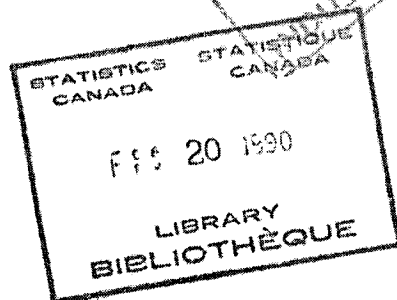


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ANNUAL



TEXTILE DYEING AND FINISHING PLANTS

1965

ANNUAL CENSUS OF MANUFACTURES

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TEXTILE DYEING AND FINISHING PLANTS

1965

In terms of both the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in custom dyeing and finishing of woollen and worsted goods, cotton and linen goods, silk and synthetic goods. This industry also includes establishments primarily engaged in cloth sponging and miscellaneous special finishing of textiles on a custom basis".

Tables 12 and 13, respectively, of this report, show in detail the materials and supplies used and shipments, including the value of work performed for others. It will be noted from Table 13 that, although most of the establishments classified to this industry operate solely on a custom basis, there are some which also purchase cloth on their own account; dye or finish this cloth; and then ship the finished cloth as goods of their own manufacture. This accounts for the amounts of \$1,999,000 and \$1,759,000 respectively, for both 1964 and 1965 shown in this table under the heading of "Shipments of own manufacture".

A list of establishments classified to this industry in the 1965 survey will be found at the end of this report.

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, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	54	1,623	3,739	5,240	821	5,615	18,520	12,054	16	66	1,984	7,394	12,021
1962													
Totals	58	1,765	4,142	5,830	863	6,912	23,317	15,569	13	67	2,125	7,943	15,514
1963													
Totals	59	1,834	4,314	6,511	902	8,077	25,370	16,452	9	35	2,191	8,701	16,444
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	40	1,629	3,693	5,698	824	6,161	21,755	14,634	3	21	1,950	7,714	14,588
Ontario	22	456	1,041	1,520	181	2,601	6,269	3,510	6	26	515	1,966	3,503
Manitoba	-												
Saskatchewan	-												
Alberta	-												
British Columbia	1	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-												
Totals	63	2,085	4,733	7,218	1,004	8,761	28,023	18,144	9	47	2,465	9,680	18,092
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	43	1,683	3,811	6,127	895	7,686	24,639	15,897	4	31	1,953	8,476	15,879
Ontario	19	437	1,033	1,569	178	2,513	6,205	3,511	5	22	495	2,057	3,536
Manitoba	1												
Saskatchewan	-												
Alberta	-												
British Columbia	1	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-												
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

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	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	7	17	20	—	8	51	43	1	5	9	23	43
25,000 "	5	8	17	21	3	42	152	107	3	12	12	39	107
50,000 "	12	123	253	330	37	194	823	592	5	30	134	382	592
100,000 "	15	358	838	775	59	272	2,112	1,781	—	—	311	1,098	1,773
200,000 "	15	372	791	1,162	179	1,653	4,738	2,919	—	—	431	1,674	2,919
500,000 "	4	148	375	563	57	921	2,397	1,412	—	—	165	693	1,403
1,000,000 "	9	1,169	2,744	4,348	689	5,672	17,752	11,289	—	—	1,403	5,772	11,255
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	63	2,085	4,735	7,218	1,004	8,761	28,023	18,144	9	47	2,465	9,680	18,092
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	8	17	24	—	11	59	48	1	13	11	36	48
25,000 "	8	41	85	112	5	77	365	224	4	23	46	130	224
50,000 "	9	84	183	244	48	188	680	444	4	18	97	291	447
100,000 "	13	205	429	629	35	282	1,709	1,482	—	—	251	921	1,479
200,000 "	16	412	896	1,398	189	1,409	4,710	3,115	—	—	464	1,844	3,133
500,000 "	5	229	568	893	63	1,396	3,256	1,808	—	—	247	1,080	1,805
1,000,000 "	10	1,141	2,684	4,396	733	7,018	20,032	12,288	—	—	1,372	6,232	12,278
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

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			
1964															
Under \$10,000	}	7	11	24	28	1	83	182	99	3	12	15	37	99	
\$ 10,000 to \$ 24,999		6	36	77	100	22	89	321	210	3	16	46	141	210	
25,000 " 49,999		12	142	294	389	38	562	1,420	821	3	20	156	479	820	
50,000 " 99,999		21	362	765	1,140	140	1,451	4,583	3,009	—	—	435	1,617	2,995	
100,000 " 199,999		7	295	648	941	126	843	3,178	2,200	—	—	338	1,341	2,198	
200,000 " 499,999		4	308	761	1,118	120	1,909	4,826	2,802	—	—	339	1,348	2,793	
500,000 " 999,999		6	931	2,165	3,503	557	3,825	13,515	9,005	—	—	1,136	4,717	8,978	
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—		
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—		
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	63	2,083	4,735	7,218	1,004	8,761	28,023	18,144	9	47	2,463	9,680	18,092		
1965															
Under \$10,000	}	7	19	40	50	5	106	224	113	3	17	24	67	117	
\$ 10,000 to \$ 24,999		8	52	111	151	23	88	397	280	3	19	62	189	280	
25,000 " 49,999		12	153	323	451	46	352	1,291	892	3	17	170	573	891	
50,000 " 99,999		18	355	777	1,178	137	1,897	4,839	2,806	—	—	418	1,582	2,795	
100,000 " 199,999		10	393	879	1,344	131	3,010	6,501	3,328	—	—	452	1,907	3,348	
200,000 " 499,999		}	9	1,146	2,713	4,522	731	4,928	17,591	11,983	—	—	1,362	6,215	11,978
500,000 " 999,999			—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—		
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—		
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414		

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

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	
1964													
Under \$10,000	7	11	24	28	1	83	182	99	3	12	15	37	99
\$ 10,000 to \$ 24,999	6	36	77	100	22	89	321	210	3	16	46	141	310
25,000 " 49,999	13	158	328	446	38	575	1,537	923	3	20	175	554	920
50,000 " 99,999	20	346	730	1,082	140	1,438	4,467	2,896	-	-	416	1,541	2,895
100,000 " 199,999	7	295	648	941	126	843	3,176	2,200	-	-	338	1,341	2,198
200,000 " 499,999	4	308	761	1,118	120	1,909	4,828	2,802	-	-	339	1,348	2,793
500,000 " 999,999	6	931	2,165	3,503	557	9,825	13,515	9,005	-	-	1,436	4,717	8,678
1,000,000 " 4,999,999	-	-	-	-	-	-	-	-	-	-	-	-	-
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	63	2,083	4,733	7,218	1,004	8,761	28,023	18,144	9	47	2,465	9,680	18,092
1965													
Under \$10,000	7	19	40	50	5	106	224	113	3	17	24	67	117
\$ 10,000 to \$ 24,999	8	52	111	151	23	88	397	266	3	19	62	189	286
25,000 " 49,999	12	153	323	451	46	352	1,291	892	3	17	170	573	891
50,000 " 99,999	18	355	777	1,178	137	1,897	4,839	2,606	-	-	418	1,582	2,795
100,000 " 199,999	10	393	879	1,344	131	3,010	6,301	3,328	-	-	452	1,907	3,348
200,000 " 499,999	9	1,148	2,713	4,522	731	4,928	17,591	11,983	-	-	1,362	6,215	11,978
500,000 " 999,999	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 " 4,999,999	-	-	-	-	-	-	-	-	-	-	-	-	-
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

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	
1964													
Under 5 employed	9	15	33	40	3	91	277	184	3	12	21	61	184
5 - 14 employed	17	130	287	410	57	1,480	2,978	1,435	6	33	156	573	1,429
15 - 49 "	25	555	1,174	1,712	309	1,328	5,382	3,839	-	-	657	2,418	3,831
50 - 99 "	6	448	1,039	1,617	166	1,863	5,839	3,821	-	-	488	1,938	3,605
100-199 "	6	937	2,201	3,438	569	4,000	13,567	8,865	-	-	1,143	4,690	8,842
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	63	2,083	4,733	7,218	1,004	8,761	28,023	18,144	9	47	2,465	9,680	18,092
1965													
Under 5 employed	5	10	20	27	6	213	335	115	2	5	14	51	118
5 - 14 employed	22	166	375	530	69	1,948	3,715	1,698	7	49	201	793	1,691
15 - 49 "	23	510	1,096	1,688	174	1,882	5,684	3,613	-	-	599	2,289	3,697
50 - 99 "	7	429	1,014	1,498	154	1,864	5,343	3,339	-	-	463	1,848	3,325
100-199 "	7	1,005	2,339	3,952	671	4,474	15,767	10,643	-	-	1,211	5,553	10,644
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships	11	63	137	196	15	480	908	503	9	47	69	221	502
Partnerships													
Incorporated companies	52	2,022	4,597	7,022	990	8,281	27,025	17,640	...	...	2,396	9,459	17,589
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	63	2,085	4,735	7,218	1,004	8,761	28,023	18,144	9	47	2,465	9,680	18,092
1965													
Individual ownerships	9	68	148	210	19	435	917	463	9	53	70	222	465
Partnerships													
Incorporated companies	55	2,052	4,696	7,486	1,054	9,946	29,927	18,946	...	...	2,418	10,311	18,949
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	64	2,120	4,844	7,696	1,073	10,381	30,844	19,409	9	53	2,488	10,533	19,414

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue	28,023	30,844	934	1,420	28,957	32,264
Inventories— Goods of own manufacture:						
Add closing— Goods in process	195	190	...	...	195	190
Finished goods	85	83	...	...	85	83
Deduct opening— Goods in process	291	169	...	...	291	169
Finished goods	103	85	...	...	103	85
2. Net inventory change	(114)	19	...	...	(114)	19
3. Gross output (1 + 2)	27,909	30,863	934	1,420	28,843	32,283
Input						
4. Purchases of goods not of own manufacture .....	...	...	1,057	1,255	1,057	1,255
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	194	354	194	354
Deduct closing .....	...	...	354	291	354	291
5. Cost of goods sold (not of own manufacture) .....	...	...	897	1,318	897	1,318
6. Materials, supplies, etc.	8,761	10,381	90	98	8,851	10,479
7. Fuel and electricity	1,004	1,073	...	...	1,004	1,073
8. Gross input (5 + 6 + 7)	9,765	11,454	987	1,416	10,752	12,870
Value added (3 - 8)	18,444	19,409	(53)	4	18,092	19,414

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distribution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other			
1964	number										\$'000				
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	1,372	257	-	-	211	88	20	2	1,603	347	5,698	-	1,876	140	7,714
Ontario	308	148	-	-	33	22	3	1	344	171	1,530	-	418	28	1,966
Manitoba															
Saskatchewan															
Alberta															
British Columbia															
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	1,680	405	-	-	244	110	23	3	1,947	518	7,218	-	2,294	168	9,680
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	1,404	279	-	-	195	91	22	2	1,621	372	6,127	-	2,208	142	8,476
Ontario	290	147	-	-	32	22	3	1	325	170	1,569	-	462	26	2,057
Manitoba															
Saskatchewan															
Alberta															
British Columbia															
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	1,694	426	-	-	227	113	25	3	1,946	542	7,696	-	2,670	168	10,533

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,659	392	1,707	407
February	1,653	398	1,716	402
March	1,663	403	1,731	411
April	1,668	401	1,717	403
May	1,665	408	1,672	399
June	1,706	425	1,722	410
July	1,696	413	1,708	403
August	1,716	424	1,731	436
September	1,688	409	1,684	457
October	1,686	398	1,662	461
November	1,673	406	1,634	461
December	1,653	371	1,602	446
Averages	1,680	405	1,694	426
Establishments reporting annual averages (small establishments only)	...	...	...	...
Average for all establishments	1,680	405	1,694	426

TABLE 10. Inventories, 1965

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	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	723	130	17	870	244	1,114
Ontario	298	38	68	404	110	514
Manitoba						
Saskatchewan						
Alberta						
British Columbia	—	—	—	—	—	—
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,021	169	85	1,274	354	1,628
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	776	152	17	945	165	1,110
Ontario	321	38	66	425	127	552
Manitoba						
Saskatchewan						
Alberta						
British Columbia	—	—	—	—	—	—
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	1,098	190	83	1,371	291	1,662

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	—	—	—
(b) Imported	709	9	950	6
Sub-bituminous coal (from Alberta mines only)	—	—	—	—
Anthracite coal	—	—	—	—
Lignite coal	—	—	—	—
Coke	—	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	89,565	84,746	37
Fuel oil including kerosene or coal oil	—	6,427,142	6,539,084	492
Wood	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	40,918	60,898	24
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	—	106,882	93,889	88
Other fuel	—	—	—	—
Electricity purchased	kwh.	19,288,689	20,695,125	251
Steam purchased	—	113	—	128
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity	—	35	—	47
3. All establishments:				
Total fuel and electricity used	—	1,004	—	1,073

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Aniline and other dyes:				
Sulphur colours	pound 37,676	36	35,967	35
Direct colours	" 308,029	609	292,908	630
Indirect colours	" 50,451	141	44,857	131
Acid or basic colours	" 231,625	591	243,835	604
Colours used in printing	" 140,251	342	161,330	382
Other colours and dyes	" 174,286	268	181,157	279
Common salt	" 3,093,335	37	3,326,042	38
Glauber's salt	" 749,657	29	773,607	27
Soda ash	" 301,747	11	707,889	26
Soaps	" 261,065	78	269,267	76
Starch	" 68,548	12	125,608	24
Other weighting materials	"	49	...	21
Liquid ammonia	pound 44,363	3	184,548	12
Liquid chlorine	" 18,218	4	93,344	19
Gasoline and benzine	gallon 7,500	2	...	...
Alcohol	prf. gal. 4,582	1	7,114	2
Hydrogen peroxide	pound 556,286	119	683,028	147
Sulphuric acid 66% Bo	" 113,623	5	112,942	5
Acetic acid	" 577,863	67	382,686	46
Formic acid	" 51,278	10	121,393	22
Muriatic acid	" 122,565	5	339,376	16
Sulphonated oils	" 908,508	33	67,880	19
Carbon tetrachloride	" 49,840	16	48,839	16
Trisodium phosphate	" 49,840	10	135,474	15
Naphtha	gallon 162,828	35	283,520	61
Caustic soda	pound 230,110	17	409,950	27
Other chemicals, not specified	"	1,439	...	2,319
Rubberizing materials	"	167	...	169
Polyurethane and other foam	"	903	...	608
All other materials and components used ¹	"	2,311	...	2,937
2. Containers and other packaging materials and supplies used .....	...	298	...	330
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	923	...	908
4. Amount paid out to others for work done on materials owned by establishments .....	...	198	...	433
Totals .....	...	8,761	...	10,381

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$467,342 in 1964 and \$325,202 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Work done for others (custom work):				
Dyeing and finishing of textile fabrics:				
Rayon and rayon mixtures	sq. yd. 26,161,312	3,064	24,069,300	2,806
Nylon and nylon mixtures	" 15,363,639	3,253	13,525,313	3,417
Cotton and cotton mixtures	" 23,071,653	2,804	22,937,473	3,080
Wool and wool mixtures	" 4,605,188	1,137	4,325,141	987
Other fabrics	"	1,341	...	2,114
Dyeing and finishing of yarns:				
Cotton	lb. 258,925	84	227,610	78
Wool	" 2,324,079	553	1,998,831	563
Orlon	" 2,213,792	1,093	4,433,495	2,192
Other	"	327	...	324
Printing and painting on textile fabrics	"	4,800	...	3,214
Dyeing and finishing of other products:				
Hosiery	lb. 1,559,589	1,141	1,972,859	1,265
Other products	"	1,508	...	1,443
Rubberizing, mercerizing and waterproofing of fabrics	"	610	...	601
Bleaching, shrinking, sponging and brushing	"	1,790	...	1,938
Foam laminating of fabrics, all types	sq. yd. 5,180,212	1,966	6,400,448	2,502
All other work performed	"	576	...	472
2. Shipments of goods of own manufacture .....	...	1,999	...	1,759
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(20)	...	(13)
Total adjusted value of shipments and work done .....	...	28,023	...	30,844

List of Establishments classified to this Industry, 1963

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

Name	Location
Quebec:	
Atlas Sponging Inc.	372 St. Catherine St. West, Montreal
B.M. Dyeing Inc.	1820 Parthenais St., Montreal
Canada Dye Works Ltd.	83-2nd Ave., Iberville
Chemcell (1963) Ltd. (Canadian Celanese Co. Div.)	Valleyfield
City Sponging Inc.	372 St. Catherine St. West, Montreal
Commercial Dyers and Bleachers Ltd.	333 Louvain St. W., Montreal
Dominion Dyeing and Printing Co. Ltd.	35 Hériot St., Drummondville
Dyerite Limited	1101 - 8th Ave., Gram'mère
Elite Dye-Works Co. Ltd.	1242 St-Adelard St., Drummondville S.
Fabric Dyers Limited	2100 Victoria St., Lachine
Fabric Foam Corp.	387 Place de Louvain, Montreal
Fraser Dye Works Inc.	6801 Jeanne-Mance St., Montreal
Gerbro Corp.	6045D Côte de Liesse, Rd., St. Laurent
Globe & Manufacturers Sponging Works Inc.	10 Ontario St. W., Montreal
Gordon Textile Dyers Ltd.	1244 St. Laurent, Montréal
Gordon Yarn Dyers Ltd.	9075 St-Urbain St., Montreal
Guarantee Sponging Inc.	5514 St-Dominique, Montreal
Hubbard Felt Co. Ltd.	425 Marien Ave., Montreal
Hughes Trim Ltd.	2050 Bleury St., Montreal
Industrial Dyers Co.	50 Port Royal W., Montreal 12
Jet Dye Works Ltd.	St. Jean
Kendex Mfg. Co. Ltd.	140 Mercier St., St. Jean
Kenmar Dye Works Ltd.	201 St-Louis St., St. Jean
Kramer Sponging Inc.	1245 St-Urbain St., Montreal
La Pointe & Frère Ent.	25 Aristide St., St. Hyacinthe
Lee Dyers Ltd.	425 - 21st. Ave., Lachine
Model Dye Works (Canada) Ltd.	Route 52, Huntingdon
Montreal Fast Print Ltd.	9500 St. Lawrence Blvd., Montreal
Montreal Finishing Corp.	450 Port Royal W., Montreal
Montreal Novelty Print	352 Inspector St., Montreal
Neva Wei Co. of Canada Ltd.	352 Concord St., Montreal
Novelty Textile Printing	4030 Notre-Dame St. W., Montreal
Pinatel Piece Dye Works Ltd.	251 St-Pierre St. N., Joliette
Rainbow Dyeing Inc.	2209 Dandurand St., Montreal
Screen Fashions Ltd.	4821 Rouen St., Montreal
Shawin Co. Ltd.	8031 - 18th Ave., Ville-St-Michel
Sirfor Textile Printing Inc.	1430 Island St., Montreal
Stanbel Limited	500 Sauvé St. W., Montreal
Supreme Dyeing Co. Ltd.	3028 Lasalle Blvd., Verdun
Tex-Dye Incorporated	2745 Grand Trunk St., Montreal
Textile Colouring & Printers Inc.	425 River St., Verdun
Verdun Dyeing Co. Ltd.	475 Fortune St., Montreal
Winco Reg'd.	18th Ave., St. Michel
Ontario:	
Ajax Textile Processing Co. Ltd.	177 Mills Rd., Ajax
Armstrong Dye Works	84 Simcoe Street West, Hamilton
Atlas (Toronto) Sponging Ltd.	474 Wellington St. W., Toronto
Beau-During Limited	17 Millwick Drive, Weston
Bon-Fur of Canada Ltd.	104 Water St., Galt
Canadiana Textile Print Works Ltd.	1024 Rangview Rd., Port Credit
Cutler Designs Ltd.	126 Geary Ave., Toronto
Duncan Textile Mills	Ceylon
Farquhar & Son Textile Printing Co.	107 Front St. E., Toronto
Gibson Textile Dyers Limited	1171 Queen St. W., Toronto
Hughes & Co. Ltd.	766 King Street West, Toronto 2B
Industrial Creative Arts Ltd.	300 Phillips St., Waterloo
Kroy Unshrinkable Wools Ltd.	53 Shaw St., Toronto
Laminated Textiles Co.	380 Adelaide St. W., Toronto
Matthewman, R.W. & Son Ltd.	227 Sterling Road, Toronto 2
Phoenix Fabric Finishing Co. Ltd.	467 Fairall St., Ajax
Textrol Fibres Ltd.	20 Arthur St. N., Elmira
Toronto Dyeing and Finishing Works Ltd.	376 Dufferin St., Toronto
Trenton Dyeing & Finishing Co. Ltd.	52 Film Street, Trenton
Manitoba:	
Manhattan Displays	771 Selkirk Ave., Winnipeg
British Columbia:	
Suda Textile Printing	151 West Hastings, Vancouver

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (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 135 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 reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. 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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