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THE MACARONI AND KINDRED PRODUCTS INDUSTRY

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NOTICE

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

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

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

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

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

THE MACARONI AND KINDRED PRODUCTS INDUSTRY

1957

Beginning in 1952, the Bureau changed its policy with regard to the collection of statistics on the production of manufactured goods. Firms in several industries, where year-end inventory changes were known to be insignificant, were requested to report value of shipments f.o.b. plant instead of gross value of production. This changeover should result in better consumption data and should, eventually, provide industry with better statistics for economic analysis.

The statistics in this report cover plants engaged in the production of dry macaroni, spaghetti, noodles, etc. for sale as such. Canned macaroni, etc. (with cheese or tomato sauce) is produced mainly in the Fruit and Vegetable Preparations Industry.

The shipments of macaroni, spaghetti, vermicelli, noodles, etc. in this industry in 1957 amounted to 95,991,926 pounds with a selling value of

\$11,587,825 while in 1956 shipments totalled 90,074,101 pounds valued at \$11,123,911. In addition, in 1957 there were 1,008,455 pounds shipped from other industries making the total shipments 97,000,381 pounds with a value of \$11,679,894.

There were eighteen establishments operating in the industry in 1957. These were distributed by provinces as follows: Ontario 7, Quebec 5, British Columbia 3, Manitoba 2, and Alberta 1. These plants reported a total employment of 692 persons who received \$1,824,635 in salaries and wages. The cost of raw materials amounted to \$7,286,524.

The tables which follow give detailed statistics of production or shipments, employment, materials used, imports, and exports. Beginning in 1954 statistics were collected on opening and closing inventory values at each plant. The results have been summarized and are shown in Table 2.

TABLE 1. Principal Statistics of the Macaroni and Kindred Products Industry, Significant Years 1926-55 and by Provinces 1956 and 1957¹

Year and province	Estab-	Em-	Salaries	Fuel	Cost at works	Value added	Gross selling	
	lish-		wages	and	electricity	of materials	by manufac-	value of shipmen-
	No.	No.	\$	\$	\$	\$	\$	\$
1926.....	11	317	250,469	28,937	960,373	571,200	1,560,510	
1932.....	14	206	199,975	36,161	560,734	456,694	1,053,589	
1939.....	16	398	348,287	58,225	929,957	1,019,839	2,008,021	
1941.....	17	430	405,659	78,649	1,141,376	721,801	1,941,826	
1943.....	16	585	651,904	104,797	1,736,082	1,324,838	3,165,717	
1944.....	16	494	660,727	90,702	1,418,347	1,095,916	2,604,965	
1947.....	18	703	1,133,224	112,133	3,468,816	2,382,209	5,963,158	
1948.....	17	676	1,289,074	120,986	4,827,220	2,805,352	7,753,558	
1949.....	16	552	1,104,316	97,604	3,423,153	2,382,376	5,903,133	
1950.....	16	554	1,147,773	109,356	4,006,110	2,985,477	7,100,943	
1951.....	15	571	1,259,310	123,986	4,438,767	3,501,282	8,064,035	
1952.....	13	558	1,397,762	138,776	4,587,616	3,809,928	8,536,320 ²	
1953.....	14	553	1,399,242	146,364	4,787,233	3,191,101	8,124,698 ²	
1954.....	14	609	1,573,338	129,908	5,941,868	3,311,813	9,384,765 ²	
1955.....	17	672	1,758,135	156,629	5,971,292	3,846,453	9,896,911 ²	
1956								
Canada	17	658	1,875,760	192,094	6,711,530	5,222,770	12,021,712 ²	
Ontario	6	179	525,452	63,431	2,139,553	1,343,464	3,497,378 ²	
Quebec	5	369	1,112,631	98,035	3,492,957	2,998,473	6,557,145 ²	
British Columbia	3	30	50,080	4,304	118,974	70,821	193,916 ²	
Other provinces	3	80	187,597	26,324	960,046	810,012	1,773,273 ²	
1957								
Canada	18	692	1,824,635	208,379	7,286,524	5,187,273	12,734,287 ²	
Ontario	7	209	570,356	62,684	2,607,708	1,759,339	4,367,764 ²	
Quebec	5	363	1,033,519	115,783	3,636,556	2,613,544	6,408,420 ²	
British Columbia	3	37	49,785	3,807	129,975	78,728	220,545 ²	
Other provinces	3	83	170,975	26,105	912,285	735,662	1,737,558 ²	

¹ Profits or losses cannot be estimated from Census figures as no data are collected for expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

² Prior to 1952 the basis of collection was gross value of products instead of gross value of shipments.

TABLE 2. Inventory Values 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
Opening inventory: ¹	\$	\$	\$	\$
Ontario	305,409	3,639	172,486	481,534
Quebec	169,706	—	274,292	443,998
British Columbia	59,864	7,044	8,744	75,652
Other provinces	62,201	1,316	129,566	193,083
Canada	597,180	11,999	585,088	1,194,267
Closing inventory:				
Ontario	330,719	4,694	233,398	568,811
Quebec	159,204	—	231,755	390,959
British Columbia	66,693	45	7,708	74,446
Other provinces	64,685	2,538	64,838	132,061
Canada	621,301	7,277	537,699	1,166,277

¹ The opening inventory values for 1957 differ from the closing inventory published for 1956 because of transfers, discards, corrections, and addition of new firms. The figure for value added by manufacture for the previous years does not need to be altered because of such changes.

TABLE 3. Capital and Repair Expenditures, 1948-1957
(Figures prepared in General Assignments Division)

	Capital expenditures			Repair expenditures			Capital and repair expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
thousands of dollars									
1948.....			299			195			494
1949.....			355			122			477
1950.....	Breakdown not available		209	Breakdown not available		108	Breakdown not available		317
1951.....			172			126			298
1952.....			241			209			450
1953.....			395			186			581
1954.....	1	311	1	1	161	1	1	472	540
1955.....	1	680	1	1	161	1	259	841	1,100
1956.....	1	243	1	1	167	1	129	410	539
1957.....	260	588	848	1	215	1	314	803	1,117

¹ Fewer than three establishments reporting.

TABLE 4. Factory Shipments from plant in the Macaroni and Kindred Products Industry, 1942-1955
and by Provinces, 1956 and 1957¹

Year	Macaroni, spaghetti, vermicelli, noodles, etc., dry			Other products		
	Quantity		Selling value at factory	Value only		
	pounds	\$	\$	\$	\$	
1942	48, 957, 265	2, 251, 346		51, 388		
1943	60, 435, 568	3, 084, 629		81, 088		
1944	44, 425, 263	2, 484, 416		120, 549		
1945	62, 355, 790	3, 560, 247		242, 284		
1946	78, 558, 447	4, 998, 033		248, 902		
1947	79, 255, 918	5, 811, 027		152, 131		
1948	83, 130, 860	7, 629, 818		123, 740		
1949	57, 810, 831	5, 773, 372		129, 761		
1950	63, 081, 248	6, 893, 776		207, 167		
1951	67, 371, 252	7, 802, 354		261, 681		
1952	66, 775, 308	8, 231, 688 ¹		304, 632		
1953	69, 151, 488	7, 883, 198		241, 500		
1954	73, 866, 534	8, 850, 030		534, 735		
1955	78, 903, 917	9, 396, 917		499, 994		
1956						
Provinces	Macaroni, spaghetti vermicelli, noodles, etc.		Other products	Macaroni, spaghetti vermicelli, noodles, etc.		
	Quantity	Selling value at factory	Value only	Quantity	Selling value at factory	
	pounds	\$	\$	pounds	\$	
Canada ²	90, 074, 101	11, 123, 911	897, 801	95, 991, 926	11, 587, 825	1, 146, 462
Ontario	21, 877, 648	2, 709, 611	787, 767	27, 269, 855	3, 366, 890	1, 000, 874
Quebec	52, 732, 576	6, 556, 185	960	53, 383, 530	6, 375, 013	33, 407
British Columbia	677, 274	84, 842	109, 074	851, 575	108, 364	112, 181
Other provinces	14, 786, 603	1, 773, 273	—	14, 486, 966	1, 737, 558	—

¹ Prior to 1952 the basis of collection was gross value of production instead of gross value of shipments.

² The shipments of macaroni, etc. from plants in other industries amounted to 1,200,335 pounds in 1956 and 1,008,455 pounds in 1957.

TABLE 5. Materials Used in the Macaroni and Kindred Products Industry, 1956 and 1957

Materials	1956		1957	
	Quantity	Cost value	Quantity	Cost value
Flour, all kinds (including semolina)..... pound	96, 170, 006	4, 533, 561	104, 775, 303	4, 888, 804
Eggs, in shell	dozen	71, 023	36, 088	84, 986
Eggs, frozen	pound	559, 853	222, 482	562, 313
Egg powder	"	256	318	6
Milk powder	"	1, 604	300	1, 340
Salt	"	99, 404	3, 020	112, 295
Sugar	"	62, 088	4, 209	84, 771
Colouring	"	3, 265	8, 676	3, 132
Oils and shortenings	"	79, 423	19, 860	102, 286
Containers	—	—	1, 529, 753	—
All other materials	—	—	353, 263	—
Total cost of materials used ¹	—	6, 711, 530	—	7, 286, 524

¹ Does not include office supplies which amounted to \$11,191 in 1956 and \$9,483 in 1957.

TABLE 6. Employees Salaries and Wages, by Provinces, 1956 and 1957

	Average number						Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total	
	Male	Female	Male	Female					
1956			number			\$	\$	\$	
Canada	66	27	374	191	658	464,931	1,410,829	1,875,760	
Ontario	23	7	89	60	179	161,596	363,856	525,452	
Quebec	37	16	226	90	369	270,158	842,473	1,112,631	
British Columbia	2	2	13	13	30	7,237	42,843	50,080	
Other provinces	4	2	46	28	80	25,940	161,657	187,597	
1957									
Canada	53	24	406	209	692	417,200	1,407,435	1,824,635	
Ontario	16	6	108	79	209	131,357	438,999	570,356	
Quebec	32	15	228	88	363	257,449	776,070	1,033,519	
British Columbia	1	2	21	13	37	5,154	44,631	49,785	
Other provinces	4	1	49	29	93	22,240	147,735	170,975	

TABLE 7. Production Workers, by Months, 1956 and 1957

	1956			1957		
	Male	Female	Total	Male	Female	Total
number						
January	380	202	582	423	210	633
February	375	204	579	415	209	624
March	372	188	560	409	208	617
April	374	174	548	401	191	592
May	370	185	555	396	198	594
June	370	194	564	406	206	612
July	356	181	537	390	203	593
August	366	195	561	400	208	608
September	381	191	572	407	216	623
October	374	197	571	410	227	637
November	381	203	584	400	219	619
December	370	184	554	398	213	611
Monthly average	374	191	565	406	209	618

TABLE 8. Imports and Exports of Macaroni, Spaghetti and Vermicelli, 1942 - 1957

	Exports				Imports	
	Macaroni, spaghetti and vermicelli				Macaroni, spaghetti & vermicelli	
	Canned		Not canned			
	pounds	\$	pounds	\$	pounds	\$
1942	803,313	58,628	1,599,745	99,636	2,753	350
1943	245,641	17,188	1,464,483	101,781	80	31
1944	873,407	67,210	2,487,365	201,480	6,480	546
1945	1,779,731	135,112	7,360,814	559,545	620	135
1946	3,355,382	262,094	19,598,929	1,426,084	5,162	4,001
1947	5,522,022	450,085	15,407,298	1,610,705	29,239	16,109
1948	1,386,111	154,836	29,939,486	3,386,317	656	235
1949	349,924	36,445	2,127,590	238,802	64,368	28,165
1950	171,419	18,312	1,656,981	187,009	45,035	12,762
1951	423,534	47,008	2,164,784	253,012	170,425	47,810
1952	238,883	27,719	2,760,614	336,934	1,320,082	225,311
1953	186,893	20,851	2,593,425	321,600	1,520,436	254,029
1954	249,293	29,154	2,585,131	309,990	1,270,975	202,558
1955	225,008	30,217	2,557,992	310,599	1,316,684	213,780
1956	266,542	32,562	2,987,485	352,818	1,566,969	252,241
1957	177,454	22,902	3,340,953	396,856	1,958,384	310,557

TABLE 9. Fuel Consumption, 1956 and 1957

Kind	1956			1957	
	Quantity	Cost at plant (omit cents)	\$	Quantity	Cost at plant (omit cents)
Bituminous coal:			\$		\$
(a) From Canadian mines	ton	340	3,870	414	5,070
(b) Imported	"	—	—	—	—
Sub-bituminous coal (from Alberta mines only)	"	2	41	—	—
Anthracite coal	"	16	195	2	59
Lignite coal	"	170	1,488	180	1,469
Coke (for fuel only)	"	—	—	—	—
Gasoline	Imp. gal.	36,480	14,630	52,673	24,325
Kerosene or coal oil	" "	—	—	—	—
Fuel oil	" "	914,425	88,851	840,910	90,773
Wood (cords of 128 cubic feet of piled wood)	cord	1	12	1	11
Gas:					
(a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	—	—	—	—
(b) Other manufactured gas	M cu. ft.	725	925	921	1,152
(c) Natural gas	" "	16,290	5,077	18,357	5,305
Other fuel	—	—	1,721	—	257
Electricity purchased	kwh.	4,748,130	75,284	6,742,188	79,958
Total		—	192,094	—	208,379

List of Firms in the Macaroni and Kindred Products Industry, 1957

Name of firm	Plant address
Mafaldo Barbieri	6790 St. Lawrence Blvd., Montreal, Que.
Catelli Food Products Limited	6890 Notre Dame St. E., Montreal, Que.
Wing Hing Lung Company	1072 St. Urbain St., Montreal, Que.
Magnani Freres	9245 Blvd. Lajeunesse, Montreal, Que.
Chong Wah Noodle Mfg. Co. Reg'd	1077 Clark St., Montreal, Que.
Better Bakers	370 College St., Toronto, Ont.
Canada Food Products	225 Sterling Road, Rear, Toronto, Ont.
Catelli Food Products Ltd.	Yarmouth Road St. Thomas, Ont.
Naples Macaroni Company Ltd.	390 King St. E., Hamilton, Ont.
Ontario Macaroni Company Limited	220 Norseman St., Toronto, Ont.
Primo Macaroni Mfg. Co.	56 Manser Road, Toronto, Ont.
Toronto Macaroni and Imported Foods Ltd.	60 Hook Avenue, Rear, Toronto, Ont.
Constant Macaroni Products	254 rue Dumoulin, St. Boniface, Man.
The Creamette Co. of Canada Ltd.	283 Stanley St., Winnipeg, Man.
Catelli Food Products Limited	104 - 13th Ave., N., Lethbridge, Alberta
Famous Foods Limited	1315 East Hastings St., Vancouver 6, B.C.
Northwest Foods Products Limited	433 East Georgia St., Vancouver, 4 B.C.
Jimmy's Food Products	4295 Main St., Vancouver, 10 B.C.