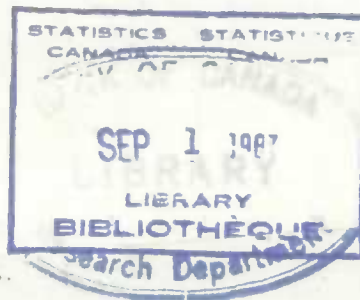


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BAKERIES

1963

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BAKERIES

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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 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.

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.
- Ⓕ preliminary figures.
- Ⓡ 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	Establishments	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		
1961													
Totals	2,600	17,544	39,322	53,931	10,508	165,729	365,172	189,091	2,424	7,910	32,268 ^f	106,640 ^f	194,992
1962													
Newfoundland	12	194	476	543	93	1,768	3,520	1,654	7	25	274	819	1,672
Prince Edward Island	8	48	109	91	22	255	499	221	8	29	64	129	221
Nova Scotia	73	455	1,044	1,125	389	5,216	10,864	5,283	66	239	870	2,547	5,310
New Brunswick	60	522	1,207	1,289	412	6,169	12,784	6,207	47	140	935	2,778	6,207
Quebec	874	5,280	11,927	16,118	3,238	54,247	113,782	56,328	820	2,871	9,652	31,695	57,800
Ontario	825	6,764	15,048	22,753	4,247	70,931	156,163	80,898	808	2,917	13,034 ^f	47,766 ^f	84,118
Manitoba	155	840	1,774	3,067	538	7,863	17,463	9,061	144	519	1,526	5,940	9,433
Saskatchewan	102	518	1,182	1,837	309	4,533	11,548	6,706	84	351	990	3,620	6,985
Alberta	177	923	2,015	3,332	583	9,543	21,565	11,440	160	576	1,787	6,608	11,889
British Columbia	342	1,422	3,064	5,730	987	14,094	32,212	17,134	283	1,092	2,818	11,359	18,025
Yukon and Northwest Territories													
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950 ^f	113,263 ^f	201,660
1963													
Newfoundland	15	173	394	515	86	1,807	3,568	1,696	x	x	263	825	1,723
Prince Edward Island	7	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	73	486	1,074	1,288	412	5,958	12,325	5,942	64	244	979	3,031	6,134
New Brunswick	58	513	1,207	1,400	435	6,390	13,168	6,344	45	153	946	2,956	6,335
Quebec	842	5,514	12,126	16,360	3,173	58,893	120,251	58,211	764	2,732	9,975	32,337	60,106
Ontario	802	6,662	14,758	23,591	4,136	76,058	157,924	78,029	774	2,868	12,539	47,998	81,463
Manitoba	154	825	1,681	3,164	579	8,227	18,314	9,507	142	563	1,500	6,034	9,897
Saskatchewan	101	486	1,021	1,880	286	4,954	11,842	6,600	76	309	969	3,771	6,853
Alberta	181	924	1,891	3,448	564	10,046	22,241	11,632	141	542	1,688	6,521	11,971
British Columbia	337	1,330	2,657	5,905	933	15,560	34,339	17,850	268	1,070	2,658	11,751	18,847
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	-	-	x	x	x
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

TABLE 1 B. 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 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												
1962													
Under \$10,000	190	20	47	49	58	576	1,258	624	198	385	59	118	702
\$ 10,000 to \$ 24,999	762	312	699	771	534	6,132	13,086	6,424	807	2,502	1,044	2,322	6,800
25,000 " 49,999	741	999	2,315	2,639	966	11,996	26,121	13,167	791	2,929	2,536	6,114	13,584
50,000 " 99,999	449	1,689	3,803	4,650	1,046	14,354	31,093	15,697	425	1,863	3,171	8,502	16,168
100,000 " 199,999	233	1,825	4,075	5,373	1,022	14,975	32,339	16,352	159	839	3,257	9,794	16,636
200,000 " 499,999	125	2,135	4,807	6,567	1,274	18,399	38,928	19,250	44	228	3,691	12,418	19,977
500,000 " 999,999	57	1,894	4,390	5,992	1,224	18,332	38,880	19,343	3	14	3,423	12,346	20,434
1,000,000 " 4,999,999	62	5,251	11,583	19,620	3,206	57,177	125,136	64,745	-	-	9,474	39,188	67,707
5,000,000 and over	9	2,841	6,127	10,224	1,488	32,681	73,558	39,330	-	-	4,991	20,347	39,700
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	304 ^r	2,113 ^r	(49)
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950^r	113,263^r	201,660
1963													
Under \$10,000	155	7	20	23	6	480	993	507	158	295	24	64	533
\$ 10,000 to \$ 24,999	736	254	535	696	129	6,408	13,032	6,495	776	2,430	820	1,960	6,878
25,000 " 49,999	735	966	2,030	2,868	980	12,268	26,390	13,142	759	2,896	2,245	5,972	13,591
50,000 " 99,999	439	1,444	3,084	4,295	1,038	14,491	30,762	15,234	405	1,843	2,833	8,997	15,669
100,000 " 199,999	239	1,780	3,907	5,388	1,090	15,988	33,462	16,387	151	837	3,178	9,767	16,726
200,000 " 499,999	136	2,361	5,258	7,370	1,382	20,322	41,695	20,001	38	227	4,079	13,696	20,946
500,000 " 999,999	58	1,714	3,781	5,802	1,204	18,810	39,153	19,327	3	21	3,125	11,971	20,673
1,000,000 " 4,999,999	63	5,275	11,437	19,629	3,185	59,971	127,678	64,538	-	-	9,545	39,545	67,497
5,000,000 and over	10	3,138	6,812	11,533	1,614	39,384	81,321	40,422	-	-	5,483	22,599	41,096
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	230	1,663	(37)
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

TABLE 1 C. 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 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												
1962													
Under \$10,000	786	270	594	671	490	5,512	11,007	5,008	819	2,246	841	1,860	5,400
\$ 10,000 to \$ 24,999	908	1,133	2,621	2,984	1,143	14,244	30,306	14,927	981	3,588	2,849	6,873	15,525
25,000 " 49,999	443	1,675	3,767	4,523	1,039	14,094	30,456	15,333	421	1,828	3,151	8,346	15,697
50,000 " 99,999	234	1,743	3,891	5,222	1,004	14,825	32,109	16,286	162	864	3,158	9,530	16,603
100,000 " 199,999	111	1,854	4,162	5,621	990	15,635	31,923	15,289	41	219	3,121	10,277	15,857
200,000 " 499,999	74	2,199	4,986	6,893	1,456	20,660	45,263	23,152	3	14	3,946	14,221	24,460
500,000 " 999,999	37	2,088	4,632	7,803	1,243	22,045	48,763	25,478	-	-	3,670	15,027	26,242
1,000,000 " 4,999,999	31	4,349	9,645	16,507	2,584	50,440	109,678	56,602	-	-	8,150	34,045	58,888
5,000,000 and over	4	1,655	3,549	5,661	868	17,168	40,896	22,857	-	-	2,760	10,972	23,037
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	304 ^r	2,113 ^r	(49)
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950^r	113,263^r	201,660
1963													
Under \$10,000	663	135	300	378	86	4,651	9,019	4,281	681	1,850	486	1,166	4,601
\$ 10,000 to \$ 24,999	961	1,109	2,310	3,210	1,071	15,089	31,813	15,652	1,009	3,729	2,619	6,844	16,284
25,000 " 49,999	445	1,482	3,176	4,400	1,058	15,000	31,435	15,377	418	1,906	2,902	8,290	15,788
50,000 " 99,999	237	1,828	4,011	5,468	1,066	15,970	33,402	16,371	135	779	3,211	9,768	16,629
100,000 " 199,999	119	2,005	4,436	6,189	1,105	17,606	34,969	16,259	44	264	3,366	11,192	16,972
200,000 " 499,999	76	2,201	4,863	7,466	1,548	22,762	48,628	24,513	3	21	4,030	15,207	26,140
500,000 " 999,999	41	2,733	5,866	10,012	1,478	30,208	62,845	31,176	-	-	4,561	18,565	32,109
1,000,000 " 4,999,999	26	4,098	9,031	16,098	2,422	50,204	106,239	53,697	-	-	7,737	32,807	56,179
5,000,000 and over	3	1,348	2,872	4,382	795	16,633	36,136	18,727	-	-	2,420	9,830	18,906
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	230	1,663	(37)
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

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	736	229	511	578	449	5,039	10,075	4,590	768	2,086	716	1,587	4,758
\$ 10,000 to \$ 24,999	932	1,111	2,557	2,898	1,124	14,120	30,033	14,797	1,001	3,624	2,794	6,713	15,316
25,000 " 49,999	455	1,639	3,693	4,420	1,052	14,087	30,447	15,318	446	1,924	3,144	8,271	15,769
50,000 " 99,999	246	1,826	4,072	5,448	1,017	15,268	32,955	16,678	168	892	3,295	9,843	17,079
100,000 " 199,999	108	1,789	4,007	5,430	939	14,844	30,384	14,591	41	219	3,017	9,878	14,903
200,000 " 499,999	75	2,150	4,890	6,696	1,424	20,301	44,010	22,289	3	14	3,769	13,520	23,480
500,000 " 999,999	40	2,185	4,854	8,122	1,333	22,904	50,750	26,518	-	-	3,897	15,804	27,398
1,000,000 " 4,999,999	32	4,382	9,714	16,633	2,614	50,890	110,850	57,293	-	-	8,254	34,562	59,969
5,000,000 and over	4	1,655	3,549	5,661	868	17,168	40,896	22,857	-	-	2,780	10,972	23,037
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	304 ^r	2,113 ^r	(49)
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950^r	113,263^r	201,660
1963													
Under \$10,000	626	106	237	295	48	4,270	8,295	3,977	646	1,728	400	946	4,057
\$ 10,000 to \$ 24,999	957	1,038	2,170	3,002	1,031	14,641	30,771	15,099	1,007	3,686	2,477	6,447	15,600
25,000 " 49,999	473	1,502	3,215	4,475	1,094	15,334	32,157	15,730	448	2,034	2,968	8,446	16,269
50,000 " 99,999	243	1,845	4,030	5,483	1,057	15,765	33,048	16,228	142	816	3,216	9,756	16,651
100,000 " 199,999	120	1,939	4,306	6,035	1,057	16,959	33,923	15,911	44	264	3,276	10,898	16,313
200,000 " 499,999	79	2,241	4,945	7,439	1,547	22,878	48,562	24,330	3	21	4,067	15,045	25,912
500,000 " 999,999	43	2,754	5,922	10,157	1,498	30,348	63,240	31,408	-	-	4,588	18,734	32,430
1,000,000 " 4,999,999	27	4,166	9,169	16,336	2,501	51,295	108,354	54,643	-	-	7,920	33,568	57,472
5,000,000 and over	3	1,348	2,872	4,382	795	16,633	36,136	18,727	-	-	2,420	9,830	18,906
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	230	1,663	(37)
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

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	1,380	719	1,666	1,888	1,140	13,544	28,928	14,255	1,468	4,690	2,089	5,032	14,758
5- 14 employed	879	2,986	6,739	8,381	1,974	26,760	58,054	29,329	854	3,507	5,895	15,948	30,238
15- 49 "	257	3,666	8,277	11,331	2,093	32,260	67,823	33,449	102	548	6,346	20,911	34,746
50- 99 "	59	2,321	5,189	7,628	1,468	22,654	50,217	26,130	3	14	4,158	15,504	27,151
100-199 "	30	2,313	5,105	8,145	1,512	25,347	54,616	27,755	-	-	4,191	16,413	28,817
200-499 "	19	3,456	7,709	13,353	1,678	36,718	81,575	43,107	-	-	6,052	25,454	44,747
500 employed and over	4	1,505	3,162	5,159	951	17,339	39,187	20,905	-	-	2,915	11,889	21,252
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	304 ^r	2,113 ^r	(49)
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950^r	113,263^r	201,660
1963													
Under 5 employed	1,394	758	1,602	2,230	796	15,312	31,863	15,755	1,454	4,746	1,977	5,154	16,198
5- 14 employed	819	2,801	6,049	8,490	1,989	28,237	59,701	29,477	746	3,262	5,490	16,044	30,435
15- 49 "	245	3,602	7,926	11,515	2,140	33,138	68,898	33,831	87	521	6,223	21,294	35,284
50- 99 "	58	2,224	4,916	7,495	1,458	22,541	48,554	24,549	3	21	4,020	15,354	26,163
100-199 "	31	2,383	5,091	8,418	1,421	27,019	55,254	26,825	-	-	4,201	16,275	27,408
200-499 "	19	3,311	7,376	13,141	1,736	39,426	60,603	39,527	-	-	5,902	25,085	41,700
500 employed and over	5	1,860	3,904	6,315	1,088	22,451	49,614	26,091	-	-	3,519	14,463	26,420
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	230	1,663	(37)
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

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	1,729	2,553	5,819	6,893	2,176	28,312	60,619	30,148	1,722	6,406	5,544	13,943	31,131
Partnerships	345	855 ^r	1,915	2,437	763	9,885	20,954	10,309	705	2,353	1,720	4,658	10,585
Incorporated companies	547	13,515	30,015	46,421	7,856	136,121	298,162	154,136	-	-	24,308	92,303	159,648
Cooperatives	7	43	98	135	22	303	665	339	-	-	74	246	345
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	304 ^r	2,113 ^r	(49)
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950^r	113,263^r	201,660
1963													
Individual ownerships	1,671	2,291	4,936	6,729	1,808	29,124	60,775	29,845	1,860	6,313	4,906	13,313	30,843
Partnerships	305	780	1,702	2,276	676	9,365	19,637	9,599	627	2,231	1,477	4,208	9,779
Incorporated companies	586	13,816	30,106	48,440	8,120	149,246	313,215	156,161	3	6	24,855	95,843	162,521
Cooperatives	9	52	120	159	25	387	859	447	-	-	92	306	465
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	230	1,663	(37)
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571

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	380,400	394,486	34,440	38,105	414,840	432,591
Inventories - Goods of own manufacture:						
Add closing - Goods in process	91	79	...	...	91	79
Finished goods	731	872	...	...	731	872
Less opening - Goods in process	97	71	...	...	97	71
Finished goods	755	562	...	...	755	562
2. Net inventory change	(30)	318	...	...	(30)	318
3. Gross output (1 + 2)	380,370	394,804	34,440	38,105	414,810	432,909
Input						
4. Purchases of goods not of own manufacture .....	...	...	26,263	29,203	26,263	29,203
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	333	293	333	293
Less closing .....	...	...	311	277	311	277
5. Cost of goods sold (not of own manufacture) .....	...	...	26,285	29,219	26,285	29,219
6. Materials, supplies, components and semi-processed goods	174,621	188,123	1,427	1,366	176,048	189,489
7. Fuel and electricity	10,817	10,629	...	...	10,817	10,629
8. Gross input (5 + 6 + 7)	185,438	198,752	27,712	30,585	213,150	229,337
Census value added (3 - 8)	194,932	196,053	6,728	7,518	201,660	203,571

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Admini- trative and office		Sales and distribution		Total employees		Production and related workers		Admini- strative and office	Sales and distrib- ution	Total salaries and wages
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1962															
Newfoundland	128	66	-	8	10	10	44	8	162	92	543	11	81	184	819
Prince Edward Island	27	21	-	-	2	-	10	4	39	25	91	-	8	30	129
Nova Scotia	343	112	-	-	30	29	283	73	656	214	1,125	-	288	1,135	2,547
New Brunswick	380	142	-	-	54	41	269	49	703	232	1,289	-	377	1,113	2,778
Quebec	4,147	1,133	33	15	497	271	3,092	464	7,769	1,863	16,118	132	3,704	11,742	31,695
Ontario	5,248	1,516	12	41	730 ^f	480 ^f	3,721	1,286	9,711 ^f	3,323 ^f	22,753	115	6,209 ^f	18,688	47,766 ^f
Manitoba	653	187	-	-	74	50	420	142	1,147	379	3,067	-	627	2,245	5,940
Saskatchewan	393	125	-	-	48	37	248	141	687	303	1,837	-	394	1,390	3,620
Alberta	666	257	1	3	94	57	452	257	1,213	574	3,332	12	748	2,518	6,608
British Columbia															
Yukon and Northwest Territories	1,079	343	-	-	131	112	689	464	1,899	919	5,730	-	1,203	4,427	11,359
Totals	13,064	3,902	46	67	1,668^f	1,087^f	9,228	2,888	24,006^f	7,944^f	55,885	270	13,638^f	43,469	113,263^f
1963															
Newfoundland	117	58	-	8	9	10	55	6	181	82	515	9	85	216	825
Prince Edward Island	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Nova Scotia	371	115	-	-	39	30	336	88	746	233	1,288	-	320	1,423	3,031
New Brunswick	396	117	-	-	49	42	281	61	726	220	1,400	-	367	1,189	2,956
Quebec	4,254	1,260	75	5	487	261	3,203	430	8,019	1,956	16,360	301	3,526	12,150	32,337
Ontario	5,204	1,458	5	26	729	436	3,525	1,156	9,463	3,076	23,591	77	6,216	16,114	47,998
Manitoba	615	210	-	-	69	54	404	148	1,088	412	3,164	-	622	2,248	6,034
Saskatchewan	363	123	-	-	50	37	252	144	665	304	1,880	-	396	1,495	3,771
Alberta	663	261	-	-	80	66	394	224	1,137	551	3,448	-	683	2,390	6,521
British Columbia	1,023	307	-	-	101	111	626	490	1,750	908	5,905	-	1,084	4,763	11,751
Yukon and Northwest Territories	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Totals	13,021	3,918	80	39	1,615	1,048	9,086	2,755	23,802	7,760	57,603	388	13,312	44,028	115,332

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	9,047	2,434	10,220	3,167
February	9,031	2,485	10,210	3,157
March	9,088	2,529	10,274	3,249
April	9,169	2,623	10,273	3,284
May	9,237	2,726	10,552	3,444
June	9,541	2,881	10,967	3,563
July	9,633	2,878	11,028	3,553
August	9,712	2,668	11,109	3,537
September	9,474	2,828	10,738	3,525
October	9,374	2,802	10,660	3,446
November	9,289	2,836	10,449	3,408
December	9,308	2,724	10,413	3,296
Average for establishments reporting monthly detail (collected only for large establishments)	9,325	2,714	10,574	3,396
Average for small establishments (only annual averages collected)	1,405	293	2,447	522
Average for all establishments	13,064	3,902	13,021	3,918

Note: There were 2,334 male and 895 female employees collected from medium size establishments in 1962. These employees are included in Table 3 but are shown only in the column "Average for all establishments" in Table 3 A.

TABLE 4. Industry Inventories,¹ 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	193	1	8	203	—	203
Prince Edward Island	x	—	—	x	—	x
Nova Scotia	422	9	31	462	3	464
New Brunswick	494	--	24	518	2	520
Quebec	4,560	26	300	4,886	92	4,978
Ontario	4,385	30	177	4,592	135	4,727
Manitoba	549	—	3	552	2	554
Saskatchewan	391	—	1	391	1	392
Alberta	634	—	5	639	13	652
British Columbia	1,061	4	35	1,099	45	1,144
Yukon and Northwest Territories	x	—	—	x	—	x
Totals	12,706	71	581	13,358	293	13,651
Closing:						
Newfoundland	177	1	10	188	—	188
Prince Edward Island	x	—	—	x	—	x
Nova Scotia	582	7	20	608	2	611
New Brunswick	491	3	22	515	2	518
Quebec	4,829	22	329	5,180	95	5,275
Ontario	4,919	35	476	5,430	108	5,538
Manitoba	614	—	2	616	2	618
Saskatchewan	367	—	1	368	1	370
Alberta	677	--	8	683	15	698
British Columbia	1,183	11	31	1,225	51	1,277
Yukon and Northwest Territories	x	—	—	x	—	x
Totals	13,858	79	897	14,834	277	15,111

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	3,278	44	3,243	51
(b) Imported	"	1,668	24	589	8
Sub-bituminous coal (from Alberta mines only)	"	—	—	—	—
Anthracite coal	"	121	2	273	6
Lignite coal	"	75	1	63	1
Coke	"	166	3	181	5
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	10,848,563	3,416	11,767,633	3,926
Fuel oil including kerosene or coal oil	"	8,771,304	1,249	10,321,623	1,433
Wood	cord	456	8	422	6
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	92,076	22	138,376	35
(b) Other manufactured gas	M cu.ft.	24,055	22	62,647	33
(c) Natural gas	"	1,731,369	1,043	1,737,137	1,163
Other fuel		...	--	...	—
Electricity purchased	kwh.	87,344,789	1,269	108,106,204	1,533
Steam purchased		...	33	...	117
2. Estimate for small establishments:					
Fuel and electricity		...	1,882	...	2,314
3. All establishments:					
Total fuel and electricity used		...	10,817	...	10,629

¹ The difference between figures in Table 4 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. See also "Concepts and Definitions" for explanation of other variances.

Note: The amount of \$1,798,000 of fuel and electricity was collected from medium size establishments in 1962. This amount is included in "Total fuel and electricity used" only in Table 5.

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

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Baking powder	lb. 1,139,502	174	1,153,112	169
Butter	" 1,411,302	814	1,359,171	748
Chocolate	" 1,352,190	546	1,470,031	564
Cocoa	" 1,363,769	400	1,243,590	336
Cocconut, shredded	" 1,779,972	410	1,397,580	341
Corn starch	" 1,090,033	128	1,106,665	127
Cream	gal. 139,498	445	109,911	334
Cream powder	lb. 42,925	25	68,352	34
Cream of tartar and substitutes	" 36,590	15	43,567	16
Eggs, in shell	doz. 2,758,857	1,019	1,947,704	714
Eggs, frozen	lb. 12,893,842	3,766	12,860,655	3,871
Eggs, liquid, not frozen	" 327,491	91	738,693	213
Egg powder (dried yolk and albumen)	" 139,197	139	143,153	153
Egg substitutes	" 26,341	18	33,516	21
Extracts, essences, etc.	"	342	...	314
Flour:				
Hard wheat (bread flour)	cwt. 11,033,397	53,912	10,391,004	52,779
Soft wheat (cake flour)	" 623,778	3,360	605,720	3,288
Soya	lb. 175,464	21	206,601	26
Cake mixtures, prepared	" 4,534,788	661	3,885,512	617
Doughnut and pastry mixtures	" 26,588,170	3,756	29,665,035	4,211
Other flours, (rye, rolled oats, corn meal, whole wheat, etc.)	" 50,424,391	2,707	48,725,629	2,732
Fruits:				
Raisins, currants and other dried fruits	" 14,980,383	3,038	14,132,972	2,829
Fresh fruits, all kinds	"	151	...	264
Jam, jellies and marmalades	lb. 8,166,303	1,361	7,838,944	1,392
Preserved and canned, other	" 6,505,550	1,429	5,799,151	1,228
Frozen fruits	" 5,910,589	1,189	5,953,164	1,246
Filling for pies:				
Apple	" 4,052,211	539	4,454,455	604
Other	" 1,355,608	227	1,659,993	326
Gelatine	" 49,653	31	75,031	38
Glucose	" 1,961,083	162	5,595,155	503
Honey	" 692,571	130	1,103,484	188
Lard	" 32,128,260	4,492	26,859,723	3,761
Leicithin	" 61,399	12	87,100	22
Malt flour	" 686,191	91	747,744	95
Malt extracts and syrups	" 2,734,763	405	1,608,310	226
Margarine	" 1,115,995	266	1,164,891	255
Meat for pies	" 1,632,605	715	1,207,164	556
Milk, condensed and evaporated	" 771,451	78	1,634,034	178
Milk, fresh including skim	gal. 688,999	212	474,898	178
Milk, powdered	lb. 27,706,356	2,426	24,803,348	2,748
Molasses	" 1,899,703	150	1,725,540	142
Monoglyceride emulsifier	" 759,905	301	812,398	291
Nuts (walnuts, almonds, pecans, etc.)	" 1,433,421	912	1,303,053	845
Peanuts	" 89,788	31	158,547	48
Potatoes	" 201,346	9	375,232	15
Potato starch and flour	" 446,836	59	282,111	39
Oils:				
Corn	" 391,418	92	415,363	94
Cottonseed	" 831,974	173	727,146	150
Other cooking	" 3,051,002	600	2,967,578	627
Peanut butter	" 75,123	19	99,489	24
Salt	" 24,134,678	400	24,804,653	417
Shortening	" 32,920,901	7,014	32,052,954	6,433
Sodium bicarbonate (baking soda)	" 385,589	27	967,960	111
Sugar:				
Cane and beet	" 115,145,758	9,530	101,584,108	12,774
Corn and dextrose	" 967,051	103	2,227,166	278
Spices	" 332,438	248	346,673	237
Syrups:				
Corn	" 468,730	45	686,425	79
Other	" 686,547	169	830,209	213
Yeast	" 25,309,039	4,538	23,698,761	4,207
Yeast powders and other bread improvers	" 9,600,203	1,468	9,734,619	1,517
All other materials and components used ¹	"	26,917	...	40,510
2. Containers and other packaging materials and supplies used:				
Waxed paper wrappers	"	7,472	...	6,420
Bread cartons and cake boxes	"	8,705	...	8,371
Cellulose film and other containers	"	10,688	...	10,753
3. Operating, maintenance and repair supplies used (excluding fuel)				
...	...	5,043	...	5,119
4. Amount paid out to others for work done on materials owned by establishments				
...	...	204	...	183
Totals .....	...	174,621	...	188,123

¹ No detailed information on materials used was collected from small establishments, the estimated cost for which are included here. These estimated costs were \$23,525,561 in 1962 and \$36,616,414 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:				
Bread	1,653,877,005	222,702	1,647,504,073	227,613
Plain rolls and buns .....	...	24,525	...	27,451
Fruit buns, yeast raised sweet goods, etc. ....	...	15,698	...	16,513
Pies, cakes, cookies, pastries, etc. ....	...	94,090	...	93,891
Doughnuts .....	...	15,293	...	17,151
Meat pies .....	...	2,612	...	2,673
Puddings, including canned	319,927	120	346,683	226
Catering .....	...	1,437	...	1,438
All other products .....	...	3,856	...	7,653
2. Amount received in payment for work done on materials and products owned by others .....	...	41	...	170
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(172)	...	(293)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	380,400	...	394,486

TABLE 7 A. Shipments of Goods of Own Manufacture, Canada and the Provinces, 1963

Items of production	Canada		Newfoundland		Prince Edward Island	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	1,647,504,073	227,613	16,141,755	2,388	1,704,800	280
Plain rolls and buns	27,451	...	237	...	14
Yeast-raised sweet goods	16,513	...	1	...	2
Pies, cakes, pastries	93,891	...	855	...	94
Doughnuts	17,151	...	35	...	1
All other products and services	12,160	...	73	...	25
Totals	394,779	...	3,588	...	421
	Nova Scotia		New Brunswick		Quebec	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	57,012,946	8,594	67,043,497	9,503	505,734,780	68,002
Plain rolls and buns	527	...	521	...	7,298
Yeast-raised sweet goods	194	...	132	...	2,591
Pies, cakes, pastries	1,961	...	2,568	...	34,193
Doughnuts	986	...	456	...	4,173
All other products and services	99	...	80	...	4,043
Totals	12,361	...	13,261	...	120,300
	Ontario		Manitoba		Saskatchewan	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	642,435,403	83,908	75,167,349	11,650	54,501,689	8,361
Plain rolls and buns	13,588	...	1,201	...	780
Yeast-raised sweet goods	9,487	...	1,064	...	530
Pies, cakes, pastries	36,949	...	3,597	...	1,592
Doughnuts	7,887	...	558	...	453
All other products and services	6,197	...	250	...	132
Totals	158,016	...	18,319	...	11,847
	Alberta		British Columbia and N.W.T.			
	Quantity	Value	Quantity	Value		
	lbs.	\$'000	lbs.	\$'000		
Bread	102,248,369	14,477	125,513,485	20,450		
Plain rolls and buns	1,426	...	1,858		
Yeast-raised sweet goods	762	...	1,686		
Pies, cakes, pastries	4,093	...	7,989		
Doughnuts	1,158	...	1,420		
All other products and services	332	...	1,014		
Totals	22,248	...	34,418		

TABLE 7 B. Selected Commodity Items Made in Bakeries, 1946 - 63

Year	Quantity of bread made	Value of bread made	Plain rolls and buns	Fruit buns, yeast-raised sweet goods	Pies, cakes and pastries	Doughnuts made
	pounds			\$'000		
1946	1,368,713,372	79,269	6,202	10,912	46,139	2,937
1947	1,379,807,131	91,748	4,753	10,225	52,832	3,175
1948	1,367,096,844	110,644	6,052	9,648	55,291	3,281
1949	1,345,183,504	121,166	6,128	10,612	57,627	4,676
1950	1,379,851,428	130,618	8,543	14,150	49,438	7,838
1951	1,416,961,847	149,311	10,805	12,115	60,663	8,112
1952	1,521,196,406	161,343	10,377	14,534	82,171	7,864
1953	1,554,460,785	171,547	11,063	15,953	67,754	7,019
1954	1,523,305,930	172,918	10,615	16,179	68,545	7,587
1955	1,527,510,983	174,855	13,429	14,164	73,877	8,729
1956	1,604,533,852	185,824	12,634	18,647	73,645	10,682
1957	1,650,588,224	198,244	15,572	17,985	83,998	10,976
1958	1,646,998,059	203,332	18,715	14,214	86,992	12,402
1959	1,650,040,811	206,216	19,609	17,187	88,447	12,688
1960	1,648,168,664	214,748	21,664	16,733	92,653	14,417
1961	1,660,399,451	219,091	22,329	17,516	88,598	14,834
1962	1,653,877,005	222,702	24,525	15,898	94,090	15,293
1963	1,647,504,073	227,613	27,451	16,513	93,891	17,151

TABLE 7 C. Average Selling Price per Pound of Bread in Canada and the Provinces, for Representative Years, 1929 - 63

Year	Canada	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	cents										
1929	6.4	-	8.9	7.1	7.0	6.0	6.5	6.0	6.7	6.8	6.7
1933	4.5	-	5.2	5.1	5.3	4.1	4.8	4.3	4.2	4.6	4.9
1935	4.9	-	5.1	4.8	5.4	4.4	5.2	4.4	4.6	4.9	5.9
1937	5.7	-	6.3	5.5	5.7	5.3	5.9	5.4	5.6	6.0	7.1
1938	5.5	-	5.6	5.8	5.8	5.4	5.4	8.4	5.6	6.1	7.1
1939	5.2	-	5.7	5.1	5.5	4.7	5.2	5.0	5.3	5.9	6.4
1940	5.3	-	5.5	5.9	5.6	4.9	5.2	5.0	5.2	6.2	6.4
1941	5.4	-	5.4	5.8	5.6	4.9	5.5	5.3	5.3	6.1	6.7
1942	5.5	-	5.7	6.4	5.9	4.8	5.7	5.3	5.2	5.9	8.8
1943	5.5	-	5.6	6.2	6.0	4.9	5.6	5.5	5.2	5.6	7.0
1944	5.6	-	5.4	6.5	8.0	5.0	5.7	5.2	5.3	5.9	7.0
1945	5.7	-	5.7	6.6	8.4	5.0	5.7	5.5	5.1	6.1	7.2
1946	5.8	-	5.8	6.6	6.6	5.2	5.7	6.0	5.2	6.1	7.2
1947	6.6	-	6.4	7.5	7.1	6.4	6.5	7.1	5.8	6.8	7.8
1948	8.1	-	7.7	8.6	8.4	7.5	8.1	7.6	6.0	8.3	9.1
1949	9.0	9.0	9.1	10.1	10.6	8.6	9.0	9.1	8.6	8.9	9.8
1950	9.5	9.3	9.1	10.2	10.6	9.1	9.4	10.4	9.0	9.2	10.3
1951	10.5	10.1	10.3	10.9	11.5	10.0	10.6	11.4	10.1	10.4	11.5
1952	10.6	10.6	12.1	11.2	11.4	10.1	10.4	11.5	10.4	10.6	12.3
1953	11.0	10.8	12.1	12.1	11.3	10.3	10.9	11.9	11.1	11.4	13.0
1954	11.4	11.5	12.8	12.3	12.4	10.9	11.1	12.3	11.6	11.6	13.0
1955	11.4	11.5	12.8	12.2	12.4	11.0	11.1	12.3	11.8	11.6	13.0
1956	11.6	11.9	12.9	12.2	12.0	10.9	11.1	12.7	12.3	12.3	14.0
1957	12.0	12.2	13.2	12.7	12.6	11.2	11.6	13.4	12.9	12.9	14.1
1958	12.3	12.5	13.0	13.2	12.6	11.8	12.0	13.5	12.8	13.0	14.6
1959	12.5	..	..	..	..	..	..	..	..	..	..
1960	13.0	13.2	14.6	13.8	13.1	12.7	12.5	13.8	14.2	13.6	14.9
1961	13.2	14.8	13.9	14.0	13.9	12.6	12.9	13.7	14.2	14.0	14.6
1962	13.5	14.3	15.3	14.2	14.0	12.9	13.0	15.3	15.2	13.9	15.1
1963	13.8	14.8	16.4	15.1	14.2	13.4	13.1	15.5	15.3	14.2	16.2

TABLE 7 D. Distribution of Sales, 1963

Province	Estab- lish- ments reporting	Total sales ¹	Wholesale sale to restaurants, institutions, etc.	Retail	
				House to house	Through Bakery-owned stores
	No.		\$'000		
Newfoundland	15	3,718	3,626	22	71
Prince Edward Island	7	421	348	—	73
Nova Scotia	73	12,781	10,683	498	1,600
New Brunswick	58	13,362	11,148	998	1,216
Quebec	842	121,842	68,219	37,449	16,175
Ontario	802	164,210	102,266	27,803	34,140
Manitoba	154	19,828	13,786	2,625	3,417
Saskatchewan	101	12,765	8,773	1,245	2,747
Alberta	181	24,077	16,281	2,600	5,196
British Columbia and Northwest Territories	338	38,945	25,336	4,305	9,304
Canada	2,571	411,948	260,466	77,545	73,937

	Percentage of sales			
Newfoundland	100.0	97.5	0.6	1.9
Prince Edward Island	100.0	82.7	—	17.3
Nova Scotia	100.0	83.6	3.9	12.5
New Brunswick	100.0	83.4	7.5	9.1
Quebec	100.0	56.0	30.7	13.3
Ontario	100.0	62.3	16.9	20.8
Manitoba	100.0	69.5	13.2	17.3
Saskatchewan	100.0	68.7	9.8	21.5
Alberta	100.0	67.6	10.8	21.6
British Columbia and Northwest Territories	100.0	65.1	11.0	23.9
Canada	100.0	63.2	18.8	18.0

¹ Adjusted for inter-company transfers and sales of items not manufactured by reporting establishments.

TABLE 8. Quantity and Value of Bread Shipped — All Industries and Per Capita Consumption in Pounds, 1929 - 63
(includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Year	Quantity of bread	Value of bread	Per capita consumption
	pounds	\$'000	pounds
1929	935,794,310	59,635	93.3
1931	942,784,007	46,930	90.9
1932	889,943,664	40,371	84.7
1933	877,973,648	39,125	82.2
1934	911,566,536	42,866	84.1
1935	903,564,827	44,491	82.6
1936	809,287,675	47,659	82.4
1937	963,273,659	55,253	86.6
1938	1,010,072,652	55,502	90.1
1939	999,457,133	51,666	88.3
1940	1,033,542,503	54,957	88.9
1941	1,068,450,351	58,321	93.6
1942	1,153,838,551	63,346	100.7
1943	1,244,207,552	68,899	105.5
1944	1,249,083,402	70,253	104.6
1945	1,291,903,364	73,769	107.0
1946	1,375,255,605	79,656	111.9
1947	1,385,307,970	92,140	110.4
1948	1,370,672,229	110,960	106.9
1949	1,346,427,395	121,395	100.6
1950	1,382,681,193	130,883	100.8
1951	1,419,249,722	149,482	101.3
1952	1,523,881,705	161,553	105.6
1953	1,557,542,322	171,795	105.4
1954	1,525,973,673	173,166	100.5
1955	1,530,048,677	175,097	98.1
1956	1,606,946,412	186,061	99.9
1957	1,653,176,579	198,515	99.7
1958	1,649,951,480	203,659	96.8
1959	1,653,476,305	206,588	94.8
1960	1,651,762,778	215,287	92.7
1961	1,664,928,511	219,749	92.5
1961 ¹	1,668,242,345	220,295	92.7
1962 ¹	1,668,044,592	225,124	89.8
1963 ¹	1,659,698,574	229,881	87.8

¹ Includes bread produced by merchandising establishments.

TABLE 9. Motor and Horse-drawn Delivery Vehicles, for Specific Years, 1959 - 63

	Motor delivery vehicles ¹					Horse-drawn delivery vehicles ¹				
	1959	1960	1961	1962	1963	1959	1960	1961	1962	1963
	number									
Normally in use.....	7,774	7,899	7,579	7,353	6,402	76	43	20	7	11
Normally idle.....	741	752	790	753	695	16	8	5	2	-

¹ Does not include small establishments.

The Weight of a Loaf of Bread

According to information collected by the Bureau of Statistics, the average weight of a loaf in the provinces may be stated as follows:

Province	Weight
Newfoundland.....	24 ounces
Prince Edward Island.....	20 ounces
Nova Scotia and New Brunswick.....	20 and 24 ounces, except in the case of "small bread"
Quebec.....	In certain municipalities at 1½ pounds or 24 ounces, while in the remaining parts of the province it is variously stated at 4, 5, and 6 pounds.
Ontario.....	16, 24 or 48 ounces
Manitoba.....	Generally at 16 and 20 ounces, except in outlying portions of the province where it is stated at 3 pounds.
Saskatchewan and Alberta.....	20 ounces
British Columbia.....	15 ounces for wrapped and 16 for unwrapped

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".