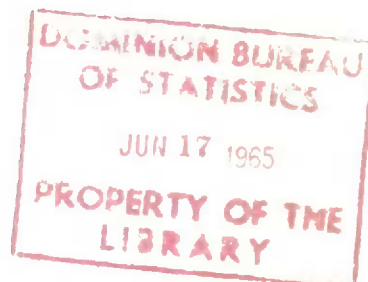


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MISCELLANEOUS FOOD INDUSTRIES

1962

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SYMBOLS

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- .. figures not available.
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MISCELLANEOUS FOOD INDUSTRIES

1962

In the pages of Explanatory Notes to be found at the end of this bulletin 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 throughout this bulletin. 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.

It was necessary, in the 1961 bulletins, to suspend publication of certain tables normally contained in this report. Of these, the list of reporting firms and the table on Capital and Repair Expenditures have been re-instated in the 1962 publications.

TABLE 1. Principal Statistics - Manufacturing Activity, 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Year	Estab- lish- ments	Employees						Cost of fuel and elec- tricity ⁴	Cost of materials and supplies used ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴
		Production and related workers ⁴		Administrative and office employees ³		Total ⁴					
		Number	Wages	Number	Salaries	Number	Salaries and wages				
	No.		\$'000		\$'000			\$'000			
1957	272	6,902	19,346	2,977	13,281	9,879	32,627	3,994	227,822	342,993	..
1958	264	6,825	20,276	2,847	14,448	9,672	34,724	4,070	223,648	353,906	127,316
1959	263	7,094	22,036	3,048	16,405	10,142	38,441	4,033	220,474	354,074	128,632
1960	272	7,424	23,180	3,219	17,772	10,643	41,053	4,260	234,374	380,942	144,205
1961	267	8,209	25,080	3,313	18,014	10,922	43,094	4,436	252,774	408,179	152,206

See footnotes following Table 3 A.

TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Year and province	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies used ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Newfoundland	1	210	466	536	106	4,999	8,633	3,612	5	14	328	1,143	3,714
Nova Scotia	10												
New Brunswick	10	337	660	697	87	7,723	12,019	4,342	11	11	408	974	4,409
Quebec	83	2,373	4,981	7,004	891	74,228	127,789	52,756	28	119	3,933	14,701	56,673
Ontario	97	3,643	7,763	13,138	2,703	114,882	188,825	72,348	13	26	5,824	25,165	75,873
Manitoba	20	382	811	1,240	293	13,312	19,904	6,013	5	12	584	2,359	7,053
Saskatchewan	1	165	340	648	160	5,762	9,238	3,143	11	11	228	970	3,189
Alberta	11												
British Columbia	35	540	1,101	1,944	207	32,969	43,323	10,454	6	18	928	3,823	10,889
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	181,999
1962													
Newfoundland	1	231	506	601	114	5,135	9,000	3,679	9	16	348	1,195	3,739
Nova Scotia	11												
New Brunswick	10	389	788	757	141	8,990	13,899	4,826	-	-	473	1,086	5,057
Quebec	88	2,431	5,217	7,530	936	82,100	142,077	60,482	27	100	4,078	16,037	64,469
Ontario	100	3,524	7,691	13,982	2,948	125,213	201,368	75,298	13	44	5,685	26,413	76,792
Manitoba	22	449	954	1,460	377	16,465	25,529	9,084	4	15	654	2,564	10,145
Saskatchewan	1	167	363	700	168	6,599	10,344	3,554	4	9	219	995	3,554
Alberta	11												
British Columbia	35	552	1,164	2,188	258	32,850	46,496	13,612	4	14	880	4,203	14,246
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See Table 2 and footnotes following Table 3 A.

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies used ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under \$10,000	17	12	10	9	4	42	86	39	12	11	16	13	41
\$ 10,000 to \$ 24,999	13	15	26	27	9	112	202	81	8	21	21	36	97
25,000 " 49,999	26	48	83	87	21	488	906	400	15	42	80	166	430
50,000 " 99,999	33	122	240	266	39	1,358	2,377	976	14	57	183	486	1,034
100,000 " 199,999	29	138	300	367	62	2,303	4,180	1,867	8	52	273	995	2,161
200,000 " 499,999	32	389	848	971	191	6,495	11,007	4,397	3	14	585	1,933	4,415
500,000 " 999,999	33	748	1,616	2,129	391	14,602	24,634	9,787	—	—	1,241	4,670	10,740
1,000,000 " 4,999,999	66	3,312	6,855	10,150	1,476	98,156	154,119	54,777	—	—	5,324	20,290	59,477
5,000,000 and over	19	2,866	6,144	11,199	2,254	130,319	212,220	80,344	—	—	3,877	16,521	83,686
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	633	4,024	(83)
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	161,999
1962													
Under \$10,000	17	8	12	12	4	43	84	38	8	15	11	14	39
\$ 10,000 to \$ 24,999	20	32	60	64	11	196	361	157	9	25	47	99	214
25,000 " 49,999	29	55	109	115	28	598	1,107	479	29	89	81	182	527
50,000 " 99,999	23	71	157	188	43	908	1,750	828	7	36	116	367	867
100,000 " 199,999	33	178	363	457	51	2,784	4,765	2,015	8	32	303	1,005	2,268
200,000 " 499,999	36	453	966	1,126	226	7,448	12,116	4,666	—	—	670	2,227	5,262
500,000 " 999,999	34	754	1,608	2,125	378	15,803	26,183	10,073	—	—	1,180	4,523	10,300
1,000,000 " 4,999,999	64	2,997	6,438	9,661	1,465	95,122	147,911	51,857	—	—	4,987	20,105	55,813
5,000,000 and over	23	3,195	6,972	13,470	2,734	154,451	254,437	100,423	—	—	4,311	19,951	102,907
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	631	4,021	(194)
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See footnotes following Table 3 A.

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies used ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under \$10,000	34	34	47	48	16	407	574	130	20	33	49	74	168
\$ 10,000 to \$ 24,999	34	81	145	175	35	955	1,598	603	23	69	119	287	626
25,000 " 49,999	29	109	225	244	33	1,551	2,558	984	8	41	187	540	1,214
50,000 " 99,999	27	173	389	454	92	2,698	4,728	2,031	9	54	310	1,043	2,148
100,000 " 199,999	34	435	910	1,214	201	13,968	18,985	4,869	—	—	730	2,595	5,306
200,000 " 499,999	43	1,230	2,626	3,123	486	31,219	45,499	13,915	—	—	1,927	6,866	16,260
500,000 " 999,999	27	1,206	2,547	3,608	524	32,365	51,919	18,980	—	—	1,845	6,668	20,053
1,000,000 " 4,999,999	34	3,059	6,335	10,908	2,213	117,255	183,092	64,751	—	—	4,625	19,232	66,806
5,000,000 and over	6	1,323	2,896	5,433	848	53,456	100,778	46,405	—	—	1,808	7,807	49,501
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	633	4,024	(83)
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	161,999
1962													
Under \$10,000	38	41	73	70	15	326	530	193	21	44	56	100	250
\$ 10,000 to \$ 24,999	30	56	115	129	31	748	1,275	498	27	96	88	204	548
25,000 " 49,999	31	113	242	297	39	2,002	3,159	1,111	9	43	194	618	1,242
50,000 " 99,999	29	196	381	452	79	3,085	5,070	1,995	4	14	299	916	2,164
100,000 " 199,999	40	589	1,296	1,622	267	16,919	22,673	5,693	—	—	895	3,114	6,473
200,000 " 499,999	39	934	1,977	2,470	397	23,304	35,962	12,230	—	—	1,533	5,803	14,001
500,000 " 999,999	35	1,641	3,488	5,245	953	52,672	78,129	25,079	—	—	2,586	10,401	26,043
1,000,000 " 4,999,999	30	2,675	5,754	10,039	2,111	113,565	178,607	64,196	—	—	4,004	17,568	66,016
5,000,000 and over	7	1,498	3,358	6,894	1,051	64,732	123,307	59,541	—	—	2,049	9,748	61,459
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	631	4,021	(194)
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See footnotes following Table 3 A.

TABLE 1D. Principal Statistics classified by Size Groups based on Total Value Added, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies used ⁶	Value of shipments of goods of own manu- facture ⁷	Value added ⁸	Working owners and partners ⁹		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under \$10,000.....	31	55	82	81	20	542	791	206	16	20	75	132	118
\$ 10,000 to \$ 24,999	36	72	131	161	37	932	1,563	600	25	73	111	276	635
25,000 " 49,999	30	124	250	271	32	1,570	2,604	1,001	10	49	202	542	1,041
50,000 " 99,999	26	160	361	421	91	2,583	4,525	1,949	9	54	285	950	2,001
100,000 " 199,999	32	372	789	1,037	183	12,564	17,212	4,527	—	—	596	2,160	4,612
200,000 " 499,999	43	1,139	2,423	2,926	435	29,423	42,670	12,915	—	—	1,701	5,969	13,983
500,000 " 999,999	28	1,239	2,647	3,631	519	32,605	52,254	18,914	—	—	1,901	6,749	20,646
1,000,000 " 4,999,999	36	3,166	6,541	11,245	2,282	119,998	187,334	66,160	—	—	4,921	20,525	69,344
5,000,000 and over	6	1,323	2,896	5,433	848	54,456	100,778	46,405	—	—	1,808	7,807	49,501
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	633	4,024	(83)
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	161,999
1962													
Under \$10,000.....	34	37	65	60	11	277	457	170	19	39	48	79	173
\$ 10,000 to \$ 24,999	31	54	112	123	30	718	1,237	493	27	91	88	200	531
25,000 " 49,999	31	101	214	272	40	1,815	2,920	1,056	9	42	170	542	1,116
50,000 " 99,999	30	209	411	475	78	3,219	5,133	1,926	6	25	318	927	2,109
100,000 " 199,999	37	529	1,165	1,410	255	14,721	19,832	5,055	—	—	737	2,532	5,271
200,000 " 499,999	41	871	1,838	2,383	373	22,304	34,546	11,848	—	—	1,450	5,565	13,243
500,000 " 999,999	35	1,652	3,532	5,148	903	50,230	74,020	23,463	—	—	2,663	10,511	25,111
1,000,000 " 4,999,999	32	2,539	5,455	9,707	2,177	110,169	173,134	62,013	—	—	3,817	17,045	63,874
5,000,000 and over	8	1,751	3,893	7,641	1,074	73,899	137,433	84,510	—	—	2,415	11,072	66,769
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	631	4,021	(194)
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See footnotes following Table 3 A.

TABLE 1E. Principal Statistics classified by Size Groups based on Total Employed,¹² 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies used ⁶	Value of shipments of goods of own manu- facture ⁷	Value added ⁸	Working owners and partners ⁹		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under 5 employees.....	69	83	159	173	45	1,698	2,864	1,196	42	101	127	318	1,266
5- 14 employees	58	263	526	684	101	6,701	11,156	4,339	14	77	464	1,629	4,595
15- 49 "	73	1,397	2,907	4,154	782	45,298	68,095	21,833	4	19	2,102	8,037	23,008
50- 99 "	37	1,854	3,978	6,175	1,458	67,393	103,107	34,381	—	—	2,745	10,820	35,771
100-199 "	21	1,852	3,806	5,852	739	63,995	100,049	36,323	—	—	3,039	11,586	39,606
200-499 "	10	2,201	4,745	8,169	1,322	68,789	124,460	54,594	—	—	3,123	12,721	57,836
500 employees and over													
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	633	4,024	(83)
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	161,999
1962													
Under 5 employees.....	70	92	178	205	65	1,523	2,563	1,055	40	128	134	320	1,166
5- 14 employees	66	300	641	854	112	8,853	13,608	4,672	—	—	505	1,850	5,042
15- 49 "	71	1,312	2,762	3,945	710	47,517	69,303	21,383	21	69	2,004	7,885	22,808
50- 99 "	36	1,785	3,843	6,273	1,585	73,818	108,982	34,572	—	—	2,530	10,584	36,059
100-199 "	26	1,956	4,220	6,773	1,068	67,588	115,344	47,838	—	—	3,413	14,426	49,936
200-499 "	10	2,298	5,040	9,169	1,400	78,052	138,912	61,015	—	—	3,120	13,406	63,186
500 employees and over													
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	631	4,021	(194)
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See footnotes following Table 3 A.

TABLE 1 F. Principal Statistics classified by Type of Organization, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and electricity ⁵	Cost of materials and supplies used ⁴	Value of shipments of goods of own manufacture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁴
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Individual ownerships	32	75	152	141	23	753	1,353	584	30	97	97	217	602
Partnerships	14	18	39	39	12	536	842	292	30	100	30	68	321
Incorporated companies	221	7,557	15,930	25,026	4,413	252,585	409,536	151,791	—	—	11,473	44,826	161,158
Cooperatives	1												
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	633	4,024	(83)
Totals	268	7,650	16,121	25,207	4,447	253,874	409,731	152,668	60	197	12,233	49,134	161,999
1962													
Individual ownerships	29	42	83	88	19	537	980	421	27	92	59	139	448
Partnerships	17	34	70	67	35	592	924	331	34	105	47	107	413
Incorporated companies	231	7,667	16,531	27,084	4,887	276,224	446,809	189,783	—	—	11,600	48,227	177,336
Cooperatives	2												
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	631	4,021	(194)
Totals	279	7,743	16,684	27,218	4,941	277,353	448,713	170,535	61	197	12,337	52,493	178,003

See footnotes following Table 3 A.

TABLE 2. Industry Outputs, Inputs and Value Added, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Item	1961	1962
	\$'000	
Manufacturing activity:		
Value of shipments—Goods of own manufacture	409,731	448,713
Add: Closing inventory—Goods in process	1,853	1,666
Finished goods	22,847	28,406
Deduct: Opening inventory—Goods in process	1,449	1,851
Finished goods	21,992	24,105
Gross output—Manufacturing activity	410,990	452,829
Deduct: Cost of materials and supplies used in manufacturing activity	253,874	277,353
Cost of fuel and electricity used	4,447	4,941
Value added—Manufacturing activity	152,668	170,535
Non-manufacturing activities:		
Value of shipments—Goods not of own manufacture .....	..	36,692
Add: All other revenue .....	..	486
Closing inventory—Goods purchased for resale	3,199	2,678
Deduct: Purchases of goods for resale as such .....	..	28,480
Opening inventory—Goods not of own manufacture	2,845	2,447
Cost of all other materials and supplies used .....	..	1,461
Value added—Non-manufacturing activities	9,331	7,468
Total value added	161,999	178,003

See footnote following Table 3 A.

TABLE 3. Employment and Payroll, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office ^{6,9}		Sales, and distribution ⁹		Total employees ^{7,9}		Production and related workers		Adminis- trative and office	Sales, and distri- bution	Total salaries and wages
	Manufacturing ⁴		Other ⁵												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
1961	number										\$'000				
Newfoundland	113	97	..	..	..	..	..	..	205	123	536	..	..	..	1,143
Nova Scotia	134	203	..	..	..	..	..	..	179	229	697	..	..	..	974
New Brunswick	1,292	1,081	..	..	..	..	..	..	2,477	1,456	7,004	..	..	..	14,701
Quebec	2,444	1,199	..	..	..	..	..	..	3,963	1,861	13,138	..	..	..	25,165
Ontario	226	156	..	..	..	..	..	..	372	212	1,240	..	..	..	2,359
Manitoba	—	5	..	..	..	..	..	..	1	5	7	..	..	..	13
Saskatchewan	117	43	..	..	..	..	..	..	166	56	641	..	..	..	958
Alberta	275	265	..	..	..	..	..	..	562	366	1,944	..	..	..	3,823
British Columbia															
Totals	4,601	3,049	..	..	..	..	..	..	7,925	4,308	25,207	..	..	..	49,134
1962															
Newfoundland	113	118	—	—	37	24	52	4	202	146	801	—	329	265	1,195
Nova Scotia	166	223	—	—	25	27	32	—	223	250	757	—	202	126	1,086
New Brunswick	1,314	1,117	—	1	510	355	747	34	2,571	1,507	7,530	1	4,745	3,761	16,037
Quebec	2,368	1,156	39	8	786	512	734	82	3,927	1,758	13,982	247	7,728	4,456	26,413
Ontario	252	197	—	—	57	55	91	2	400	254	1,460	—	619	485	2,564
Manitoba	—	4	—	—	1	—	—	1	1	5	12	—	2	3	17
Saskatchewan	124	39	—	—	32	13	4	1	160	53	688	—	267	24	979
Alberta	291	261	—	—	88	80	156	4	535	345	2,188	—	1,006	1,009	4,203
British Columbia															
Totals	4,628	3,115	39	9	1,536	1,066	1,816	128	8,019	4,318	27,218	248	14,898	10,129	52,493

See footnotes following Table 3 A.

TABLE 3 A. Production and Related Workers,⁴ - Manufacturing Activity, by Months, 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Month	Establishments reporting monthly detail	
	Male	Female
	number	
January	4,381	2,900
February	4,401	2,925
March	4,401	3,017
April	4,497	3,048
May	4,518	3,138
June	4,580	3,216
July	4,506	2,883
August	4,512	2,997
September	4,533	3,048
October	4,470	3,096
November	4,415	3,080
December	4,403	2,914
Average for establishments reporting monthly detail (collected only for large establishments)	4,476	3,028
Average for small establishments (only annual averages collected)	152	87
Monthly averages	4,628	3,115

¹ See Table 2 and Explanatory Notes concerning manufacturing and non-manufacturing activities.

² See Explanatory Notes.

³ This category, in this table only, includes working owners and partners. Since administrative and office employees are engaged in a variety of activities they have been excluded from manufacturing activity beginning with the revised 1961 series shown in the following tables. They are included here for purposes of comparison with the tabulations of previous years.

⁴ Conceptually identical to previous years. See Explanatory Notes.

⁵ Cannot be reported separately for manufacturing and non-manufacturing activities but related substantially to manufacturing activity. Identical concept to previous years.

⁶ Working owners and partners were included with administrative and office employees in the "Manufacturing series" published in former years. See Explanatory Notes.

⁷ Includes production and related workers, administrative and office employees, sales distribution and other employees. See Explanatory Notes for the treatment of head office employees and those employed in auxiliary units.

⁸ Value of total shipments and other operational revenue less total cost of materials, supplies, fuels used and purchases of products and materials for re-sale in the same condition; all adjusted for inventory changes where required. See Table 2 and Explanatory Notes.

⁹ Sales and distribution workers and production workers (non-manufacturing) are included for the first time as a result of the full implementation of the new definition of the establishment. The figures for production workers (non-manufacturing), administrative and office employees and sales and distribution workers are not yet available for 1961 but form part of total employees. Sales and distribution workers may include some employees that are reported as part of a manufacturing establishment but are not working at the establishment's location. Head offices, sales offices, etc., which report separately are included in the figures for the province in which they are located.

¹⁰ These data cover the activities reported by separately located units such as head offices, sales offices, administrative offices, laboratories, warehouses, etc. Such units do not usually constitute separate "establishments" as they do not normally generate all the necessary elements of input and output statistics. However, they are treated as extensions of manufacturing establishments and, in the case of individual industries, may be located in provinces where no processing plants are situated. For the most part, these units contribute only to costs of operations (mainly salaries and wages) and they are included here to provide completeness and consistency of the statistics. See Explanatory Notes which deal with Single and Multi establishments for a complete explanation of procedures.

¹¹ Confidential data.

¹² Includes paid employees and working owners, but excludes unpaid family workers.

Note: Figures may not add due to rounding.

TABLE 4. Materials and Supplies Used in Manufacturing Activity, 1962

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Description		Quantity	Cost
			\$'000
1. Materials used:			
Calcium acid phosphate	lb.	525,608	71
Sodium aluminum sulphate	"	261,624	29
Sodium bicarbonate	"	2,830,445	116
Starch:			
(a) Corn	"	8,523,972	808
(b) Potato	"	951,720	108
Other baking powder materials	"	837,022	107
Cream of tartar, crude	"	215,063	63
Tartaric acid	"	30,866	11
Citric acid	"	1,736,442	479
Flour, all kinds	"	114,059,105	5,186
Vanillin	"	34,750	105
Vanilla beans	"	37,845	342
Coffee beans, green	"	156,217,569	58,081
Prepared cocoanut	"	1,289,235	280
Cocoa	"	4,466,892	1,092
Chocolate	"	152,330	62
Cocoanut oil	"	16,626,589	2,629
Cottonseed oil	"	12,102,332	2,209
Corn oil	"	6,733,530	1,686
Soya bean oil	"	46,150,121	6,981
Other oils	"	58,470,210	9,167
Fresh fruits, all kinds	"	3,177,489	493
Dried fruits, all kinds	"	783,441	167
Canned and preserved fruits, all kinds	"	2,576,759	472
Fruits in brine	"	3,430,267	829
Concentrated flavours (fruit, vanilla, etc.)	"	..	1,032
Alcohol (including duty)	pf. gal.	120,218	305
Essential oils	"	..	648
Oleo resins	lb.	12,932	75
Ethers	"	1,039	1
Fruit juices	gal.	82,849	226
Eggs, in shell	doz.	7,090,293	2,164
Eggs, frozen	lb.	645,272	316
Egg powder	"	507,027	642
Milk powder, condensed and evaporated milk	"	9,345,723	850
Milk and cream	gal.	10,732,298	2,343
Salt	lb.	36,240,038	424
Sugar	"	101,205,053	7,780
Gelatine	"	1,602,840	1,180
Glucose	"	7,062,540	519
Invert sugar	"	1,019,972	92
Dextrose	"	4,869,265	529
Corn syrup	"	606,111	64
Maple syrup and sugar	"	5,421,608	1,437
Molasses	"	53,536,657	931
Spices, used in manufacturing	"	2,233,161	539
Spice materials, all kinds	"	6,560,500	2,557
Peanuts, green, for roasting	"	28,973,411	3,725
Roasted peanuts	"	1,442,515	217
Nuts, other	"	1,449,092	835
Pectin	"	178,023	227
Malt	"	3,392,286	208
Malt sprouts	"	-	-
Malt extract	lb.	119,566	25
Caramel	"	32,725	52
Other food colouring	"	376,164	521
Olives in bulk	gal.	112,863	233

¹ See Explanatory Notes.

TABLE 4. Materials and Supplies Used in Manufacturing Activity, 1962 - Concluded

Description		Quantity	Cost
			\$'000
1. Materials used - Concluded:			
Vinegar, used in manufacturing	gal.	564,510	194
Grains, all kinds	lb.	1,498,505,344	43,255
Glycerine	"	74,991	24
Tea, loose	"	42,629,337	27,562
Potatoes	"	367,996,971	5,887
Soya beans	"	971,916	44
Pickles, relishes, etc.	"	598,244	81
Shortening (butter, lard, etc.)	"	15,962,022	3,069
Ammonium phosphate	"	345,264	54
Ammonium sulphate	"	178,456	5
Aqua ammonia	"	2,555,575	42
Yeast	"	202,061	71
Caustic soda	"	4,242,678	188
Gums (Karaya, tragacanth, acacia, etc.)	"	115,127	55
Mono-sodium glutamate	"	1,249,544	1,057
Raisins, currants, etc., for cleaning and packaging	"	3,349,014	515
All other materials and components used ² .....		...	26,329
2. Containers and other packaging materials and supplies used			41,972
3. Operating, maintenance and repair supplies used (excluding fuel)			4,154
4. Amount paid out to others for work done on materials owned by establishments			525
Total			277,353

² No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. In 1962 these estimated costs were \$2,840,651.

TABLE 5. Fuel and Electricity Used¹ in Manufacturing Activity,² 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept³

Description		Quantity	Cost
			\$'000
1. Large establishments which reported commodity detail:			
Bituminous coal:			
(a) From Canadian mines	ton	13,002	169
(b) Imported	"	32,059	385
Sub-bituminous coal (from Alberta mines only)	"	36	1
Anthracite coal	"	116	2
Lignite coal		-	-
Coke	ton	257	7
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	1,591,291	604
Fuel oil including kerosene or coal oil	"	10,782,740	1,050
Wood		-	-
Gas:			
(a) Liquefied petroleum gases	Imp. gal.	136,544	33
(b) Other manufactured gas		-	-
(c) Natural gas	M cu. ft.	2,417,534	1,138
Other fuel		"	"
Electricity purchased	kwh.	136,785,733	1,219
Steam purchased .....		...	226
2. Estimate for small establishments for which no data were collected:			
Fuel and electricity .....		...	105
3. All establishments:			
Total fuel and electricity used .....		...	4,941

¹ Does not include fuel and electricity produced for own use.

² Includes only fuel and electricity purchased. Conceptually identical to previous years in that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

³ See Explanatory Notes.

TABLE 6. Shipments of Goods of Own Manufacture, 1962
 Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Description	Quantity	Value
		\$'000
1. Products:		
Almond paste	3	3
Baking powder	3	3
Cream of tartar, refined	lb. 171,334	144
Coffee, roasted	3	3
Coffee, instant	lb. 15,076,115	32,226
Confectionery, all kinds	3	3
Corn starch, edible, laundry, etc.	3	3
Corn syrup	3	3
Sauces for meats, etc.	3	3
Eggs, frozen	3	3
Egg powder, plain and sugared	3	3
Egg substitute	3	3
Flavours, extracts, concentrates, etc. (for bakers', confectioners' and household use)	gal. 278,377	3,705
Flavours, extracts, concentrates, emulsions, etc. (to be used in manufacturing soft drinks)	3	3
Food colours	3	3
Food/drink powders	lb. 11,688,995	5,410
Glucose	3	3
Maraschino cherries	lb. 1,285,056	804
Other fountain fruits	3	113
Icings, icing and candy mixes	3,967,648	982
Jams and jellies	7,699,140	1,741
Marmalades	3	3
Malt (barley, etc.)	3	3
Malt extract and syrup	3	3
Malt flour	3	3
Margarine and margarine substitutes	lb. 130,213,804	29,019
Mince/ment	3	3
Mustard, prepared	3	3
Olives, bottled, etc.	3	3
Pie filling, apple	3	3
Pie filling, other (peach, cherry, etc.)	lb. 3,242,759	957
Powders (pie filling, pudding, etc.)	3	3
Powders, custard	3	3
Powders, jelly	lb. 17,984,870	7,364
Powders, all other	3	3,636
Peanuts, roasted, salted, etc.	3,780,405	1,239
Other nuts, roasted, salted, etc.	1,212,409	894
Peanut butter	3	3
Potato chips, frills, etc. (factory made)	3	3
Potato starch and flour	3	3
Prepared cake mixes	lb. 17,907,647	3,874
Other prepared mixes (doughnut, pastry, etc.)	3	8,349
Rice, cleaned and polished	54,944,833	3
Salad and mayonnaise dressing	3	3
Seasoning, dry	lb. 4,808,781	2,359
Meat curing salts, and compounds	3	588
Popcorn and popcorn confectionery	1,147,848	873
Flour preparations for sausage fillings, etc.	10,627,487	1,877
Syrups, table	3	3
Syrups, fountain, fruit, beverage, etc.	gal. 530,985	1,484
Spices, ground, mixed, etc.	lb. 8,452,027	8,336
Sugar butter	3	3
Tea, blended, packed, etc.	3	3
Yeast, fresh and dried	3	3
Yeast food and bread improver	3	3
Raisins, currants and dates, cleaned, packaged, etc.	3	3
All other products .....	...	337,713
2. Amount received in payment for work done on materials and products owned by others		734
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above		(3,291)
Net adjustment for establishments receiving progress payments ²		-
Total adjusted value of shipments and work done		448,713

¹ See Explanatory Notes.

² See footnote 1, Table 7.

³ Confidential, included in "All other products."

TABLE 7. Industry Inventories, 1962¹
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Province	Manufacturing				Non-manufacturing	Total inventories	
	Raw materials and supplies	Goods in process	Finished goods of own manufacture ⁵	Total manufacturing	Products or materials purchased for resale		
book value \$'000							
Opening: ³							
Newfoundland	}	851	69	245	1,165	8	1,173
Nova Scotia							
New Brunswick		2,531	16	695	3,242	12	3,254
Quebec		11,328	588	6,311	18,226	895	19,122
Ontario		17,550	981	12,326	30,857	1,293	32,150
Manitoba		5,199	140	2,281	7,620	94	7,714
Saskatchewan	}	3,329	—	756	4,085	6	4,091
Alberta							
British Columbia		4,692	57	1,491	6,240	138	6,378
Totals ⁴		45,479	1,851	24,105	71,435	2,447	73,883
Closing:							
Newfoundland	}	1,187	7	234	1,429	19	1,447
Nova Scotia							
New Brunswick		2,381	13	755	3,149	28	3,177
Quebec		12,236	524	7,815	20,576	1,157	21,732
Ontario		20,124	933	14,492	35,550	1,180	36,730
Manitoba		3,480	130	2,688	6,298	135	6,433
Saskatchewan	}	4,191	2	733	4,926	7	4,933
Alberta							
British Columbia		3,943	55	1,717	5,715	153	5,868
Totals ⁴		47,543	1,666	28,434	77,643	2,678	80,321

¹ Values represent book values of inventories owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained the change in these accounts is treated as a net adjustment to shipments.

² See Explanatory Notes.

³ The opening inventories may differ from the closing inventories for the previous survey year because of changes in classification, the receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

⁴ Figures may not add due to rounding.

⁵ The difference between figures in this table and those in Table 2 arises from firms reporting output of products on the basis of production rather than of shipments. Consequently, inventories of finished products for such respondents are not taken into account for purposes of compiling value added in Table 2.

TABLE 8. Shipments of Goods of Own Manufacture — All Industries, 1961 and 1962¹

Description	1961		1962	
	Quantity	Value \$'000	Quantity	Value \$'000
Bread improver and yeast food	lb. 9,073,370	971	8,664,275	972
Coffee, roasted	" 102,010,927	57,107	89,360,014	58,534
Coffee, instant	" 12,681,888	26,586	15,076,115	32,226
Egg powder	" 733,056	845	744,533	941
Flavours, extracts etc. (for bakers, confectioners and household use) ..	... ..	7,480	... ..	8,420
Flavours, extracts, concentrates, etc. (for use in manufacturing soft drinks) gal.	736,781	10,903	783,375	11,651
Margarine	lb. 194,779,045	43,349	188,900,507	40,817
Minced meat	" 4,636,361	990	5,698,412	1,251
Mustard prepared	gal. 1,610,516	2,645	1,750,556	2,849
Powders, pie filling, pudding and dessert	lb. 19,919,027	7,904	21,920,379	8,537
Powders, jelly	" 18,675,999	7,753	18,902,601	7,688
Peanut butter	" 32,270,182	10,620	36,338,873	12,742
Potato chips, factory made	" 43,512,731	28,585	49,290,598	31,905
Potato starch and flour .....	... ..	...	... ..	...
Prepared cake mixes	lb. 48,567,082 ²	9,921	57,591,828	12,476
Other prepared mixes (pastry, doughnut, cookie, etc.)	" 70,646,942	11,310	7,151,633	10,948
Salad dressing and mayonnaise	" 40,526,751	14,207	45,580,453	14,867
Sandwich relish and spread	" 4,143,676	1,698	3,840,480	1,544
Spices, ground, mixed, etc.	" 6,030,342	5,741	6,866,037	6,804
Syrups, table	" 12,584,457	1,901	14,133,855	2,203
Tea, blended, packed, etc.	" 42,960,206	50,860	43,700,462	53,726

¹ Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed above.

² Confidential data.

TABLE 9. Capital and Repair Expenditures,¹ 1960-62

Year	Capital expenditures			Repair expenditures			Total capital and repair expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
\$'000									
1960	8,040	16,989	25,029	1,731	8,974	10,705	9,771	25,963	35,734
1961	14,400	18,290	32,690	1,999	9,832	11,831	16,399	28,122	44,521
1962	4,547	8,173	12,720	1,348	5,578	6,926	5,895	13,751	19,616

¹ Includes Vegetable Oil Mills and Macaroni Manufacturers.

Source: Business Finance Division. — DBS.

List of Establishments, 1962

INDEX TO MAIN PRODUCTS

1 Coffee, roasted (instant coffee ? 40)	22 Icings
2 Tea, blended, etc.	23 Jams, jellies, marmalades, etc.
3 Spices, ground, mixed, etc.	24 Syrups (fountain, fruit, table, etc., including toppings for ice cream)
4 Baking powder	25 Raisins, currants, etc., cleaned
5 Flavouring extracts, syrups, etc.	26 Invert sugar
6 Peanut butter	27 Potato chips, etc.
7 Nuts, roasted, salted, etc.	28 Prepared cocoanut
8 Prepared mustard	29 Maple syrup and sugar
9 Jelly powders	30 Seasonings, curing compounds, etc.
10 Powders, other	31 Cereal products
11 Yeast, fresh and dried	32 Eggs, frozen
12 Cream of tartar, refined	33 Egg powder
13 Chicory, roasted	34 Olives, bottled, etc.
14 Fruits, preserved, glacé, etc.	35 Confectionery
15 Infant and invalid foods	36 Margarine
16 Food drink powders	37 Rice
17 Prepared flour and cake mixtures	38 Malt products
18 Salad dressing and mayonnaise	39 Starch and related products
19 Sandwich spread	40 Instant coffee
20 Food colours	41 Miscellaneous (including popcorn)
21 Sugar butter	

Name	Address	Main products
Newfoundland:		
Newfoundland Margarine Co. Ltd.	Le Marchant Rd., St. John's	36
Nova Scotia:		
Bryant & McDonald, Ltd.	Pickford and Black's Wharf, Halifax	2
Nick Cornish	North Main St., Trenton	41
A.I. Gavel & Co.	14 High St., Yarmouth	5
Glendale Foods Ltd.	Sheffield Mills	27
Hostess Foods, Products	New Minas	27
Java Blend Coffee & Tea	134 Hollis, Halifax	1,2,3
J.E. Morse & Co. Ltd.	253 Hollis, St., Halifax	1,2
New Flavor Food Products	East Preston	27
W.H. Schwartz & Sons, Ltd.	826 Barrington St., Halifax	1, 3, 4, 5, 6, 8, 12, 20, 25, 30, 41
Standard Brands Ltd.	Brooklyn	11
E.S. Tracey Mfg. Co.	7 Woodill, Halifax	24
New Brunswick:		
G.E. Barbour Co. Ltd.	293 Union St., Saint John	1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 25, 41
G.E. Barbour Co. Ltd.	17 North Wharf, Saint John	2
Brooke Bond (1959) Canada Ltd.	49 Mill St., Saint John	2
Hatfield Industries Ltd.	Hartland (2 plants)	27, 39, 41
Loyalist Food Products Ltd.	Renforth	5, 20
Maritime Product Co. Ltd.	St. Antoine	24
McCain Food Limited	Grand Falls	27
Stadex - Pirie Ltd.	Grand Falls (2 plants)	39
Valley Co-operative Ltd.	Grand Falls	39
H.W. Wilson Co. Ltd.	28-30 Water St., Saint John	5, 7, 23, 24
Quebec:		
J.E. Bergeron & Fila Ltée	7 St-Jean-Baptiste, Bromptonville	36
Leo Bernard, Ltée.	2472-93 rd St. Rock Forest	36
A.M. Bolduc & Fils	St. Victor de Beauce	29
J. Clovis Bleau Engr.	1729-18ième rue., Quebec	1, 2
Boudrias Frères, Ltée	359 Notre Dame St. E., Montreal	1, 2, 3, 4, 5, 8, 12, 20, 30, 41
H.C. Brill (Canada) Ltd.,	10140 Place de l'Hôtel de Ville Montreal	39
Brodie & Harvie, Ltd.	6600 Hutchison St., Outremont	5, 10, 17, 22, 41
Brooke Bond Canada Ltd.	4305 Côte de Liesse Rd., Montreal	9, 10, 17, 22, 41
Brossard Frères	6517 Jeanne-Mance, Montreal	1, 2
W.J. Bush & Co., (Canada) Ltd.	312 St. Patrick, Ville Lasalle	1, 2, 3, 41
Canada Malting Co. Ltd.	5022 St. Ambroise St, Montreal	5, 41
Canada Starch Co. Ltd.	Lennoxville	38
H. Cheney & Co. Ltd.	1457 Quinn St., Montreal	24, 29
Charles Chemicals Co., Reg'd	247 Dunbar Ave., Town of Mount Royal	41
Canadian Spice Mills	87 Sault au Matelot, Quebec	5
Compagnie Caron Inc.	41 Blvd. des Alliés, Quebec	1, 3, 7, 41
Champlain Chemicals Ltd.	Stanbridge Station	5, 9, 24
Chanteclerc Food Products	356 Rue Labelle, St. Jérôme	5, 41
Chon Wah, Noodle Mfg. Co. Reg'd.	1077 Clark St. Montreal	10
Cod-Hardi	664-8ième Ave, St. Antoine de Laurentides	41
Concentres Frontenac Engr.	1985 Ave. du Sanctuaire, Giffard	10
Mathieu D'Aoust	296 Main Buckingham	9, 10, 16, 30, 41
Arthur Depot	1458 rue Frontenac, Montreal	24
W.P. Downey, Ltd.	5105 Côte de Liesse Rd., Montreal	24, 41
Duchess Potato Chips, Ltd.	5425 Chapleau St., Montreal	5, 22, 26
Dulac Potato Chips, Inc.	9 rue St. Cyrille, Ste. Marie de Beauce	27
Empire De-hydrated Products (Canada) Ltd.	20 Bates St., Montreal	27, 41
Felton Chemical Co. Inc.	5120 Courtral St., Montreal	30, 41
Food Products Ltd.	5555 St. Patrick St., Montreal	5, 20, 24, 41
The Frito Co. of Canada	150 Blvd. Des Laurentides, Pont Viau	20, 30, 41
Alphonse Gauvin, Inc.	300 ave. St. Sacrement, Quebec	27
General Foods, Limited	90th Ave., 1a Salle & 3510 Albert St., Montreal	21, 23, 24, 35, 41
V. Girard & Cie	4336 rue Parthenais, Montreal	1, 39, 40, 41
Grappette (Canada) Ltd.	11875 rue Ethier, Montreal	4, 5, 9, 10, 20, 21, 24

List of Establishments, 1962 - Continued

Name	Address	Main products
Quebec - Concluded:		
The Great Atlantic & Pacific Tea Co., Ltd.	580 Rose de Lima St., Montreal	1
Grenache (1963) Incorporée	1504 Davidson Ave. Montreal 4	8, 21, 23, 24, 41
Independent Products Canada Ltd.	40 Bates Rd., Montreal 8	30, 41
Henri Jonas & Company	139 St. Paul St. W., Montreal	5, 41
Kearney Brothers Ltd.	147 St. Peter St., Montreal	1, 2
Laboratoire Aubry-Paris, Enrg.	6280 Cote des Neiges Rd., Montreal	5, 24, 41
La Compagnie Nationale D'Essences, Ltée	83 ave. Legrand, Laval des Rapides	41
Fred A. Lallemand & Co. Ltd.	1650 Prefontaine St., Montreal	11
Fred A. Lallemand & Co. Ltd.	Laprairie	4, 14, 22, 38, 41
La Meilleure Cie	686 Leduc St., St. Laurent	5
La Parmentier Limitée	498 des Sabies, Quebec	27
Laurentide Potato Chips Ltd.	2601 Wurtel St., Montreal	27
Les Produits Alimentaires Lapérade Inc.	Ste-Anne-de-la-Pérade	36, 41
Les Produits Blanchet Inc.	Rock Forest	36
Les Produits Dunham Ltée	Dunham	36
Thomas J. Lipton Limited	6900 Notre Dame St. E., Montreal	18, 31
London House Products, Ltd.	90 St. Paul St. W., Montreal	1, 2
Magog Potato Chips, Ltée	610 ave. Thomas, Magog	27
Manna Limitée	270 rue Queen, Montreal 3	15
Maple Leaf Potato Chips Inc.	5500 St. Hubert St., Montreal	27
Martican & Products Ltd.	950-7th Avenue, Lachine	1, 2
McLean's Food Products Ltd.	1725 Basin Street, Montreal	5, 7, 9, 10, 14, 16, 23, 24, 41
Moka Coffee Ltd.	9740 Jeanne-Mance Montreal	1
Montour Ltée	555 Port Royal W. Montreal	3, 30
Aldéric Morissette	1075 ave., Larivière, Rouyn	24
Mount Royal Rice Mills Ltd.	5120 St. Patrick St., Montreal	37
National House Coffee Ltd.	1040 Bleury St., Montreal	1, 2, 16
Norda Limited	36 St. Paul St. E., Montreal	5, 41
Nulomoline Limited	3176 Notre-Dame St. E., Montreal	26
Ocean Mills, Limited	4579 Christopher Columbus St., Montreal	1, 2, 3, 4, 5, 8, 39
Orlin's Extract Co. Ltd.	1024 Laurier Ave. W., Montreal	5
J. Wilfrid Page	64 rue Champlain, Quebec 2	1, 2, 3, 4, 41
J.R. Paris & Fils Ltée.	2525 est, rue Rachel, Montreal 34	1, 2, 5, 9, 10, 16, 23, 41
La Peptonine et F. Coursol Enrg.	10580 L'Archevêque, Montreal N.	41
Ready-to-Cook Products Ltd.	780 B Lemans, Montreal 11	27
Reckitt & Colman (Mfg.) Ltd.	2275-52nd Ave., Lachine	5, 8, 10, 41
John Ritchie Ltd.	404 St. Henry St., Montreal	5, 41
Rosa Brand Food Products	6775 Trans Island	31, 41
Rose & Laflamme, Ltd.	400 St. Paul St. W., Montreal	5, 9, 10, 14, 16, 20, 22, 23, 24, 25, 41
Royal Chips, Reg'd	Port Daniel W.	27
Salada Foods Limited	1400 Cote de Liesse Rd., Town of Mount Royal	2
H.W. Schwartz & Sons Ltd.	50 Montcalm N. Candiac	5, 6, 8, 20, 24, 35
Sirop pur de Beauce Enrg.	St. Victor	29
Sportman's Confliserie Enrg.	Mont Carmel	24
Standard Brands Limited	31 Airlie Terrace, Ville LaSalle	1, 2, 4, 9, 10, 11, 12, 40, 41
Sterling Teas & Coffees, Ltd.	9795 Waverly St., Montreal	1, 2
Steinberg's Ltd.	5400 Hochelaga St. E., Montreal 5	1, 2, 7
Stuart Bros. Co. Ltd.	3470 St. Antoine St., Montreal	5, 10, 24, 41
Sucrerie Drummond Enrg.	475 rue Leclerc, Drummondville	24, 41
Sunshine Biscuits (Canada) Ltd.	1225 Metropolitan Blvd., Lachine	27
Sutton Maple Products, Ltd.	Sutton	29
Warwick Potato Chips Inc.	rue du Moulin, Warwick	27
Western Extract Co.	180 Van Horne W., Montreal	5, 24, 41
Wilson & Keith	224 Blvd. Taché, Hull	1, 2, 3, 7, 8, 18, 24, 41
Wong Wing Food Products Co.	4450 Cote des Neiges Rd., Montreal	41
Ontario:		
G.C. Bear Ltd.	2597 Howard Ave., Windsor	5, 9, 10, 22, 41
Becharas Coffee Co. Ltd.	945 Pape Ave., Toronto	1, 2
Bell Bacon Rinds Ltd.	Paris R.R. No. 1	41
The Best Foods, (Canadian) Ltd.	Ayr	18, 19, 36
The Brantford Coffee & Spice Co.	370 Dalhousie St., Brantford	1, 3, 5, 6, 7
Canada Malting Co. Ltd.	Port Arthur	38
Canada Malting Co. Ltd.	5 Bathurst St., Toronto	38
The Canada Starch Co. Ltd.	Cardinal	20, 39, 41
The Canada Packers Co. Peanut Butter Division	1245 Martin Grove Rd., Rexdale	6, 7
Canadian Bakels Ltd.	358-360 Frankcom St., Ajax	41
D.C.A. Food Industries Ltd.	Dufferin St., Trenton	17, 41
Chocolate Products Ltd. & the Stubby Co.	335 Judson St., Toronto 18	5, 16, 24, 41
Club Coffee Co. Ltd.	129 Railside Road, Don Mills	1
Colonial Packaging Co. Ltd.	270 Davenport Rd., Toronto	7, 25, 31, 34, 41
Columbia Coffee & Tea Mfg. Co.	252 Spadina Ave., Toronto	1
Conca D'Oro Products Ltd.	577 College St., Toronto 3	1, 3, 5, 7, 14, 23, 34, 41
Confederated Foods of Canada, Limited	Delta	21, 24, 29
W. Cronfelt & Son Ltd.	Derby Rd., Crystal Beach	24
W.B. Cross Co.	360 Dufferin St., Toronto	1, 2
Dalton's (1834) Ltd.	227 Front St. E., Toronto	8, 14, 25, 28, 41
Daly Grange Teas, Ltd.	64 Dundas St., London	1, 2
Dares Foods Ltd.	35 Torbarrie Rd., Downsview	27
Michael David & Co. (Canada) Ltd.	51 Advance Rd., Toronto	5
Delft Gelatine Canada Ltd.	Carrying Place Rd., Trenton	41
Diversified Research & Sales Ltd.	151 Belfield Rd., Rexdale	4, 5, 38, 41
Dominion Malting (Ontario) Ltd.	369 Lake Shore Blvd., Toronto	38
G.S. Dunn & Company	80 Park St. N., Hamilton	3, 41
First Spice Mfg. Corp. of Canada Ltd.	98 Tycoos Dr., Toronto	3, 30, 41
Foodcraft Laboratories Ltd.	60 Duchess St., Toronto	5, 9, 10, 16, 17, 18, 23, 24, 31, 41
Food King Products of Canada Co.	R.R. No. 2, Trenton	7, 41
Frosty of Canada Ltd.	52 Fleet St., Ottawa	41
General Foods, Ltd.	520 William St., Cobourg	9, 10, 14, 41
General Mills (Cereals) Ltd.	1500 Martin Grove Rd. Rexdale, Toronto	17, 22, 31

List of Establishments, 1962 - Continued

Name	Address	Main products
Ontario - Concluded:		
Gibbons Foods Ltd.	49 Advance Rd., Toronto 9	5, 9, 10, 16, 24, 31, 41
Glenwood Products Limited	72 Duchess St., Toronto	3, 5, 41
Gold Medal Products Ltd.	21 Front St. E., Toronto	1, 2, 3, 5, 6, 8, 9, 10, 12, 20, 31, 41
Gorman, Eckert & Co. Ltd.	316 Rectory St., London	3, 5, 6, 7, 8, 14, 20, 24, 34, 41
The Great Atlantic & Pacific Tea Co. Ltd.	135 Laughton Ave., Toronto 9	2, 18
The Griffith Laboratories, Ltd.	115 George St., Toronto (3 plants)	4, 5, 30, 31, 41
S. Gumpert Co. of Canada, Ltd.	31 Brock Ave., Toronto 3	4, 5, 9, 10, 16, 17, 18, 20, 22, 24, 30, 31, 41
W.T. Hawkins Ltd.	105 Pinnacle St., Belleville	27, 41
R.B. Hayhoe & Co. Ltd.	1381 Castlefield Ave., Toronto	1, 2, 4, 5, 9, 10, 16, 17, 20, 24, 41
Hostess Food Products Ltd.	R.R. 2, Preston	27
Java Coffee & Nut Shops Ltd.	30 King St. W., Hamilton	6, 7
Jenkins' Foods	25 Macauley St. W., Hamilton	5, 9, 10, 24, 31, 41
M.R. Kelley Co. Ltd.	11 Cedar Ave., Hamilton	18
Kingsmill Foods Ltd.	14 Dickens St., Toronto North York	16, 24, 31, 41
Kingsway Chocolate Co. Ltd.	51 Advance Rd., Toronto 18	16, 24, 41
Kraft Foods Ltd.	62 Bartor Rd., N. York	31, 36, 41
Krim-Ko Corp. of Canada Ltd.	1403 The Queensway, Toronto 14	16, 24, 41
D. Lipson & Son Ltd.	579 College St., Toronto 4	32
Thomas J. Lipton, Ltd.	43 Front St. E., Toronto	2
R. Ray Lounsbury	297 Carlton St., Toronto 2	8, 41
Lever Potato Chips Co. Ltd.	Grote St., Ste. Catharines	27
R.W. Love Co. Ltd.	1 Overend St., Toronto 2B	5, 20, 24
Joe Lowe Corporation	50 Torlake Crescent, Toronto	4, 5, 10, 17, 22, 23, 24, 41
J. Lyons & Co. (Canada) Ltd.	1 Dorchester St., Toronto	1, 2, 31
MacDowell Bros.	5 Jessie St., Brockville	41
H. J. Mayer & Sons Company (Canada) Ltd.	201 E. Shepherd St., Windsor	3, 30
Mead Johnson of Canada Ltd.	133 Bleecker Ave. S. Belleville	15, 16, 41
Mojabo Coffee Co. Ltd.	500 Front St. W., Toronto	1, 2
Monarch Fine Foods Ltd.	195 Belfield Rd., Rexdale	18, 36, 41
Mother Parker's Tea & Coffee Ltd.	1275 Castelfield Ave., Toronto	1, 2
Nabob Foods (Kelly Douglas & Co.)	Ajax	1, 2, 6
Nestle (Canada) Ltd.	Main St., Chesterville	10, 16, 40, 41
Nutriproducts Ltd.	173 Brock St. N., Whitby	41
The Oglivie Flour Mills Co. Ltd.	Fort William	39, 41
Oriental Commerce Ltd.	1574 Lincoln Rd., Windsor	41
Ottens Mfg. Co.	3 Jarvis St., Toronto 2	5, 10, 41
Ovaltine Food Products, Wander Co. of Canada	Elmwood Park, Peterborough	16, 38, 41
Pillsbury Canada Ltd.	King St., Midland	17, 41
Pizzolati & Chittaro Mfg. Co. Ltd.	1838 Davenport Rd., Toronto	1, 3, 7, 35, 41
Potatocraft Limited	96 Rivalda Rd., Weston	41
George E. Rees Limited	263 Adelaide St. W., Toronto	4, 5, 9, 10, 17, 20, 22, 23, 31, 41
Rock & Rye Sales	88 Craiglee Dr., Scarborough	24, 41
Royal Beverage & Food Products Co.	58 Junction, Toronto 9	41
Sandra Instant Coffee Co. Ltd.	Dixie	40
Salada Foods Ltd.	24 Matilda St., Toronto	5, 9, 10, 16, 22, 23, 24, 27, 41
Seeley & Co. (Canada) Ltd.	39 Densley Ave., Toronto 15	5, 41
J.R. Short Canadian Mills Ltd.	70 Wicksteed Ave., Leaside	30, 41
Stafford Foods Ltd.	37 Hanna Ave., Toronto	3, 5, 9, 10, 14, 16, 17, 18, 20, 23, 24, 31, 34, 41
Standard Brands Ltd.	Guelph	38, 41
Standard Brands Ltd.	Ingersoll	36
Stange-Pemberton Ltd.	99 Advance Rd., Toronto 18	3, 20, 30, 31
St. Lawrence Starch Co. Ltd.	Port Credit	39, 41
J. Hungerford Smith Co. Ltd.	110 Vulcan St., Rexdale	14, 16, 31, 24, 41
The Sterling Coffee Co. Ltd.	191 John St., Toronto	1, 2
Sun Brite Products Ltd.	Barber-Green Rd., Don Mills	36
Sunshine Biscuits (Canada) Ltd.	195 Rexdale Ave., Rexdale	27, 41
Sunshine Biscuits (Canada) Ltd.	3255 Wyandotte St. E., Windsor	27, 41
Sunway Fruit Products Inc.	670 Caledonia Rd., Toronto	10
The W. & G. Teer Co.	4 Newsham St., Toronto	24, 41
Tempo Fruit Products	75 Yorkminster, Willowdale	16
Tenco Ltd.	144 Mills Rd., Ajax	40
Thomas Foods, Ltd.	2551 Wharton Glen Rd., Summerville	8, 14, 41
Tudor Products	308 MacKenzie, Atikokan	24
United Maple Products Ltd.	Main St. Delta	24
Ware Foods Ltd.	129 Mulberry St., Hamilton	5, 7, 9, 10, 14, 16, 23, 24, 30, 31, 41
Young-Winfield, Ltd.	89 Cannon St. W., Hamilton	1, 3, 4, 5, 9, 10, 12, 20, 24, 30, 31, 41
Manitoba:		
Brooke Bond Canada Ltd.	334 McDermot Ave., Winnipeg	1, 3, 4, 5, 16
The Borden Co. Limited	Salter & Jarvis Sts., Winnipeg	32, 33
John R. Cressy Co. Ltd.	Altona	5, 20, 41
Canada Malting Co. Ltd.	1051 Coulter Ave., Winnipeg	38
Dominion Malting Co. Ltd.	Transcona	38
Elmars Citrus Flavours & Foods Ltd.	1121 Sanford St., Winnipeg 21	5
Empire Spice Mills Ltd.	173 McDermot Ave., Winnipeg	3, 5
Food Materials Ltd.	533 Henry Ave., Winnipeg	17, 41
Helen's Food Products	135 Henry Ave., Winnipeg 2	41
E. Justin Hipwell Ltd.	405 1st Street, Neepawa	24
Hunter's Manufacturing Co. Ltd.	85 Lombard Ave., Winnipeg 2	27
Irish Potato Chips Ltd.	Winkler	27
C. & J. Jones Limited	130 Portage Ave. E., Winnipeg 1	6, 7
Joe Lowe Corporation	Salter & Jarvis Streets, Winnipeg	32, 33
H.L. MacKinnon Co. Ltd.	81 Water St., Winnipeg	1, 2, 4, 9, 10
Mid West Produce Co. Ltd.	314 Logan Ave., Winnipeg	32, 33, 41
Nectar Products, Ltd.	402 Stella Ave., Winnipeg	24
Northland Wild Rice Ltd.	660 Washington Ave., East Kildonan	37
Nutsweet Packing Co. (W.H. Escott Co. Ltd.)	129 McDermot Ave., Winnipeg	6
Old Dutch Foods Ltd.	1700 Sargent Ave., Winnipeg	27, 41
Tasty Sunflower Seeds	349 Alfred Ave., Winnipeg	41
J.W. Wade	Lac du Bonnet	37

List of Establishments, 1962 - Concluded

Name	Address	Main Products
Saskatchewan:		
Sid's Sunflower Seeds Ltd.	1323 Lorne St., Regina	41
Alberta:		
Alberta Gem Foods Ltd.	Brooks	27
Canada Extract & Mfg. Co.	536 Fifth St., S.E. Medicine Hat	5
Canada Malting Co. Ltd.	Calgary	38
Chopstick Foods Ltd.	9 Parkdale Crescent, Calgary	41
Dan Dee Foods Ltd.	9530-87th St., Edmonton	27
Frozen Specialties (Western) Ltd.	731-2nd Av. S.W. Calgary	41
General Egg Products Ltd.	10517-107th St., Edmonton	33
Hepburn's Potato Chips	10828-124th St., Edmonton	27
Murphy Laboratories (Western) Ltd.	5505-6th St. S.E., Calgary	5, 9, 10, 14, 16, 23, 24, 31, 41
Spudnuts of Canada Ltd.	216-35th St. N.E., Calgary	14, 17
Standard Brands Ltd.	2201-15th St. E., Calgary	11, 36
British Columbia:		
Abbott Warehouses, Ltd.	1485 Howe St., Vancouver	1, 2
T. Amano Co.	1139 East Hastings St., Vancouver 6	41
Brooke Bond Canada Ltd.	1043 W. Hastings St., Vancouver	1, 2
The Canada Rice Mills Ltd.	1320 Montith Road, Richmond	37
Canadian Soya Industries Ltd.	2131 Dundas St., Vancouver	41
Dickson Importing Co. Ltd.	157 W. Cordova St., Vancouver 3	1
Epicure Packing Co. Ltd.	420 East Pender St., Vancouver 4	34
Gold Medal Mfg. Ltd.	1130-34 Homer St., Vancouver	5
F.C. Grantham Ltd.	420 East Pender St., Vancouver 4	41
Hol'n One Donut Co. of B.C. Ltd.	5989 Fraser St., Vancouver 15	7, 17, 41
Interprovincial Co-operatives Ltd.	6595 Bonser Ave., South Burnaby	1, 2, 6, 7
Jimmy's Food Products	4295 Main St., Vancouver	31, 41
Johnson's J.B. Coffee Co. Ltd.	4531 Main St., Vancouver 10	1, 2
Kelly Douglas & Co. Ltd. (Nabob Foods Division)	Burnaby	3, 4, 5, 9, 10, 24
Kelly Douglas & Co. Ltd. (Nabob Foods Division)	3131 Lake City Way, Burnaby 3	1, 2, 6, 40
Kersey's Foods Ltd.	2905 Douglas St., Victoria	6, 23
Kraft Foods Ltd.	3003 Grandview Highway, Vancouver	8, 18, 19, 36
Krusteaz of Canada Ltd.	2029 West 4th Ave., Vancouver	17
Langis Laboratories Ltd.	1356 E. Pender, Vancouver	9, 10, 14, 24, 31, 41
J. Lyons & Co. (Canada) Ltd.	854 Terminal Ave., Vancouver 13	1, 2
Macdonald Consolidated Ltd., Coffee Dept.	901 Mainland St., Vancouver 3	1, 2
McCall's Fine Foods Ltd.	1485 Howe St., Vancouver 1	6, 7, 41
W.A. Malkin Ltd. (Manufacturing Div.)	57 Water St., Vancouver	1, 2, 3, 4, 5, 9, 10, 24, 41
Mission Cannery Ltd.	Broadway St., Mission City	5, 9, 10, 14, 16, 23, 24, 31, 41
Morell Pure Foods	1295 Frances St., Vancouver 6	4, 5, 9, 10, 16, 24, 41
Murphy Laboratories Ltd.	4471 North Road, Burnaby	3, 5, 9, 10, 14, 16, 24, 31, 41
Murphy Laboratories (Interior) Ltd.	525 Main St., Penticton	9, 10, 16, 23, 24, 31, 41
Nalley's Limited	1330 East 66th Ave., Vancouver 15	18, 19, 24, 27, 41
New Century Produce Co. Ltd.	1168 W. Hastings St., Vancouver	32
A. Prem-Das	121 Keefer St., Vancouver	3, 5, 9, 41
Slocan Soya Co.	Slocan City	41
Thomas A. Steeves Ltd.	Annacis Island, New Westminster	17
Super Potato Chips Ltd.	510 Main St., Penticton	27
Vancouver Packaging Co. Ltd.	210 Commercial Drive, Vancouver	27, 41
Westminster Foods Ltd.	7851 Enterprise St. North Burnaby	36

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1962 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and special reports on geographical distribution and on type of ownership and size of establishments.

With the publication of the results of the 1962 Census of Manufactures, the Bureau has completed a major revision in the classification and concept of its annual census of manufacturing establishments. Because of its size and complexity, this project had to be carried out in three stages. The first stage was the change in classification and the results of the 1960 Census, together with the re-compilation of the 1957, 1958 and 1959 Censuses were published in the 1960 reports on the basis of the revised Standard Industrial Classification. This part of the project was confined entirely to a re-coding of existing reporting units. The second stage consisted of the implementation of the new definition of the reporting unit i.e. "establishment" as it applied to **manufacturing activities** of manufacturing establishments (See following note on "Establishment"). Results of the 1961 Census reflected this change in concept and, in order to provide comparability of data for recent years, the 1961 reports contained principal statistics on the basis of the new establishment definition for years back to 1957.

The third stage which was the extension of the definition of the establishment to cover **total activities** of manufacturing establishments is reflected in the statistics for 1961 and 1962 contained in this report. This full implementation of the new definition of the establishment has resulted in an extension of the data to non-manufacturing activities of manufacturing establishments and in additional changes in the 1961 statistics of manufacturing activities. Statistics on manufacturing activities will continue to be shown separately as in the past but, beginning with 1961, data on all operations (total activity) of manufacturing establishments will also be given. By definition "total activity" relates to all operational data and excludes such non-operational items as rent, interest and dividends. In addition, statistics on man-hours paid will be included as part of the regular series of industry statistics. For many industries, adjustments and revisions were made to the 1961 data on **manufacturing activities** which were published during the second stage to bring them in line with reporting procedures followed in the 1962 Census and to reflect the final application of the new concept. The 1961 statistics on manufacturing activities contained in this report are thus not entirely comparable with those published in the 1961 reports. However, the 1961 statistics are shown in this publication in both their original and revised forms in order to provide a link with the immediate past. A more complete account of recent changes and additions and brief descriptions of the principal industry statistics are given in following sections of these notes.

Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures and applied to the results of the 1957, 1958 and 1959 censuses provides for a breakdown of the manufacturing universe into 140 industries arranged in 20 major groups. Custom Tailoring Shops is the only industry class in the Manufacturing Industries Division of the classification which is not covered in the annual Census of Manufactures. It is surveyed as part of the Decennial Census of Merchandising and Service Establishments. Of the 140 "three-digit" industry classes in the Manufacturing Industries Division, 21 are further broken down into 67 "four-digit" sub-classes. With the exception of the Wood Preservation and Sound Recording industries, the figures for which are at present confidential and have to be included with those of related industries, the statistics for all of the "four-digit" sub-classes are published regularly. Thus, at the Canada level, principal statistics are compiled for 183 industries. These cannot all be published separately by province because of the confidential nature of the data in certain provinces.

Reporting establishments are classified or allotted to specific industries in the classification system on the basis of the value of principal products made or shipped. In general, establishments primarily engaged in repair work (Shoe Repair Shops, Motor Vehicle Repair Shops etc.) are not included in manufacturing industries. Exceptions are establishments primarily engaged in furniture, ship, boat, aircraft and railroad rolling stock repairs which are classified to the manufacturing industries producing the products involved. Establishments primarily engaged in assembling parts into complete units have always been included in manufacturing industries.

Full details concerning the revised classification system 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.

It should be noted that two new industries (Poultry Processors and Dental Laboratories) and three new groups of establishments (book publishers in the Publishing Industry, electro-plating establishments in the Metal Stamping, Pressing and Coating Industry and prescription branches in the Ophthalmic Goods Manufacturers Industry) have been included in the 1961 (revised) and 1962 Census statistics and will continue to be included thereafter. They were surveyed for the first time in the 1960 Census (1961 Census in the case of prescription branches) in line with the revised classification but, since they did not represent new production, they were removed from the 1960 and 1961 compilations published in the 1961 Census reports in order to provide complete comparability of data over the period 1957-61. Statistics for this period are repeated in the 1962 reports to supply a link with the revised 1961 data and the new 1962 statistics.

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. The majority of establishments are firms, but 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 below.

Beginning with the 1961 Census of Manufactures the establishment is defined as follows:

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

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

Following is a description of the main features of the new establishment concept introduced in the 1961 Census, how they differ from those of the old "activity" concept and the steps taken to correct for breaks in continuity.

(a) The establishment is to be distinguished from smaller subdivisions or departments which do not have records that 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 activities which were classifiable to different industries. Beginning with 1961, separate reports for such activities are required only in cases where accounting records can provide the necessary input and output elements of principal statistics. 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.¹

(b) A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were primarily engaged in manufacturing. 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.¹

Again, adjustments were made to reflect the removal of such reporting units for the period 1957-60. These reporting units are now listed as establishments in other Bureau surveys, such as Wholesale Trade, Construction etc. This has resulted in a somewhat smaller universe represented by the Census of Manufactures. In terms of overall 1960 Census results, the number of establishments transferred to other industries totalled 2,786 or 8% but these represented only 0.7% of total employment and of total value of shipments of manufactured products. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed by the Industry Division for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

(c) A manufacturing establishment may be, and often is, engaged in other activities in addition to its principal manufacturing activity. Prior to 1961 the main emphasis in the Census of Manufactures was on manufacturing activity. Beginning with 1961, each establishment reports on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on different activities (manufacturing, trading in goods not of own manufacture, construction by own labour force, revenue from services etc.) are requested separately. However, the statistics published in the 1961 reports were confined to manufacturing activity only in order to maintain comparability with previous years and to permit a more thorough audit of the new data. The 1962 reports contain principal statistics on total activities of manufacturing establishments for 1961 and 1962 with the main elements of manufacturing activity shown separately as in the past. It should be noted that the statistics for separate activities are not completely consistent. Some respondents cannot distinguish in their records materials, shipments and inventories relating to own manufacturing activities from those relating to goods not of their own manufacture or to other activities and can report operational data in total only under manufacturing activity. This situation has always existed, however, and is not considered important enough to invalidate the use of the data in the measurement of manufacturing as an "activity". The values assigned by the respondent to materials and shipments of own manufactured goods include costs in varying degrees that relate to internal (to the establishment) transportation, warehousing and selling activities, but it is not possible to make adjustments to arrive at a uniform valuation for manufacturing activity only; although valuation at the establishment "boundary" must be accepted, the items valued under manufacturing activities still relate, in most cases, to "goods of own manufacture". In the case of employment only data on manufacturing production workers and manufacturing man-hours can be assigned, in total, to manufacturing activity; administrative and office employees can seldom be allocated to separate activities.

¹ Most of these adjustments were made when the results of the 1961 Census were being compiled. Since publication of these results in the 1961 reports additional adjustments were made to the 1961 data, as noted earlier, and these are reflected, where applicable, in the revised 1961 statistics contained in this report.

Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level, and for studies or statistical measures requiring accurate co-ordinated data, the "total" statistics should be used.

(d) Additional changes resulted from intensive editing and follow-up consistent with the introduction of the new concept. An example of such changes is the provision for the elimination, in total, of sales taxes and outward transportation charges from value of shipments. Prior to 1961, although the value of shipments for each product was requested excluding taxes and transportation charges, no allowance had been made for the reporting of these items in total when the respondents' records did not permit their deduction from the values of the individual products. Another example is a change in the valuation of shipments where, prior to 1961, a manufacturing company operating warehouses or sales outlets was reporting value of shipments in terms of an estimated manufacturer's price in accordance with the old activity concept, even though his records were not kept on this basis. Since the accounting boundary in such cases extends to distribution operations, the respondent was instructed in 1961 to report shipments at the final selling price in order to obtain more realistic and accurate data.² Adjustments were made to the value of shipments for the period 1957-60 to reflect such changes and maintain continuity of the shipments data. Since no actual data to make these corrections were available for back years, 1961 adjustment ratios were applied to the previous years for each industry affected, on the assumption that the valuation changes in 1961 applied in equal proportions to the preceding period.³

(e) The new concept also demands that inventories held apart from plant be included with plant inventories if establishment boundaries extend to warehouses and sales outlets. Prior to 1961, compilations took into account only the inventories held at plant. In this case, however, most of the missing data were available from supplementary questions in the Annual Census and from the Monthly Inventories and Shipments Survey and actual corrections could be made for previous years.

² Some manufacturing firms operate sales branches or selling warehouses as separate sales establishments for which complete accounting records of receipts, expenses, employment and sales are maintained. In such cases the plants, in effect, "sell" to the sales outlets on much the same basis as they would to independent buyers. The value of plant shipments is based on factory prices and the "boundary" of the manufacturing establishment does not extend beyond the plant. The sales outlets in such cases constitute separate sales establishments and are classified to wholesale or retail trade. Some sales outlets of manufacturing firms, although they physically handle products of the plants, do not maintain separate accounts and are generally treated for statistical purposes as extensions of manufacturing operations. Special arrangements were made for separate reporting in a few cases where the treatment of such outlets as manufacturing extensions would seriously affect the significance of statistics for particular manufacturing and trade industries.

³ See footnote 1.

(f) Prior to 1961 the Census of Manufactures did not have complete coverage of head and administrative offices and had never surveyed separate sales offices, warehouses or laboratories operated by manufacturing firms. Beginning with the 1961 survey, complete coverage of these auxiliary units was effected. In the past the employment and salaries and wages of those head and administrative offices that were surveyed were either coded in total to the industry in which the greatest portion of the company's manufacturing activities was classified or else, in the case of certain large multi-unit firms with establishments in several industries, were pro-rated among the different industries involved. In the original 1961 statistics published in 1961 reports, the same coverage and treatment of head offices was applied to maintain comparability over the 1957-61 period. Beginning with the revised 1961 statistics, all head offices and auxiliary units are covered and are processed according to the methods described below.

1. Single-Establishment Companies

In the great majority of cases central administrative and executive personnel of companies consisting only of one establishment are generally located at the site of the manufacturing plant and are automatically included in the plant reports. Where head offices and auxiliary units are geographically separate from plant locations and employ a sizeable number of workers they are surveyed on special questionnaires.

Separately located head offices, sales offices, administrative offices and other separate auxiliary units (laboratories, warehouses, etc.) do not usually constitute separate establishments⁴ for purposes of industry statistics since they do not normally generate operational revenues but give rise only to costs of operation (mainly salaries and wages) which make up part of the selling price of manufactured products and which are thus included in the value of shipments or sales. Where such units belong to single-establishment companies, they will be considered as extensions of the establishment's boundaries and their operations consolidated with the establishment's total activity.

2. Multi-Establishment Companies

In the case of companies with more than one establishment the following rules are applied:

(i) Where all the establishments of a company are classified to the same (three-digit) industry, the head office and other auxiliary units are coded to that same industry.

(ii) Where the establishments of a company are not all classified to the same (three-digit) industry but are coded to different industries, or industries in different industry groups or even different divisions

⁴ See footnote 2 for exceptions.

of the Standard Industrial Classification, the inclusion of data for head office and auxiliary units in any one of the (three-digit) industries concerned would distort the relationship between items of principal statistics. In such cases, the auxiliary units are coded at the group (two-digit) level in tabulations of industry statistics. Where multi-establishment companies cut across group or major division lines of the Classification, the head office and auxiliary units will be coded to the (two-digit) industry group in which the major part of the company's operations are classified. Although this may result in some distortion of (two-digit) industry group statistics it will eliminate distortion within groups as it will leave statistics at the (three-digit) industry level free of these company-wide data.

Period Covered

Respondents 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 respondents find it impossible to supply calendar year data from accounting records. However, the data on employees, salaries, wages and man-hours are requested on a calendar year basis in all cases.

When establishments are operated for only a portion of a year, a report is required covering the period of operation.

Working Owners or Partners

Beginning with the revised 1961 statistics working owners and partners of unincorporated businesses are shown as a separate category in the principal statistics and are neither included in the number of employees nor in salaries and wages; there is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each census return. In all previous reports of the Census of Manufactures these workers were included as part of the number of administrative and office employees and their withdrawals were included as part of salaries. Withdrawals are defined as amounts withdrawn by owners or partners for normal living expenses, excluding withdrawals for payment of income tax.

Number of Establishments

The number of establishments represents the number of operating units (accounting entities as per the new definition of the establishment) for which separate reports are submitted. Head offices located apart from establishments and which are surveyed separately and separate sales and administrative auxiliaries that are treated as extensions of manufacturing activities are not included in the establishment count. However, the operational statistics (employment, salaries etc.) of such auxiliary units which are coded at the "three-digit"

level are included in the principal statistics of industries coded at the same level; those units coded at the "two-digit" level are included with the statistics for groups of industries.

Employees

As noted above, the number of working owners and partners are excluded from the number of employees, beginning with the revised 1961 statistics. This change brings the definition of "employees" in the Census of Manufactures in line with that of "employees" in the Bureau's monthly Employment Survey and with that of "paid workers" in the Bureau's Labour Force Survey. For purposes of historical comparisons, the number of working owners and partners should be added to total employees (beginning with the revised 1961 data) in order to correspond with the figure of "total employees" published in previous reports concerned with the Annual Census of Manufactures.

In addition to production and related workers engaged in manufacturing activities, total employees include administrative, office, sales and distribution workers as well as any production workers employed in non-manufacturing activities such as construction undertaken for the use of the establishment by its own employees (when these are treated as a separate work force) or logging (mostly in connection with sawmills or planing mills). Number of employees represents as closely as possible equivalent annual full-time employment. Adjustments are made when reported figures indicate the existence of part-time or seasonal employment.

Administrative and office employees include all executive and supervisory officials such as presidents, vice-presidents, controllers, secretaries, treasurers etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical etc. Sales and distribution workers include office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truck drivers and their helpers, etc. They exclude persons working on a commission basis who are not considered regular employees.

Production and related workers in manufacturing activities include, in addition to those engaged in processing and assembling, those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees in related activities such as maintenance, repair, janitorial and watchman services. Working foremen doing similar work to that of employees they supervise are also included. Production workers employed in non-manufacturing activities such as construction undertaken for the use of the establishment, logging

employees or outside piece-workers employed in certain industries are excluded from the number of production and related workers but are part of the total number of employees in those industries.

Production and related workers are reported as those receiving pay during the last pay period of each month, 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 in order to derive equivalent annual full-time employment. The numbers are somewhat affected by turn over, in that employment is overstated when an employee changes employment within the same industry during a pay period. Other categories of workers are reported in the form of annual averages. Figures on employment and man-hours refer to the calendar year whether or not some establishments report other data on a financial year basis.

Man-hours of production and related workers in manufacturing activities represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in **average** hourly earnings and does **not** represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

Salaries and Wages

Salaries and Wages refer to gross earnings of the employees described above, **before** deductions for income tax and employees' contributions to social services such as sickness, accident and unemployment insurance, pensions etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only), as well as any other allowance forming part of the workers' earnings. Payments for overtime are included.

Wages refer to amounts paid to production and related workers engaged in manufacturing operations as defined above. Salaries refer to amounts paid to all other categories of employees including relatively small numbers of production workers engaged in construction and extractive operations or who are employed as outside piece-workers. Figures on salaries and wages refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives etc.) not to purchases unless the quantities are

substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid-down cost at the establishment including freight, duty etc.

Materials and Supplies

(a) Used in manufacturing activities. Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. The statistics represent only commodity items or physical goods (costs of services or overhead charges such as advertising, insurance, depreciation etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Respondents are required to report materials and supplies **used** not **purchased**. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Purchases for resale as such. Figures represent the cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

(c) Other materials and supplies used. Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Value of construction and repair work done by outside contractors is not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid medical supplies, laboratory supplies etc.

Shipments

In general the figures represent revenue from all production, sales, services and related activities of reporting establishments. Non-operating revenues such as rent, interest and dividends and the sale of used fixed assets are excluded.

(a) Shipments of goods of own manufacture

These figures represent 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 establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm when such units are treated as separate establishments. (See notes on "Establishment").

Such shipments are net of returned goods, and value figures at the establishment exclude discounts, returns, allowances, sales taxes and excise duties, returnable containers, and charges for outward transportation by common or contract carriers. Transportation or delivery expenses incurred by the reporting establishments' own carriers are not deducted.

The unsold portion, at year-end, of consignment shipments in Canada, is treated as inventory and not as shipments, but all shipments to foreign countries, for which form B.13 "Customs Canada, Export Entry" has been completed, are treated as shipments.

In four industries, viz. Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair, where work on principal products extends over a relatively long period, the value of production, rather than the value of shipments, is recorded. For these industries value of 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 units delivered in the year under review. Adjustments to the value of shipments are also made for firms in these industries and in some other industries which operate on the basis of progress payments. The latter are treated as sales and not as inventory, so that for firms which use a progress payments account, an adjustment to the value of shipments is made for the net change in this account during the year.

(b) Shipments of goods not of own manufacture

These figures represent the net selling value at the establishment (less discounts, returns, allowances, sales taxes and excise duties and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship goods on a rental basis value of shipments represents the book value of such goods. All sales of consignment goods from other countries are included.

(c) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs and alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishments' own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishments' own employees, such as revenue from goods produced for rental (the book value of such goods are included as part of factory shipments), servicing revenues, commissions on sales (when not included in value of sales), revenue from company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishments' own products, sale of used materials (excluding sale of used fixed assets), research and development work etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing inventory

Values represent the book value of manufacturing inventory owned in Canada. The value of inventory held for which progress payments have been received is treated as shipments and is not included in inventory owned. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Inventory owned abroad has already been reported as shipments and is excluded.

(b) Inventory of goods purchased for re-sale

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by reporting establishments and held at the plants and at any warehouses or selling outlets which are treated as extensions of establishments. Inventory owned in transit in Canada or on consignment in Canada is included.

Because of changes in classification, the receipt of revised data, the inclusion of new establishments or the removal of old establishments which did not operate during the latest year, the opening inventory for the latest year does not necessarily coincide with the closing inventory of the preceding year.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of materials and 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).

(b) By total activities

Figures consist of value added by manufacturing activities plus value added by non-manufacturing activities and is compiled by deducting the cost of goods purchased for re-sale and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture plus other revenue, adjusted for changes in the value of inventories of goods purchased for re-sale.

"Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or "Gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected in the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 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 for only a limited amount of detail. For purposes of publication, missing data were estimated on the basis of appropriate ratios. Beginning with the 1959 census, the general limit for short forms was raised from \$50,000 (the limit used since 1949) to \$100,000 value of shipments and a new medium 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 medium forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

Prior to 1961, the short form was limited to a question on the principal items of factory shipments. In the 1961 and 1962 censuses, in addition to the question on shipments of goods of own manufacture, general 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, were estimated by using ratios based on the change in the value of shipments reported in 1961 and 1962. This was done to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportions of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

Beginning with the 1963 census, general questions on total purchases of materials, fuel and electricity and on total inventory were added on the short forms. The two questions, however, were designed so that the data can be easily derived from respondents' regular accounting records. This will permit a complete tabulation of principal statistics without the necessity of estimating missing items and will result in increased accuracy for rural area statistics where small firms account for a relatively important part of industrial output.

The addition of extra questions on the short form in recent years has also permitted an increase in the cut-off limits for short forms in many industries. This has meant that many more firms are now receiving the short form instead of the long or medium form. It has also resulted in the withdrawal of the medium form in a number of industries, thus further simplifying collection and tabulation procedures.

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