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In the pages of Concepts and Definitions to be found at the end of this bulletin a concise outline has been presented on the 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 Concepts and Definitions) apply throughout this bulletin. Implementation of both features has necessitated adjustments to the statistics.

In Tables 7 and 8 of this bulletin an attempt has been made to reconcile shipments data reported for 1962 with data reported according to the new 1963 breakdown. Where this was possible the figures are shown. Where comparable figures were not available they have been given "Confidential" status.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

- amount too small to be expressed.

p preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1961													
Totals	194	7,736	16,110	21,615	1,533	71,245	140,353	68,183	112	337	10,232	32,602	69,343
1962													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	7	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	3	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	59	2,147	4,260	6,027	511	21,068	41,979	20,227	39	139	2,818	9,125	20,472
Ontario	77	4,257	9,047	13,185	888	45,662	87,200	41,500	42	106	5,621	19,936	41,899
Manitoba	11	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	5	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia	27	226	480	676	65	1,914	3,394	1,400	10	23	322	989	1,838
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	7	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	4	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	55	2,005	3,965	5,875	497	24,992	46,413	21,404	29	106	2,612	9,012	21,841
Ontario	74	4,520	9,480	14,360	1,011	53,834	98,577	45,626	38	91	5,947	21,697	46,253
Manitoba	9	247	499	603	30	2,275	3,736	1,427	3	8	330	883	1,432
Saskatchewan	1	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	5	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia	26	195	403	632	60	2,329	3,880	1,495	9	17	306	965	1,651
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 1B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.	'000	\$'000					'000	\$'000		\$'000			
1962													
Under \$10,000	29	9	21	21	6	70	162	87	29	37	10	22	90
\$ 10,000 to \$ 24,999	39	47	103	109	17	319	660	322	35	99	55	120	328
25,000 "	21	60	120	122	19	369	723	339	24	78	75	157	348
50,000 "	18	100	203	214	25	679	1,250	553	8	32	120	286	600
100,000 "	19	199	428	496	50	1,366	2,607	1,200	8	32	288	785	1,318
200,000 "	20	537	1,075	1,212	104	3,397	6,436	2,942	1	6	717	1,827	3,082
500,000 "	15	525	1,078	1,380	119	5,998	9,809	3,697	3	24	744	2,101	4,077
1,000,000 "	22	2,956	6,088	8,197	513	27,998	52,100	24,107	-	-	3,512	11,252	24,436
5,000,000 and over	7	3,458	7,262	10,856	786	35,366	72,170	36,267	-	-	4,757	17,263	36,343
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	71	326	...
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Under \$10,000	22	2	8	9	-	49	101	52	22	25	2	9	52
\$ 10,000 to \$ 24,999	43	43	93	116	3	344	741	394	35	96	52	145	401
25,000 "	22	42	87	111	17	369	737	351	24	73	55	147	365
50,000 "	13	65	130	177	21	488	953	445	5	19	79	226	453
100,000 "	17	160	318	410	44	1,418	2,437	955	6	39	226	624	1,173
200,000 "	18	473	967	1,079	121	3,099	6,290	3,042	1	6	711	1,796	3,310
500,000 "	16	484	1,042	1,380	108	6,857	10,892	3,977	-	-	608	2,053	4,090
1,000,000 "	20	2,597	5,332	7,093	490	25,293	43,793	19,054	-	-	3,076	9,793	19,555
5,000,000 and over	10	3,964	8,147	12,960	908	49,723	95,919	46,435	-	-	5,247	19,861	46,546
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	211	790	...
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 1C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.	'000	\$'000					'000	\$'000		\$'000			
1962													
Under \$10,000	63	72	156	166	26	558	905	322	59	116	84	190	330
\$ 10,000 to \$ 24,999	29	68	140	146	22	509	952	423	29	98	88	193	432
25,000 "	19	121	246	257	30	1,088	1,730	621	12	50	138	327	638
50,000 "	16	166	358	416	38	1,002	2,116	1,099	3	18	242	675	1,241
100,000 "	21	567	1,148	1,287	117	5,394	8,611	3,058	2	3	804	2,098	3,785
200,000 "	19	878	1,848	2,142	181	8,495	14,151	5,645	3	24	1,115	3,133	5,776
500,000 "	5	665	1,374	1,934	95	5,925	9,996	4,064	-	-	740	2,401	4,066
1,000,000 "	15	3,579	7,353	10,177	673	31,496	65,596	33,897	-	-	4,582	15,080	33,844
5,000,000 and over	3	1,775	3,754	6,084	456	21,094	41,862	20,387	-	-	2,485	9,716	20,508
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	71	326	...
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Under \$10,000	52	25	61	76	3	325	608	280	48	96	31	96	286
\$ 10,000 to \$ 24,999	35	64	130	166	18	449	979	513	35	103	76	202	528
25,000 "	21	132	263	339	39	1,218	1,991	737	7	48	171	482	882
50,000 "	11	169	339	418	36	1,478	2,334	808	3	12	218	551	802
100,000 "	17	378	800	939	92	3,955	6,705	2,642	-	-	535	1,639	2,887
200,000 "	19	648	1,341	1,811	248	10,324	14,941	5,497	-	-	938	2,988	6,082
500,000 "	9	1,122	2,320	2,887	189	9,309	16,174	6,774	-	-	1,280	3,712	6,963
1,000,000 "	12	2,733	5,516	7,651	445	27,769	53,694	25,189	-	-	3,360	11,071	25,080
5,000,000 and over	5	2,559	5,353	9,048	642	32,814	64,438	32,264	-	-	3,447	13,913	32,435
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	211	790	...
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1962													
Under \$10,000	61	70	150	160	25	537	864	303	57	110	81	183	307
\$ 10,000 to \$ 24,999	30	67	139	144	22	517	961	424	28	97	86	189	428
25,000 "	20	124	253	265	31	1,102	1,762	639	15	56	143	336	665
50,000 "	13	130	288	320	28	862	1,740	874	3	18	187	495	901
100,000 "	19	436	914	996	81	3,148	5,787	2,511	5	27	592	1,592	2,688
200,000 "	24	1,045	2,154	2,528	227	10,882	17,351	6,417			1,382	3,819	7,213
500,000 "	5	665	1,374	1,934	95	5,925	9,996	4,064	-	-	740	2,401	4,066
1,000,000 "	15	3,579	7,353	10,177	673	31,496	65,596	33,897	-	-	4,582	15,080	33,844
5,000,000 and over	3	1,775	3,754	6,084	456	21,094	41,862	20,387	-	-	2,485	9,718	20,506
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	71	326	...
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Under \$10,000	50	22	55	67	3	313	578	262	47	90	27	83	262
\$ 10,000 to \$ 24,999	36	64	130	167	18	448	980	514	33	102	76	205	525
25,000 "	17	89	172	227	28	771	1,350	551	8	41	111	290	570
50,000 "	16	215	435	539	49	1,937	3,004	1,009	5	25	262	753	1,140
100,000 "	14	317	667	808	61	2,957	5,144	2,115	-	-	398	1,216	2,215
200,000 "	21	695	1,448	1,904	270	10,240	15,114	5,727	-	-	1,056	3,297	6,118
500,000 "	10	1,136	2,347	2,926	198	10,391	17,562	7,071	-	-	1,299	3,826	7,599
1,000,000 "	12	2,733	5,516	7,651	445	27,769	53,694	25,189	-	-	3,360	11,071	25,080
5,000,000 and over	5	2,559	5,353	9,048	642	32,814	64,438	32,264	-	-	3,447	13,913	32,435
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	211	790	...
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1962													
Under 5 employed	82	77	167	178	34	723	1,384	633	76	180	91	208	656
5- 14 employed	40	255	539	604	65	2,517	4,395	1,818	26	94	308	884	1,899
15- 49 "	33	740	1,508	1,769	171	8,428	13,812	5,229	3	10	1,003	2,885	5,951
50- 99 "	11	651	1,338	1,846	174	8,608	14,031	5,218	-	-	816	2,415	5,283
100-199 "	12	1,378	2,821	3,801	234	11,929	25,160	13,427	3	24	1,752	5,557	13,498
200-499 "	7	1,833	3,809	5,246	282	14,675	29,427	14,620	-	-	2,264	7,398	14,592
500 employed and over	5	2,957	6,196	9,164	679	28,681	57,708	28,570	-	-	4,044	14,465	28,741
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	71	326	...
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Under 5 employed	84	75	163	207	19	724	1,505	761	76	180	89	252	779
5- 14 employed	31	196	397	510	54	1,914	3,256	1,292	17	79	245	690	1,387
15- 49 "	32	742	1,557	2,012	191	10,550	17,178	6,410	-	-	986	3,218	7,071
50- 99 "	10	572	1,185	1,470	127	6,573	10,670	4,045	-	-	707	2,022	4,157
100-199 "	11	1,132	2,240	3,554	336	16,522	31,186	15,068	-	-	1,566	5,681	15,083
200-499 "	8	2,103	4,307	5,861	309	18,054	34,458	16,443	-	-	2,538	8,106	16,545
500 employed and over	5	3,010	6,274	9,722	677	33,303	63,610	30,685	-	-	3,923	14,686	30,923
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	211	790	...
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 1 F. Principal Statistics classified by Type of Organization, 1962 and 1963

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1962													
Individual ownerships	64	103	220	240	35	859	1,578	685	61	166	110	260	697
Partnerships	25	141	310	340	27	956	1,860	872	47	142	186	457	884
Incorporated companies	101	7,647	15,848	22,029	1,577	73,746	142,480	67,958	...	...	9,982	33,096	69,039
Cooperatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	326	...
Totals	190	7,891	16,378	22,608	1,638	75,561	145,918	69,515	108	308	10,349	34,139	70,621
1963													
Individual ownerships	60	69	156	200	16	710	1,332	606	58	148	74	222	616
Partnerships	18	42	82	105	14	426	791	351	35	111	47	125	361
Incorporated companies	103	7,719	15,885	23,032	1,683	86,503	159,740	73,747	...	...	9,935	34,308	74,967
Cooperatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	211	790	...
Totals	181	7,830	16,123	23,336	1,713	87,639	161,863	74,703	93	258	10,267	35,444	75,944

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
	\$'000					
Output						
1. Shipments and other revenue	145,918	161,863	9,098	8,091	155,016	169,954
Inventories - Goods of own manufacture:						
Add closing - Goods in process	2,691	3,163	...	...	2,691	3,163
Finished goods	8,543	10,258	...	...	8,543	10,258
Less opening - Goods in process	2,225	2,703	...	...	2,225	2,703
Finished goods	8,213	8,526	...	...	8,213	8,526
2. Net inventory change	796	2,192	...	...	796	2,192
3. Gross output (1 + 2)	146,714	164,055	9,098	8,091	155,812	172,146
Input						
4. Purchases of goods not of own manufacture .....	...	...	7,102	6,272	7,102	6,272
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	1,294	1,072	1,294	1,072
Less closing .....	...	...	1,099	1,172	1,099	1,172
5. Cost of goods sold (not of own manufacture) .....	...	...	7,297	6,172	7,297	6,172
6. Materials, supplies, components and semi-processed goods	75,561	87,639	693	677	76,254	88,316
7. Fuel and electricity	1,638	1,713	...	...	1,638	1,713
8. Gross input (5 + 6 + 7)	77,199	89,352	7,990	6,849	85,189	96,201
Census value added (3 - 8)	69,515	74,703	1,106	1,241	70,621	75,944

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total salaries and wages
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1962															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	1,009	1,138	11	-	206	133	251	70	1,477	1,341	6,027	37	1,835	1,226	9,125
Ontario	1,884	2,373	-	5	334	350	546	129	2,764	2,857	13,185	13	3,592	3,146	19,936
Manitoba	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia	79	147	-	-	25	17	3	51	107	215	676	-	187	128	989
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	3,372	4,519	11	5	659	564	950	269	4,992	5,357	22,608	50	6,268	5,213	34,139
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	953	1,052	5	-	226	142	187	47	1,371	1,241	5,875	17	2,059	1,061	9,012
Ontario	1,995	2,525	-	4	356	344	580	143	2,931	3,016	14,360	11	3,879	3,447	21,697
Manitoba	74	173	-	-	11	11	50	11	135	195	603	-	94	186	883
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia	72	123	-	-	28	19	19	45	119	187	632	-	193	160	985
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	3,371	4,459	5	4	709	568	899	252	4,984	5,283	23,336	28	6,860	5,221	35,444

TABLE 3A. Production and Related Workers, - Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	3,104	3,896	3,206	4,249
February	3,037	4,009	3,189	4,341
March	3,049	3,855	3,189	4,033
April	3,017	3,685	3,082	3,744
May	2,993	3,579	3,062	3,565
June	3,040	3,706	3,180	3,712
July	2,966	3,540	2,747	3,369
August	3,447	4,587	3,447	4,578
September	3,666	5,320	3,597	5,148
October	3,661	5,467	3,510	5,258
November	3,439	5,161	3,410	5,087
December	3,133	4,203	3,164	4,241
Average for establishments reporting monthly detail (collected only for large establishments) ..	3,213	4,251	3,232	4,277
Average for small establishments (only annual averages collected)	159	268	139	182
Average for all establishments	3,372	4,519	3,371	4,459

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	x	x	x	x	x	x
Quebec	6,326	1,042	2,800	10,169	392	10,560
Ontario	10,340	1,207	4,627	16,174	646	16,819
Manitoba	279	44	122	446	2	448
Saskatchewan	x	x	x	x	x	x
Alberta	x	x	x	x	x	x
British Columbia	639	14	143	795	5	801
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	18,333	2,703	8,526	29,562	1,072	30,634
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	x	x	x	x	x	x
Quebec	6,215	1,070	3,254	10,538	505	11,043
Ontario	10,569	1,656	6,072	18,296	620	18,916
Manitoba	203	50	111	364	7	371
Saskatchewan	x	x	x	x	x	x
Alberta	x	x	x	x	x	x
British Columbia	509	21	140	670	2	671
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	18,337	3,163	10,258	31,758	1,172	32,930

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	965	791	12
(b) Imported	"	11,340	8,510	98
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	769	832	4
Coke	"	142	127	2
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	388,250	405,937	148
Fuel oil including kerosene or coal oil	"	3,814,871	5,218,353	333
Wood	cord	54	26	-
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	43,471	26,539	8
(b) Other manufactured gas	M cu.ft.	-	-	-
(c) Natural gas	"	130,319	270,075	183
Other fuel .....		...	...	-
Electricity purchased	kwh.	71,895,000	81,808,392	835
Steam purchased .....		...	...	-
2. Estimate for small establishments:				
Fuel and electricity .....		...	...	88
3. All establishments:				
Total fuel and electricity used .....		...	...	1,713

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Baking powder	lb. 6,255	1	-	-
Butter	" 1,117,378	625	1,535,040	809
Cacao beans	" 31,461,309	8,075	36,108,018	9,128
Cacao cake	" 1,440,949	91	543,948	46
Chicle and chicle substitute	" 3,005,052	1,402	3,046,688	1,462
Chocolate, sweetened, dark and light	" 4,346,668	1,374	6,201,489	2,179
Cocoa powder, unsweetened	" 1,370,366	342	1,194,965	253
Cocoa and chocolate preparations, n.o.p.	" 4,373,123	882	5,507,920	1,197
Cocoa butter	" 12,354,224	6,830	13,066,496	7,665
Cocoa butter substitute	" 1,591,225	303	1,755,752	353
Cocoanut shredded	" 2,024,719	377	2,026,202	412
Cooking oils:				
(a) Vegetable	" 2,426,437	469	2,197,954	429
(b) Other	" 452,733	104	794,457	183
Corn for popping	" 1,734,949	125	1,732,852	127
Corn syrup	" 18,166	2	-	-
Cream	lb. b.f. 4,263	199	249,462	202
Cream, powdered	lb. 4,263	4	-	-
Cream of tartar and substitutes	" 18,471	7	-	-
Eggs, in shell	doz. 12,020	4	13,890	5
Eggs, frozen or liquid	lb. 97,484	35	24,703	7
Egg powder, (dried yolks, albumen, etc.)	" 111,653	124	113,819	147
Extracts, essences, etc.	" ...	1,235	...	1,493
Flour:				
(a) Hard wheat (bread flour)	cwt. 54,964	230	47,069	238
(b) Soft wheat (cake flour)	" 19,585	106	15,387	77
(c) Soya	lb. 32,880	3	-	-
Fruits:				
(a) Fresh or dried	" 2,035,900	459	1,737,715	482
(b) Jams, jellies and marmalades	" 182,825	39	172,676	49
(c) Preserved and canned, other	" 1,197,080	365	1,300,089	375
Gelatine	" 301,626	189	230,448	175
Glucose	" 48,990,248	3,442	48,915,499	3,693
Honey	" 34,707	7	-	-
Lard	" 43,545	6	-	-
Leucithin	" 392,622	72	90,282	15
Malt extract and syrups	" 28,855	5	-	-
Margarine	" 7,653	2	-	-
Milk, condensed	" 17,569,483	2,250	20,620,167	2,844
Milk, fresh and skim	gal. 863,720	96	...	437
Milk, powdered	lb. 4,707,348	899	4,924,817	1,031
Molasses	" 2,719,604	72	2,384,689	68
Nuts (walnuts, almonds, pecans, etc.)	" 7,775,534	4,351	8,541,297	4,741
Peanuts:				
(a) Green	" 28,235,760	3,535	25,392,979	3,522
(b) Roasted	" 6,271,308	870	8,340,927	1,372
Salt	" 615,313	12	529,530	15
Shortening	" 740,150	152	571,473	117
Sodium bicarbonate (baking soda)	" 46,159	2	8,679	-
Spices	" 1,588	1	-	-
Starch:				
(a) Corn	" 2,399,675	205	2,116,208	179
(b) Moulding	" 1,414,226	112	1,205,909	98
(c) Other	" 41,702	5	575,386	53
Sugar:				
(a) Cane and beet	" 131,863,217	9,760	137,698,808	15,098
(b) Corn and dextrose	" 1,120,598	117	2,557,601	274
(c) Invert	" 1,946,518	149	2,457,541	268
Syrups	gal. 703	1	-	-
Yeast:				
Ordinary	lb. 42,800	4	-	-
All other materials and components used ¹ .....	...	6,141	...	5,571
2. Containers and other packaging materials and supplies used .....	...	17,296	...	18,552
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,997	...	2,156
4. Amount paid out to others for work done on materials owned by establishments .....	...	-	...	42
Totals .....	...	75,561	...	87,639

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$2,608,955 in 1962 and \$2,586,180 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture 1962 and 1963

Description	1962		1963	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Chewing gum:				
2¢ and under	20,063,576	14,121	17,479,294	14,741
Over 2¢				
Cocoa powders	1	1	1	1
" butter	1	1	1	1
Cooking chocolate	1	1	1	1
Coatings:				
Dark chocolate	4,674,373	1,541	5,399,827	1,843
Light chocolate	4,393,323	1,466	4,235,670	1,478
Ice cream chocolate	1	1	1	1
Synthetic chocolate	1	1	1	1
Chocolate confectionery:				
Solid—50¢ and under per unit	39,871,140	23,019	39,310,163	24,351
Coated—50¢ and under per unit	1	1	1	1
Chocolate packaged; solid and coated—Over 50¢ per unit	1	1	1	1
Chocolate bulk; solid and coated—Over 50¢ per unit	1	1	1	1
Total chocolate confectionery	118,559,388	67,599	130,639,284	79,327
Confectionery, sugar:				
Units—50¢ and under per unit	1	1	1	1
Packaged—Over 50¢ per unit	1	1	1	1
Bulk—Over 50¢ per unit	1	1	1	1
Total sugar confectionery	86,000,441	25,079	87,679,609	29,961
Marshmallows	1	1	1	1
Penny goods	1	1	1	1
Seasonal novelties	3,264,804	2,275	3,898,058	3,090
Nuts:				
Peanuts roasted, salted, etc.	17,870,712	6,032	17,587,163	6,165
Other nuts roasted, salted, etc.	5,282,347	4,449	6,728,795	5,271
Biscuits plain and fancy	—	—	1	1
Bread	1	1	1	1
Other fresh bakery products, n.e.s.	1	1	—	—
Food drink powders	1	1	1	1
Fountain fruits, syrups and toppings	1	1	1	1
Ice cream	1	1	1	1
Peanut butter	2,783,610	816	2,453,913	757
Popcorn and popcorn confectionery	3,532,749	1,590	3,726,881	1,697
Potato chips, flakes, frills, etc.	—	—	—	—
All other products shipped .....	...	67,212	...	104,276
2. Amount received in payment for work done on materials and products owned by others....	...	343	...	357
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(2,025)	...	(6,163)
Net adjustment for establishments receiving progress payments .....	...	—	...	—
Total adjusted value of shipments and work done .....	...	145,918	...	161,863

¹Confidential. Included in "All other products shipped."

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries, 1962 and 1963
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1962		1963	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
Chewing gum:				
2¢ and under	17,398,012	14,121	17,479,294	14,741
Over 2¢				
Cocoa powder for sale	8,756,856	3,415	9,725,682	3,488
" butter	1	1	1	1
Cooking chocolate	1	1	1	1
Coatings:				
Dark chocolate	5,264,485	1,682	6,193,569	2,043
Light chocolate	4,393,323	1,466	4,235,670	1,478
Ice cream chocolate	1	1	1	1
Synthetic chocolate	1	1	1,507,201	341
Chocolate confectionery:				
Solid	39,871,140	23,019	39,310,163	24,351
Coated	1	1	55,667,222	29,899
Chocolates boxed	1	1	20,705,679	16,892
Chocolate bulk; solid and coated - (Over 50¢ per unit)	1	1	15,142,836	8,237
Total chocolate confectionery	119,326,610	67,766	131,056,061	79,546
Confectionery, sugar:				
Units - 50¢ and under per unit	1	1	1	1
Packaged - Over 50¢ per unit	1	1	1	1
Bulk - Over 50¢ per unit	1	1	1	1
Total sugar confectionery	93,189,868	27,216	94,573,747	32,262
Marshmallows	8,818,089	2,382	9,819,267	7,849
Peanut goods	15,042,775	4,484	12,631,607	3,915
Seasonal novelties	3,264,804	2,275	3,898,058	3,090
Food drink powders	18,309,135 ^r	8,449 ^r	18,889,163	8,719
Popcorn confectionery	5,280,873	2,564	6,034,830	2,951
Nuts:				
Peanuts roasted, salted, etc.	22,832,453 ^r	7,713 ^r	22,733,608	8,012
Other nuts roasted, salted, etc.	6,983,152	5,849	8,323,433	6,601

^r Confidential.

List of Establishments classified to This Industry, 1963

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Nova Scotia:	
Demetre James E.	Springhill
MacDonald, C.N.	Mount Denson
Molanson, Louis A., Co.	Church Point
Moirs Limited	128 Argyle St., Halifax
Porter's Candy	Hebron
Robertson, W.C.	22 King Street, Truro
Yeaton's Candy, Ltd.	Station St., Hantsport
New Brunswick:	
Ganong Brothers Limited	Water St., St. Stephen
Kennedy Bros Sugar Bowl	Woodlake St., St. Martin
La Salle Confections Ltd.	Queen St., Shediac
Leblanc G.O.	Buctouche
Quebec:	
Allen-Crawford, Ltd.	3187 St. James St. W., Montreal
Arvais Gerard	Louiseville
Bedard & Donaldson Ltée	44 Industrielle Breakeyville
Bélanger, L.H. & Cie-Ltée	591 Ash Ave., Montreal
Berthierville Candy	R.R. No. 1, Berthierville
Best Candy Reg'd	4583 Ereboeuf, Montreal
Bonbons Belvedair Candies Enr.	St-Pascal-de-Kamouraska
Bonbons Denis Enr.	203, ave. Proulx, St-Hyacinthe
Bonbons Guay Candies Ltd.	970 Jean Talon Est, Montreal
Bonbons Idéal	Roxton Falls
Bonbons Jacalin Enr.	2449 Orphelinat, Giffard
Bonbons Roland Enr.	2321 Jean Talon Est, Montreal
Bonbons Yolande Ltée	41 des Industries, Lévis
Caramella Candy Mfg. Co.	412 McGill St., Montreal
Chocolates G.H. Enr.	1880 de la Bastille, Quebec
Confiserie Hebert	938 Duluth, Montreal
Dagenais & Frères	2191 Beaudoin, Montreal

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Quebec - Concluded:	
Diana Candy Manufacturers	6744 (Rear) St. Vallier St., Montreal
Entreprises Boivin Enr.,	380 1/2 ave. Tachereau Quebec
Expert Candy Mfg. Ltd.	3615 Industrial Blvd., Montreal North
Fournier & Frère	616 St-Vallier St. West, Quebec
Fry Cadbury Limited	2025 Masson St., Montreal
Gagnon Guy	Bic.
General Foods Limited	795-90th Ave., La Salle
Henry & Sons Inc.	54, 3ième Ave., Montmagny
Krispy Kernels (Canada) Ltd.	550 Marie de l'Incarnation, Quebec
Lalumière & Frère	2229, rue St. Catherine Est, Montreal
Laura Secord Candy Shops Limited	869 Viger Avenue, Montreal
Leeds Candy Corp.	500 Port Royal Ave., Montreal
Lowney, Walter M., Company, Limited	1 Lowney Ave., Sherbrooke
Mikey Popcorn Enr.	534 Forest, Joliette
Modern Popcorn Mfg. Co.	3174 Ontario E., Montreal
Morico Food Products Ltd.	7471-18th Ave., St-Michel
National Dried Fruit Co. Ltd.	3500 Industrial Blvd., Montreal North
National Licorice Company	4211 Rouen Street, Montreal
Nouveautés en Chocolat au Lait Enr.	2321 Jean Talon Est, Montreal 35
Original Turkish Delight (1962) Ltd.	5818 St. Lawrence Blvd., Montreal
Paramount Candy Ltd.	2159 Valois, Montreal
Parisiana Pop Corn Regd.	1258 Ste-Catherine E., Montreal
Park Ave. Chocolate Co.	5427 Park Ave., Montréal
Penny Jane Candy Ltd.	2165 Madison, Ave., Montreal
Pépin & St. Germain Ltée	4058 Parthenais St., Montreal
Produits Laurentiens Enr.	Notre-Dame-des-Laurentides
Quebec Popcorn Inc.	571 St-Bernard, Quebec
Regent Chocolate Ltd.	2950 Nelson, St. Hyacinthe
Rito Mints Ltd.	1055 Lavérendrye St., Trois Rivières
St. Lawrence Candy Co.	5190 Henri Julien St., Montreal
Splendid Chocolates	5392 Park Ave., Montreal
Stilwell's Homade Candies Reg'd.	5123 Wellington, Verdun
Three Star Candy Co.	10053 Paris, Montreal Nord
Vaillancourt Limitée	1691 Dorion Street, Montreal
Verdon D. Limited	480, rue Caron, Quebec
Viau Limited	4945, rue Ontario Est, Montreal
World Wide Gum Co Limited	175 Park Avenue, Granby
Zakaib, George & Sons Ltd.	9151 St. Lawrence Blvd., Montreal
Ontario:	
Adams Brands Ltd.	40 Bertrand Ave., Scarborough
Allan Candy Co. Limited, The	356 Emerald St. North, Hamilton
Arlene Sweets	R.R. No. 1, Islington
Atlas Candy Mfrs.	832 Dovercourt Rd., Toronto
Balmer, H.B., Limited	22 Geary Avenue, Toronto
Beaver Specialty Limited	20 Spadina Ave., Toronto
Be-Bel Nut Shop	214 A King St. W., Chatham
Brown, Ollin, Candies	88 Wellington St., Stratford
Burr's Nut House Ltd.	212 A Dundas, London
Ca-Ko Cake Decorations	1043 Weston Rd., Toronto
Candy Kitchen & Nut Shop	5 Aimsie St. N., Galt
Ce De Candy Co.	910 Queen St. W., Toronto
Cook Chocolate Canada Ltd.	36 Saskatoon St., Campbellford
Coyles Products Ltd.	260 Tilson Ave., Tillsonburg
Crystal Toffee Co.	204 King St. E., Toronto
Dairy Maid Chocolates Ltd.	143 Lycos Drive, Toronto
Dare Foods Ltd.	84 Jackson St. East, Hamilton
Dominion Candy Co.	64 Colville Rd., Toronto
Eddie's Home Made Candy	356 Elgin St., Ottawa
Fleer Limited	115 Scarsdale Rd., Don Mills
Gelman, Ben	283 Dalhousie St., Ottawa
Glendale Candy Co.	Peter St., Bothwell
Hershey Chocolate of Canada Ltd.	Smith Falls
Hook Co., The Harry	60 Roselawn Ave., Toronto
Horncastle's Candies	21 Walnut N., Hamilton
Johnson's Candy	719 Peel St., Woodstock
Kemper's Chocolates	Victoria St. New Hamburg
Kerr Brothers Ltd.	30 Zorra St., Toronto
Krispack Limited	358 Dufferin St., Toronto
Laing & Sons Ltd.	169 King William St., Hamilton
Laura Secord Candy Shops Ltd.	60 Bathurst Street, Toronto
Lleberman's Splendid Chocolates	1274 Eglinton W., Toronto
Life Savers Limited	100 Cumberland Ave., Hamilton
Little H.F.	180 David St., Kitchener
McCormick's Limited	1156 Dundas Street East, London
Macari Brothers	1029 Weston Rd., Toronto
Manning Brothers Limited	28 Mill St., Orangeville
Mayfair Confections	598 The Queensway, Toronto
Maynards (Canada) Ltd.	1 Scarsdale Rd., Don Mills
Mays, P.A.	260 King St., W. Chatham
Medallion Chocolate Ltd.	68 Broadview Ave., Toronto
National Nut Co. Div. of Wander Co. of Canada Ltd.	1220 Birchmount Rd., Scarborough
Neilson, William, Limited	277 Gladstone Ave., Toronto
Niagara Falls Fudge	Clifton Gate House, Niagara Falls
North American Candy Co.	127 Loretta, Ottawa
Olsen & Co., R.H.	21 Union St., Brockville
O-Pee-Chee Company Limited	430 Adelaide Street, London
Parkhurst Products Limited	111 Barber Greene Rd., Don Mills
Pet Milk Canada Ltd.	389 College St., Toronto
Planter's Nut & Chocolate Co. Ltd.	672 Dupont, St., Toronto

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
Ontario - Concluded:	
Pop's Popcorn	436 Dundas St. E., Toronto
Purity Popcorn Co. Limited	15 Camotor Ave., Toronto
Red Spot Nut Co. Ltd., The	25 Jarvis St., Toronto 1
Rhem Candy Co.	1146 Guelph Line, Burlington
Richie's Candies	847 Lake Shore Road, New Toronto
Robinson, Ernest G., Ltd.	301 Lansdowne Avenue, Toronto
Rowntree Company Limited,	72 Sterling Road, Toronto
Ryan's Candy Co.	725 Dupont Street, Toronto
Schneider's Reliable Sweets	Main St., Rockwood
Severn's Bakery	53 King St. E., Bowmanville
Smiles'n Chuckles Limited	162 Weber St. E., Kitchener
Super Puff't Popcorn Ltd.	85 Duke St., Toronto
Tilbest Food Ltd.	372 Wharnccliffe Rd. S., London
Toronto Toffee Company	354 King St. W., Toronto
Universal Confectionery Ltd.	158 Spruce St., Ottawa
Uptown Nut Shop	806½ Yonge St., Toronto
Vair's Candies	323 Talbots St., St. Thomas
Vend-Craft Gum Ltd.	430 Comstock Rd., Scarborough
Walkers Candies	574 Goyeau Street, Windsor
Watson Robert, Company, Limited,	363 Soraren Avenue, Toronto
Wee's Candy Store	392 Front St., Belleville
Weston, George, Ltd.	30-38 Colborne St., Brantford
Willard's Chocolate Company Limited	443 Wellington Street, W., Toronto
Wrigley, Wm. Jr. Co. Limited	1123 Leslie St., Don Mills
Manitoba:	
Bond & Ronald Ltd.	1500 King Edward St., Winnipeg
Consolidated Candy Company Ltd.	932 Sherbrooke St., Winnipeg
Deis House of Sweets	260 Dufferin Ave., Winnipeg
Galpern, L. Candy Company	Rorie & McDermott St. Winnipeg
Johnson Nut Company	620 Nairn Ave., Winnipeg
Paulin Chambers Co. Ltd.	311 Ross Ave., Winnipeg
Progress Candy 1963 Ltd.	209 Jarvis Avenue, Winnipeg
Rory's Concessions & Supply	1440 Erin St., Winnipeg
Weinshenker, B. and Sons Candy Company	401 Flora Avenue, Winnipeg
Saskatchewan:	
Cudmore, J.G.	19 Block, Hamilton Street, Regina
Alberta:	
Bridgeman's Chocolate Shop	1217 1st W., Calgary
Commercial Candy Works	809A Second Ave., E., Calgary
Olivier, G.F.	1005A First St. W., Calgary
Pavey Candies Ltd.	8232 - 103rd St., Edmonton
Severns Popcorn Co.	924 6th Ave. W., Calgary
British Columbia:	
Burbank Candies Ltd.	2010 West 10th Ave., Vancouver
Debrett Limited	234 E 14th Ave., Vancouver
Forrester, H.G.	675 Granville Street, Vancouver
Grant's Candies Ltd.	1836 E. Hastings St., Vancouver
Honeyland Candies	2005 Victoria Dr. Vancouver
Irving's Good Candies Ltd.	3770 W. 10th Ave., Vancouver
Jill Cookins Limited	1751 Boundary Road, Vancouver
Lee's Candies	4363 W. 10th Ave., Vancouver
Manning Candy Products Ltd.	302 McKenzie Ave., Revelstoke
Margo's Chocolates & Candies	912 Government St., Victoria
Mathews Candy Ltd.	1685 West 5th Ave., Vancouver
McKillop, Candy Co.	1520 Venables St., Vancouver
Munro, C.J. Ltd.	2404 Main St., Vancouver
Nabob Foods Ltd.	1106 Mainland Street, Vancouver
Nom Wah	216 Powell St., Vancouver
Nut House, The,	234 East 14th Ave., Vancouver 10
Park Lane Confections	2525 Stephens St., Vancouver
Pine Tree Nut Co. Ltd.	1074 Hamilton, Vancouver
Roger's Chocolates	913 Government Street, Victoria
Seaforth Candy Co. Ltd.	2954 Commercial Drive, Vancouver
Shaw's Candies Ltd.	Kelowna
Sikorski, P. and Son	6462 Main St., Vancouver
Sinclair Brothers Ltd.	310 Cordova Street, W., Vancouver
Stevenson's Chocolates	725 Yates Street, Victoria
Victoria Confections	859 Viewfield Rd., Victoria
Weich's Limited	779 Burrard St., Vancouver

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting 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
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

firm, when all establishments are in the same industry (3 or 4 digit). When establishments of such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers — Manufacturing activity

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. Production and related workers engaged in manufacturing activity 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 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. The man-hours of production and related workers in manufacturing activity 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.

(b) Production and related workers — Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,

etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and 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. Withdrawals of working owners defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees 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 worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

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. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) 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. These statistics represent only commodity items or physical goods (cost 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. 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) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent 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.

2. 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. Amounts paid to outside contractors for construction and repair work are 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 and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. 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 the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) 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 (book value) 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. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes 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 such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's 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 establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's 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 activities

Values represent the book values of manufacturing inventory 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. 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. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the



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receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

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 non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories 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.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "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 as part of 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".