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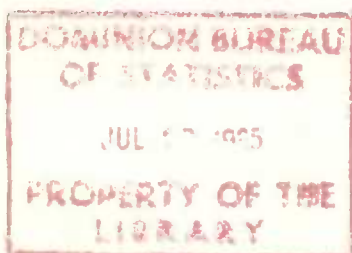
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ANNUAL



FISH PRODUCTS INDUSTRY

1962



ANNUAL CENSUS OF MANUFACTURES

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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.

FISH PRODUCTS INDUSTRY

1962

The Fish Products Industry comprises establishments whose principal activity is the canning, salting, pickling, freezing and drying of fish and shellfish as well as the production of fish meal and oil, seal oil, whale oil and meal and seaweed products. Establishments mainly engaged in selling fish and shellfish products in the same form as they were received are classified to Trade.

The Census of the Fish Products Industry was extended to cover all provinces in 1962. Because of the limited number of firms engaged in processing fish in the provinces of Saskatchewan and Alberta it has been necessary to combine the three Prairie Provinces into one total in Table 1 A, 3 and 7.

All plants, regardless of size, are included in the Census but those that have a total value of shipments of \$50,000 or more are asked to provide more information than the smaller establishments. The census is carried out by mail and as is inevitable in such surveys, in spite of intensive follow-up procedures, there are always a number of firms that fail to submit reports. In 1962 there were 2 such firms. Generally, however, such non-response is limited to the smaller establishments. Estimates for non-response are included in the data contained in this publication based on the reports submitted by the same firms a year ago. No product detailed is required on the Fish Products Industry questionnaire and none is, therefore, included here. This information is collected in other annual and monthly surveys and is published in "Fisheries Statistics of Canada", Catalogue Nos. 24-201 to 24-206 and 24-208 to 24-212; "Fish Freezings and Stocks", Catalogue No. 24-001 and the "Monthly Review of Canadian Fisheries Statistics", Catalogue No. 24-002.

The introduction of the Revised Standard Industrial Classification and the New Establishment Concept has resulted in certain changes from past years. For a full explanation, refer to the Explanatory Notes at the back of this publication. It should be noted that, in this industry, the value of materials and supplies represents purchases not used. The total manufacturing inventory is, therefore, required to derive "Value added".

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

Year	Estab- lish- ments	Employees						Cost of fuel and elec- tricity ⁴	Cost of materials and supplies ⁴	Value of sbipments of goods of own manu- facture ⁴	Value added ⁴
		Production and related workers ⁴		Administrative and office employees ³		Total ⁴					
		Number	Wages	Number	Salaries	Number	Salaries and wages				
	No.	—	\$'000		\$'000			\$'000			
1957	410	11,486	21,731	1,581	5,689	13,067	27,420	2,931	89,742	137,346	..
1958	426	11,687	22,558	1,547	5,685	13,234	28,243	2,869	114,851	169,005	56,325
1959	400	11,295	21,788	1,638	5,945	12,933	27,733	2,941	95,381	147,694	49,474
1960	387	11,686	22,954	1,713	6,875	13,399	29,830	2,702	94,607	155,361	48,032
1961	340	11,926	23,783	1,616	6,650	13,542	30,434	2,951	110,692	169,825	59,475

See footnotes following Table 3 A.

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

Year and province	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Newfoundland	31	2,657	4,856	4,296	615	11,892	21,090	8,420	—	—	2,938	5,271	8,789
Prince Edward Island	18	319	646	420	50	2,328	3,122	750	10	32	351	497	791
Nova Scotia	122	3,457	6,860	7,356	844	29,769	46,866	15,139	52	100	3,912	9,164	15,757
New Brunswick	67	2,116	4,150	3,439	387	13,306	20,926	6,189	40	76	2,364	4,115	6,655
Quebec	56	871	1,789	1,299	116	3,917	6,180	2,142	10	16	941	1,488	2,472
Ontario .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Manitoba .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Saskatchewan .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Alberta .....	..	..	..	..	..	..	..	..	..	..	..	..	..
British Columbia	45	2,058	3,251	7,001	931	48,944	72,870	28,707	4	11	3,630	12,240	29,440
Totals	339	11,478	21,551	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Newfoundland	36	2,620	5,335	4,603	647	14,730	24,478	9,781	4	8	3,020	6,083	10,368
Prince Edward Island	17	349	691	469	50	2,411	3,629	1,128	9	23	383	571	1,166
Nova Scotia	124	3,529	7,169	7,850	855	35,179	51,532	15,824	40	96	4,048	9,873	17,110
New Brunswick	65	2,121	4,668	4,098	440	15,787	21,142	6,320	34	74	2,326	4,741	6,763
Quebec	46	900	1,944	1,475	134	5,106	7,879	2,638	10	16	985	1,705	2,936
Ontario	11	399	790	960	115	4,393	6,290	1,860	4	11	446	1,220	1,855
Manitoba	8												
Saskatchewan	1	274	603	618	49	4,283	5,789	1,641	—	—	375	1,032	1,839
Alberta	2												
British Columbia	47	2,103	3,927	8,417	1,335	62,715	86,792	35,818	3	11	3,693	14,677	37,995
Totals	357	12,295	25,129	28,490	3,626	144,604	207,531	75,009	104	238	15,276	39,903	80,032

See Table 2 and footnotes following Table 3 A.

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	With- drawals	
	No.		'000			'000				'000		'000	
1961													
Under \$10,000	44	32	70	59	10	124	238	96	33	30	36	67	110
\$ 10,000 to \$ 24,999	46	114	207	178	18	421	780	336	30	48	142	240	344
25,000 " 49,999	36	189	345	296	52	785	1,344	506	16	37	216	356	553
50,000 " 99,999	41	380	651	495	104	1,834	2,899	878	17	50	432	622	1,069
100,000 " 199,999	40	603	1,070	853	177	4,131	5,891	1,638	15	35	675	1,031	1,737
200,000 " 499,999	51	1,701	3,055	2,564	302	11,475	17,066	4,716	5	34	1,939	3,253	5,464
500,000 " 999,999	40	2,403	4,360	4,051	512	19,190	28,781	9,390	—	—	2,625	4,912	9,495
1,000,000 " 4,999,999	35	4,916	9,645	11,194	1,257	44,155	74,072	30,000	—	—	5,942	14,268	30,887
5,000,000 and over	6	1,140	2,148	4,121	511	28,040	39,983	13,789	—	—	1,631	5,858	14,727
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	498	2,169	(482)
Totals	339	11,478	21,531	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Under \$10,000	39	31	72	57	6	124	217	88	30	47	32	58	96
\$ 10,000 to \$ 24,999	34	87	179	150	21	341	588	232	22	46	115	227	441
25,000 " 49,999	39	185	374	297	56	799	1,433	589	17	44	220	385	623
50,000 " 99,999	43	340	718	588	110	1,958	3,120	1,044	20	55	373	664	1,140
100,000 " 199,999	52	568	1,175	1,105	184	5,029	7,680	2,441	12	33	675	1,400	2,635
200,000 " 499,999	55	1,507	2,990	2,756	358	13,283	18,421	5,177	3	13	1,728	3,521	5,895
500,000 " 999,999	36	2,028	4,076	3,504	489	17,910	25,372	7,905	—	—	2,294	4,471	8,372
1,000,000 " 4,999,999	54	6,434	13,407	15,977	1,773	75,241	110,720	40,984	—	—	7,926	21,782	44,037
5,000,000 and over	5	1,115	2,138	4,057	629	29,919	39,981	16,548	—	—	1,680	6,103	16,956
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	233	1,292	(163)
Totals	357	12,295	25,129	28,490	3,628	144,604	207,531	75,009	104	238	15,276	39,903	80,032

See footnotes following Table 3 A.

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ⁵	Cost of materials and supplies ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁸
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1961													
Under \$10,000	96	162	312	259	42	1,522	2,044	402	68	99	190	317	449
\$ 10,000 to \$ 24,999	63	482	833	658	100	2,705	4,008	969	31	72	563	872	1,364
25,000 " 49,999	46	661	1,155	934	128	4,709	6,411	1,575	12	30	746	1,161	1,777
50,000 " 99,999	37	936	1,632	1,303	219	7,070	10,079	2,609	5	34	1,043	1,652	2,779
100,000 " 199,999	32	1,383	2,585	2,370	348	10,649	15,917	4,784	—	—	1,565	2,918	5,174
200,000 " 499,999	31	2,396	4,469	4,336	488	20,881	31,141	9,540	—	—	2,587	5,062	9,539
500,000 " 999,999	19	2,463	4,850	5,178	612	22,887	36,635	12,968	—	—	3,018	7,095	14,175
1,000,000 " 4,999,999	15	2,995	5,714	8,775	1,005	39,731	64,818	28,501	—	—	3,926	11,529	29,129
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	498	2,169	(482)
Totals	339	11,478	21,531	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Under \$10,000	77	150	316	255	39	824	1,167	293	54	99	181	335	569
\$ 10,000 to \$ 24,999	64	379	787	677	105	4,049	5,255	1,011	33	89	453	915	1,239
25,000 " 49,999	61	759	1,517	1,310	192	6,548	8,863	2,147	10	24	877	1,616	2,543
50,000 " 99,999	42	905	1,642	1,549	218	7,830	10,919	3,014	—	—	1,023	1,895	3,210
100,000 " 199,999	33	1,043	2,122	2,118	296	13,117	17,831	4,869	7	27	1,231	2,898	5,249
200,000 " 499,999	41	2,603	5,356	5,423	749	28,957	39,906	12,298	—	—	3,092	7,755	14,745
500,000 " 999,999	22	3,393	6,885	7,291	799	26,835	41,404	15,695	—	—	3,823	8,966	16,050
1,000,000 " 4,999,999	17	3,063	6,304	9,869	1,228	56,444	82,166	35,683	—	—	4,363	14,230	36,590
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	233	1,292	(163)
Totals	357	12,295	25,129	28,490	3,626	144,604	207,531	75,009	104	238	15,276	39,903	80,032

See footnotes following Table 3 A.

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ³	Cost of materials and supplies ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Working owners and partners ⁶		Total employees ⁷		Total value added ⁴
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under \$10,000	92	141	271	226	40	1,429	1,915	372	67	95	165	278	390
\$ 10,000 to \$ 24,999	60	400	694	545	84	2,284	3,282	905	31	73	460	677	984
25,000 "	49	631	1,123	867	145	4,456	6,236	1,613	13	33	713	1,090	1,668
50,000 "	34	859	1,507	1,170	193	6,302	8,804	2,294	5	34	949	1,432	2,431
100,000 "	38	1,520	2,774	2,728	365	12,618	18,361	4,985			1,738	3,424	5,691
200,000 "	32	2,469	4,619	4,324	500	20,446	31,002	9,709			2,669	5,081	9,918
500,000 "	18	2,392	4,703	4,854	572	16,391	29,353	12,223			2,766	6,099	12,529
1,000,000 "	16	3,066	5,861	9,098	1,045	46,228	72,100	29,246			4,178	12,525	30,774
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	498	2,169	(482)
Totals	339	11,478	21,551	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Under \$10,000	69	110	227	183	31	624	918	257	50	91	125	212	281
\$ 10,000 to \$ 24,999	69	420	857	746	97	4,280	5,398	1,005	38	99	478	897	1,129
25,000 "	54	585	1,197	1,001	162	4,943	6,925	1,891	9	21	682	1,256	1,992
50,000 "	48	966	1,967	1,641	228	8,408	11,759	3,211	7	27	1,104	2,036	3,466
100,000 "	34	1,105	2,230	2,206	326	13,006	17,546	4,639			1,299	3,008	5,272
200,000 "	43	2,666	5,541	5,469	756	29,211	40,577	12,496			2,975	6,730	13,437
500,000 "	21	3,270	6,608	6,953	748	25,429	38,871	14,600			3,642	8,527	15,073
1,000,000 "	19	3,173	6,502	10,292	1,277	58,705	85,537	36,912			4,738	15,945	39,545
5,000,000 and over								—	—	—	—	—	
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	233	1,292	(163)
Totals	357	12,295	25,129	28,490	3,626	144,604	207,531	75,009	104	236	15,276	39,903	80,032

See footnotes following Table 3A.

TABLE 1E. Principal Statistics classified by Size Groups based on Total Employed,¹¹ 1961 and 1962
Basis: Revised Standard Industrial Classification and New Establishment Concept²

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and elec- tricity ³	Cost of materials and supplies ⁴	Value of shipments of goods of own manu- facture ⁴	Value added ⁴	Workers owners and partners ⁶		Total employees ⁷		Total value added ⁴
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Under 5 employees	99	115	241	228	65	1,870	2,564	607	70	96	144	310	648
5- 14 employees	82	595	1,143	976	202	4,902	7,103	1,948	33	100	695	1,210	2,075
15- 49 "	84	2,067	3,648	3,395	477	20,003	28,948	7,955	13	38	2,339	4,342	8,461
50- 99 "	31	1,851	3,658	3,730	376	17,965	27,104	11,019	—	—	2,103	4,611	11,563
100-199 "	28	3,195	5,761	6,374	837	28,694	48,364	20,763	—	—	3,839	8,184	21,275
200-499 "	15	3,655	7,100	9,108	986	36,720	56,970	19,056	—	—	4,518	11,949	20,363
500 employees and over													
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	498	2,169	(482)
Totals	339	11,478	21,551	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Under 5 employees	86	92	200	178	43	3,457	4,479	1,102	57	115	119	244	1,124
5- 14 employees	104	708	1,483	1,479	295	7,643	10,983	3,320	42	103	845	1,964	3,714
15- 49 "	94	2,302	4,587	4,657	674	30,362	40,567	11,054	5	20	2,707	6,143	11,819
50- 99 "	32	2,008	4,162	4,558	515	22,695	31,651	11,908	—	—	2,297	5,739	12,967
100-199 "	21	2,554	5,218	5,683	649	29,163	44,771	18,470	—	—	3,070	7,302	19,060
200-499 "	20	4,631	9,479	11,935	1,451	51,286	75,081	29,154	—	—	6,005	17,218	31,713
500 employees and over													
Head offices, sales offices and auxiliary units ¹⁰	...	...	...	...	...	...	...	...	...	...	233	1,292	(163)
Totals	357	12,295	25,129	28,490	3,626	144,604	207,531	75,009	104	236	15,276	39,903	80,032

See footnotes following Table 3A.

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers ⁴			Cost of fuel and electricity ⁵	Cost of materials and supplies ⁴	Value of shipments of goods of own manufacture ⁴	Value added ⁶	Working owners and partners ⁴		Total employees ⁷		Total value added ⁸
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Individual ownerships	91	560	1,085	811	115	5,117	6,601	1,305	69	141	586	873	1,440
Partnerships	27	116	197	164	27	982	1,466	354	47	93	125	184	363
Incorporated companies	183	9,911	18,521	21,133	2,642	94,506	149,853	55,715	...	...	11,784	27,203	58,455
Cooperatives	38	891	1,747	1,704	158	9,548	13,134	3,975	—	—	1,143	2,346	4,128
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	498	2,169	(482)
Totals	339	11,478	21,551	23,811	2,942	110,154	171,053	61,348	116	235	14,136	32,775	63,904
1962													
Individual ownerships	92	511	1,094	904	138	5,263	7,097	1,735	71	163	550	984	1,892
Partnerships	21	141	271	426	37	1,721	2,456	1,060	33	76	173	561	1,071
Incorporated companies	210	10,726	21,819	25,177	3,203	126,493	182,045	67,464	...	...	13,239	34,456	72,109
Cooperatives	34	917	1,946	1,982	247	11,127	15,934	4,750	—	—	1,081	2,610	5,124
Head offices, sales offices and auxiliary units ¹⁰ .....	...	...	...	...	...	...	...	...	...	...	233	1,292	(163)
Totals	357	12,295	25,129	28,490	3,626	144,604	207,531	75,009	104	238	15,276	39,903	80,032

See footnotes following Table 3 A.

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

Item	1961	1962
\$'000		
Manufacturing activity:		
Value of shipments—Goods of own manufacture	171,053	207,531
Add: Closing inventory—Goods in process .....	..	..
Finished goods	37,861	52,927
Deduct: Opening inventory—Goods in process .....	..	..
Finished goods	34,470	37,220
Gross output—Manufacturing activity	174,444	223,239
Deduct: Cost of materials and supplies used in manufacturing activity	110,154	144,604
Cost of fuel and electricity used	2,942	3,628
Value added—Manufacturing activity	61,348	75,009
Non-manufacturing activities:		
Value of shipments—Goods not of own manufacture .....	..	30,491
Add: All other revenue .....	..	1,725
Closing inventory—Goods purchased for resale	2,414	5,015
Deduct: Purchases of goods for resale as such .....	..	26,130
Opening inventory—Goods not of own manufacture	1,799	4,243
Cost of all other materials and supplies used .....	..	1,836
Value added—Non-manufacturing activities	2,556	5,023
Total value added	63,904	80,032

See footnotes following Table 3 A.

TABLE 3. Employment and Payroll, 1961 and 1962

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office ^{6,9}		Sales, and distribution ⁹		Total employees ^{7,9}		Production and related workers		Admin- istrative and office	Sales, and distri- bution	Total salaries and wages
	Manufacturing ⁴		Other ⁹		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1961															
Newfoundland	2,206	451	..	..	..	..	..	..	2,448	490	4,296	..	..	..	5,271
Prince Edward Island	157	162	..	..	..	..	..	..	182	169	420	..	..	..	497
Nova Scotia	2,543	914	..	..	..	..	..	..	2,900	1,012	7,356	..	..	..	9,164
New Brunswick	1,049	1,067	..	..	..	..	..	..	1,248	1,116	3,439	..	..	..	4,115
Quebec	599	272	..	..	..	..	..	..	663	278	1,299	..	..	..	1,488
British Columbia	1,255	803	..	..	..	..	..	..	2,630	1,000	7,001	..	..	..	12,240
Totals	7,809	3,669	..	..	..	..	..	..	10,071	4,065	23,811	..	..	..	32,775
1962															
Newfoundland	2,169	451	51	—	261	58	24	6	2,505	515	4,603	117	1,308	55	6,083
Prince Edward Island	157	192	3	1	21	8	1	—	182	201	469	3	98	2	571
Nova Scotia	2,602	927	32	—	293	111	77	6	3,004	1,044	7,850	45	1,690	288	9,873
New Brunswick	1,081	1,040	61	—	88	48	7	1	1,237	1,089	4,098	154	477	12	4,741
Quebec	607	293	4	—	60	11	10	—	681	304	1,475	14	204	13	1,705
Ontario	183	216	—	—	16	12	19	—	218	228	960	—	160	100	1,220
Manitoba	208	66	17	—	43	9	32	—	300	75	618	52	231	131	1,032
Saskatchewan															
Alberta															
British Columbia	1,250	853	15	5	473	145	894	58	2,632	1,061	8,417	40	3,471	2,749	14,677
Totals	8,257	4,038	183	6	1,255	402	1,064	71	10,759	4,517	28,490	425	7,639	3,349	39,903

See footnotes following Table 3 A.

TABLE 3A. Production and Related Workers,⁴ — Manufacturing Activity, by Months, 1962

Basis: Revised Standard Industrial Classification and New Establishment Concept²

Month	Establishments reporting monthly detail	
	Male	Female
	number	
January	5,413	1,781
February	5,175	1,732
March	5,441	2,027
April	6,451	2,261
May	9,227	5,008
June	11,287	6,229
July	11,909	6,693
August	11,285	6,973
September	9,844	5,470
October	8,580	4,334
November	7,174	3,310
December	5,832	2,146
Average for establishments reporting monthly detail (collected only for large establishments)	8,137	3,999
Average for small establishments (only annual averages collected)	120	39
Monthly averages	8,257	4,038

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

² See Explanatory Notes.

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

⁴ Conceptually identical to previous years. See Explanatory Notes.

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

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

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

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

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

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

¹¹ Includes paid employees and working owners but excludes unpaid family workers.

Note: Figures may not add due to rounding.

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

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

Description	Quantity	Cost
		\$'000
1. Materials used:		
Fresh fish and shellfish	cwt. 15,814,078	101,880
Semi-processed fish and fish products	" 841,907	10,869
Fish livers, fish offal, refuse, etc.	" ...	655
Fish oil for refining	gal. 882,141	473
Soybean oil	" 382,721	442
Other edible vegetable oils	" 100,825	204
Bread and batter	" ...	262
Vinegar	gal. 126,048	50
Salt	cwt. 336,841	413
Anti-oxidants	lb. 22,377	14
Chlorine	" 169,865	27
Fruits, vegetables, meat and poultry	" ...	497
Sawdust and other material for smoking fish	" ...	17
All other materials and components used ²	" ...	4,762
2. Containers and other packaging materials and supplies used		14,943
3. Operating, maintenance and repair supplies used (excluding fuel)		5,774
4. Amount paid out to others for work done on materials owned by establishments		3,521
Total		144,604

¹ See Explanatory Notes.

² No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. In 1962 these estimated costs were \$1,284,851.

TABLE 5. Fuel and Electricity Used¹ in Manufacturing Activity,² 1962

Basis: Revised Standard Industrial Classification and New Establishment Concept³

Description	Quantity	Cost
		\$'000
1. Large establishments which reported commodity detail:		
Bituminous coal:		
(a) From Canadian mines	ton 7,928	126
(b) Imported	" 25	1
Sub-bituminous coal (from Alberta mines only)	" 45	1
Anthracite coal	" 21	1
Lignite coal	" -	-
Coke	" -	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 827,519	330
Fuel oil including kerosene or coal oil	" 15,025,851	1,928
Wood	cord 2,506	40
Gas:		
(a) Liquefied petroleum gases	Imp. gal. 59,216	24
(b) Other manufactured gas	M cu. ft. 1,575	1
(c) Natural gas	" 63,973	39
Other fuel	" -	-
Electricity purchased	kwh. 55,163,149	1,075
Steam purchased	" ...	10
2. Estimate for small establishments for which no data were collected:		
Fuel and electricity	" ...	50
3. All establishments:		
Total fuel and electricity used	" ...	3,626

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

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

³ See Explanatory Notes.

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

Description	Quantity	Value
		\$'000
1. Products:		
Fishery products	202,170
All other products	3,567
2. Amount received in payment for work done on materials and products owned by others		3,028
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above		(1,234)
Net adjustment for establishments receiving progress payments ²
Total adjusted value of shipments and work done		207,531

¹ See Explanatory Notes.
² See footnote 1, Table 7.

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

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing ³	Products or materials purchased for resale	
						book value \$'000
Opening: ³						
Newfoundland	3,481	214	3,695
Prince Edward Island	223	21	244
Nova Scotia	5,812	294	6,106
New Brunswick	2,230	138	2,368
Quebec	211	—	211
Ontario	909	15	924
Manitoba	}	319	14	333
Saskatchewan			
Alberta	25,570	3,548	29,118
British Columbia	38,756	4,243	42,999
Totals⁴			
Closing:						
Newfoundland	4,161	206	4,367
Prince Edward Island	184	15	199
Nova Scotia	6,137	352	6,489
New Brunswick	3,634	188	3,822
Quebec	211	1	212
Ontario	986	12	998
Manitoba	}	504	16	520
Saskatchewan			
Alberta	39,855	4,227	44,082
British Columbia	55,671	5,015	60,686
Totals⁴			

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

² See Explanatory Notes.

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

⁴ Figures may not add due to rounding.

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

TABLE 8. Shipments of Goods of Own Manufacture — All Industries, 1961¹ and 1962¹
Not applicable to this industry

TABLE 9. Capital and Repair Expenditures, 1960-62

Year	Capital expenditures			Repair expenditures			Total capital and repair expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
									\$'000
1960	1,141	1,683	2,824	999	1,724	2,723	2,140	3,407	5,547
1961	1,498	2,331	3,829	855	2,117	2,972	2,353	4,448	6,801
1962	3,258	5,197	8,455	1,591	2,992	4,583	4,849	8,189	13,038

Source: Business Finance Division. — DRS.

List of Establishments, 1962

Name	Address
Newfoundland:	
Arctic Fishery Products Ltd.	St. John's
Bay Roberts Fisheries Ltd.	Bay Roberts
Bay Roberts Fisheries Ltd.	St. John's, (Badgers Quay)
Bonavista Cold Storage Co. Ltd.	Grand Bank, Bonavista
Booth Fisheries Canadian Co. Ltd.	Fortune
Bowring Bros. Ltd.	St. John's
Burgeo Fish Ind. Ltd.	Burgeo
East Coast Fisheries	St. John's
Fishery Products Ltd.	Burin, Catalina, Greenspond, Holyrood, Isle-Aux-Morts, Trepassey, Merasheen, Port Elizabeth
Flat Rock Fisheries	St. John's
Gulf Fisheries	Bay of Islands
Gaultois Fisheries Ltd.	Gaultois
Hardy Co. Ltd., T.J.	Port Aux Basques
Hiscock Sons Ltd., J.W.	Brigus
Job Bros. & Co. Ltd.	St. John's, (2 plants)-Lascie
Lake Ltd., H.B. Clyde	St. John's, (Englee)
Maritime Trading Corp. Ltd.	St. John's, (Gaultois)
Mifflin Fisheries Ltd.	St. John's, (Catalina)
Munn Co. Ltd., W.A.	St. John's (Hbr. Grace)
Nfld. Quick Freeze Ltd.	Witless Bay
Norris Point Fisheries Society	Norris Point
North Eastern Fish Ind. Ltd.	Harbour Grace, Fermeuse
Penney & Sons Ltd., John	Ramea
Roberts, Daniel G.	Change Island
Scotia Fat Salvage Co.	Witless Bay
Steers Exports Limited	St. John's
Prince Edward Island:	
Acadian Fish Co-op. Assoc. Ltd.	Wellington, (Abrams Village)
Beach Point Fishermen's Co-op. Assoc. Ltd.	Murray Hbr., (Beach Point)
Buote, Jerry	Tignish
Champion & Sons, R.	Kensington
Eastern Fisheries Ltd.	Souris
Fraser, T.H.	Murray Hbr.
French River Cannery	Park Corner, (French R.)
Graham, Wendell	Gaspereaux
Johnston & Carpenter	Montague
Keeping & McKay Ltd.	Murray Hbr., (Beach Point)
Landry, Napoleon P.	Georgetown
Montague Cold Storage Ltd.	Montague
North Rustico Fishermen's Co-op. Assoc. Ltd.	North Rustico
North Shore Packing Co. Ltd.	Malpeque
Ramsay, Merritt	Campbellton
Richard, Glorice	Mont Carmel
Tignish Fisheries Co-op. Assoc. Ltd.	Tignish
Nova Scotia:	
Abriel Fisheries	Tangier, Halifax Co.
Acadia Fisheries Ltd.	Mulgrave, Guysborough Co.
Adams & Knickle Ltd.	Lunenburg, Lunenburg Co.
Althouse, D.C.	Tiverton, Digby Co.
Amirault, Emile	Upper West Pubnico, Yarmouth Co.
Atlantic Cannery	Fairview, Halifax Co.
Bailey, Albert G.	Westport, Digby Co.
Belliveau Fisheries	Belliveau Cove, Digby Co.
Bickerton Co-operative Ltd.	Bickerton West, Guysborough Co.
Bickerton Fisheries Ltd.	Bickerton West, Guysborough Co.
Bonda Foods Ltd.	Yarmouth, Yarmouth Co.
Bonda Meal & Oil Ltd.	Short Beach, Yarmouth Co.
Booth Fisheries Canadian Co. Ltd.	Petit de Grat, Richmond Co.
Briny Deep Fisheries Ltd.	Lunenburg, Lunenburg Co.
British Columbia Packers Ltd.	Canso, Guysborough Co., Clarke's Hbr. Shelburne Co.
Burns Fisheries Ltd.	Halifax, Halifax Co.
Cabot Cold Storage Co-op. Soc. Ltd.	Cheticamp, Inverness Co.
Cape Ann Seafoods Ltd.	Port Latour, Shelburne Co.
Cape Breton Co-op. Fisheries	Alder Point, Cape Breton Co.
Casey Fisheries Ltd.	Victoria Beach, Annapolis Co.
Chandler Bros. Ltd.	Moose Harbour, Queens Co.
Cheticamp Fishermen's Co-op. Soc. Ltd.	Cheticamp, Inverness Co.
Churchill, N.W.	Short Beach, Yarmouth Co.
Clarke, John J.	Goldboro, Guysborough Co.
Comeau & Sons Ltd., L.H.	Meteghan, Digby Co.
Comeau & Bourque	Comeauville, Digby Co.
Comeau's Sea Foods Ltd.	Sauinville, Digby Co.
Connors Bros. Ltd.	Freeport, Digby Co.
Covey, Walter	Hacketts Cove, Halifax Co.
Cunningham & Son Ltd., F.E.	Clarke's Harbour, Shelburne Co.
Denton, C.A.	Little River, Digby Co.
D'Entremont Delmar J.	W. Pubnico, Yarmouth Co.
D'Eon Fisheries	Upper West Pubnico, Yarmouth Co.
D'Eon & D'Entremont Fisheries	Middle West Pubnico, Yarmouth Co.
Deveau & Son, C.L.	Salmon River, Digby Co.
Doucet, Felix	Weymouth, Digby Co.
Doucet, George	Weymouth, Digby Co.
Doyle & Sons Ltd., John A.	Merigonish, Pictou Co.
Eastern Co-op. Fisheries Ltd.	Canso, Guysborough Co.
Elliott & Co. Ltd., Gorham	Tiverton, Digby Co.
Frankland Canning Co. Ltd.	Church Pt., Digby Co.

List of Establishments, 1962 - Continued

Name	Address
Nova Scotia - Concluded:	
Gates, Granville R.	Blandford, Lunenburg Co.
Glance Bay Fish Meal Co.	Glance Bay, Cape Breton Co.
Goldman & Sons Ltd., D.	Glance Bay, Cape Breton Co.
Grand Etang Fish Co-op. Soc. Ltd.	Grand Etang, Inverness Co.
Graves, Walter A.	Morden, Kings Co.
Guysboro Co-op. Fisheries Ltd.	White Head, Guysborough Co.
Halifax Fisheries Ltd.	109 Upper Water St., Halifax, Halifax Co.
Harnish, Robert	Hubbards, Halifax Co.
Harris & Theriault Ltd.	East Ferry, Digby Co.
Hipro Foods Ltd.	Mink Cove, Digby Co.
Hopkins, Cleveland	Bear Pt., Shelburne Co.
Hopkins, Clifford	Bear Pt., Shelburne Co.
Hopkins, H.	Port Morien, Cape Breton Co.
Hopkins & Hopkins Ltd.	Lower Wood Harbour, Shelburne Co.
Isle Madame Fishermen's Co-op.	Petit de Grat, Richmond Co.
Jollimore & Sons Ltd., G.B.	Arichat, Richmond Co.
Karlsen & Co. Ltd., Karl	Halifax, Halifax Co.
Kenney & Ross Ltd.	Clarke's Harbour, (Port Saxon), Shelburne Co.
Kenney Jr., D.B.	Westport, Digby Co.
Koritem Ltd., Wilfred	Yarmouth, Yarmouth Co.
La Have Outfitting Co. Ltd.	La Have, Lunenburg Co.
Leblanc, Alfred L.	Wedgeport, Yarmouth Co.
Leblanc, Aurèle	Five Islands, Colchester Co.
Lewis Fisheries	Waterford, Digby Co.
Lipkus & Sons, Joe	Glance Bay, Cape Breton Co.
Lunenburg Sea Products Ltd.	Lunenburg, Lunenburg Co.
Lunenburg Outfitting Co.	Lunenburg, Lunenburg Co.
McClafferty & Sons Ltd.	Whale Cove, Digby Co.
Magee Ltd., Fred	Pictou, Pictou Co.
Malone Bros.	Woods Harbour, Shelburne Co.
Maritime Packers (Canada) Ltd.	Pictou, Caribou Hbr., Pictou Co.
Matthews & Scott Co. Ltd.	Queensport, Guysborough Co.
Miller Fisheries Ltd., Seldon	Hubbard, Halifax Co.
National Sea Products Ltd.	North Sidney (Leonard Bros. Div.); Lockeport (The Lockeport Co. Div.); Louisburg (Louisburg Div.); Halifax (40-Fathom Div.); Digby (Sea-Seald Div.); Halifax (Sea-Seald Div.)
Newell, Bros.	Newelton, Shelburne Co.
Nickerson Bros. Ltd.	Liverpool, (P Mouton), Queens Co.
Nickerson Ltd., Claredon S.	Clarke's Harbour, Shelburne Co.
Nickerson & Sons Ltd., H.B.	North Sidney, Glance Bay, Cape Breton Co.
North Shore Fisheries	Malignant Cove, Antigonish Co.
Olsson Trading Co. Ltd., A.V.	Upper Pt. Latour, Shelburne Co.
Parker, Fred	Halls Hbr., Kings Co.
Penny, Cecil W.	West Port Hebert, Shelburne Co.
Pierce Fisheries Ltd.	Lockeport, Shelburne Co.
Pubnico Co-op. Assoc. Ltd.	Middle East Pubnico, Yarmouth Co.
Quinlan, E.K.	Clark's Harbour, Shelburne Co.
Quinlan, Lionel L.	McGrays P.O., Shelburne Co.
Quinlan, Nathaniel & Milton	Stony Island, Shelburne Co.
Raymond, Keith	Centreville, Digby Co.
Robicheau, R.E.	Westport, Digby Co.
Ritcey Bros. (Fisheries) Ltd.	Riverport, Lunenburg Co.
Sable Fish Packers Ltd.	Clarke's Harbour, Shelburne Co.
Sandy Cove Fisheries Co. Ltd.	Mink Cove, Digby Co.
Shaw & Gidney	Centreville, Digby Co.
Shelburne Fisheries Ltd.	Lower Sandy Point, Shelburne Co.
Silver Seas Fisheries	Sambro, Halifax Co.
Simpson, Royal R.	River View, Cumberland Co.
Small Bros. Ltd.	Tiverton, Digby Co.
Small, S.N.	East Ferry, Digby Co.
Smith & Co. Ltd., A.M.	Halifax, Halifax Co.
Snow Bros. Reg'd.	Digby, Digby Co.
Stoddard, James	East Baccaro, Shelburne Co.
Stoney Island Fisheries	Stoney Island, Shelburne Co.
Sweeney Fisheries Ltd., Lawrence	Yarmouth, Yarmouth Co.
Swim Bros. Ltd.	Lockeport, Shelburne Co.
Theriault Ltd., B.	East Ferry, Digby Co.
Thomas, Ivan E.	Port Maitland, Yarmouth Co.
Thorburn Bros.	Sandy Point, Shelburne Co.
Tiverton Sea Products Ltd.	Tiverton, Digby Co.
Waybret, Howard	Shag Hbr., Shelburne Co.
Whitmover Laboratories Ltd.	North Sydney, Cape Breton Co.
Vita Food Products Inc.	(Carleton Village 4 Ingomar); (Allendale)
Yarmouth Cold Storage Co. Ltd.	Yarmouth, Yarmouth Co.
Zwicker & Co. Ltd.	Lunenburg, Lunenburg Co.
New Brunswick:	
L'Assoc. Co-op. des Pêcheurs de L'Île Ltée.	Lameque, Gloucester Co.
Boudreau, Alvin	Leger Brook, Westmorland Co.
Boudreau, Omer	Little Cape, Westmorland Co.
Bourque, Ltd., Emilie	Leger Brook, Westmorland Co.
Brine, Norman G.	Cape Bald, Westmorland Co.
Caissie, Ltd., J.A.	Richibucto, Kent Co.
Cape Bald Packers Ltd.	Cape Bald, Westmorland Co.
Caraquet Packers Ltd.	M. Caraquet, Gloucester Co.
Cogswell, Max	Riverview Drive, W. Saint John, St. John Co.
Connors Bros. Ltd.	Blacks Harbour, Charlotte Co.; Beaver Harbour, Charlotte Co.
Connors & Sons Ltd., Lewis	Back Bay, Charlotte Co.
Cook, J. Lorne	Seal Cove, Charlotte Co.
Co-opérative Cartier Ltée, La	Richibucto, Kent Co.

List of Establishments, 1962 - Continued

Name	Address
New Brunswick - Concluded:	
Cormier & Leblanc Ltd.	Lower Cape Bald, Westmorland Co.
Cormier, Aimé J.	Lower Cape Bald, Westmorland Co.
Cormier, Bazil	Lower Cape Bald, Westmorland Co.
Cormier, Camille V.	Bas Cap Pelé, Westmorland Co.
Cormier, Tilmon D.	Lower Cape Bald, Westmorland Co.
Cosman, Wm. S.	Seal Cove, Charlotte Co.
Crocker Co. Ltd., T.W.	Newcastle, Northumberland Co.
Cronk Bros.	Seal Cove, Charlotte Co.
Daggett & O'Neill	Seal Cove, Charlotte Co.
Duguay, Alban	Lower Cape Bald, Westmorland Co.
Duguay, Leo	Leger Brook, Westmorland Co.
Eagle Fisheries Ltd.	Loggieville, (Shippigan), Northumberland Co.
Gagnon, Edmond	Robichaud, Westmorland Co.
Gaudet, Ferdinand P.	Lower Cape Bald, Westmorland Co.
Gauthier, Louis L.	Shippigan, Gloucester Co.
Gionet, André	Middle Caraquet, Gloucester Co.
Godin & Cie Ltée., J.B.	Maisonnette, Gloucester Co.
Gorton-Pew Ltd.	Caraquet, Gloucester Co.
Grande Anse Packers Ltd.	Grande Anse, Gloucester Co.
Guptill, Hazen M.	White Head, Charlotte Co.
Harvey & Bleumortier	Seal Cove, Charlotte Co.
Jacob, André J.	Cap Pelé, Westmorland Co.
King & Son, Clovis	Richibucto, Kent Co.
Landry & Landry Ltd.	Dupuis Corner, Westmorland Co.
Lantelme, Ernest G.	M Caraquet, Gloucester Co.
Lantelme, Léo G.	Le Bouthillier, Gloucester Co.
Leblanc, Léo	Little Cape, Westmorland Co.
Legere, Jacob	Petit Cap, Westmorland Co.
Linton, Roy A.	Grand Harbour, Charlotte Co.
Loggie, W.S. Co. Ltd.	Tracadie Beach, Gloucester Co.; Tracadie, Gloucester Co.
McCallum, W.H.	W. Saint John, St. John Co.
Maritime Packers (Canada) Ltd.	Cape Tormentine, Westmorland Co.
Melanson, Edmond P.	R.R. 2, Cocagne, Kent Co.
Middleton & Travis	Castalia, Charlotte Co.
Niles, Willie	Bas Cap Pelé Westmorland Co.
Paturel, E.	Shediac, (C Bimet), Westmorland Co.
Quoddy Seafoods Ltd.	Blacks Harbour, Charlotte Co.
Ridpath Co. Ltd., The	Richibucto, Kent Co.
Ridpath Ltd., B.A.	Ste-Anne-de-Kent, Kent Co.
Robichaud & Co. Ltd.	Shippigan, Gloucester Co.
Robichaud & Sons, S.	Richibucto, Kent Co.
Russell, Emile	Shippigan Gully
Russell, E.J.	Loggieville, Blue Cove, Northumberland Co.
Shaw & Ellis Ltd.	Pocologan, Charlotte Co.
Spence & Sons Ltd., Geo. C.	Green Point, Gloucester Co.
Swim Bros. Ltd.	Shippigan, Gloucester Co.
Thériault Ade.	Baie Ste-Anne, Northumberland Co.
Welch Ltd., H.W.	Fairhaven, Charlotte Co.
White Knight Sea Foods Ltd.	Lower Cape Bald, Westmorland Co.
Québec:	
Allard, Rolland	Carleton-sur-Mer, Bonaventure Co.
Arsenault, Fabien	Pointe Basse, Magdalen Island
Association Co-opérative des Pêcheurs	Cap-des-Rosiers, Gaspé Co.; Grande-Vallée, Gaspé Co.; St-Maurice de-L'Echourie, Gaspé Co.; Etang-du-Nord, Magdalen Islands, Have-aux-Maisons, Magdalen Islands.
Blue Water Seafoods Ltd.	9015 Park Ave., Montreal
Chapados, Théo	Paspébiac, Bonaventure Co.
Chiasson, In Trust, W.	Cap-aux-Meules, Magdalen Islands
Coast Produce Inc.	(Riv. Au Tonnerre) Québec
Co-opérative Centrale	Cap-Aux-Meules, Magdalen Islands
Co-opérative des Pêcheurs	Gros Cap, Magdalen Islands
Co-opérative St-Francois-Xavier	Havre Aubert, Magdalen Islands
Delaney, J.W.	Havre-aux-Maisons, Magdalen Islands
Delaney, R. & Son Ltd.	Havre-aux-Maisons, Magdalen Islands
Escouade, L'	Fatima, Magdalen Islands
Gorton-Pew Ltd.	Grindstone, Amherst, Magdalen Islands
Grindstone Fisheries	Grande Entrée, Magdalen Islands
Harvie, G. & M.	Grand Ruisseau, Magdalen Islands
Journeaux, J.W. Lockhart	Port Daniel, Bonaventure Co.
Landry, Fred	Etang du Nord, Magdalen Island
Lelièvre, Gustave	Petite Rivière Est, Gaspé Co.
Malbay Fish Co.	Pointe-St-Pierre, Gaspé Co.
Maritime Packers (Canada) Ltd.	Amherst, Magdalen Islands
Méthot, Jos. E.	Grande Rivière, Gaspé Co.
Molloy, Pierre	Chandler, Gaspé Co.
Morris Co-operative, C.J.	Rivière St-Paul, Saguenay Co.
Pêcheurs-Unis de Québec	Anse-au-Grifon, Gaspé Co.; Cloridorme, Gaspé Co.; Grand Rivière, Gaspé Co.; Newport, Gaspé Co.; Rivière-au-Renard, Gaspé Co.; Ste-Thérèse, Gaspé Co.; Sandy Beach, Gaspé Co.; Matane, Matane Co.
Pitre, Lionel	Cap D'Espoir, Gaspé Co.
Renaud, Armand	Aurigny, Magdalen Islands
Robin, Jones & Whitman Ltd.	L'Anse-à-Beaufils, Gaspé Co. Paspébiac, Bonaventure Co.
Russell, Emile	St-Omer, Bonaventure Co.
Sacholr de Rimouski	Rimouski
St. Lawrence Sea Products Ltd.	La Tabatière
Sumarah, Wm. & Sons	Grindstone, Magdalen Islands
Syndicat des Pêcheurs	Sept Iles, Saguenay Co.

List of Establishments, 1962 - Concluded

Name	Address
Ontario:	
Armstrong Fisheries	Pickle Lake
Birkner Freshwater Fisheries	3479 Tecumseh Rd., Sandwich East,
Caraquet Packers Ltd.	Box 218, Belleville
Central Smoked Fish Co.	63 Murlock Ave., Toronto 9
Exclusive Delicatessen Co.	10 Widmer St., Toronto
Finlay Fish Limited	15 Jarvis St., Hamilton
Harbord Fish Co. Ltd.	488 Dupont St., Toronto
Ogino Food Processing	125 River St., Toronto
Omstead Fisheries 1961 Ltd.	Erie St., South, Wheatley
Riverside Fisheries Ltd.	436 University E., Windsor
Stewart Fisheries	Kingsville
Manitoba:	
Bodner Fish Distributors Ltd.	335 Ross Ave., Winnipeg 2
Booth Fisheries Canadian Co. Ltd.	Selkirk
British Columbia Packers Ltd.	463 Furby St., Winnipeg 2
Grand Rapids Trading Co.	311 Chambers St., Winnipeg
Independent Fish Co. Ltd.	941 Sherbrock St., Winnipeg
Keystone Fisheries	16 Martha St., Winnipeg 2
Northland Fish Ltd.	God's Lake, Molson Lake & Savage Lake
Selkirk Fisheries Ltd.	371 Logan Ave., Winnipeg
Saskatchewan:	
McInnes Products Corp. Ltd.	Crackingstone Point
Alberta:	
Foothills Fisheries Ltd.	1415-38th Ave., S.E. Calgary
Fort Nelson Fish Co. Ltd.	10580-102nd St., Edmonton
British Columbia:	
A.B. Marine Products Ltd.	Steveston
Anglo-British Columbia Packing Co. Ltd.	Vancouver (North Pacific) (Phoenix)
Arctic Seafood Products Ltd.	Vancouver
Atlin Fisheries Ltd.	Prince Rupert
Babcock Fisheries Ltd.	Vancouver (Prince Rupert)
Booth Fisheries Canadian Co. Ltd.	Prince Rupert
Boundary Bay Sea Foods Ltd.	Crescent Beach
British Columbia Packers Ltd.	Vancouver, Namu, Prince Rupert, Steveston, Sunnyside, Victoria
Canadian Fishing Co. Ltd.	Vancouver, Butedale, Port Albion, Steveston Prince Rupert
Cassiar Packing Co. Ltd.	Vancouver 1 (Caspaco)
Edmunds & Walker Ltd.	Vancouver (B.C. Packers)
Long Beach Shellfish Co. Ltd.	Vancouver
Matsuo, S.	Richmond
Miller & Co. Ltd., Francis	Vancouver 3
Nelson Bros. Fisheries Ltd.	Port Edward, Steveston
North American Fisheries Ltd.	Vancouver 4
Oakland Industries Ltd.	Victoria
Ocean Fisheries Ltd.	Vancouver
Pacific Fisheries Co. Ltd.	Prince Rupert
Pedersen, Eric	Port Keils
Prince Rupert Fishermen's Co-op. Assoc.	Prince Rupert
Queen Charlotte Fisheries Ltd.	Vancouver 5
Queen Charlotte Cannery Ltd.	Massett
Royal Fisheries Ltd.	Vancouver (Prince Rupert)
Saimoto & Sons Ltd., K.	Vancouver
Salmonroe Products Ltd.	Vancouver 6
Seafood Products Ltd.	Vancouver 6
Sooke Harbour Fishing & Packing Co. Ltd.	Sooke
Sugiyama & Son Ltd., I.	Vancouver
Todd, J.H. & Sons Ltd.	Vancouver 1
Tofino Packing Co. Ltd.	Tofino
Tulloch-Western Fisheries Ltd.	Vancouver 6
Western Canada Whaling Co. Ltd.	Vancouver
Western Chemical Industries Ltd.	Vancouver
White Rock Shell Fish Co.	Vancouver

EXPLANATORY NOTES

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

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

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

Standard Industrial Classification

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

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

Full details concerning the revised classification system are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics.

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

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. The majority of establishments are firms, but many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described below.

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

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

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

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

(a) The establishment is to be distinguished from smaller subdivisions or departments which do not have records that permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in activities which were classifiable to different industries. Beginning with 1961, separate reports for such activities are required only in cases where accounting records can provide the necessary input and output elements of principal statistics. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.¹

(b) A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were primarily engaged in manufacturing. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics.¹

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

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

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

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

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

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

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

³ See footnote 1.

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

1. Single-Establishment Companies

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

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

2. Multi-Establishment Companies

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

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

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

⁴ See footnote 2 for exceptions.

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

Period Covered

Respondents are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. However, the data on employees, salaries, wages and man-hours are requested on a calendar year basis in all cases.

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

Working Owners or Partners

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

Number of Establishments

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

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

Employees

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

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

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

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

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

Production and related workers are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months in order to derive equivalent annual full-time employment. The numbers are somewhat affected by turn over, in that employment is overstated when an employee changes employment within the same industry during a pay period. Other categories of workers are reported in the form of annual averages. Figures on employment and man-hours refer to the calendar year whether or not some establishments report other data on a financial year basis.

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

Salaries and Wages

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

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

Fuel and Electricity

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

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

Materials and Supplies

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

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

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

Shipments

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

(a) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost of any goods shipped on a rental basis.

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

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

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

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

(b) Shipments of goods not of own manufacture

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

(c) Other revenue

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

Inventories

(a) Manufacturing inventory

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

(b) Inventory of goods purchased for re-sale

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

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

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By total activities

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

"Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or "Gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected in the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking for only a limited amount of detail. For purposes of publication, missing data were estimated on the basis of appropriate ratios. Beginning with the 1959 census, the general limit for short forms was raised from \$50,000 (the limit used since 1949) to \$100,000 value of shipments and a new medium form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the

short and medium forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

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

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

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

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