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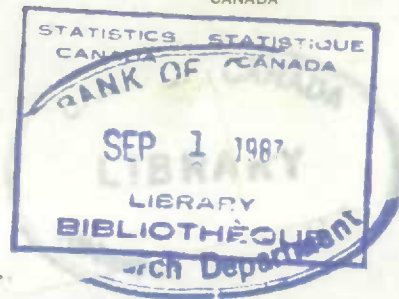
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BAKERIES

1964

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PUBLICATIONS

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BAKERIES

1964

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. Principal Statistics, 1961-64

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		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'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	106,640	194,992
1962													
Totals	2,628	16,966	37,847	55,885	10,617	174,621	380,400	194,932	2,427	8,759	31,950	113,263	201,660
1963													
Newfoundland	15	173	394	515	86	1,807	3,588	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	2,668	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	288	4,954	11,842	6,600	76	309	969	3,771	6,853
Alberta	181	824	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	18,647
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
1964													
Newfoundland	19	158	356	505	97	1,941	3,748	1,708	x	x	260	903	1,937
Prince Edward Island	7	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	74	499	1,115	1,367	451	8,199	12,756	6,101	66	238	1,005	3,107	6,344
New Brunswick	56	555	1,187	1,377	492	6,684	13,710	6,526	37	121	1,007	3,037	6,533
Quebec	801	5,818	13,069	18,320	3,690	67,001	137,295	66,639	727	2,726	10,468	38,050	68,829
Ontario	794	6,824	15,178	25,512	4,515	81,133	167,145	81,618	762	2,865	12,607	50,883	85,217
Manitoba	153	788	1,609	3,330	595	8,603	19,375	10,177	138	539	1,516	6,387	10,659
Saskatchewan	114	483	1,037	1,933	322	5,049	12,678	7,307	84	329	966	3,835	7,620
Alberta	191	888	1,853	3,493	615	10,367	23,284	12,304	143	585	1,685	6,665	12,697
British Columbia	338	1,344	2,735	6,500	1,008	16,420	37,122	19,694	254	1,063	2,704	12,510	20,853
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	-	-	x	x	x
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000	\$'000					'000	\$'000		\$'000			
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	12,269	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	8,097	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	1,814	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	384,486	196,053	2,290	8,549	31,562	115,332	203,571
1964													
Under \$10,000	154	6	16	23	43	469	1,010	498	155	299	34	79	551
\$ 10,000 to \$ 24,999	665	194	416	583	447	5,674	11,804	5,683	700	2,203	744	1,797	8,129
25,000 " 49,999	716	867	1,869	2,732	925	12,059	25,668	12,686	724	2,818	2,155	5,912	13,597
50,000 " 99,999	479	1,437	3,125	4,452	1,111	15,330	32,729	16,289	444	2,026	2,928	8,632	17,024
100,000 " 199,999	250	1,823	4,033	5,611	1,127	16,102	34,836	17,407	160	875	3,235	10,210	17,715
200,000 " 499,999	147	2,325	5,173	7,576	1,526	20,743	43,521	21,262	47	304	4,027	14,016	22,022
500,000 " 999,999	59	1,721	3,834	6,160	1,306	20,006	41,654	20,347	1	3	3,165	12,413	21,740
1,000,000 " 4,999,999	66	5,291	11,343	20,243	3,383	65,281	138,706	70,112	-	-	9,465	40,178	73,362
5,000,000 and over	12	3,722	8,388	15,022	1,943	48,004	97,936	48,047	-	-	6,150	27,691	48,653
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000	\$'000					'000	\$'000		\$'000			
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	284	3,366	11,192	16,972
200,000 " 499,999	76	2,201	4,863	7,486	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	384,486	196,053	2,290	8,549	31,562	115,332	203,571
1964													
Under \$10,000	634	98	220	303	361	4,423	8,803	4,019	658	1,823	477	1,130	4,456
\$ 10,000 to \$ 24,999	914	1,012	2,171	3,119	1,116	14,798	30,854	14,940	939	3,538	2,542	6,866	16,158
25,000 " 49,999	482	1,484	3,226	4,601	1,180	15,891	33,754	16,702	450	2,049	2,970	8,793	17,259
50,000 " 99,999	233	1,772	3,918	5,379	1,095	15,622	33,074	16,356	129	739	3,129	9,833	16,744
100,000 " 199,999	128	1,902	4,228	6,141	1,191	16,218	34,420	17,020	54	375	3,308	11,308	17,541
200,000 " 499,999	79	2,158	4,803	7,688	1,569	24,203	50,674	24,904	1	3	3,905	15,119	26,422
500,000 " 999,999	42	2,491	5,387	9,511	1,498	31,329	64,185	31,443	-	-	4,237	17,883	32,351
1,000,000 " 4,999,999	33	5,173	11,209	20,814	2,940	63,201	134,038	67,904	-	-	9,069	40,123	70,758
5,000,000 and over	3	1,286	3,037	4,846	881	17,980	37,864	19,043	-	-	2,244	9,872	19,107
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000				'000			'000		'000			
1963													
Under \$10,000	628	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	15,098	1,007	3,686	2,477	6,447	15,800
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	-	-	4,568	18,734	32,430
1,000,000 " 4,999,999	27	4,166	9,169	16,338	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
1964													
Under \$10,000	594	82	183	250	321	4,049	8,093	3,723	616	1,688	402	939	3,885
\$ 10,000 to \$ 24,999	912	918	1,970	2,840	1,066	14,258	29,781	14,458	941	3,513	2,347	8,288	15,098
25,000 " 49,999	493	1,441	3,128	4,468	1,134	15,528	33,035	16,372	470	2,101	2,900	8,551	16,980
50,000 " 99,999	255	1,845	4,068	5,582	1,132	15,980	33,818	18,706	147	842	3,290	10,224	17,543
100,000 " 199,999	134	1,944	4,328	6,226	1,202	16,640	35,125	17,294	58	381	3,369	11,427	17,913
200,000 " 499,999	79	2,087	4,644	7,487	1,579	23,218	48,869	24,074	1	3	3,822	14,811	25,491
500,000 " 999,999	44	2,539	5,514	9,620	1,527	32,264	65,467	31,760	-	-	4,325	18,145	33,019
1,000,000 " 4,999,999	34	5,234	11,328	21,082	2,967	63,750	135,612	68,901	-	-	8,202	40,669	71,777
5,000,000 and over	3	1,298	3,037	4,846	881	17,980	37,864	19,043	-	-	2,244	9,872	19,107
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000				'000			'000		'000			
1963													
Under 5 employed	1,394	758	1,602	2,230	796	15,312	31,863	15,755	1,454	4,748	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	68,698	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	27,406
200-499 "	19	3,311	7,378	13,141	1,736	39,426	80,603	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
1964													
Under 5 employed	1,351	670	1,457	2,145	1,171	15,342	32,150	15,637	1,375	4,374	1,985	5,315	16,305
5 - 14 employed	824	2,760	6,023	8,584	2,048	28,449	60,612	30,112	765	3,385	5,495	16,469	31,493
15 - 49 "	262	3,798	8,433	12,755	2,479	36,332	76,349	37,602	91	568	6,634	23,433	39,418
50 - 99 "	53	2,125	4,658	7,633	1,346	23,300	50,436	25,803	-	-	3,713	14,962	27,300
100-199 "	34	2,585	5,566	9,543	1,691	32,836	66,036	31,529	-	-	4,543	18,455	32,104
200-499 "	18	3,099	6,784	13,185	1,779	39,924	84,308	42,610	-	-	5,820	25,734	44,882
500 employed and over	6	2,349	5,277	8,576	1,296	27,483	57,773	29,038	-	-	3,911	16,559	29,292
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	386	2,567	(46)
Totals	2,548	17,386	38,188	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

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		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1963													
Individual ownerships	1,671	2,291	4,936	6,729	1,808	29,124	60,775	29,845	1,660	6,313	4,908	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
Co-operatives	9	52	120	159	25	367	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	394,466	196,053	2,290	8,549	31,562	115,332	203,571
1964													
Individual ownerships	1,602	2,221	4,880	6,702	2,218	29,288	61,363	29,858	1,598	6,234	4,901	13,608	31,213
Partnerships	313	774	1,708	2,415	724	9,619	20,427	10,085	633	2,293	1,492	4,463	10,488
Incorporated companies	625	14,349	31,511	53,142	8,841	164,348	344,982	171,934	...	...	25,425	102,548	178,615
Co-operatives	8	42	99	143	27	411	892	455	...	...	83	308	477
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	386	2,567	(46)
Totals	2,548	17,366	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,484	220,748

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
Output						
1. Shipments and other revenue	394,466	427,664	38,105	41,247	432,591	468,911
Inventories—Goods of own manufacture:						
Add closing—Goods in process	79	84	...	...	79	84
Finished goods	872	1,063	...	...	872	1,063
Deduct opening—Goods in process	71	82	...	...	71	82
Finished goods	562	922	...	...	562	922
2. Net inventory change	318	143	...	...	318	143
3. Gross output (1 + 2)	394,804	427,807	38,105	41,247	432,909	469,054
Input						
4. Purchases of goods not of own manufacture .....	...	...	29,203	31,490	29,203	31,490
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	293	364	293	364
Deduct closing .....	...	...	277	359	277	359
5. Cost of goods sold (not of own manufacture) .....	...	...	29,219	31,495	29,219	31,495
6. Materials, supplies, etc.	188,123	203,666	1,366	1,337	189,489	205,003
7. Fuel and electricity	10,629	11,810	...	...	10,629	11,810
8. Gross input (5 + 6 + 7)	198,752	215,476	30,585	32,832	229,337	248,308
Value added (3 - 8)	196,053	212,331	7,518	8,415	203,571	220,748

TABLE 8. Employment and Payroll, 1963 and 1964

Year and province	Employees										Salaries and wages				
	Production and related workers				Admini- trative and office		Sales and distribution		Total		Production and related workers		Admini- strative and office	Sales and distrib- ution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1963															
Newfoundland	117	56	-	8	9	10	55	8	181	82	515	9	85	218	825
Prince Edward Island	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Nova Scotia	371	115	-	-	39	30	336	88	748	233	1,288	-	320	1,423	3,031
New Brunswick	398	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	18,114	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	-	398	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	-	1,064	4,763	11,751
Yukon and Northwest Terri- tories	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
1964															
Newfoundland	113	45	-	4	18	10	56	16	165	75	505	9	121	268	903
Prince Edward Island	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Nova Scotia	376	123	-	-	40	34	349	83	765	240	1,367	-	343	1,396	3,107
New Brunswick	413	142	-	-	53	41	292	66	758	249	1,377	-	431	1,230	3,037
Quebec	4,422	1,396	79	-	508	263	3,368	432	8,377	2,091	16,320	324	3,997	13,409	36,050
Ontario	5,326	1,498	3	7	715	445	3,382	1,231	9,426	3,181	25,512	35	6,738	18,598	50,883
Manitoba	586	202	-	-	65	63	406	194	1,057	459	3,329	-	622	2,435	6,367
Saskatchewan	355	128	-	3	52	38	235	155	642	324	1,933	8	414	1,482	3,835
Alberta	655	233	-	-	78	69	405	245	1,139	547	3,493	-	688	2,483	6,665
British Columbia	1,016	328	-	-	98	118	612	532	1,726	978	6,500	-	1,131	4,879	12,510
Yukon and Northwest Terri- tories	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Totals	13,280	4,106	82	14	1,627	1,082	9,115	2,961	24,104	8,163	62,402	375	14,498	46,219	123,494

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	10,220	3,167	10,398	3,333
February	10,210	3,157	10,414	3,380
March	10,274	3,249	10,600	3,471
April	10,273	3,284	10,643	3,499
May	10,552	3,444	10,871	3,598
June	10,967	3,563	11,241	3,771
July	11,028	3,553	11,438	3,763
August	11,109	3,537	11,428	3,768
September	10,738	3,525	11,141	3,810
October	10,660	3,446	11,064	3,820
November	10,449	3,408	10,991	3,816
December	10,413	3,296	10,973	3,607
Averages	10,574	3,398	10,946	3,635
Establishments reporting annual averages (small establishments only)	2,447	522	2,334	471
Average for all establishments	13,021	3,918	13,280	4,106

TABLE 10. Inventories, 1964

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	189	1	10	200	2	203
Prince Edward Island	x	-	-	x	-	x
Nova Scotia	580	7	20	607	2	609
New Brunswick	466	3	38	507	33	541
Quebec	4,956	40	380	5,376	111	5,487
Ontario	4,802	28	466	5,298	145	5,441
Manitoba	606	-	2	607	2	609
Saskatchewan	383	-	1	384	1	385
Alberta	675	-	4	679	15	694
British Columbia	1,167	2	27	1,197	51	1,248
Yukon and Northwest Territories	x	-	-	x	-	x
Totals	13,841	82	947	14,870	364	15,234
Closing:						
Newfoundland	245	2	8	254	2	255
Prince Edward Island	x	-	-	x	-	x
Nova Scotia	549	1	21	570	1	572
New Brunswick	521	-	32	554	31	585
Quebec	5,001	41	414	5,455	110	5,565
Ontario	4,593	38	597	5,228	159	5,387
Manitoba	584	-	3	587	5	592
Saskatchewan	385	-	1	386	1	387
Alberta	670	1	5	676	15	691
British Columbia	1,230	2	29	1,261	35	1,296
Yukon and Northwest Territories	x	-	-	x	-	x
Totals	13,787	84	1,109	14,991	359	15,350

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
1. Large establishments reporting commodity detail:					
Bituminous coal:					
(a) From Canadian mines	ton	3,243	51	2,875	45
(b) Imported	"	589	8	808	12
Sub-bituminous coal (from Alberta mines only)	"	-	-	-	-
Anthracite coal	"	273	6	237	6
Lignite coal	"	63	1	-	-
Coke	"	181	5	278	7
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	11,767,633	3,926	12,378,360	4,324
Fuel oil including kerosene or coal oil	"	10,321,623	1,433	10,231,111	1,484
Wood	cord	422	6	367	5
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	138,378	35	197,231	52
(b) Other manufactured gas	M cu. ft.	62,647	33	17,826	9
(c) Natural gas	"	1,737,137	1,163	1,913,539	1,307
Other fuel .....	...	...	-	...	9
Electricity purchased	kwh.	108,106,204	1,533	115,666,263	1,668
Steam purchased .....	...	...	117	...	113
2. Small establishments not reporting commodity detail:					
Estimate for fuel and electricity .....	...	...	2,314	...	2,770
3. All establishments:					
Total fuel and electricity used .....	...	...	10,629	...	11,810

¹ The difference between figures in Table 10 and those in Table 7 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 7. See also "Concepts and Definitions" for explanation of other variances.

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TABLE 12. Materials and Supplies - Manufacturing Activity, 1963 and 1964

Description	1963		1964		
	Quantity	Cost \$'000	Quantity	Cost \$'000	
1. Materials used:					
Baking powder	lb.	1,153,112	169	1,214,897	174
Butter	"	1,359,171	748	1,669,565	917
Chocolate	"	1,470,031	564	2,747,784	996
Cocoa	"	1,243,590	336	1,442,108	360
Cocconut, shredded	"	1,397,560	341	1,902,965	481
Corn starch	"	1,106,665	127	1,319,590	155
Cream	gal.	109,911	334	105,508	308
Cream powder	lb.	68,352	34	64,899	31
Cream of tartar and substitutes	"	43,567	16	60,397	21
Eggs, in shell	doz.	1,947,704	714	1,617,232	633
Eggs, frozen	lb.	12,860,655	3,871	14,590,443	4,142
Eggs, liquid, not frozen	"	738,693	213	1,168,923	314
Egg powder (dried yolk and albumen)	"	143,153	153	104,449	131
Egg substitutes	"	33,516	21	52,435	27
Extracts, essences, etc.	"	...	314	...	425
Flour:					
Hard wheat (bread flour)	cwt.	10,391,004	52,779	10,821,703	56,239
Soft wheat (cake flour)	"	605,720	3,288	683,719	3,701
Soya	lb.	206,601	26	223,116	30
Cake mixtures, prepared	"	3,865,512	617	4,374,302	765
Doughnut and pastry mixtures	"	29,665,035	4,211	34,177,416	4,915
Other flours, (rye, rolled oats, corn meal, whole wheat, etc.)	"	48,725,629	2,732	52,297,010	3,179
Fruits:					
Raisins, currants and other dried fruits	"	14,132,972	2,829	15,615,503	3,215
Fresh fruits, all kinds	"	...	264	...	274
Jam, jellies and marmalades	lb.	7,638,944	1,392	9,198,851	1,501
Preserved and canned, other	"	5,799,151	1,228	10,425,352	1,391
Frozen fruits	"	5,953,164	1,246	6,457,635	1,367
Filling for pies:					
Apple	"	4,454,455	604	4,908,587	692
Other	"	1,659,993	326	2,265,444	445
Gelatine	"	75,031	38	75,736	43
Glucose	"	5,595,155	503	7,638,355	661
Honey	"	1,103,484	188	889,302	158
Lard	"	26,859,723	3,761	28,414,400	4,195
Lecithin	"	87,100	22	65,948	18
Malt flour	"	747,744	95	1,432,650	210
Malt extracts and syrups	"	1,608,310	226	1,389,228	224
Margarine	"	1,164,891	255	1,318,103	293
Meat for pies	"	1,207,164	556	1,398,860	568
Milk, condensed and evaporated	"	1,634,034	178	1,023,773	135
Milk, fresh including skim	gal.	474,898	178	253,953	150
Milk, powdered	lb.	24,803,346	2,748	26,282,182	3,451
Molasses	"	1,725,540	142	1,995,716	196
Monoglyceride emulsifier	"	812,398	291	1,082,074	359
Nuts (walnuts, almonds, pecans, etc.)	"	1,303,053	845	1,470,564	979
Peanuts	"	158,547	48	139,074	41
Potatoes	"	375,232	15	339,063	11
Potato starch and flour	"	282,111	39	345,328	46
Oils:					
Corn	"	415,363	94	438,129	93
Cottonseed	"	727,146	150	668,425	145
Other cooking	"	2,987,578	627	3,349,355	668
Peanut butter	"	99,489	24	90,023	24
Salt	"	24,804,653	417	25,973,176	400
Shortening	"	32,052,954	6,433	36,703,712	7,562
Sodium bicarbonate (baking soda)	"	967,960	111	973,806	109
Sugar:					
Cane and beet	"	101,584,108	12,774	111,840,655	12,634
Corn and dextrose	"	2,227,166	278	3,465,768	369
Spices	"	346,673	237	343,045	230
Syrups:					
Corn	"	686,425	79	754,017	87
Other	"	830,209	213	823,542	220
Yeast	"	23,698,761	4,207	24,686,333	4,414
Yeast powders and other bread improvers	"	9,734,819	1,517	10,870,680	1,623
All other materials and components used ¹	"	...	40,510	...	42,109
2. Containers and other packaging materials and supplies used:					
Waxed paper wrappers	"	...	6,420	...	6,170
Bread cartons and cake boxes	"	...	8,371	...	9,596
Celulose film and other containers	"	...	10,753	...	12,568
3. Operating, maintenance and repair supplies used (excluding fuel)					
4. Amount paid out to others for work done on materials owned by establishments					
Totals .....		...	188,123	...	203,666

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$36,616,414 in 1963 and \$37,523,011 in 1964.

TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Bread	1,647,504,073	227,613	1,727,542,319	242,387
Plain rolls and buns .....	...	27,451	...	29,595
Fruit buns, yeast raised sweet goods, etc. ....	...	16,513	...	17,942
Pies, cakes, cookies, pastries, etc. ....	...	93,891	...	106,206
Doughnuts .....	...	17,151	...	17,756
Meat pies .....	...	2,673	...	2,992
Puddings, including canned	346,683	226	226,336	127
Catering .....	...	1,438	...	1,013
All other products .....	...	7,653	...	9,683
2. Amount received in payment for work done on materials and products owned by others .....	...	170	...	192
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(293)	...	(231)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	394,486	...	427,664

TABLE 13 A. Shipments of Goods of Own Manufacture, Canada and the Provinces, 1964

Items of production	Canada		Newfoundland		Prince Edward Island and N.W.T.	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	1,727,542,319	242,387	17,886,829	2,633	2,229,436	365
Plain rolls and buns	29,595	...	228	...	41
Yeast-raised sweet goods	17,942	...	1	...	1
Pies, cakes, pastries	106,206	...	805	...	111
Doughnuts	17,756	...	1	...	1
All other products and services	14,007	...	129	...	33
Totals	427,895	...	3,794	...	551
	Nova Scotia		New Brunswick		Quebec	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	56,588,346	8,792	69,965,610	10,432	540,419,735	73,331
Plain rolls and buns	633	...	370	...	7,623
Yeast-raised sweet goods	340	...	209	...	3,613
Pies, cakes, pastries	1,980	...	2,362	...	43,739
Doughnuts	994	...	306	...	4,550
All other products and services	44	...	30	...	4,499
Totals	12,784	...	13,710	...	137,356
	Ontario		Manitoba		Saskatchewan	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	675,279,424	87,985	75,315,674	12,312	54,881,980	8,888
Plain rolls and buns	14,910	...	1,442	...	841
Yeast-raised sweet goods	9,626	...	1,143	...	559
Pies, cakes, pastries	38,482	...	3,826	...	1,762
Doughnuts	8,299	...	485	...	539
All other products and services	7,921	...	171	...	98
Totals	167,222	...	19,379	...	12,688
	Alberta		British Columbia			
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	106,569,818	15,507	128,405,467	22,141	...	...
Plain rolls and buns	1,640	...	1,867	...	...
Yeast-raised sweet goods	741	...	1,629	...	...
Pies, cakes, pastries	3,931	...	9,207	...	...
Doughnuts	1,175	...	1,331	...	...
All other products and services	293	...	948
Totals	23,287	...	37,124

¹ Included in "All other products and services".

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6/27/64
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TABLE 13B. Selected Commodity Items Made in Bakeries, 1946-64

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	121,188	6,128	10,612	57,627	4,678
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	62,171	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	1,646,996,059	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	34,525	15,898	94,090	15,293
1963	1,647,504,073	227,613	27,451	16,513	93,891	17,151
1964	1,727,542,319	242,387	29,595	17,942	106,206	17,756

TABLE 13C. Average Selling Price per Pound of Bread in Canada and the Provinces, for Representative Years, 1929-64

Year	Canada	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	cents										
1929	6.4	-	6.9	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	4.6	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	6.4	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	6.8
1943	5.5	-	5.6	6.2	6.0	4.9	5.6	5.5	5.2	5.8	7.0
1944	5.6	-	5.4	6.5	6.0	5.0	5.7	5.2	5.3	5.9	7.0
1945	5.7	-	5.7	6.6	6.4	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	6.1	-	7.7	8.6	8.4	7.5	8.1	7.6	8.0	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	12.6	12.3	12.4	10.9	11.1	12.3	11.6	11.6	13.0
1955	11.4	11.5	12.6	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	11.6	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	13.8	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
1964	14.0	14.7	15.8	15.5	14.9	13.6	13.0	16.3	16.2	14.6	17.2

TABLE 13 D. Distribution of Sales, 1964

Province	Estab- lish- ments reporting	Total sales ¹	Wholesale including sale to restaurants, institutions, etc.	Retail	
				House to house	Through Bakery-owned stores
	No.			\$'000	
Newfoundland	19	4,070	3,819	18	233
Prince Edward Island and Northwest Territories	8	551	470	5	76
Nova Scotia	74	13,416	11,441	225	1,750
New Brunswick	56	13,998	12,258	691	1,048
Quebec	801	138,482	76,443	41,281	20,757
Ontario	794	169,110	109,597	25,006	34,507
Manitoba	153	21,070	14,165	2,972	3,934
Saskatchewan	114	13,735	9,022	1,408	3,306
Alberta	191	25,348	16,596	3,006	5,746
British Columbia	338	42,215	27,192	5,059	9,964
Canada	2,548	441,995	281,003	79,670	81,321
Percentage of sales					
Newfoundland		100.0	93.8	0.5	5.7
Prince Edward Island and Northwest Territories		100.0	85.3	0.9	13.8
Nova Scotia		100.0	85.3	1.7	13.0
New Brunswick		100.0	87.6	4.9	7.5
Quebec		100.0	55.2	29.8	15.0
Ontario		100.0	64.8	14.8	20.4
Manitoba		100.0	67.2	14.1	18.7
Saskatchewan		100.0	65.7	10.2	24.1
Alberta		100.0	65.5	11.8	22.7
British Columbia		100.0	64.4	12.0	23.6
Canada		100.0	63.6	18.0	18.4

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

TABLE 14. Quantity and Value of Bread Shipped - All Industries and Per Capita Consumption in Pounds, 1929-64
(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	909,287,675	47,659	82.4
1937	963,273,659	55,253	86.6
1938	1,010,072,852	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	89.9
1963 ¹	1,659,698,574	229,881	87.8
1964	1,740,880,055	244,982	90.5

¹ Includes bread produced by merchandising establishments.

TABLE 15. Motor and Horse-drawn Delivery Vehicles, for Specific Years, 1960 - 64

	Motor delivery vehicles ¹					Horse-drawn delivery vehicles ¹				
	1960	1961	1962	1963	1964	1960	1961	1962	1963	1964
	number									
Normally in use	7,899	7,579	7,353	6,402	6,775	43	20	7	11	-
Normally idle	752	790	753	695	772	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 56 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 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 activities

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. For those establishments reporting on the "long" form, 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. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. 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.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. 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 are 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

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 manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture 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 pur-

chased for re-sale) and the cost of non-manufacturing 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 output or 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".

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