

CATALOGUE No.

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ANNUAL



# SLAUGHTERING AND MEAT PROCESSORS 1961

## INCLUDING

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

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

## ANNUAL CENSUS OF MANUFACTURES

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### SYMBOLS

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

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

## EXPLANATORY NOTES

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

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

### Period Covered

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

### Establishment

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

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

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

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

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

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

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

### Employees

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

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



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

### Salaries and Wages

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

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

### Cost of Fuel and Electricity

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

### Materials and Supplies Used

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

### Factory Shipments

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

on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

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

### Inventories

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

### Value added by Manufacturing

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

### Standard Industrial Classification

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

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

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

### Short Forms

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

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

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



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Distribution by Firm Size Compiled for Slaughtering and Meat Processors, 1961

Establishments reporting on	Number of establishments	Percentage of total number of establishments	Value of factory shipments	Percentage of total value of shipments
			\$	
Long forms .....	160	66.1	1,065,929,869	98.6
Short forms .....	82	33.9	14,983,279	1.4
<b>Total establishments .....</b>	<b>242</b>	<b>100.0</b>	<b>1,080,913,148</b>	<b>100.0</b>



# SLAUGHTERING AND MEAT PROCESSORS

1961

In the preceding pages of Explanatory Notes a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the establishment (reporting unit; see Explanatory Notes) apply to 1961 and succeeding Annual Census of Manufactures reports. Implementation of both features has necessitated adjustments to the statistics. To maintain comparability of principal

statistics for recent years a special insertion, with applied adjustments back to 1957 is shown in Table 1 and Table 14.

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

**TABLE 1 .Principal Statistics of Slaughtering and Meat Packing Plants in Canada  
Representative Years, 1924 -59 and by Provinces, 1957 - 61**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>1</sup>
Basis: Standard Industrial Classification in use prior to 1960							
	number		dollars				
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	1,445,331	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 .....	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 .....	180	26,866	115,970,251	6,551,600	900,504,627	222,648,120	1,135,900,829

See footnotes at end of Table.

**TABLE 1. Principal Statistics of Slaughtering and Meat Packing Plants in Canada**  
**Representative Years, 1924-59 and by Provinces, 1957-61 — Concluded**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>1</sup>
Basis: Revised Standard Industrial Classification and New Establishment Concept							
	number		dollars				
<b>1957</b>							
Atlantic Provinces .....	10	719	2,490,058	232,350	18,248,313	..	22,332,808
Quebec .....	44	4,895	17,386,820	1,243,182	153,012,296	..	181,299,305
Ontario .....	56	9,067	33,934,012	2,322,662	247,475,128	..	313,594,244
Manitoba .....	9	3,042	11,732,284	669,417	82,298,301	..	106,469,053
Saskatchewan .....	9	1,297	4,755,869	314,340	28,051,668	..	38,656,281
Alberta .....	16	4,001	15,109,874	541,155	122,623,319	..	148,615,566
British Columbia .....	12	1,566	6,279,995	422,030	47,860,403	..	57,199,775
<b>Canada .....</b>	<b>156</b>	<b>24,587</b>	<b>91,688,912</b>	<b>5,745,136</b>	<b>699,569,428</b>	<b>..</b>	<b>868,167,032</b>
<b>1958</b>							
Atlantic Provinces .....	10	747	2,512,526	228,122	20,223,922	3,812,447	24,239,119
Quebec .....	52	5,408	19,998,663	1,391,592	187,944,206	43,112,292	230,528,149
Ontario .....	63	8,852	36,983,042	2,463,886	296,907,747	60,393,543	359,364,224
Manitoba .....	10	3,199	12,488,731	640,200	102,331,902	21,794,575	123,906,423
Saskatchewan .....	10	1,361	5,350,647	341,417	36,602,149	10,366,775	47,274,414
Alberta .....	17	4,046	16,136,180	572,876	139,155,653	26,709,182	165,469,332
British Columbia .....	11	1,571	6,286,379	330,573	48,503,943	9,285,980	57,850,848
<b>Canada .....</b>	<b>173</b>	<b>25,184</b>	<b>99,756,168</b>	<b>5,968,666</b>	<b>831,669,522</b>	<b>175,474,794</b>	<b>1,008,632,509</b>
<b>1959</b>							
Atlantic Provinces .....	9	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	46,620,072	244,911,176
Ontario .....	63	9,358	41,072,100	2,592,596	316,461,748	62,341,782	382,881,793
Manitoba .....	10	3,246	14,171,796	715,193	109,910,478	27,999,880	139,341,873
Saskatchewan .....	10	1,500	6,577,425	386,806	44,822,811	13,957,921	59,149,801
Alberta .....	19	4,210	18,247,123	611,557	148,928,683	38,437,543	189,330,951
British Columbia .....	12	1,407	6,466,364	319,163	47,053,371	10,203,880	57,860,370
<b>Canada .....</b>	<b>175</b>	<b>26,343</b>	<b>113,053,216</b>	<b>6,372,200</b>	<b>881,370,710</b>	<b>203,462,030</b>	<b>1,097,768,522</b>
<b>1960</b>							
Atlantic Provinces .....	12	824	3,150,107	240,337	19,224,581	6,396,559	25,587,829
Quebec .....	63	5,737	23,638,381	1,525,181	186,204,804	44,088,344	230,564,913
Ontario .....	71	9,388	41,580,333	2,510,841	300,496,110	65,103,374	367,527,761
Manitoba .....	11	2,895	13,324,872	713,470	97,772,159	22,141,470	120,345,787
Saskatchewan .....	10	1,357	6,180,349	368,630	38,278,783	10,309,132	48,949,197
Alberta .....	21	3,838	17,854,141	673,234	137,899,556	32,241,774	170,415,382
British Columbia .....	16	1,575	7,343,013	347,292	48,961,290	11,960,237	60,779,242
<b>Canada .....</b>	<b>204</b>	<b>25,614</b>	<b>113,071,196</b>	<b>6,378,985</b>	<b>828,837,283</b>	<b>192,240,890</b>	<b>1,024,170,111</b>
<b>1961</b>							
Atlantic Provinces .....	13	882	3,520,343	269,018	23,539,545	5,950,658	29,684,449
Quebec .....	86	5,467	23,331,270	1,505,549	193,437,906	44,929,888	239,064,019
Ontario .....	80	9,198	41,178,427	2,564,490	311,160,405	62,097,075	375,578,959
Manitoba .....	12	2,783	13,217,218	714,513	105,991,968	17,682,160	124,053,295
Saskatchewan .....	10	1,428	6,456,160	368,248	44,221,184	10,345,587	55,061,309
Alberta .....	20	3,840	17,941,108	707,100	164,790,568	31,341,400	196,263,439
British Columbia .....	21	1,477	7,280,719	373,190	50,680,542	10,393,459	61,207,678
<b>Canada .....</b>	<b>242</b>	<b>25,075</b>	<b>112,925,245</b>	<b>6,502,108</b>	<b>893,822,118</b>	<b>182,740,227</b>	<b>1,080,913,148</b>

<sup>1</sup> Prior to 1952 basis of collection was "Value of production".

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

TABLE 2. Opening and Closing Inventories, 1961

Province	Supplies		Raw materials, goods in process or finished products				Total	
			At plant		Apart from plant			
	Opening <sup>1</sup>	Closing	Opening <sup>1</sup>	Closing	Opening <sup>1</sup>	Closing	Opening <sup>1</sup>	Closing
	dollars							
Atlantic Provinces .....	442,051	637,315	789,668	864,440	—	—	1,231,719	1,501,755
Quebec .....	1,885,872	1,906,420	7,240,804	8,050,128	1,884,451	2,293,069	11,011,127	12,249,617
Ontario .....	2,569,834	2,750,063	13,640,432	13,883,443	180,054	144,667	16,390,320	16,778,173
Manitoba .....	685,318	641,648	4,560,804	4,896,150	4,938	41,788	5,251,060	5,579,586
Saskatchewan .....	436,500	458,779	2,288,351	2,162,061	7,345	—	2,732,196	2,620,840
Alberta .....	915,808	1,215,313	5,614,682	6,190,311	95,179	40,070	6,625,669	7,445,694
British Columbia .....	492,445	488,614	2,166,103	2,405,616	754	1,045	2,659,302	2,895,275
Canada .....	7,427,828	8,098,152	36,300,844	38,452,149	2,172,721	2,520,639	45,901,393	49,070,940

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

TABLE 3. Number and Cost of Principal Animals<sup>1</sup> Slaughtered  
in Slaughtering and Meat Packing Industries, 1937-61

Year		Beeves	Sheep and lambs	Hogs	Calves	Total
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
1961 .....	No.	2,093,868	634,842	6,261,779	764,126	9,754,615
	\$	388,201,919	10,249,824	258,507,187	37,702,365	694,661,295

<sup>1</sup> Excludes horses.



TABLE 4. Employees and their Earnings by Provinces, 1961

Province	Average					Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Atlantic Provinces .....	136	33	562	151	882	786, 573	2, 733, 770	3, 520, 343
Quebec .....	1, 053	233	3, 505	676	5, 467	6, 998, 268	16, 333, 002	23, 331, 270
Ontario .....	1, 324	565	5, 717	1, 592	9, 198	10, 367, 606	30, 810, 821	41, 178, 427
Manitoba .....	465	122	1, 879	317	2, 783	3, 434, 279	9, 782, 939	13, 217, 218
Saskatchewan .....	218	60	935	215	1, 428	1, 321, 953	5, 134, 207	6, 456, 160
Alberta .....	617	194	2, 440	589	3, 840	4, 540, 342	13, 400, 766	17, 941, 108
British Columbia .....	221	64	950	242	1, 477	1, 849, 653	5, 431, 066	7, 280, 719
Canada .....	4, 034	1, 271	15, 988	3, 782	25, 075	29, 298, 674	83, 626, 571	112, 925, 245

TABLE 5. Shipments of Selected Commodities, 1942 - 61

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 <sup>1</sup> .....	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	51,168	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	411,145	81,527	93,272	226,963	65,694	153,903
1956 .....	781,997	415,290	88,652	97,205	242,624	57,302	163,495
1957 .....	857,427	371,802	91,114	85,987	245,648	62,952	163,039
1958 .....	869,869	465,770	82,688	96,596	259,987	60,936	167,884
1959 .....	824,051	604,717	69,869	102,775	270,892	163,694	161,266
1960 .....	910,163	506,312	78,946	109,095	278,207	71,130	169,972
1961 .....	1,032,805	472,120	80,194	103,948	285,602	63,333	134,950

<sup>1</sup> Prior to 1949 the figures represent production.



TABLE 6. Factory Shipments, Slaughtering and Meat Packing Plants, 1961

Product shipped	Quantity	Selling value of factory shipments
		\$
<b>Meats sold fresh and fresh-frozen:</b>		
Beef .....	1,032,805,298	394,647,595
Mutton and lamb .....	38,355,038	14,302,740
Pork .....	472,120,018	174,954,301
Veal .....	80,193,850	33,182,854
Other meats, fancy meats, and offal .....	133,317,838	33,781,451
<b>Totals, fresh and frozen meats .....</b>	<b>1,756,792,042</b>	<b>650,868,941</b>
<b>Poultry sold fresh and fresh-frozen .....</b>	<b>53,254,253</b>	<b>20,697,337</b>
<b>Cured and smoked meats:</b>		
Beef, salted or cured .....	8,580,798	..
Pork, salted or cured (n.o.p.) .....	26,410,882	..
Bone-in hams, uncooked .....	14,755,786	..
Bone-in hams, cooked .....	21,040,524	..
Boneless hams, uncooked .....	14,633,597	..
Boneless hams, cooked .....	18,672,934	..
Side bacon, sliced .....	55,509,379	..
Side bacon, (piece) unsliced .....	33,469,292	..
Back bacon, sliced .....	8,227,802	..
Back bacon, (piece) unsliced (including artificial casing) .....	6,741,409	..
Picnics .....	28,832,023	..
Cottage rolls and butts .....	25,783,867	..
Other smoked meat items .....	14,734,933	..
<b>Totals, cured and smoked meats .....</b>	<b>277,393,226</b>	<b>147,845,224</b>
<b>Sausage and cooked meats (including loaves and jellied meats but excluding hamburger, ground beef and chopped-suet):</b>		
Fresh sausage, pure pork .....	32,080,774	13,548,464
Fresh sausage, other .....	20,635,823	8,030,419
Bologna .....	70,816,887	20,730,025
Wieners and frankfurters .....	84,621,436	32,172,500
Salami .....	5,489,844	3,496,856
Blood pudding .....	1,407,221	373,080
Sausage casings .....	..	3,844,522
Boiled ham, cooked .....	17,880,410	15,908,449
Other sausage and cooked meats .....	52,670,124	26,216,306
<b>Totals, sausage and cooked meats .....</b>	<b>285,602,519</b>	<b>124,320,621</b>
<b>Canned meats, all kinds (including poultry) .....</b>	<b>63,333,398</b>	<b>29,927,375</b>
<b>Lard .....</b>	<b>112,225,128</b>	<b>16,729,333</b>
<b>Animal oils and fats:</b>		
Greases .....	2,567,618	133,732
Neatsfoot oil .....	358,210	58,639
Tallow, edible .....	34,804,834	3,528,546
Tallow, inedible .....	101,042,872	5,915,159
Other animal oils and fats .....	6,050,583	839,530
<b>Animal foods:</b>		
Cat foods .....	867,081	124,031
Dog foods .....	20,722,684	2,077,733
Fox foods .....	5,638,518	381,820
Mink foods .....	696,657	33,431
Other animal foods .....	14,576,822	732,056

TABLE 6. Factory Shipments, Slaughtering and Meat Packing, 1961 - Concluded

Product shipped	Quantity	Selling value of factory shipments
		\$
Tankage, primary:		
Bones, edible .....	lb. 1,672,415	26,853
Bones, inedible .....	" 19,937,280	443,771
Bones, green .....	" 12,284,825	185,677
Dried blood, edible and inedible .....	" 8,946,658	470,489
Hooves and horns .....	" 1,193,965	11,468
Tankage, dry rendered .....	" 62,724,587	2,523,330
Tankage, wet rendered .....	" 4,843,253	83,966
Tankage, other .....	" 6,108,650	268,270
Tankage, secondary:		
Blood meal .....	" 6,104,442	331,969
Bone flour and bone meal .....	" 3,515,050	137,661
Meat meal .....	" 67,431,938	2,948,566
Feeding tankage .....	" 11,991,711	432,669
Tanking, other .....	" 308,420	14,875
Cattle hides .....	No. 1,913,656	15,311,097
Horse hides .....	" 26,386	215,061
Sheep skins .....	" 619,370	963,020
Calf skins .....	" 588,237	3,597,454
Hair and bristles:		
Cattle tail hair .....	lb. 309,300	35,864
Coil-dried and processed hog hair .....	" 257,297	32,692
Other hair and bristles .....	" 202,259	29,116
All other products .....	...	57,409,764
Amount received for custom or contract work .....	...	2,900,690
<b>Total value of factory shipments .....</b>	<b>...</b>	<b>1,092,587,830</b>
Less adjustment for sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above .....	...	11,674,682
<b>Adjusted total .....</b>	<b>...</b>	<b>1,080,913,148</b>

TABLE 7. Shipments of Selected Commodities - All Industries, 1960 and 1961

Product shipped	1960		1961	
	Quantity	Selling value of factory shipments	Quantity	Selling value of factory shipments
	lb.	\$	lb.	\$
Margarine .....	163,506,026	34,360,146	194,779,045	43,348,636
Shortening:				
Containing some animal fat .....	93,788,630	19,583,443	84,020,104	18,457,293
Containing some marine oils .....	17,096,649	3,307,044	13,134,796	2,644,558
Wholly vegetable .....	66,212,018	14,798,537	88,164,005	20,005,429
Refined oils:				
Coconut .....	11,138,643	2,137,066	19,287,143	2,983,873
Cottonseed .....	18,713,081	3,523,556	20,784,610	3,970,610
Peanut .....	3,245,831	939,389	3,220,991	829,828
Rapeseed .....	1		1	
Soya-bean .....	60,357,321	7,094,967	50,807,057	8,047,583
Other vegetable, n.e.s. ....	94,007,226	15,649,384	59,878,771	12,714,056
Animal, n.e.s. ....	2		2	
Marine, n.e.s. ....	2		2	
Other refined oils, n.e.s. ....	17,479,908	2,498,132	28,238,984	4,128,109

<sup>1</sup> Included with "Other vegetable oils, n.e.s."<sup>2</sup> Included with "Other refined oils, n.e.s."

TABLE 8. Materials Used in Slaughtering and Meat Packing Plants, 1961

Materials	Quantity		Cost at plant of materials used
	No.	lb.	\$
Beeves slaughtered .....	1,841,298	963,705,141	345,443,746
Sheep and lambs, slaughtered .....	622,712	27,046,148	10,054,711
Hogs, slaughtered .....	6,040,239	952,832,814	249,608,485
Calves, slaughtered .....	596,911	82,351,734	30,583,506
Total dressed meats, fresh or partially processed, including poultry .....		435,476,941	150,280,993
Vegetable oils, crude:			
Coconut oil .....		14,536,597	..
Cottonseed oil .....		30,466,619	..
Palm oil .....		21,901,243	..
Peanut oil .....		3,998,091	..
Rapeseed oil .....		11,255,464	..
Soya-bean oil .....		48,143,682	..
Other vegetable oils .....		1,624,630	..
Vegetable oils (refined) .....		3,520,373	..
<b>Total vegetables oils</b> .....		<b>135,446,699</b>	<b>19,224,086</b>
Animal oils and fats .....		57,045,269	6,454,572
Marine oils .....		43,569,740	4,169,012
Cheese .....		3,509,000	1,087,790
Flour .....		6,906,192	439,333
Seasonings (pepper, spice, etc.) .....		...	2,919,172
Salt .....		121,070,225	1,150,820
Sugars .....		7,612,346	439,295
Sausage casings, animal .....		...	2,841,814
Sausage casings, artificial .....		...	4,320,744
Fruits .....		..	123,822
Vegetables .....		..	735,183
Containers, wrappings, cases, etc. ....		...	29,248,864
Operating, maintenance and repair supplies .....		...	5,942,274
All other materials <sup>1</sup> .....		...	27,825,383
Amount paid out for custom killing .....		...	928,513
<b>Total</b> .....		<b>...</b>	<b>893,822,118</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$11,918,655 in 1961 and this amount is included in "All other materials". The value of shipments of these small establishments was \$14,983,279.

TABLE 9. Production Workers, by Months, 1961

	Male	Female	Total
January .....	15,025	3,507	18,532
February .....	14,802	3,397	18,199
March .....	14,984	3,535	18,519
April .....	15,079	3,598	18,677
May .....	15,555	3,948	19,503
June .....	15,900	4,158	20,058
July .....	16,335	4,173	20,508
August .....	16,305	4,098	20,403
September .....	16,053	3,806	19,859
October .....	16,282	3,748	20,030
November .....	15,965	3,582	19,547
December .....	15,002	3,398	18,400
Average for establishments reporting monthly detail <sup>1</sup> .....	15,612	3,747	19,359
Average estimated for small establishments <sup>2</sup> .....	376	35	411
Average for all establishments .....	15,988	3,782	19,770

<sup>1</sup> The number of production workers, by months, was collected only for large establishments.

<sup>2</sup> The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 10. Principal Statistics of Slaughtering and Meat Packing Plants, grouped according to Number of Employees, 1961

Employee group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
Under 5 employees .....	35	101	223,974	32,942	3,798,151	4,353,618
5 to 14 .....	78	665	1,941,845	236,124	21,719,362	26,151,712
15 " 49 .....	60	1,657	5,808,334	570,324	66,808,678	80,945,316
50 " 99 .....	16	1,096	4,362,305	340,332	62,440,490	72,014,408
100 " 199 .....	19	2,615	10,940,124	794,074	89,270,327	109,385,643
200 " 499 .....	20	6,030	28,605,294	1,343,862	212,389,111	255,383,156
500 " 999 .....	10	6,538	29,977,829	1,402,980	232,677,688	281,994,266
1,000 and over .....	4	6,373	31,065,540	1,781,470	204,718,311	250,685,029
Totals .....	242	25,075	112,925,245	6,502,108	893,822,118	1,080,913,148



TABLE 11. Principal Statistics of Slaughtering and Meat Packing Plants, grouped according to Size of Shipments, 1961

Shipment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Under \$100,000 .....	34	126	264,611	37,856	1,055,983	1,537,182
\$ 100,000 to \$ 199,999 .....	29	193	488,612	53,211	3,573,097	4,402,984
200,000 " 499,999 .....	42	452	1,441,088	146,324	11,480,492	14,191,162
500,000 " 999,999 .....	39	930	3,076,848	338,009	20,359,610	27,417,488
1,000,000 " 4,999,999 .....	47	2,440	9,347,205	792,808	91,822,673	110,987,303
5,000,000 and over .....	51	20,934	98,306,881	5,133,900	765,530,263	922,377,029
<b>Totals</b> .....	<b>242</b>	<b>25,075</b>	<b>112,925,245</b>	<b>6,502,108</b>	<b>893,822,118</b>	<b>1,080,913,148</b>

TABLE 12. Principal Statistics of Slaughtering and Meat Packing Plants classified by Type of Ownership, 1961

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Individual ownership .....	55	318	740,918	104,585	9,533,790	11,280,093
Partnerships .....	21	193	472,789	49,203	6,873,771	8,062,407
Incorporated companies .....	162	24,093	109,973,181	6,157,916	859,171,299	1,040,269,025
Co-operative associations .....	4	471	1,738,357	190,404	18,243,258	21,301,623
<b>Totals</b> .....	<b>242</b>	<b>25,075</b>	<b>112,925,245</b>	<b>6,502,108</b>	<b>893,822,118</b>	<b>1,080,913,148</b>

TABLE 13. Consumption of Fuel and Electricity, 1961

	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: <sup>1</sup>		
Bituminous coal:		
(a) From Canadian mines .....	ton	2,219
(b) Imported .....	"	51,771
Sub-bituminous coal (from Alberta mines only) .....		—
Anthracite coal .....	ton	842
Lignite coal .....	"	42,470
Coke .....		—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	2,799,731
Fuel oil including kerosene or coal oil .....	"	11,731,940
Wood .....	cord	852
Gas (a) Liquefied petroleum gases .....	Imp. gal.	250,512
(b) Other manufactured gas .....	Mcf.	2,605
(c) Natural gas .....	"	3,420,704
Other fuel .....		...
Electricity purchased .....	kwh.	265,203,406
Steam purchased .....	lb.	141,441,339
2. Estimate for establishments for which no data were collected: <sup>2</sup>		
Cost of fuel and electricity .....	...	154,336
3. All establishments:		
Total cost of fuel and electricity .....	...	6,502,108

<sup>1</sup> Large establishments.<sup>2</sup> Small establishments.

# SAUSAGE AND SAUSAGE CASING MANUFACTURERS

1961

**TABLE 14. Principal Statistics of the Sausage and Sausage Casing Manufacturers,  
Representative Years, 1929 - 59 and by Provinces, 1957 - 61**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity used	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>1</sup>
	Basis: Standard Industrial Classification in use prior to 1960						
	number		dollars				
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 .....	90	1,575	5,238,653	472,077	19,247,487	11,475,063	31,290,912
	Basis: Revised Standard Industrial Classification and New Establishment Concept						
	number		dollars				
1957							
Canada .....	96	1,843	5,826,653	543,163	21,500,137	11,568,871	33,394,136
Quebec .....	20	468	1,415,749	130,706	6,044,424	2,898,909	9,093,856
Ontario .....	46	946	2,911,385	278,192	9,273,564	6,330,347	15,642,316
Manitoba .....	10	162	551,676	49,151	2,941,861	605,951	3,601,038
British Columbia .....	11	181	712,422	57,411	2,329,039	1,387,471	3,771,864
Other Provinces .....	9	86	235,421	27,703	911,249	346,193	1,285,062
1958							
Canada .....	93	1,571	5,024,229	465,400	20,271,095	10,932,513	31,519,353
Quebec .....	22	260	656,225	91,975	3,078,306	1,155,974	4,323,642
Ontario .....	40	845	2,739,752	248,516	9,933,997	7,384,137	17,431,758
Manitoba .....	10	185	630,242	44,708	3,544,679	746,776	4,324,999
British Columbia .....	11	188	732,635	53,523	2,584,680	1,247,729	3,888,918
Other Provinces .....	10	93	265,375	26,678	1,129,433	397,897	1,550,036

See footnotes at end of table Page 19.

**TABLE 14. Principal Statistics of the Sausage and Sausage Casing Manufacturers, Representative Years, 1929-59 and by Provinces, 1957-61 — Concluded**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity used	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>1</sup>
Basis: Revised Standard Industrial Classification and New Establishment Concept — Con.							
	number		dollars				
<b>1959</b>							
Canada .....	83	1,536	5,134,710	454,463	18,896,567	11,358,126	30,802,346
Quebec .....	20	257	689,994	97,685	2,827,572	1,146,315	4,068,277
Ontario .....	35	802	2,691,038	233,174	9,268,156	7,418,939	17,026,953
Manitoba .....	8	184	671,544	40,102	3,276,391	823,029	4,126,379
British Columbia .....	10	191	789,655	57,636	2,484,044	1,615,706	4,159,100
Other Provinces .....	10	102	292,479	25,866	1,040,404	354,137	1,421,637
<b>1960</b>							
Canada .....	91	1,605	5,667,775	470,132	20,743,761	11,967,313	32,896,905
Quebec .....	25	329	911,489	92,586	3,517,414	1,557,736	5,167,416
Ontario .....	38	862	3,153,314	261,346	10,640,498	7,667,921	18,293,971
Manitoba .....	7	180	718,076	40,788	3,315,057	1,188,212	4,532,735
British Columbia .....	9	122	561,537	40,984	2,228,839	1,066,162	3,338,302
Other Provinces .....	12	112	323,359	34,428	1,041,953	487,282	1,564,481
<b>1961</b>							
Canada .....	85	1,578	5,626,637	494,003	22,020,687	11,854,110	34,134,370
Quebec .....	25	334	925,907	103,348	4,643,074	1,746,892	6,493,314
Ontario .....	36	842	3,238,384	280,246	10,992,798	7,467,531	18,506,145
Manitoba .....	6	198	734,799	45,333	3,427,742	1,211,021	4,684,096
British Columbia .....	8	109	479,091	36,737	1,774,036	1,003,539	2,814,312
Other Provinces .....	10	95	248,456	28,339	1,183,037	425,127	1,636,503

<sup>1</sup> Prior to 1952 basis of collection was "Value of production".

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

**TABLE 15. Factory Shipments by Sausage and Sausage Casing Manufacturers, Canada, 1961**

Product shipped	Quantity	Selling value of factory shipments
	lb.	\$
Fresh sausage, pure pork .....	4,623,324	2,102,073
Fresh sausage, other .....	10,412,741	4,611,349
Bologna .....	10,474,781	2,647,106
Wieners and frankfurters .....	10,570,866	3,784,907
Salami .....	5,578,305	3,801,547
Blood pudding .....	2,313,217	579,917
Sausage casings .....	...	5,677,076
Boiled ham, cooked .....	441,863	337,116
Other sausage and cooked meats .....	6,124,140	3,337,963
Other products .....	...	7,295,076
<b>Total value of factory shipments .....</b>	<b>...</b>	<b>34,174,130</b>
Less adjustment for sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above .....	...	39,760
<b>Adjusted total .....</b>		<b>34,134,370</b>



TABLE 16. Materials Used by Sausage and Sausage Casing Manufacturers, Canada, 1961

Materials	Quantity	Cost of plant of materials used
	lb.	\$
Meat .....	52, 518, 790	14, 518, 578
Flour .....	1, 732, 368	177, 158
Seasonings (pepper, spice, etc.) .....	...	531, 715
Salt .....	3, 517, 895	43, 069
Sugar .....	373, 855	32, 758
Sausage casings:		
Natural, not cleaned .....	...	545, 365
Natural, cleaned .....	...	451, 650
Synthetic .....	...	530, 125
Vegetables .....	...	179, 018
Other materials <sup>1</sup> .....	...	2, 903, 235
Containers and other packaging materials .....	...	1, 008, 037
Operating, maintenance and repair supplies .....	...	1, 072, 513
Amount paid out for custom work .....	...	27, 466
<b>Total</b> .....	...	<b>22, 020, 687</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$287,501 in 1961 and this amount is included in "all other materials". The value of shipments of these small establishments was \$463,363.

TABLE 17. Employees and their Earnings, by Provinces, 1961

Province	Average					Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Canada .....	269	72	827	410	1, 578	1, 826, 693	3, 799, 944	5, 626, 637
Quebec .....	50	12	165	107	334	290, 457	635, 450	925, 907
Ontario .....	169	37	435	201	842	1, 086, 837	2, 151, 547	3, 238, 384
Manitoba .....	19	10	124	45	198	234, 022	500, 777	734, 799
British Columbia .....	15	8	53	33	109	137, 385	341, 706	479, 091
Other provinces .....	16	5	50	24	95	77, 992	170, 464	248, 456

TABLE 18. Production Workers by Months, 1961

	Establishments reporting monthly detail <sup>1</sup>		Establishments reporting quarterly detail <sup>2</sup>	
	Male	Female	Male	Female
	number			
January .....	613	338		
February .....	612	337		
March .....	623	349	146	22
April .....	627	356		
May .....	644	387		
June .....	673	405	154	24
July .....	688	412		
August .....	689	420		
September .....	677	390	155	25
October .....	676	391		
November .....	683	403		
December .....	686	402	155	25
Average for establishments reporting monthly detail .....			658	383
Average for establishments reporting quarterly detail .....			154	24
Average estimated for small establishments <sup>3</sup> .....			15	3
Average for all establishments .....			827	410

<sup>1</sup> The number of production workers, by months, was collected only for large establishments.

<sup>2</sup> The number of production workers, by quarters, was collected only for medium-size establishments.

<sup>3</sup> The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.



**TABLE 19. Principal Statistics of Sausage and Sausage Casing Plants grouped according to Number of Employees, 1961**

Employee group	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Under 5 employees .....	23	66	190,881	16,248	845,496	1,211,788
5 to 14 " .....	39	331	1,049,087	100,524	4,793,091	6,761,302
15 " 49 " .....	17	415	1,396,893	124,512	6,857,776	9,863,947
50 and over .....	6	766	2,989,776	252,719	9,524,324	16,297,333
<b>Totals</b> .....	<b>85</b>	<b>1,578</b>	<b>5,626,637</b>	<b>494,003</b>	<b>22,020,687</b>	<b>34,134,370</b>

**TABLE 20. Principal Statistics of Sausage and Sausage Casing Plants grouped according to Size of Shipments, 1961**

Shipment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Under \$25,000 .....	6	12	22,627	1,670	44,635	73,509
\$ 25,000 to \$ 49,999 .....	11	37	100,644	5,805	252,930	408,389
50,000 " 99,999 .....	10	66	163,361	14,813	488,406	774,348
100,000 " 199,999 .....	23	182	541,727	53,802	2,172,759	3,164,199
200,000 " 499,999 .....	20	245	926,889	75,424	4,343,209	6,134,171
500,000 " 999,999 .....	7	213	578,508	48,257	3,371,856	4,442,986
1,000,000 and over .....	8	823	3,292,881	294,232	11,346,892	19,136,768
<b>Totals</b> .....	<b>85</b>	<b>1,578</b>	<b>5,626,637</b>	<b>494,003</b>	<b>22,020,687</b>	<b>34,134,370</b>

**TABLE 21. Principal Statistics of Sausage and Sausage Casings Plants classified according to Type of Ownership, 1961**

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Individual ownerships .....	23	122	373,666	27,586	1,590,112	2,234,188
Partnerships .....	16	160	411,400	58,396	1,804,551	2,511,671
Incorporated companies .....	46	1,296	4,841,571	408,021	18,626,024	29,388,511
<b>Totals</b> .....	<b>85</b>	<b>1,578</b>	<b>5,626,637</b>	<b>494,003</b>	<b>22,020,687</b>	<b>34,134,370</b>

TABLE 22. Opening and Closing Inventories, 1961

	Supplies		Raw materials, goods in process or finished products		Total	
	Opening <sup>1</sup>	Closing	Opening <sup>1</sup>	Closing	Opening <sup>1</sup>	Closing
	dollars					
<b>Canada .....</b>	<b>2,140,685</b>	<b>2,429,631</b>	<b>316,041</b>	<b>550,471</b>	<b>2,456,726</b>	<b>2,980,102</b>
Quebec .....	307,664	414,149	—	—	307,664	414,149
Ontario .....	1,405,133	1,556,796	310,442	544,872	1,715,575	2,101,668
Manitoba .....	253,397	238,054	—	—	253,397	238,054
British Columbia .....	98,667	136,984	5,599	5,599	104,266	142,583
Other provinces .....	75,824	83,648	—	—	75,824	83,648

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

TABLE 23. Consumption of Fuel and Electricity, 1961

Kind	Quantity	Cost at plant
		\$
<b>1. Establishments reporting commodity detail:<sup>1</sup></b>		
Bituminous coal:		
(a) From Canadian mines .....	ton	186
(b) Imported .....		—
Sub-bituminous coal (from Alberta mines only) .....		—
Anthracite coal .....	ton	6,006
Lignite coal .....		—
Coke .....		—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	263,615
Fuel oil including kerosene or coal oil .....	"	214,341
Wood .....	cord	144
Gas (a) Liquefied petroleum gases .....	Imp. gal.	29,879
(b) Other manufactured gas .....	Mcf.	4,774
(c) Natural gas .....	"	39,506
Other fuel .....		...
Electricity purchased .....	kwh.	14,155,043
Steam purchased .....	lb.	200,000
<b>2. Establishments reporting group detail:<sup>2</sup></b>		
Cost of fuel .....	...	44,196
Cost of electricity .....	...	23,991
<b>3. Estimate for establishments for which no data were collected:<sup>3</sup></b>		
Cost of fuel and electricity .....	...	6,954
<b>4. All establishments:</b>		
Total cost of fuel and electricity .....	...	494,003

<sup>1</sup> Large establishments

<sup>2</sup> Medium-size establishments

<sup>3</sup> Small establishments

# ANIMAL OILS AND FATS PLANTS, 1961

**TABLE 24. Principal Statistics of Animal Oils and Fats Plants, Representative Years, 1924 - 61**

Basis: Standard Industrial Classification and New Establishment Concept.

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	Selling value of factory shipments <sup>1</sup>
	number			dollars			
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
1931 .....	4	16	17,998	4,343	34,746	26,194	65,283
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
1961 .....	17	451	1,856,806	476,564	4,187,030	5,321,865	9,862,305

<sup>1</sup> Value of production prior to 1952.

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

**TABLE 25. Factory Shipments, 1960 and 1961**

Product shipped	1960		1961	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Tankage, raw .....	39,617,773	1,289,566	26,859,105	1,056,840
Tankage, processed (bone and meat meal) .....	24,387,190	874,689	53,891,719	2,525,231
Tallow and grease .....	70,040,194	3,974,898	90,452,081	5,874,560
Hides and skins .....	—	20,561	—	1
All other products .....	—	187,529	—	416,411
<b>Total</b> .....	—	<b>6,377,243</b>	—	<b>9,873,042</b>
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above .....				10,737
<b>Adjusted total</b> .....				<b>9,862,305</b>

<sup>1</sup> Confidential. Included in "All other products".

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