ²	173	19	169	27
Average for all establishments	17,163	4,124	16,388	3,995

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$500,000 and over.

² For establishments generally reporting value of shipments of less than \$500,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 10. Principal Statistics according to Number of Employees, 1959 and 1960

Establishments having employment of	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials purchased	Selling value of factory shipments
	number				dollars	
1959						
Under 5 employees	17	56	137,587	20,384	1,192,427	1,523,861
5 to 14	52	459	1,422,449	201,006	20,124,784	23,807,976
15 " 49	42	1,207	4,450,605	418,413	48,977,449	61,486,402
50 " 99	18	1,322	4,980,005	508,194	47,016,783	58,306,472
100 " 199	15	2,206	9,119,537	664,785	76,066,594	95,643,827
200 " 499	20	6,219	26,494,912	1,355,347	208,601,738	257,395,442
500 " 999	11	7,499	32,825,458	1,217,329	242,151,538	314,142,192
1,000 and over	5	7,898	36,539,698	2,166,142	256,373,314	323,594,657
Totals	180	26,866	115,970,251	6,551,600	900,504,627	1,135,900,829
1960						
Under 5 employees	30	87	194,999	31,682	1,446,292	1,834,870
5 to 14	63	561	1,595,299	245,424	24,408,417	28,790,926
15 " 49	49	1,458	5,513,386	519,302	58,912,690	73,530,011
50 " 99	16	1,205	4,415,163	413,876	44,984,743	56,692,139
100 " 199	17	2,477	10,386,169	795,399	80,114,673	104,803,903
200 " 499	22	7,233	32,612,336	1,544,115	235,398,768	288,262,330
500 " 999	8	5,314	23,909,286	997,258	167,403,284	209,716,132
1,000 and over	5	7,611	36,418,067	2,054,055	232,818,703	294,809,668
Totals	210	25,946	115,044,705	6,601,111	845,487,570	1,058,439,979

TABLE 11. Principal Statistics according to Size of Establishments, 1959 and 1960

Establishments having factory shipments of	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials purchased	Selling value of factory shipments
	number				dollars	
1959						
Under \$100,000	17	66	152,059	29,097	710,539	1,006,051
\$ 100,000 to \$ 199,999	14	93	271,825	23,683	1,639,971	2,152,564
200,000 " 499,999	34	389	1,182,539	170,276	9,285,334	12,002,124
500,000 " 999,999	21	589	2,022,200	213,377	9,699,415	14,052,806
1,000,000 " 4,999,999	47	2,685	10,012,175	874,616	82,837,271	105,757,577
5,000,000 and over	47	23,044	102,329,453	5,240,551	796,332,097	1,000,929,707
Totals	180	26,866	115,970,251	6,551,600	900,504,627	1,135,900,829
1960						
Under \$100,000	31	119	255,203	46,397	993,012	1,496,664
\$ 100,000 to \$ 199,999	19	129	356,735	45,343	1,976,554	2,649,735
200,000 " 499,999	28	312	969,351	139,770	7,243,821	9,466,497
500,000 " 999,999	36	797	2,490,343	263,692	17,878,718	23,801,400
1,000,000 " 4,999,999	49	2,852	10,905,469	936,913	92,465,943	120,111,576
5,000,000 and over	47	21,737	100,067,604	5,168,996	724,929,522	900,914,107
Totals	210	25,946	115,044,705	6,601,111	845,487,570	1,058,439,979

TABLE 12. Principal Statistics according to Type of Ownership, 1959 and 1960

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials purchased	Selling value of factory shipments
	number		dollars			
1959						
Individual ownerships	28	213	614,835	73,843	6,685,503	7,890,479
Partnerships	15	172	484,870	51,744	7,828,270	9,026,832
Incorporated companies	133	25,981	113,170,711	6,274,949	871,303,232	1,100,321,484
Co-operative associations	4	500	1,699,835	151,064	14,687,622	18,662,034
Totals	180	26,866	115,970,251	6,551,600	900,504,627	1,135,900,829
1960						
Individual ownerships	41	235	554,107	90,146	5,932,029	7,506,487
Partnerships	15	164	422,208	44,977	5,657,294	6,666,487
Incorporated companies	151	25,081	112,439,577	6,319,590	820,338,396	1,027,559,540
Co-operative associations	3	466	1,628,813	146,398	13,559,851	16,707,465
Totals	210	25,946	115,044,705	6,601,111	845,487,570	1,058,439,979

TABLE 13. Estimated Capital, Repair and Maintenance Expenditures, 1956 - 60

(Prepared in the Business Finance Division)

Year	Capital expenditures		Repair and maintenance expenditures		Total
	Con- struction	Machinery and equipment	Con- struction	Machinery and equipment	
	thousands of dollars				
1956	5,026	8,132	2,157	8,397	23,712
1957	6,065	8,603	2,307	10,999	27,974
1958	3,842	7,806	2,904	9,196	23,748
1959	3,170	6,945	2,805	8,850	21,770
1960	8,407	8,643	2,834	9,623	29,507

TABLE 14. Consumption of Fuel and Electricity, 1959 and 1960

Kind	1959		1960	
	Quantity	Cost	Quantity	Cost
1. Establishments reporting commodity detail: ¹		\$		\$
Bituminous coal:				
(a) From Canadian mines	tons	2,254	1,961	27,592
(b) Imported	"	63,762	67,410	664,041
Sub-bituminous coal (from Alberta mines only)	"	100	—	—
Anthracite coal	"	3,535	1,218	22,733
Lignite coal	"	39,437	38,194	179,311
Coke	"	10	9	175
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	2,719,645	2,727,137	925,194
Fuel oil including kerosene or coal oil	"	13,261,599	14,136,864	1,192,479
Wood	cord	541	864	12,796
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	59,574	89,699	34,600
(b) Other manufactured gas	M cu. ft.	33,130	21,098	19,005
(c) Natural gas	"	2,121,172	2,799,136	841,655
Other fuel		485,208	...	54,828
Electricity purchased	kwh.	268,951,610	297,344,704	2,433,108
Steam purchased	pounds	138,568,288	133,709,222	85,852
2. Estimate for establishments for which no data were collected: ²				
Cost of fuel and electricity	117,491	...	107,742
3. All establishments:				
Total cost of fuel and electricity	6,551,600	...	6,601,111

¹ Establishments generally reporting value of shipments of \$500,000 and over.² Establishments generally reporting value of shipments of less than \$500,000.

FOREIGN TRADE

TABLE 15. Imports into Canada of Meat and Meat Products, Calendar Years, 1959 and 1960

Articles	1959	1960
Meats, fresh, chilled or frozen		
Beef and veal, fresh, chilled or frozen lb.	20,970,314	17,396,368
\$	7,447,061	6,432,503
Mutton and lamb, fresh, chilled or frozen lb.	20,118,965	23,531,746
\$	3,971,938	4,622,748
Pork, fresh, chilled or frozen lb.	68,020	11,476,124
\$	30,841	3,465,073
Poultry and game, quails, partridges and squabs, dead or alive, n.o.p. .. \$	2,418,274	7,058,326
Edible offal, fresh, chilled or frozen lb.	2,329,534	5,200,167
\$	750,838	1,226,292
Other meats, fresh, chilled or frozen lb.	70,541	99,369
\$	54,297	77,914
Meats, prepared, preserved or canned		
Bacon, hams, shoulders and other pork, prepared or preserved, other than canned lb.	1,143,692	5,584,667
\$	467,325	1,361,060
Beef, canned lb.	15,157,982	9,007,417
\$	5,401,610	3,260,933
Beef, pickled lb.	12,939,693	11,679,258
\$	3,360,319	3,020,812
Canned meats, poultry and game, n.o.p. lb.	4,464,098	3,572,603
\$	1,410,653	1,184,365
Extracts of meat and fluid beef, not medicated \$	570,137	521,855
Meats, prepared or preserved, other than canned, n.o.p. lb.	704,161	1,154,170
\$	520,738	1,008,248
Sausage lb.	126,055	122,390
\$	90,370	90,978
Soups, soup rolls, tablets, cubes or other soup preparations, n.o.p. \$	676,732	794,144
Oils, fats, greases and waxes		
Animal oils n.o.p. gal.	47,447	56,430
\$	58,368	64,916
Lard, lard compound and similar substances, cottolene and animal stearine of all kinds, n.o.p. lb.	2,736,479	20,902,646
\$	254,472	1,984,454
Tallow lb.	1,332,358	3,519,658
\$	108,366	283,858
Grease and degrass cwt.	199,615	185,111
\$	1,356,398	1,135,248
Hides and skins, n.o.p.		
Calf skins and kips, raw, whether dry, salted or pickled No.	671,475	579,518
\$	3,722,207	3,136,141
Cattle hides, raw, whether dry, salted or pickled No.	580,230	497,252
\$	5,506,503	3,691,339
Sheepskins, raw, whether dry, salted or pickled No.	1,167,844	1,034,529
\$	1,337,665	1,209,016

**TABLE 15. Imports into Canada of Meat and Meat Products, Calendar Years,
1959 and 1960 — Concluded**

Articles	1959	1960
Hides and skins, n.o.p. — Concluded		
Goat skins and kidskins, raw	No. 2,469	1,100
\$	2,134	1,076
Hide sections or bellies	No. 202,478	379,443
\$	302,763	448,823
Other hides and skins, raw, n.o.p., whether dry, salted or pickled, and raw pelts	No. 39,794	35,097
\$	63,739	193,275
Bones, horns, etc.		
Bones, crude	cwt. 6,822	6,945
\$	43,107	43,382
Bone dust, charred bone and bone ash	cwt. 66,698	59,166
\$	258,937	255,426
Bone pitch, crude only	cwt. 3,832	3,012
\$	22,068	14,968
Charcoal, animal, for use in the refining of sugar or corn products	cwt. 28,907	26,751
\$	256,571	223,568
Hair and bristles		
Bristles, animal	lb. 331,085	322,316
\$	901,921	1,111,817
Hair, not dyed or curled or otherwise manufactured	lb. 1,732,494	1,371,732
\$	304,219	246,438
Horse hair not further manufactured than cleaned and dipped or dyed	lb. 125,332	115,416
\$	61,907	59,524
Hair, manufactured, n.o.p.	\$ 99,935	97,050
Miscellaneous animal products, n.o.p.		
Gelatine, edible	lb. 2,260,250	1,795,193
\$	1,238,045	962,306
Gelatine, inedible, for photographic use	lb. 316,411	206,267
\$	499,118	321,847
Gelatine, n.o.p.	lb. 407,808	243,020
\$	93,485	62,166
Glue, animal, powdered or sheet	lb. 5,197,515	5,338,832
\$	817,402	853,157
Glue, n.o.p.	lb. 55,636	53,910
\$	26,137	26,043
Horse meat, tripe and other animal offal, ground or unground, unfit for human consumption; feeds consisting wholly or in part of cereals but not including baked biscuits; for feeding fur bearing animals or for the manufacture of feeds for such purposes	cwt. 106,738	113,610
\$	644,490	729,159
Dog food and pet stock food	\$ 267,397	290,947
Rennet, raw and prepared	lb. 299,930	344,569
\$	226,732	409,256
Sausage casings or skins, cleaned	\$ 3,226,165	3,442,404
Sausage casings or skins not cleaned	\$ 128,809	258,859
Tankage	cwt. 116,413	99,294
\$	200,226	169,728
Total value	\$ 49,200,419	55,851,442

TABLE 16. Exports of Products of Canadian Slaughtering and Meat Processors, Calendar Years, 1959 and 1960

Articles	1959	1960
Meats, fresh, chilled or frozen		
Beef and veal, fresh, chilled and frozen cwt.	228,067	184,171
\$	9,219,080	7,061,623
Frog's legs, fresh lb.	796	2,528
\$	489	1,231
Mutton and lamb, fresh, chilled and frozen cwt.	7,491	1,092
\$	250,703	37,725
Pork, fresh, chilled and frozen cwt.	523,524	511,266
\$	17,019,374	15,568,642
Poultry, dressed or undressed lb.	717,793	178,254
\$	194,193	87,580
Meats, prepared, preserved or canned		
Bacon and hams, shoulders and sides, cured or smoked cwt.	57,225	59,560
\$	4,554,587	4,469,521
Beef, pickled, in barrels cwt.	11,237	15,539
\$	260,336	335,208
Hams, canned lb.	4,396,955	3,940,561
\$	3,459,937	2,891,385
Canned meats, n.o.p. lb.	2,446,436	20,416,103
\$	897,936	7,012,841
Extract of beef lb.	29,224	26,504
\$	18,894	18,583
Pork, pickled in barrels cwt.	81,138	72,251
\$	1,109,504	930,784
Hams, cooked, not canned cwt.	18,601	14,419
\$	1,742,923	1,450,703
Meats, cooked, n.o.p., including bologna and wieners cwt.	18,316	18,565
\$	697,329	675,759
Edible offal of beef, pork, mutton and lamb cwt.	153,974	144,344
\$	2,278,109	2,785,150
Meats, n.o.p. cwt.	35,986	38,826
\$	1,164,986	1,058,327
Oils, fats, greases and wax		
Neat's-foot and other animal oils, n.o.p. gal.	14,538	9,552
\$	24,182	14,982
Grease, grease scraps and animal soap stock cwt.	82,403	3,769
\$	598,184	14,294

TABLE 16. Exports of Products of Canadian Slaughtering and Meat Processors, Calendar Years, 1959 and 1960 — Concluded

Articles		1959	1960
Oils, fats, greases and wax—Concluded			
Lard	cwt.	92,170	16,667
	\$	885,895	95,460
Tallow	cwt.	860,097	977,338
	\$	5,930,788	5,850,975
Wax, animal	lb.	61,208	27,065
	\$	20,373	14,744
Hides and skins			
Calf skins and kips, raw	No.	686,862	757,659
	\$	4,032,812	3,699,630
Cattle hides, raw	No.	785,583	1,266,326
	\$	8,379,735	10,626,127
Horse hides, raw	No.	55,508	41,319
	\$	563,622	440,953
Sheep skins, raw	No.	248,223	345,378
	\$	414,287	531,420
Hides and skins, raw, n.o.p.	No.	1,115,904	399,694
	\$	1,117,414	587,120
Bones, horns, etc.			
Bones, crude	cwt.	12,052	14,090
	\$	36,938	48,031
Bone dust and bone meal	cwt.	11,329	4,268
	\$	53,909	21,418
Horns and hooves	cwt.	2,575	3,000
	\$	11,236	17,228
Miscellaneous animal products			
Horse hair	lb.	134,364	110,943
	\$	166,564	148,071
Hair and bristles	lb.	2,418,344	1,989,838
	\$	302,660	245,845
Glue	cwt.	12,213	2,729
	\$	217,842	38,043
Glue stock	cwt.	159,602	132,587
	\$	339,916	282,380
Tankage	cwt.	98,202	124,419
	\$	278,469	280,249
Sausage casings	\$	2,854,271	3,187,701
Total value	\$	69,097,477	70,529,733

List of Operators of Slaughtering and Meat Packing Plants

Name	Address
Newfoundland:	
Peter Pan Sales Ltd.	Lime St., St. John's
Chalker & Co., Ltd.	Water St. E., St. John's
Prince Edward Island:	
Canada Packers Ltd.	Grafton St., Charlottetown
Nova Scotia:	
Eastern Meat Packers Ltd.	Trenton
Emerald Brand Meat Packing	Westville
Larsen's Wholesale Ltd.	Berwick
McDonald, Wm.	512 Esplanade, Sydney
N.S. Co-operative Abattoir	N. Barrington St., Halifax
New Brunswick:	
Canada Packers Ltd.	Thorne Ave., Saint John
Northern Meat Packers Ltd.	Campbellton
Swift Canadian Co., Ltd.	Albert St., Extension, Moncton
Salaison Gauvin Ltée	Paquetville
Taylor, G.B.	220 Bridge Street, Saint John
Quebec:	
Abattoir Champlain Enr.	Champlain
Abattoir Desrochers Ltée	St-Esprit
Abattoir Montmagny	Montmagny
Abattoir Nadeau Ltée	Ste-Germaine Station
Abattoir régional du Richelieu Ltée	206, rue du Collège, Sorel
Abattoir St-Guillaume Inc.	St-Guillaume Station, Co. Yamaska
Arnold Farms Ltd.	Grenville
Bernier, Raymond	Granby
Bovril (Canada), Limited	9500 St. Lawrence Blvd., Montreal
Bourassa Limitée, Noé	1500, Chemin de la Côte de Liesse, Ville Mont-Royal
Brassard & Frères Ltée	540, rue Brassard, Chicoutimi
Canada Packers, Limited	1260 Mill Street, Montreal
Canada Packers, Limited	200 Montcalm St., Hull
Chaine Co-opérative du Saguenay, La	St-Bruno
Co-operative Fédérée de Québec	C.P. 160, Princeville
Coorsh & Sons, Ltd., S.	4955 Courtrai S. Montreal
Cordon Bleu Ltée	4351, rue Iberville, Montreal
Côté & Frère Inc.	Acton Vale
Cournoyer, Albert	Upton
Demers Inc., Gérard	St-Pierre les Becquets
Demers Inc., Jean	Gentilly
Desrosiers Enr., P.E.	Matane
Dominion Packers Limited	11400 Sherbrooke St. E., Montreal
Drach's Food Products Ltd.	1205 Van Horne Ave., Outremont

List of Operators of Slaughtering and Meat Packing Plants — Continued

Name	Address
Quebec — Concluded:	
Eastern Abattoirs, Limited	4445 Iberville St., Montreal
Excel Packing Corporation	4995 Angers St., Montreal
Federal Packing Inc.	Magog
Fournier, Arthur	St-Mathieu
Frontenac Packing Ltd.	4365 Frontenac St., Montreal
Giroux, Léo	Chemin St-Michel Sherbrooke
Hoffner's Food Products Inc.	415 Bonsecours St., Montreal
Hygrade Food Products Inc.	330 Guizot St., W., Montreal
Johnson, Charles-Henri	Deschambault
La Délicieuse Ltée	195, rue de Port-Royal, Montréal
Lafleur Ltée, Alphonse	350 — 5e rue, Québec
Laplane, Jean-Marie	St-Valérien
Lavoie & Fils Ltée, A.	Rang St-Jean-Baptiste, Chicoutimi
Legrade Inc.	Rue d'Estimauville, Québec Ouest
Legrade Inc.	4363, rue Frontenac, Montréal
McGarry & Co., Ltd.	708 St. Paul St. W., Montreal 3
Marché de Québec, Inc.	342 — 1ère Avenue, Limoilou
Melrose Packers Corp.	236 Mt. Royal St. E., Montreal
Modern Packers Limited	4670 Iberville St., Montreal
Montreal Smoked Meat Products Ltd.	2946 Rouen St., Montreal
Ouellet, Arthur	Ste-Perpétue
Parma Food Products Ltd.	3775 Industrial Blvd. Montreal-Nord
Pesner Brothers Limited	968 Notre Dame Street W., Montreal
Procter & Gamble Co. of Canada Ltd., The	Pointe-Claire
Roma Food Products Ltd.	6876 Grand Ave., Montreal
Roy & Frères Inc.	St-Anselme Station
Salaison Acton Enr.	R.R. 3. Acton Vale
Salaison Brisson Inc., La	Rue Ferland, Nicolet
Salaison Idéale Ltée	Lac Mégantic, Cté Frontenac
Salaison Maisonneuve Ltée	1420, Avenue Lasalle, Montréal
Salaison St-Jérôme Ltée	St-Jérôme
Salamico Co. Ltd.	385 St-Eustache St., St-Eustache
Skena Enr.	84 — 101e Ave. N., Sherbrooke
Société Française de Spécialités Alimentaires Ltée	5105 Côte de Liesse Rd., St-Laurent
Supreme Packers Inc.	5149 Marquette St., Montreal
Swift Canadian Co., Ltd.	1000 Craig St. E., Montreal
Sylvain Frères	505, rue Durocher, Québec
Sylvain Ltée, Edmond	70, rue Dorchester, Québec
United Packing Co. Ltd.	4365 Frontenac St., Montreal
Wilsil, Limited	1239 Mill Street, Montreal 22
Ontario:	
Abingdon Packers	R.R. 2, Caistor Centre
Arrow Meat Packers Ltd.	Cornwall
Arthur Limited, T.	75 Curlew Dr. Don Mills
Aylmer Packers	Gladstone
Beef Terminal Ltd.	2255 St. Clair Ave., W., Toronto

List of Operators of Slaughtering and Meat Packing Plants — Continued

Name	Address
Ontario — Continued:	
Brantford Packers Ltd.	Box 307, Brantford
Brenner Packers Limited	497 Cataragui Street, Windsor
Burns & Company (Eastern) Limited	901 Guelph Street, Kitchener
Canada Packers, Limited	2200 St. Clair Avenue W., Toronto 9
Canada Packers, Limited	148 George Street, Peterborough
Canadian Abattoir Limited	138 St. Helens Ave., Toronto
Canadian Dressed Meats, Ltd.	109 Ryding Ave., Toronto
Capital Meat Co. Ltd.	316 Savard Ave., Eastview
Coleman Packing Co., Limited	First Street, London
Cole, Lorne	R.R.1, Hilton
Courtland Packers Co.	Courtland
Darlington Abattoir	Bowmanville
Essex Packers Limited	Wentworth St. N., Hamilton
Essex Packers Limited	897 Mercer Street, Windsor
Essex Packers Limited	Merriton
Fearman Co., Ltd., F.W.	226 Rebecca Street, Hamilton
First Co-operative Packers of Ontario, Limited, The	272 Inisfil St., Barrie
Globe Meat Packers Ltd.	2 Tecumseh St., Toronto
Grantham Packers Ltd.	Hartzell Road, St. Catharines
Gronau Meat Packers	91 Bridgeport Road, Waterloo
Gross & Sons, Morris	388 Clinton St., Toronto
Hague, Harry	955 Logan Avenue, Toronto 6
Halton Dressed Meats Ltd.	R.R.4, Georgetown
Highland Packers	Stoney Creek
Hoffman & Sons Ltd., Phillip	352 Maple Ave., Kitchener
Hunnisett Limited, Frank	2306 St. Clair Avenue, W., Toronto 9
Ideal Pork Products, Limited	1310—2nd Avenue E., Owen Sound
Kitchener Packers Co. Ltd.	210 Springvalley Road, Kitchener
Lever Brothers Limited	299 Eastern Avenue, Toronto
Louis Cured Meats	1853 Upper James St., Hamilton
Lucas Co., Ltd. R.J.	3 Carlaw Ave., Toronto
Lynn Valley Packers	R.R. 3, Simcoe
McFadden, Murray	Seeleys Bay
McFedridge, W.J.	Bath Rd., Kingston
Meldrum Co., The	14 Vancouver Ave., Toronto
Metropolitan Meat Packers Ltd.	1—3 Glen Scarlett Rd., Toronto
Moyer, Ellis	98 Queenston St., St. Catharines
Northern Meat Packers	Waterloo
Ontario Reformatory, The	Guelph
Ottawa Beef Co. Ltd.	229 Lees Ave., Ottawa
Owen Sound Abattoir	R.R. 5, Owen Sound
Oxo Canada Ltd.	1380 Don Mills Rd., Don Mills
Paletta Bros. Meat Products Ltd.	R.R. 1, Hannon
Plumstead Products	5 Jarvis St., Toronto
Prime Packers Ltd.	99 Ryding Ave., Toronto
Presswood Brothers Ltd.	30 Maybank Avenue, Toronto
Procter & Gamble Co., of Canada, Ltd., The	Burlington Street E., Hamilton
Quality Meat Packers	2 Lombard St., Toronto 8

List of Operators of Slaughtering and Meat Packing Plants — Continued

Name	Address
Ontario — Concluded:	
Reist & Son, Noah	R.R. 1, Waterloo
Roberts Co. Ltd, L.	Binbrook
St. George Abattoir	St. George
Schneider, Limited, J.M.	321 Courtland Avenue E., Kitchener
Sterling Packers Ltd.	2255 St. Clair Ave. W., Toronto
Stratford Packers	R.R. 3, Stratford
Swift Canadian Co., Ltd.	1960 St. Clair Avenue W., Toronto
Szabo, Nick	454 Wallace Ave., Welland
Szalay, Leslie	Guelph Hwy., Hamilton
Tasty Chip Steak Products Ltd.	71 Strachan Ave., Toronto
Timmins Packers Ltd.	Preston St. S., Timmins
Toronto Abattoirs Ltd.	2 Tecumseh Street, Toronto
Twin City Abattoir	822 McLaughlin St., Fort William
Vaunclair Purveyors Ltd.	50 Upjohn Rd., Don Mills
Viking Meat & Sausage Co.,	10 Willison Sq., Toronto
W. K. Meat Packers	262 Rykert St., St. Catharines
Whyte Packing Co., Ltd., The	78 Linton Avenue, Stratford
Windsor Packing Co., Limited (Plant at Sandwich)	P.O. Box 265, Windsor
York Packing Co., Limited	104 Trowell Ave., Toronto
Manitoba:	
Bergman Meat Products	R. R. 1, Giroux
Brandon Packers Limited	12th Street North, Brandon
Buffalo Packers Co. Ltd.	555 Dawson Rd., St. Boniface
Burns & Company Limited	1010 Logan Avenue, W., Winnipeg
Canada Packers Limited	660 Marion Street, St. Boniface
Dent's English Bacon Co., Ltd.	286 Fort Street, Winnipeg
Kosher Meat Canning Co., Ltd.	358 Flora Ave., Winnipeg
Manitoba Packing Limited	607 Dawson Road, St. Boniface
North West Packers Ltd.	679 Dawson Road, St. Boniface
Public Abattoir Limited	341 Dupuy Street, St. Boniface
St. Boniface Abattoir, Ltd.	346 Dupuy Street, St. Boniface
Swift Canadian Company Limited	Archibald St., St. Boniface
Winnipeg Beef Co. Ltd.	346 Dupuy St., St. Boniface
Saskatchewan:	
Alsask Processors Ltd. (Division of the Quaker Oats Co. of Canada Ltd.)	Swift Current
Burns & Company Limited	15th st. E., & 6th Ave., Prince Albert
Burns & Company Limited	Winnipeg St., Regina
Canada Packers Limited	601 Home Street W., Moose Jaw
Empire Meat Company Limited	330 Second Avenue S., Saskatoon
Holmes, Ltd.	Swift Current
Intercontinental Packers Ltd.	Eleventh Street, West, Saskatoon
Intercontinental Packers Ltd.	1773 Reynolds Street, Regina
Mid-West Packers Ltd.	386 — 8th Ave., Yorkton
Treen's Packers Ltd.	133 Central Ave., Swift Current

List of Operators of Slaughtering and Meat Packing Plants — Concluded

Name	Address
Alberta:	
Alberta Horsemeat Packer Ltd.	14 A St. N.E., Calgary
Alberta Meat Market	12165 Fort Trail, Edmonton
Alsask Processors Ltd. (Division of the Quaker Oats Co. of Canada Ltd.)	Edmonton
Burns & Company Limited	Portland Street, Calgary
Burns & Company, Limited	120th Avenue, Edmonton
Calgary Packers Ltd.	26th Ave., & 11th St. E., Calgary
Canada Packers Limited	Fort Road & 70 th Street, Edmonton
Canada Packers Limited	12907—57th Street, Edmonton
Central Abattoir	Box 323, Red Deer
Charles Slaughter Service	Stettler
City Packers Ltd.	Lethbridge
City Abattoir (Calgary) Ltd.	634—5th Ave. E., Calgary
County Abattoir	Box 513, Vulcan
Dvorkin Meat Packers Ltd.	1712—8th St., W., Calgary
Gainer, Chester D.	Western Stock Yards, Edmonton
Gainers, Limited	80th Avenue & 96th Street, Edmonton
Hill, W.T.	Lethbridge
South Peace Abattoir & Meat Co. Ltd.	Grande Prairie
Swift Canadian Company Limited	66th St., Edmonton
Union Packing Co. (Division of Swift Canadian Company Limited)	Box 159, Calgary
Victoria Packers Ltd.	12130—68th St., Edmonton
British Columbia:	
B.C. Chip Steak Co. Ltd.	331—3rd Rd., Richmond
Burns & Company, Limited	Foot of Woodland Drive, Vancouver
Canada Packers Limited	750 Terminal Avenue, Vancouver
Cariboo Meat Packing Co. Ltd.	South Fort George
Clappison Packers Ltd.	River Road, Haney
Cliff's Meats	Aldergrove
Dunrovin Rabbits	16376—24th Ave., White Rock
Fletcher's Limited	8385 Fraser Ave., Vancouver
General Meat Purveyors Ltd.	48 Water St., Vancouver
Martens, Aron	R. R. 2, Vye Rd., Abbotsford
Pacific Meat Co. Ltd.	8950 Shaughnessy St., Vancouver
Pioneer Meat Packers Ltd.	McCurdy Rd., Rutland
Puritan Canners Ltd.	1300 Vulcan Way, Richmond, B.C.
Reid Limited, James Inglis	559 Granville Street, Vancouver
Robert Curing Plant	Williams Lake
Scott's Abattoir	Morrow Rd., Agassiz
Swift Canadian Co. Ltd.	244—No. 5 Rd., Richmond

SAUSAGE AND SAUSAGE CASING MANUFACTURERS, 1960

The statistics in this section relate to the production of those firms specializing in the manufacture of these products. They do not attempt to show the total production of either sausage or casings, by far the greater proportion of which is

made in the slaughtering and meat-packing industry. In addition, it must be remembered that many small butchers and delicatessen operators make sausage and related products for sale in their own retail establishments.

TABLE 1. Principal Statistics of the Sausage and Sausage Casing Manufacturers, Representative Years, 1919 - 58 and by Provinces, 1959 and 1960

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity used	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ²
	number				dollars		
1919	14	44	43,756	2,221 ³	259,394	140,400	402,015
1920	18	71	92,018	3,840 ³	453,843	194,219	651,902
1921	22	147	169,674	6,122 ³	550,600	332,582	889,304
1926	35	246	323,493	18,955	1,449,120	662,531	2,130,606
1929	38	262	339,251	25,286	1,719,842	632,533	2,377,661
1930	40	257	328,286	24,063	1,701,441	660,536	2,386,040
1931	51	297	349,711	29,040	1,133,099	611,800	1,773,939
1934	64	393	344,613	33,390	1,408,723	662,242	2,104,355
1937	67	417	415,999	42,223	1,746,324	776,720	2,565,267
1939	65	411	388,032	44,351	1,753,907	698,543	2,496,801
1944	73	482	638,419	67,836	3,319,837	1,138,772	4,526,445
1946	74	599	794,803	85,398	4,243,599	1,827,882	6,156,879
1948	70	641	1,115,419	114,994	6,062,372	1,895,262	8,072,628
1950	77	901	1,863,027	192,723	9,494,027	3,792,368	13,479,118
1951	77	1,013	2,241,088	227,280	13,098,706	4,714,222	18,040,208
1952	78	1,126	2,527,874	251,334	11,594,221	5,561,582	17,407,137
1953	84	1,367	3,330,391	298,908	12,405,672	6,787,174	19,491,754
1954	88	1,378	3,867,718	361,320	13,635,752	9,223,215	23,159,330
1955	93	1,497	4,333,462	413,245	16,712,881	9,686,079	26,760,222
1956	103	1,778	5,171,042	544,138	19,419,869	10,204,888	30,133,379
1957	102	1,881	5,949,356	560,666	21,852,464	11,738,909	33,951,627
1958	100	1,618	5,162,294	483,337	20,694,265	11,093,288	32,116,232
1959							
Canada	90	1,575	5,238,653	472,077	19,247,487	11,475,063	31,290,912
Quebec	21	273	738,097	107,883	2,971,133	1,164,728	4,242,799
Ontario	38	809	2,702,700	234,521	9,313,142	7,433,525	17,088,082
Manitoba	8	184	671,544	40,102	3,276,391	823,029	4,126,379
British Columbia	12	198	805,043	58,827	2,566,403	1,635,998	4,263,098
Other provinces	11 ⁴	111	321,269	30,744	1,120,418	417,783	1,570,554
1960							
Canada	98	1,651	5,784,882	487,126	21,109,809	12,118,759	33,417,934
Quebec	26	344	963,552	102,372	3,659,386	1,603,402	5,351,840
Ontario	41	869	3,165,114	261,783	10,685,159	7,683,699	18,355,287
Manitoba	7	180	718,076	40,788	3,315,057	1,188,212	4,532,735
British Columbia	11	130	585,776	44,264	2,329,925	1,083,320	3,459,427
Other provinces	13 ⁵	128	352,364	37,919	1,120,282	560,126	1,718,645

¹ Figures for "Value added by manufacture" are obtained by subtracting cost of materials used and cost of fuel and electricity from value of production. In 1952 and 1953 value of shipments was used since the value of production could not be ascertained. In 1954 and 1955 value of production was computed by using the value of shipments plus or minus the increase or decrease in finished goods inventory. For 1956 and later years the change in goods in process inventory was also taken into consideration.

² Figures for 1952 and later years represent values of factory shipments.

³ Fuel only.

⁴ Newfoundland, 1; Nova Scotia, 5; New Brunswick, 2; Saskatchewan, 1; Alberta, 2.

⁵ Newfoundland, 1; Nova Scotia, 6; New Brunswick, 2; Saskatchewan, 2; Alberta, 2.

The total value of shipments of specialized sausage and sausage casing manufacturers in 1960 was \$33,417,934, an increase of 6.7 p.c. over 1959. Shipments of sausage, including pork sausage, bologna and frankfurters all declined in both quantities and values, while increases were shown for wieners, salami and blood pudding. Other products including sausage casings advanced in values.

In 1960, there were 98 establishments reporting, 8 more than in 1959. Cost of materials, fuel and elec-

tricity, salaries and wages and value added by manufacture as well as shipments were higher in 1960 than in 1959.

The Industry is concentrated to a great degree in Ontario which had over 55 p.c. of the total value of shipments. Quebec, Manitoba and British Columbia accounted for 16.0 p.c., 13.5 p.c. and 10.3 p.c. respectively, while other provinces shipped 5.2 p.c. of the total.

TABLE 2. Factory Shipments by Sausage and Sausage Casing Manufacturers, 1959 and 1960

Kind		1959	1960
Sausage	lb.	18,755,683	17,672,366
	\$	7,532,538	7,219,819
Bologna	lb.	7,621,378	7,494,859
	\$	2,125,451	2,095,473
Frankfurters	lb.	4,472,402	2,967,794
	\$	1,545,539	1,019,027
Wieners	lb.	5,663,590	6,265,540
	\$	2,180,401	2,376,680
Salami	lb.	5,596,538	8,912,972
	\$	3,511,795	5,007,382
Blood pudding	lb.	1,016,749	2,010,183
	\$	277,069	521,808
Sausage casings	\$	¹	¹
Other products	\$	14,118,119	15,177,745
Total value	\$	31,290,912	33,417,934

¹ Confidential. Included in "Other products".

TABLE 3. Materials Used by Sausage and Sausage Casing Manufacturers, Canada, 1959 and 1960

Kind		1959	1960
Meat	lb.	45,802,718	49,421,702
	\$	13,363,206	14,152,594
Flour	lb.	1,653,064	1,829,808
	\$	231,466	238,746
Spices	lb.	481,993	445,187
	\$	286,670	311,861
Casings, animal	\$	761,490	766,030
Casings, synthetic	\$	527,736	547,712
Other materials	\$	2,614,561	3,770,873
Containers and other packaging materials	\$	824,628	961,911
Operating, maintenance and repair supplies	\$	610,291	310,932
Amount paid out for custom work	\$	27,439	49,150
Total value	\$	19,247,487	21,109,809

List of Sausage and Sausage Casing Manufacturers

Name	Address
Newfoundland:	
Parsons & Sons, R.F.	St. John's
Nova Scotia:	
Canada Packers Ltd.	18 Mitchell St., Halifax
Dacre Brand Sausage Co.	Alexandra St., Sydney
Eastern Sausage Reg'd., The	Glance Bay
Ideal Sausage Co.	81 Johnston St., Sydney
Lynenburg Pudding & Sausage Ltd.	54 Jubilee Rd., Bridgewater
Superior Sausage Co.	Union Highway, Scotchtown
New Brunswick:	
Huttges' Sausages	St. Martins
Sticklen Ltd., E.S.	Saint John St., Chatham
Quebec:	
Beaudin, Arthur	5789, rue Briand, Montréal
Belmont Foods Ltd.	3580 Chambly St., Montreal
Bilopage Inc.	80 - 6ième rue, Limoilou, Québec
Boudin Perfection	6368, de Châteaubriand, Montréal
Boudin Ideal Trottier & Mainville	4304, rue Parthenais, Montréal
Brunet Inc., Les Produits	8637, rue Drolet, Montréal
Canada Packers Ltd.	195 De La Couronne Ave., Quebec
Canpodian Casing Corporation	4995 Angers St., Montréal
Charcuterie Hygienique Enr.	27, rue St-Francois, Ouest, Québec
Dionne Sausage Company, Saucisse	440, rue Sicard, Montréal
European Sausage	1742 Richardson St., Montreal
Fantino & Mondello Ltd.	294 Port Royal West, Montreal
Fortier Ltée, O.	10216, rue Lajeunesse, Montréal
Gaudreau & Frères	Magog
Leong Jung Company	92 Lagauchetière St., W., Montreal
Levitt's Strictly Kosher Delicatessen Products	4420 St. Dominique St., Montreal
Melnick's Delicatessen Food Products Reg'd	2190 Ontario St., E., Montreal
Produits Gano Enr.	18 Laurier Ave., Victoriaville
Produits 4 Etoiles Enr., Les	74, rue St-Luc Chicoutimi
Provincial Pickled Tongues	5909 Papineau Ave., Montreal
Sepp's Sausage & Delicatessen Co.	4444 Colonial St., Montreal
Supreme Sausage Corp.	5149 Marquette St., Montréal
Taillefer & Fils Inc.	2180 Papineau Ave. Montreal
Trépanier, Laurent	14, rue St-Laurent, St-Eustache
Venetian Salami Co. Ltd.	130 Beaumont St., Montreal
Ontario:	
Arvebo Meats	North St. Glencoe
Aubrey, R.H.	Store - No. 6 - Market Square Bldg., Ottawa
Belvedere Salami Company	544 Wentworth St. N., Hamilton
Best Packers	456 Gerrard St. E., Toronto
Bittner Packers Ltd.	21 Medulla Ave., Etobicoke
Caldwell's Foods Ltd.	45 Ripley Ave., Toronto
Canada Packers Limited	795 University Ave., Windsor
Chatham Packing Company	20 Adelaide Street, S., Chatham
Darrigo's Italian Food Products Ltd.	16 Jutland Rd., Toronto
Kwinter Foods	248 Simcoe St., Toronto
Loblaws Groceries Co., Limited	Fleet & Bathurst St., Toronto
M. & G. Salami & Sausage Co.	975 Tecumseh Rd., Sandwich W.
Mazur, Adam	1577 Dupont St., Toronto 9
Morrison Meat Packers Co., Ltd.	1219 King Street East, Kitchener
Niagara Sausage & Meat Products Ltd.	R.R. 4, Welland
Northern Produce (Sudbury) Ltd.	308 Draper St., Sudbury
Ontario Meat Products	783 Queen St., W., Toronto
Oppenheimer Casing Co. of Canada, Ltd.	Stratford
Oshawa Meat Products	R.R. 3, Kingston Rd., W., Oshawa
Parkdale Sausage Co.	211 James St., N., Hamilton
Piller Sausages & Delicatessens Ltd.	R.R. 2, Waterloo
Prague Sausages	638 Queen St., W., Toronto
Ranger's Sausage	456 Aylmer St., N., Peterborough
Rudy's Sausages	91 Pelham Rd., St. Catharines

List of Sausage and Sausage Casing Manufacturers — Concluded

Name	Address
Ontario — Concluded:	
Sandwich Sausage Co.....	1567 Crawford Ave., Windsor
Scheffier Meat Packing, Rudolf	P.O. Box 26, Laurel
Schmockers Meats Ltd.	859 Burnhamthorpe Rd., Cooksville
Shopsy's Foods, Ltd.	2 Manser Rd., Weston
Shepherd's Sausages	1152 Gladstone Avenue, Ottawa
Soloway's Star Meat Products Ltd.	664 Richmond St., W., Toronto
Strauss Sausage Meat & Delicatessen Market	131 Simpson St., Fort William
Superior Sausage Co.	1 A Montrose Ave., Toronto
Top's Continental Meat Products	108 Burton St., Hamilton
Toronto Sausage Plant	889 Queen St., W., Toronto
Twin City Meat Products Co.	605 McTavish St., Fort William
Union Kosher Sausage Company Ltd.	56 Lippincott Street, Toronto
United Kosher Beef Products	671 Richmond Street W., Toronto
Venetian Meat & Salami Co., Ltd.	947 Burlington St., E., Hamilton
Vienna Meat & Sausage Co.	1050 Birchmount Road, Toronto
Visking Limited (Division of Union Carbide Canada Ltd.).....	150 Colbourne St., East, Lindsay
Wagner's Sausage	90 Earl St., Hamilton
Manitoba:	
Central Products & Foods Ltd.	630 Nairn Ave., Winnipeg
Chicago Kosher Sausage Mfg., Co., Ltd.	358 Flora Avenue, Winnipeg
Frontier Meat & Sausage Co., The	350 Ross Ave., Winnipeg
Ideal Sausage	138 Rosser Ave., Brandon
Manitoba Sausage Mfg., Co., Limited	691 Dufferin Avenue, Winnipeg
Smith's Corn Beef & Sausage Mfg. Co., Ltd.	261 Flora Ave., Winnipeg
Superior Sausage Co.	441 King St., Winnipeg
Saskatchewan:	
European Meat Products Ltd.	308-20th St., W., Saskatoon
Fuhrmann & Company Ltd.	1501 Tenth Avenue, Regina
Alberta:	
Old Country Sausage Shop	813-1st Ave., N.E., Calgary
Van's Meat Supply Ltd.	9328 Jasper Ave., Edmonton
British Columbia:	
B.C. Fancy Sausage Co., Ltd.	1435 East Georgia St., Vancouver
Economy Sausage Co., Ltd.	141 Hawkes Avenue, Vancouver
Freybe Bros. Mfg. Ltd.	325 Railway St., Vancouver
Home Fancy Sausages	264 East Hastings St., Vancouver
Kam Yen Jan (1948) Limited	223 Keefer Street, Vancouver
Luigi's Sausages	1901 W-1st Ave., Vancouver
Made-Rite Sausage Co., Ltd.	1221 Vulcan Way Lulu Island, B.C.
Prince George B.C. Fancy Sausage	820-4th Ave., Prince George
Sohnel Fancy Sausages Ltd.	3585 Main St., Vancouver
Vancouver Fancy Sausage Co., Ltd.	795 West 16th Ave., Vancouver

ANIMAL OILS AND FATS PLANTS, 1960

Firms classified to this industry cover plants that buy animal offal, bones, etc., and render them out. Cracklings and tallow are the chief products, others being tankage, grease, meat and bone meal and hides and skins.

Data for the industry were formerly published in summary form only in "The Manufacturing Industries of Canada" and it has, therefore, been deemed expedient to present the principal statistics for the years 1921 to 1960 in Table 1. In 1960 there were 18 establishments reporting, located as follows:

Nova Scotia, 1; Quebec, 2; Ontario, 10; Manitoba, 2; Alberta, 1; and British Columbia, 2.

In 1960 the gross value of shipments was \$6,347,243, a decrease of 18.4 p.c. from the \$7,784,839 reported in 1959. Cost of materials used at \$2,721,182 decreased by 33.2 p.c. and cost of fuel and electricity at \$384,429 was 9.4 p.c. higher than in 1959. Total employment and salaries and wages increased by 3.7 p.c. and 6.4 p.c. respectively.

The value added by manufacture was \$3,224,255 in 1960, a decrease of 3.4 p.c. from the \$3,338,761 shown in 1959.

TABLE 1. Principal Statistics of Animal Oils and Fats, Plants, Representative Years, 1921-60

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity used	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ²
	number				dollars		
1921	7	33	42,064	7,348 ³	175,429	121,682	304,459
1924	5	104	120,210	28,369	350,156	148,712	527,237
1925	6	107	124,304	28,329	395,830	165,605	589,764
1926	6	111	137,880	26,910	329,303	178,907	535,120
1928	6	119	146,789	27,501	335,088	239,689	602,278
1929	5	125	145,846	25,389	310,605	194,892	530,886
1930	6	119	144,129	24,801	219,911	185,663	430,375 ⁴
1931	4	16	17,998	4,343	34,746	26,194	65,283 ⁴
1932	4	19	14,373	3,940	14,516	34,806	53,262
1934	4	21	21,590	6,127	33,612	49,761	89,500
1936	4	26	33,034	6,451	89,411	79,367	175,229
1937	5	50	57,151	12,101	135,793	95,756	243,650
1939	5	68	76,506	26,496	163,078	122,459	312,033
1941	7	104	136,238	39,698	262,463	281,842	584,003
1942	7	122	182,448	57,421	417,733	413,399	888,553
1943	8	117	192,432	60,340	500,157	374,390	934,887
1944	8	117	216,711	65,632	538,711	410,974	1,015,317
1945	8	130	251,782	76,772	634,279	389,670	1,100,721
1946	8	148	282,372	71,490	639,978	467,612	1,179,080
1947	9	171	383,933	95,802	974,180	723,088	1,793,070
1948	9	208	500,580	125,837	1,578,942	918,559	2,623,338
1949	11	214	509,901	121,070	935,105	849,100	1,905,275
1950	14	292	731,936	205,925	1,798,600	1,071,524	3,076,049
1951	14	343	1,023,989	239,583	2,644,751	1,684,344	4,568,678
1952	16	318	990,554	250,592	1,700,937	1,478,785	3,430,314
1953	15	300	959,473	218,147	1,473,868	1,684,397	3,376,412
1954	15	328	1,069,386	248,214	2,772,368	2,461,046	5,429,970
1955	15	351	1,148,021	290,196	3,141,751	2,458,548	5,912,675
1956	16	329	1,183,210	311,402	2,450,415	2,400,120	5,174,412
1957	17	347	1,272,209	366,112	2,792,703	2,813,567	5,933,578
1958	18	378	1,451,279	348,023	3,647,463	3,510,100	7,381,294
1959	18	379	1,631,869	351,303	4,071,684	3,338,761	7,784,839
1960	18	393	1,642,304	384,429	2,721,182	3,224,255	6,347,243

¹ Figures for "Value added by manufacture" are obtained by subtracting cost of materials used and cost of fuel and electricity from value of production. In 1952 and 1953 value of shipments was used since the value of production could not be ascertained. In 1954 and 1955 value of production was computed by using the value of shipments plus or minus the increase or decrease in finished goods inventory. For 1956 and later years the change in goods in process inventory was also taken into consideration.

² Figures for 1952 and later years represent value of factory shipments.

³ Fuel only.

⁴ The decrease between 1930 and 1931 was caused by the transfer of three firms to other industries.

TABLE 2. Factory Shipments, 1959 and 1960

Product	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Cracklings and tankage	lb. 37,329,162	1,730,507	39,617,773	1,289,566
Meal, bone and meat	" 20,527,860	946,891	24,387,190	874,689
Tallow and grease	" 64,546,787	4,224,358	70,040,194	3,974,898
Hides and skins	—	29,718	—	20,561
Other products	—	853,365	—	187,529
Total value of shipments	—	7,784,839	—	6,347,243

List of Establishments in the Animal Oils and Fats Industry

Name	Address
Nova Scotia:	
Maritime Processing Co. Ltd.	Truro
Quebec:	
Gentilly Rendering Inc.	Gentilly, Co. Nicolet
Longueuil Meat Exporting Co. Ltd.	Rivière-des-Prairies
Ontario:	
Banner Rendering & Packing Co. Ltd.	100 Glen Scarlett Rd., Toronto
Dundas Valley Food Products Ltd.	P.O. Box 60, Dundas
Darling & Company of Canada Ltd.	Park & Whitehall Sts., Chatham
McAlpin Rendering	McAlpin
Ontario Rendering Co. Limited	Dundas
Rowan Bros.	1 Market St., Toronto
St. Lawrence Rendering Co. Ltd.	Cornwall
Toronto Tallow Refinery	645 King St., E., Toronto
Young Limited, Gordon	554 Lakeshore Blvd., Toronto
Young (Elmira) Ltd., Gordon	Elmira
Manitoba:	
Mid-West Rendering Ltd.	607 Dawson Rd., St. Boniface
Gateway—Winnipeg Rendering Co. Ltd.	347 Dupuy St., St. Boniface
Alberta:	
Edmonton Rendering Co. Ltd.	13912-92nd Ave., Edmonton
British Columbia:	
Island Processing Ltd.	Westholme
Young (B.C.) Ltd., Gordon	470 Kent Ave., Vancouver

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