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# CONSUMPTION OF CONTAINERS AND OTHER PACKAGING SUPPLIES BY THE MANUFACTURING INDUSTRIES

## CONSOMMATION DE CONTENANTS ET AUTRES MATIÈRES D'EMBALLAGE, PAR INDUSTRIE MANUFACTURIÈRE

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INTRODUCTION

For the second consecutive year, we are publishing our report "Consumption of Containers and other Packaging Supplies by the Manufacturing Industries". The data in this issue have been extracted from the Annual Census of Manufactures, 1967.

The figures shown in this report do not include the value of the containers and other packaging supplies used by establishments submitting a short form report. As a rule, their importance is insignificant. This can usually be verified for each manufacturing industry by consulting the table on materials and supplies in the various annual industry reports of the Census of Manufactures. It is further to be noted that the value of containers and other packaging supplies reported by certain industries does not reflect the entire quantity used because some establishments manufacture their own containers and the materials used for their manufacture are reported as raw materials, not as containers purchased. This is important in the case of confectionery manufacturers and in the soap and cleaning compounds industry. Again this year, unfortunately, not all respondents provided the requested breakdown and, as a result, the value of the item "non-specified containers and other packaging supplies" is rather high.

The distribution of the various containers and packaging supplies shown here may differ slightly from that published in the individual industry reports. This is due to corrections made after their publication. It should be noted that the categories listed on the questionnaires vary from industry to industry, in order to limit the breakdown to the major items used in a particular industry. As a consequence, the category "miscellaneous" for a given industry may include items that are specified for other industries.

The total consumption of containers and packaging supplies reached almost \$1 billion in 1967, a 6.6% increase over the previous year. The consumption by the food and beverages group alone accounts for 56% of the total, or \$53,921,000. The fruit and vegetable canners and preservers dominate this group with a consumption valued at more than \$108 million, followed by the miscellaneous food manufacturers with \$59,779,000, the dairy factories with \$55,058,000 and the soft drink manufacturers with \$43,927,000 to name only the largest consumers.

Packaging products most used by Canadian manufacturers are corrugated boxes and cartons. These amount to \$198,441,000 and are almost entirely Canadian-made. The brewery industry is the most important user of corrugated boxes and cartons, with a consumption valued at \$17,908,000. Metal cans rank second, at \$151,288,000 of which \$61,020,000 is accounted for by the fruit and vegetable canners and preservers. They are followed by folding and set-up (rigid) paperboard boxes, at \$110,598,000, and glass bottles, jars and carboys, at \$89,736,000. The amounts shown above are understated because almost 17% of the total containers and packaging supplies used were not specified.

For each dollar spent by Canadian manufacturers for materials and supplies used in their manufacturing activities in 1967, 4.6% went to the purchase of containers and other packaging supplies; this represents a slight increase over the 4.4% of the previous year. Many industries use a minimum of supplies to ship their

Nous vous présentons pour la deuxième année consécutive notre rapport "consommation de contenants et autres matières d'emballage, par industrie manufacturière". Les données que vous trouverez dans cette publication sont extraites du recensement annuel des manufactures de 1967.

Le lecteur voudra bien noter que les chiffres présentés dans ce rapport excluent la valeur des contenants et autres matières d'emballage utilisés par les établissements qui remplissent une formule abrégée. Règle générale, l'importance de ces dernières est minime et peut ordinairement être vérifiée pour chaque industrie manufacturière en consultant le tableau des matières et fournitures des différents rapports annuels du recensement des manufactures. De plus, il arrive parfois que la valeur des contenants et autres matières d'emballage, déclarée par certaines industries, ne reflète pas la totalité utilisée. La raison est que certains établissements fabriquent, comme activité secondaire, leurs propres contenants dont les matériaux utilisés pour leur fabrication sont déclarés comme matières premières et non comme contenants achetés. Cette situation est particulièrement importante chez les manufacturiers de confiseries et les manufacturiers de savons et de composés de nettoyage. Il est regrettable que cette année encore les répondants non pas tous fourni le détail demandé de sorte que la valeur de l'item "contenants et autres matières d'emballage non spécifiés" est passablement élevée.

Il se peut que la répartition des différents contenants et matières d'emballage, apparaissant ici, diffère légèrement de celle publiée dans les rapports individuels des industries. Cependant, il ne faudrait pas s'en étonner car ce n'est que le résultat d'une analyse plus approfondie des données individuelles des industries. Il est à noter que les différentes entrées énumérées sur les questionnaires varient d'une industrie à l'autre afin de restreindre le détail aux items majeurs utilisés dans une industrie individuelle. Il en résulte que l'item "divers" pour une industrie en particulier peut inclure des produits montrés séparément, pour d'autres industries.

La consommation totale des contenants et autres matières d'emballage s'est chiffrée à près d'un milliard de dollars en 1967 ce qui représente une augmentation de 6.6 p. 100 sur l'année précédente. Le groupe des industries des aliments et boissons est responsable à lui seul de 56 p. 100 du total ou de \$53,921,000. De ce groupe l'industrie des conserves et préparations de fruits et légumes domine avec une consommation de plus de \$108,000,000; viennent ensuite les manufacturiers d'aliments divers avec \$59,779,000, les fabriciers laitiers avec \$55,058,000 et les manufacturiers de boissons gazeuses avec \$43,927,000, pour ne nommer que les plus importants consommateurs.

Les principaux produits d'emballage utilisés par les manufacturiers canadiens sont les boîtes en carton ondulé qui se chiffrent à \$198,441,000 et dont la presque totalité est de fabrication canadienne. L'industrie des brasseries est le plus important consommateur de boîtes en carton ondulé avec \$17,908,000. Les boîtes en métal se classent au second rang et des \$151,288,000 qu'elles représentent \$61,020,000 sont utilisées dans l'industrie des conserves et préparations de fruits et légumes. Viennent ensuite les boîtes pliantes et montées avec \$110,598,000 et les bouteilles en verre, pots et bonbonnes à \$89,736,000. Les montants énumérés ci-dessus sont relatifs dû au fait que près de 17 p. 100 du total des contenants et fournitures d'emballage utilisés n'a pas été spécifié.

Pour chaque dollar versé par les manufacturiers canadiens pour l'achat de marchandises ou biens physiques utilisés dans leurs activités manufacturières en 1967, 4.6 p. 100 était consacré à l'achat de contenants et autres matières d'emballage ce qui représente une légère augmentation sur les 4.4 p. 100 de l'année précédente. Un bon nombre d'industries

products. In other industries, however, the consumption of containers and other packaging supplies is very high as illustrated by the following figures:

Industry	A		B	
	Total value of materials and supplies used for manufacturing(1)	\$'000	Value of containers and other packaging supplies	% of A
Manufacturers of toilet preparations .....	42,230	26,978	63.9	
Breweries .....	88,776	40,328	45.4	
Wineries .....	14,141	5,415	38.3	
Distilleries .....	92,940	35,354	38.0	
Fruit and vegetables canners and preservers .....	292,487	108,435	37.1	
Biscuit manufacturers	52,959	17,177	32.4	
Breakfast cereal manufacturers .....	19,813	6,045	30.5	
Confectionery manufacturers .....	99,714	25,052	25.1	
Macaroni manufacturers	14,926	3,738	25.0	
Manufacturers of pharmaceuticals and medicines .....	98,017	24,296	24.8	

(1) Excluding the amount for small establishments not reporting in detail the materials and supplies used.

#### NOTE TO USERS

As explained in detail in the introductory text, the figures shown in the following tables are subject to these limitations:

1. There is no provision on short forms for containers and other packaging supplies.
2. In some industries, establishments make their own containers from raw materials which, therefore, are not reported as such.
3. Not all respondents give the requested breakdown.
4. The item "Miscellaneous" varies from industry to industry because different categories are listed on each questionnaire.

n'utilisent à peu près pas de fournitures d'emballage pour expédier leurs produits. Cependant dans certaines industries la consommation de contenants et autres matières d'emballage est très élevée et pour illustrer ce point nous vous présentons ici les chiffres de quelques industries:

Industrie	A		B	
	Montant total des matières et fournitures utilisées dans la fabrication(1)	\$'000	Montant versé pour l'achat de contenants et autres matières d'emballage	\$'000
Manufacturries de produits de toilette .....	42,230	26,978	63.9	
Brasseries .....	88,776	40,328	45.4	
Industrie du vin .....	14,141	5,415	38.3	
Distilleries .....	92,940	35,354	38.0	
Conserveries et préparations de fruits et légumes ..	292,487	108,435	37.1	
Manufacturiers de biscuits .....	52,959	17,177	32.4	
Manufacturiers de céréales .....	19,813	6,045	30.5	
Manufacturiers de confiserie .....	99,714	25,052	25.1	
Manufacturiers de macaroni .....	14,926	3,738	25.0	
Manufacturiers de produits médicinaux et pharmaceutiques .....	98,017	24,296	24.8	

(1) Exclus le montant des petits établissements ne déclarant pas les matières et fournitures utilisées en détail.

#### NOTES À L'USAGE DES UTILISATEURS

Tel qu'expliqué en détail dans le texte, les chiffres apparaissant aux tableaux suivants sont sujets à ces restrictions:

1. Les formules abrégées ne renferment aucun renseignement sur les contenants et autres matières d'emballage.
2. Dans certaines industries, des établissements manufabrent leurs propres contenants à partir de matières premières et ces derniers ne sont pas déclarés comme tels.
3. Certains répondants oublient de nous donner le détail demandé.
4. L'item "divers" varie d'une industrie à l'autre car les produits énumérés sur chaque questionnaire sont différents.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 1 to 4

S.I.C. Code	Major group	Total consumption - Consommation totale	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, crates, barrels and kegs	Cans, metal	Barrels and drums, metal (one-trip shippers)	Cans and drums, made of paper or fibre		
			Boîtes pliantes et montées	Boîtes en carton ondulé	Boîtes en bois, cageots, barils et barillettes	Boîtes en métal	Barils et cylindres en métal (non- retournable)	Boîtes et barils en papier ou fibre		
thousands of dollars(1)										
<b>1 - FOOD AND BEVERAGE INDUSTRIES</b>										
101	Slaughtering and meat packing plants .....	43,839	3,966	7,686		6,594				
103	Poultry processors .....	10,461	1,623	3,269	1,493	1,138				
105	Dairy factories .....	55,058	14,902	9,961		9,106				
107	Process cheese manufacturers .....	10,914	1,368	1,409						
111	Fish products industry .....	19,362	3,111	3,401	1,603	9,845				
112	Fruit and vegetable canners and preservers .....	108,435	5,446	14,001		61,020				
123	Feed manufacturers .....	15,692		1,434		5,829				
124	Flour mills .....	11,317		1,004		7				
125	Breakfast cereal manufacturers .....	6,045		3,783						
128	Biscuit manufacturers .....	17,177	3,833	4,594						
129	Bakeries .....	34,531	8,153	4,882						
131	Confectionery manufacturers .....	25,053	7,505	4,169						
133	Sugar refineries .....	5,974	356	832						
135	Vegetable oil mills .....	1,522								
1391	Macaroni manufacturers .....	3,738	1,209	1,047		769				
1392	Miscellaneous food manufacturers .....	59,779	8,496	11,978		6,442				
141	Soft drink manufacturers .....	43,927	5,109	1,257		16,308				
143	Distilleries .....	35,354		4,385	4,866		2,228			
145	Breweries .....	40,328		17,908	615	4,061				
147	Wineries .....	5,415	308	581						
	<b>Group 1 - Total .....</b>	<b>553,921</b>	<b>65,385</b>	<b>97,581</b>	<b>8,577</b>	<b>121,119</b>	<b>2,228</b>			
<b>2 - TOBACCO PRODUCTS INDUSTRIES</b>										
151	Leaf tobacco processing .....	1,426			1,366					
153	Tobacco products manufacturers .....	36,344		10,620		1,337				
	<b>Group 2 - Total .....</b>	<b>37,770</b>		<b>10,620</b>	<b>1,366</b>	<b>1,337</b>				
<b>3 - RUBBER INDUSTRIES</b>										
161	Rubber footwear manufacturers .....	1,233	523	573						
163	Rubber tire and tube manufacturers .....	978	117	355		59				
169	Other rubber industries .....	4,625	533	2,143		363		4		
	<b>Group 3 - Total .....</b>	<b>6,836</b>	<b>1,173</b>	<b>3,071</b>		<b>422</b>		<b>4</b>		
<b>4 - LEATHER INDUSTRIES</b>										
172	Leather tanneries .....	183	8	52						
174	Shoe factories .....	3,904	2,168	1,137						
175	Leather glove factories .....	159	22	71						
1792	Boot and shoe findings manufacturers .....	76		20						
1799	Miscellaneous leather products manufacturers .....	1,089	160	621						
	<b>Group 4 - Total .....</b>	<b>5,411</b>	<b>2,358</b>	<b>1,901</b>						

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 1 à 4

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 1 to 4 - Concluded

S.I.C. Code	Major group	Metal and plastic closures (lids and beverage crowns) - - Couvercles en métal et en (plastique et bouchons)	Labels, tags and wrappers - - Étiquettes et papier d'emballage	Twine, tape and glue - - Ficelle, ruban et colle	Plastic containers and lids - - Conteneurs et couver- cles en plastique	Metal staples, strapping and wire - - Crampons, bandes et câble en métal	Crating lumber, wooden pallets and skids - - Bois d'emballage, plates-for- mea mobiles
thousands of dollars(1)							
	1 - FOOD AND BEVERAGE INDUSTRIES						
101	Slaughtering and meat packing plants .....				1,220		
103	Poultry processors .....						
105	Dairy factories .....						
107	Process cheese manufacturers .....						
111	Fish products industry .....						
112	Fruit and vegetable canners and preservers .....						
123	Feed manufacturers .....						
124	Flour mills .....						
125	Breakfast cereal manufacturers .....						
128	Biscuit manufacturers .....						
129	Bakeries .....						
131	Confectionery manufacturers .....						
133	Sugar refineries .....						
135	Vegetable oil mills .....						
1391	Macaroni manufacturers .....						
1392	Miscellaneous food manufacturers .....						
141	Soft drink manufacturers .....						
143	Distilleries .....						
145	Breweries .....						
147	Wineries .....						
	Group 1 - Total .....	1,338	164	6,067	2,835(6)		
		5,635	1,158				
		937					
		5,904					
		488					
		14,302	23,909		2,825		1,240
	2 - TOBACCO PRODUCTS INDUSTRIES						
151	Leaf tobacco processing .....						
153	Tobacco products manufacturers .....					121	7,942
	Group 2 - Total .....					121	7,942
	3 - RUBBER INDUSTRIES						
161	Rubber footwear manufacturers .....				16		
163	Rubber tire and tube manufacturers .....				122		
169	Other rubber industries .....				210		
	Group 3 - Total .....					1	57
						1	57
		348					
	4 - LEATHER INDUSTRIES						
172	Leather tanneries .....				9		
174	Shoe factories .....				205		
175	Leather glove factories .....				14		
1792	Boot and shoe findings manufacturers .....				91		
1799	Miscellaneous leather products manufacturers .....						
	Group 4 - Total .....				319		

See footnote(s) at end of table.

**Consommation en détail des contenants et autres matières d'emballage, Canada, par industries, 1967**

Groupe 1 à 4 - fin

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 5 to 7

S.I.C. Code	Major group	Total consumption	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, crates, barrels and kegs	Cans, metal	Barrels and drums, metal (one-trip shippers)	Cans and drums, made of paper or fibre
		Conso- mation totale	Boîtes pliantes et montées	Boîtes en carton ondulé	Boîtes en bois, cageots, barils et barillettes	Boîtes en métal	Barils et cylindres, en métal (non- retournable)	Boîtes et barils en papier ou fibre
thousands of dollars(1)								
5 - TEXTILE INDUSTRIES								
183 Cotton yarn and cloth mills .....	4,240	54	1,368	33				
193 Wool yarn mills .....	419	31	142					
197 Wool cloth mills .....	427	61	67	54				
201 Synthetic textile mills .....	5,196	508	1,583					
211 Fibre preparing mills .....	178		39					
212 Thread mills .....	928	181						
213 Cordage and twine industry .....	532	39	235					
214 Narrow fabric mills .....	542	47	109					
215 Pressed and punched felt mills .....	156		14					
216 Carpet, mat and rug industry .....	1,117		191					
218 Textile dyeing and finishing plants .....	532	10	194					
219 Linoleum and coated fabrics industry .....	547		129				50	
221 Canvas products industry .....	192		56					
223 Cotton and jute bag industry .....	77		35					
2291 Automobile fabric accessory manufacturers .....	614	20	519					
2292 Embroidery, pleating and hemstitching manufacturers .....	54		11					
2299 Miscellaneous textiles industry, n.e.s. .....	4,392	1,215	1,133				544	
Group 5 - Total .....	20,141	2,166	5,825	87	594			
6 - KNITTING MILLS								
231 Hosiery mills .....	3,005	816	484					
239 Other knitting mills .....	2,814	448	711					
Group 6 - Total .....	5,819	1,264	1,195					
7 - CLOTHING INDUSTRIES								
2431 Men's clothing factories .....	3,433	731	847					
2432 Men's clothing contractors .....	184	47	59					
2441 Women's clothing factories .....	3,049	546	932					
2442 Women's and children's clothing contractors .....	15		4					
245 Children's clothing factories .....	1,215	219	329					
246 Fur goods industry .....	103	3						
247 Hat and cap industry .....	384	84	151					
248 Foundation garment industry .....	1,334	532	147					
2491 Fabric glove manufacturers .....	114	19	38					
2499 Miscellaneous clothing industry, n.e.s. .....	154	63	43					
Group 7 - Total .....	9,985	2,244	2,550					

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 5 à 7

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 5 to 7 - Concluded

S.I.C. Code	Major group	Metal and plastic closures (lids and beverage crowns) Couvercles en métal et en plastique (capsules et bouchons)	Labels, tags and wrappers Étiquettes et papier d'emballage	Twine, tape and glue Ficelle, ruban et colle	Plastic containers and lids Containants et couvercles en plastique	Metal staples, strapping and wire Crampons, bandes et câble en métal	Crating lumber, wooden pallets and skids Bois d'emballage, plates-for-mes mobiles
thousands of dollars(1)							
5 - TEXTILE INDUSTRIES							
183	Cotton yarn and cloth mills .....			308		3	39
193	Wool yarn mills .....			20			
197	Wool cloth mills .....			28			
201	Synthetic textile mills .....			104	2	21	2
211	Fibre preparing mills .....			2	7	2	3
212	Thread mills .....			288			
213	Cordage and twine industry .....			66			
214	Narrow fabric mills .....			139			
215	Pressed and punched felt mills .....			2			
216	Carpet, mat and rug industry .....						
218	Textile dyeing and finishing plants .....			15			
219	Linoleum and coated fabrics industry .....			13			
221	Canvas products industry .....			16			
223	Cotton and jute bag industry .....			7			
2291	Automobile fabric accessory manufacturers .....						
2292	Embroidery, pleating and hemstitching manufacturers .....			1			
2299	Miscellaneous textiles industry, n.e.s. ....						
	Group 5 - Total .....			1,009	9	26	44
6 - KNITTING MILLS							
231	Hosiery mills .....			247			
239	Other knitting mills .....			275			
	Group 6 - Total .....			522			
7 - CLOTHING INDUSTRIES							
2431	Men's clothing factories .....			288			
2432	Men's clothing contractors .....						
2441	Women's clothing factories .....			235			
2442	Women's and children's clothing contractors .....						
245	Children's clothing factories .....			180			
246	Fur goods industry .....						
247	Hat and cap industry .....			27			
248	Foundation garment industry .....			51			
2491	Fabric glove manufacturers .....			16			
2499	Miscellaneous clothing industry, n.e.s. ....			3			
	Group 7 - Total .....			800			

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 5 à 7 - fin

Lead foil, tin foil, aluminum foil -- Feuilles en papier du plumb d'étain et d'aluminium	Cônes, tubes and spools -- Cônes, tubes et bobines	Envelopes -- Enveloppes	Burlap -- Toile d'emballage	Miscel- laneous(7) -- Divers(?)	Not specified -- Non spécifié		Groupe	Code de la C.T.I.
milliers de dollars(1)								
5 - INDUSTRIE TEXTILE								
1,127		336		2	149	Filés et tissus de coton .....	183	
5					112	Filature de la laine .....	193	
2		17			66	Fabriques de tissus de laine .....	197	
1,662		2		(8)	731	Industrie des textiles synthétiques .....	201	
429					7	Préparation des fibres .....	211	
121				(8)	30	Fabrication du fil .....	212	
				(8)	96	Industrie des cordes et ficelles .....	213	
					158	Industrie des tissus étroits .....	214	
					72	Industrie du feutre pressé et du feutre aéré .....	215	
					357	Industrie des tapis et carpettes .....	216	
					73	Teinture et apprêt des textiles .....	218	
					55	Industrie des linoléums et des tissus enduits .....	219	
					16	Industrie de la grosse toile .....	221	
					28	Industrie des sacs de coton et de jute .....	223	
					62	Manufacturiers d'accessoires d'automobile, en tissu .....	2291	
					10	Industrie des broderies, plissage et ourlets à jour .....	2292	
					492	Industrie des textiles divers, n.c.a. .....	2299	
3,346		355		71	2,514	Total du groupe 5 .....		
6 - BONNETERIE								
				5	489	Industrie des bas et chaussettes .....	231	
					301	Industrie des tricots (autres que bas et chaussettes) .....	239	
				5	790	Total du groupe 6 .....		
7 - INDUSTRIE DU VÊTEMENT								
				710	Fabriques de vêtements d'hommes .....	2431		
				36	Entrepreneurs en confection pour hommes .....	2432		
				811	Fabriques de vêtements de femmes .....	2441		
				1	Entrepreneurs en confection pour femmes et enfants .....	2442		
				288	Fabriques de vêtements d'enfants .....	245		
				100	Industrie des articles en fourrure .....	246		
				65	Industrie des chapeaux et casquettes .....	247		
				287	Industrie des corsets et soutiens-gorge .....	248		
				9	Manufacturiers de gants de tissu .....	2491		
				25	Industrie des vêtements divers, n.c.a. .....	2499		
				2,332	Total du groupe 7 .....			

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 8 to 12

S.I.C. Code	Major group	Total consumption -- Consommation totale	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, cartes, barrels and kegs	Cans, metal	Barrels and drums, metal (one-trip shippers)	Cans and drums, made of paper or fibre
			-- Boîtes pliantes at montées	-- Boîtes en carton ondulé	-- Boîtes en bois, cageots barils et barillets	-- Boîtes en métal	-- Barils et cylindres, en métal (non- retournable)	-- Boîtes et barils en papier ou fibre
thousands of dollars (1)								
	8 - WOOD INDUSTRIES							
2511	Shingle mills .....	366		74				
2513	Sawmills and planing mills .....	1,943		7				
252	Veneer and plywood mills .....	1,369	69					
2541	Sash, door and other millwork plants .....	923	2	69		190		
2542	Hardwood flooring .....	146		27				
256	Wooden box factories .....	29		4				
258	Coffin and casket industry .....	76		32				
2591	Wood preservation .....	158						
2592	Wood turning .....	98	28	38				
2599	Miscellaneous wood industries, n.e.s. ....	503	135	159				
	Group 8 - Total .....	5,611	234	410	190	1	9	
	9 - FURNITURE AND FIXTURE INDUSTRIES							
261	Household furniture industry .....	6,900	919	4,508				
264	Office furniture industry .....	1,450	305	916	29			
266	Other furniture industries .....	3,154	255	808				
268	Electric lamp and shade industry .....	576	97	320				
	Group 9 - Total .....	12,080	1,576	6,552	29			
	10 - PAPER AND ALLIED INDUSTRIES							
271	Pulp and paper mills .....	28,246	257	2,120				
272	Asphalt roofing manufacturers .....	2,157		807				664
2731	Folding cartons and set-up boxes manufacturers .....	2,798	191	2,330				
2732	Corrugated boxes manufacturers .....	923	7	58				
2733	Paper and plastic bag manufacturers .....	1,883	262	1,027				
274	Other paper convertars .....	13,634	4,531	5,602				12
	Group 10 - Total .....	49,641	5,248	11,944		421	164	676
	11 - PRINTING, PUBLISHING AND ALLIED INDUSTRIES							
286	Commercial printing .....	4,665	1,355	2,097				
287	Plate making, typesetting and trade bindery plants .....	323	48	74				
288	Publishing only .....	232	50	4				
289	Publishing and printing .....	1,175	58	55				
	Group 11 - Total .....	6,395	1,511	2,230				
	12 - PRIMARY METAL INDUSTRIES							
291	Iron and steel mills .....	6,633		15	845			
292	Steel pipe and tube mills .....	1,012		18				
294	Iron foundries .....	458		53	15			
295	Smelting and refining .....	3,828						18
296	Aluminum rolling, casting and extruding .....	1,429	120	324	283			
297	Copper and alloy rolling, casting and extruding .....	1,152	21	251	641	36		687
298	Metal rolling, casting and extruding, n.e.s. ....	989	67	454	47	47		
	Group 12 - Total .....	15,501	208	1,115	1,831	83	178	687

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

### Groupe 8 à 12

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 8 to 12 - Concluded

S.I.C. Code	Major group	Metal and plastic closures (lids and beverage crowns)	Labels, tags and wrappers	Twine, tape and glue	Plastic containers and lids	Metal staples, strapping and wire	Crating lumber, wooden pallets and skids
		Couvertures en métal et en plastique (capsules et bouchons)	Étiquettes et papier d'emballage	Picelle, ruban et colle	Conteneurs et couver- cles en plastique	Crampons bandes et câble en métal	Bois d'emballage, plates-for- mes mobiles
thousands of dollars(1)							
	8 - WOOD INDUSTRIES						
2511	Shingle mills .....			1		19	
2513	Sawmills and planing mills .....					709	
252	Veneer and plywood mills .....			8	4	458	8
2541	Sash, door and other millwork plants .....			2	3	17	21
2542	Hardwood flooring .....					10	
256	Wooden box factories .....					4	
258	Coffin and casket industry .....						
2591	Wood preservation .....					12	
2592	Wood turning .....					3	
2599	Miscellaneous wood industries, n.e.s. .....					40	5
	Group 8 - Total .....			11	21	1,272	39
	9 - FURNITURE AND FIXTURE INDUSTRIES						
261	Household furniture industry .....			128			
264	Office furniture industry .....					16	
266	Other furniture industries .....			189	10	34	34
268	Electric lamp and shade industry .....			24			5
	Group 9 - Total .....			341	10	34	50
	10 - PAPER AND ALLIED INDUSTRIES						
271	Pulp and paper mills .....			874	11,517	34	1,544
272	Asphalt roofing manufacturers .....				78	16	2
2731	Folding cartons and set-up boxes manufacturers .....				50	22	6
2732	Corrugated boxes manufacturers .....				119	227	127
2733	Paper and plastic bag manufacturers .....				44	11	5
274	Other paper converters .....					15	15
	Group 10 - Total .....			874	11,808	325	1,707
							1,438
	11 - PRINTING, PUBLISHING AND ALLIED INDUSTRIES						
286	Commercial printing .....				150		
287	Plate making, typesetting and trade bindery plants .....				20		
288	Publishing only .....				26		
289	Publishing and printing .....				98		
	Group 11 - Total .....				294		
	12 - PRIMARY METAL INDUSTRIES						
291	Iron and steel mills .....				6		174
292	Steel pipe and tube mills .....				6		26
294	Iron foundries .....				5	3	2
295	Smelting and refining .....						468
296	Aluminum rolling, casting and extruding .....						133
297	Copper and alloy rolling, casting and extruding .....						46
298	Metal rolling, casting and extruding, n.e.s. .....						
	Group 12 - Total .....				17	3	202
							647

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 8 à 12 - fin

Lead foil, tin foil, aluminum foil -- Feuilles en papier de plumb d'étain et d'aluminium	Cones, tubes and spools Cônes, tubes et bobines	Envelopes -- Enveloppes	Burlap -- Toile d'emballage	Miscel- laneous(7) -- Divers(7)	Not specified -- Non spécifié	Groupe	Code de la C.T.I.
milliers de dollars(l)							
8 - INDUSTRIE DU BOIS							
				143 590 321 154 67 7 116 1 79	128 580 (9) 624 32 21 32 19 2 40	Moulins à bardeaux ..... Scieries et ateliers de rabotage ..... Fabriques de placages et contreplaqués ..... Ateliers de portes, châssis et autres bois ouvrés ..... Industrie des parquets en bois dur ..... Fabricues de boîtes en bois ..... Industrie des cercueils ..... Industrie de la conservation du bois ..... Tournage du bois ..... Industries diverses du bois, n.c.a. ....	2511 2513 252 2541 2542 256 258 2591 2592 2599
				1,478	1,478	Total du groupe 8	
9 - INDUSTRIE DU MEUBLE ET DES ARTICLES D'AMEUBLEMENT							
				689 113 839 102		Industrie des meubles de maison ..... Industrie des meubles de bureau ..... Autres industries du meuble ..... Industrie des lampes électriques et des abat-jour .....	261 264 266 268
				2	1,743	Total du groupe 9	
10 - INDUSTRIE DU PAPIER ET PRODUITS CONNEXES							
				6,847 4 59 (8) 249 757	(9) 271 26 302 66 738	Industrie des pâtes et papiers ..... Manufacturiers de papier-toiture asphalté ..... Manufacturiers de cartons pliants et de boîtes montées ..... Manufacturiers de boîtes en carton ondulé ..... Manufacturiers de sacs en papier et en plastique ..... Autres transformations du papier .....	271 272 2731 2732 2733 274
				7,916	1,403	Total du groupe 10	
11 - IMPRIMERIE, ÉDITION ET INDUSTRIES CONNEXES							
				629 87 130 643		Imprimerie commerciale ..... Ateliers de clichage, de composition et de reliure commerciale .. Édition seulement ..... Édition et impression .....	286 287 288 289
				1,489		Total du groupe 11	
12 - INDUSTRIE MÉTALLIQUE PRIMAIRE							
				1,157 829 273	3,495 (9) (9) 2,182 583 165 295	Industrie du fer et de l'acier ..... Fabriques de tubes et tuyaux d'acier ..... Fonderies de fer ..... Fonte et affinage ..... Laminage, moulage et refoulage de l'aluminium ..... Laminage, moulage et refoulage du cuivre et alliages ..... Laminage, moulage et refoulage des métaux, n.c.a. ....	291 292 294 295 296 297 298
				2,259	6,720	Total du groupe 12	

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 13 to 16

S.I.C. Code	Major group	Total consumption	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, crates, barrels and kegs	Cans, metal	Barrels and drums, metal (one-trip shippers)	Cans and drums, made of paper or fibre
		Consolement totale	Boîtes pliantes et montées	Boîtes en carton ondulé	Boîtes en bois, cageots barils et barillets	Boîtes en métal	Barils et cylindres, en métal (non- retournable)	Boîtes et barils en papier ou fibre
thousands of dollars(1)								
	13 - METAL FABRICATING INDUSTRIES (EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT INDUSTRIES)							
301	Boiler and plate works .....	126						
302	Fabricated structural metal industry .....	218						
303	Ornamental and architectural metal industry .....	984						
304	Metal stamping, pressing and coating industry .....	6,942	392	3,202	682			
305	Wire and wire products manufacturers .....	5,718	1,492	1,100	232			
306	Hardware, tool and cutlery manufacturers .....	3,278	809	932	136			110
307	Heating equipment manufacturers .....	1,212	57	661	162			
308	Machine shops .....	370						
309	Miscellaneous metal fabricating industries .....	3,065	717	1,112	662			
	Group 13 - Total .....	21,913	3,467	7,007	1,874			110
	14 - MACHINERY INDUSTRIES (EXCEPT ELECTRICAL MACHINERY)							
311	Agricultural implement industry .....	892						
315	Miscellaneous machinery and equipment manufacturers .....	3,370	29	66	64			
316	Commercial refrigeration and air conditioning equipment manufacturers .....	566	351	1,376	512			
318	Office and store machinery manufacturers .....	539	148	102	163			
	Group 14 - Total .....	5,367	528	1,544	739			
	15 - TRANSPORTATION EQUIPMENT INDUSTRIES							
321	Aircraft and parts manufacturers .....	1,910						
323	Motor vehicle manufacturers .....	1,650						
324	Truck body and trailer manufacturers .....	101						
325	Motor vehicle parts and accessories manufacturers .....	5,579						
326	Railroad rolling stock industry .....	36	1,204	2,421	751			
327	Shipbuilding and repair .....	14						
328	Boatbuilding and repair .....	80						
329	Miscellaneous vehicle manufacturers .....	661		312	7			
	Group 15 - Total .....	10,031	1,204	2,733	758			
	16 - ELECTRICAL PRODUCTS INDUSTRIES							
331	Manufacturers of small electrical appliances .....	2,272						
332	Manufacturers of major appliances (electrical and non-electric) .....	5,482	688	1,388	49			
334	Manufacturers of household radio and television receivers .....	1,057		2,588	639			
335	Communications equipment manufacturers .....	1,385		1,182				
336	Manufacturers of electrical industrial equipment .....	2,800	297	1,040	602			
337	Battery manufacturers .....	2,535	269	861	912			
338	Manufacturers of electric wire and cable .....	1,496	166	498	52			
339	Manufacturers of miscellaneous electrical products .....	2,871	350	206	23			
	Group 16 - Total .....	5,790	2,350	2,164	271			
		24,631	5,177	9,927	2,548			

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 13 à 16

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 13 to 16 - Concluded

S.I.C. Code	Major group	Metal and plastic closures (lids and beverage crowns)	Labels, tags and wrappers	Twine, tape and glue	Plastic containers and lids	Metal staples, strapping and wire	Crating lumber, wooden pallets and skids
thousands of dollars(1)							
	13 - METAL FABRICATING INDUSTRIES (EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT INDUSTRIES)						
301	Boiler and plate works .....						
302	Fabricated structural metal industry .....						
303	Ornamental and architectural metal industry .....						
304	Metal stamping, pressing and coating industry .....				1,517		
305	Wire and wire products manufacturers .....				138		
306	Hardware, tool and cutlery manufacturers .....						
307	Heating equipment manufacturers .....						
308	Machine shops .....						
309	Miscellaneous metal fabricating industries .....						
	Group 13 - Total .....			1,655			
	14 - MACHINERY INDUSTRIES (EXCEPT ELECTRICAL MACHINERY)						
311	Agricultural implement industry .....				12		
315	Miscellaneous machinery and equipment manufacturers .....						
316	Commercial refrigeration and air conditioning equipment manufacturers .....						
318	Office and store machinery manufacturers .....						
	Group 14 - Total .....			12			
	15 - TRANSPORTATION EQUIPMENT INDUSTRIES						
321	Aircraft and parts manufacturers .....						
323	Motor vehicle manufacturers .....						
324	Truck body and trailer manufacturers .....						
325	Motor vehicle parts and accessories manufacturers .....						
326	Railroad rolling stock industry .....						
327	Shipbuilding and repair .....						
328	Boatbuilding and repair .....						
329	Miscellaneous vehicle manufacturers .....						
	Group 15 - Total .....						153
	16 - ELECTRICAL PRODUCTS INDUSTRIES						
331	Manufacturers of small electrical appliances .....						
332	Manufacturers of major appliances (electric and non-electric) .....				162		
334	Manufacturers of household radio and television receivers .....				127		
335	Communications equipment manufacturers .....						
336	Manufacturers of electrical industrial equipment .....						
337	Battery manufacturers .....				170		
338	Manufacturers of electric wire and cable .....				153		
339	Manufacturers of miscellaneous electrical products .....				163		
	Group 16 - Total .....			775			26

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 13 à 16 - fin

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 17 to 19

S.I.C. Code	Major Group	Total consumption -- Consommation totale	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, crates, barrels and kegs	Cans, metal	Barrels and drums metal (one-trip shippers)	Cans and drums, made of paper or fibre -- Boîtes et barils en papier ou fibre
			-- Boîtes pliantes et montées	-- Boîtes en carton ondulé	-- Boîtes en bois, cagots, barils et barillets	-- Boîtes en métal	-- Barils et cylindres en métal (non- retournable)	
thousand of dollars(1)								
	17 - NON-METALLIC MINERAL PRODUCTS INDUSTRIES							
341	Cement manufacturers .....	3,232						
343	Lime manufacturers .....	606						
345	Gypsum products manufacturers .....	909						
347	Concrete products manufacturers .....	824	1	8				
348	Ready-mix concrete manufacturers .....	124						
3511	Clay products manufacturers (from domestic clays) .....	1,042						
3512	Clay products manufacturers (from imported clays) .....	976	131	568				
352	Refractories manufacturers .....	807		183		84		37
353	Stone products manufacturers .....	34						
354	Mineral wool manufacturers .....	1,634		307				
355	Asbestos products manufacturers .....	1,210		530				
3561	Glass manufacturers .....	5,515		4,330	754	98		
3562	Glass products manufacturers .....	1,538	345	663	368			
357	Abrasives manufacturers .....	477	189	170				
359	Other non-metallic mineral products industries .....	622						
	Group 17 - Total .....	19,550	666	6,886	1,122	182		78
	18 - PETROLEUM AND COAL PRODUCTS INDUSTRIES							
3651	Petroleum refining .....	9,482						
3652	Manufacturers of lubricating oils and greases .....	4,097						
369	Other petroleum and coal products industries .....	440	1,041	449				
				213				
				12				
	Group 18 - Total .....	14,019	1,041	674				
	19 - CHEMICAL AND CHEMICAL PRODUCTS INDUSTRIES							
371	Explosives and ammunition manufacturers .....	3,923		1,549				
372	Manufacturers of mixed fertilizers .....	4,245						
373	Manufacturers of plastics and synthetic resins .....	3,087						
376	Manufacturers of pharmaceuticals and medicines .....	24,296						
375	Paint and varnish manufacturers .....	13,659	3,173	2,364				
376	Manufacturers of soap and cleaning compounds .....	29,730	4,746	7,136				
377	Manufacturers of toilet preparations .....	26,978	3,423	2,587				
378	Manufacturers of industrial chemicals .....	13,383						
3791	Manufacturers of printing inks .....	774		91		657		2,799
3799	Other chemical industries, n.e.s. .....	21,665		1,986		654		2,837
						9,012		
	Group 19 - Total .....	141,740	11,342	15,713	64	21,263		6,316
								395

See footnote(s) at end of table.

**Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967**

Groupe 17 à 19

Voir renvoi(s) à la fin du tableau.

**Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967**

**Group 17 to 19 - Concluded**

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 17 à 19 - fin

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 20

S.I.C. Code	Major group	Total consumption -- Consommation totale	Folding and set-up (rigid) boxes, paperboard	Corrugated boxes and cartons	Wooden boxes, crates, barrels and kegs	Cans, metal	Barrels and drums, metal (one-trip shippers)	Cans and drums, made of paper or fibre
thousands of dollars(1)								
20 - MISCELLANEOUS MANUFACTURING INDUSTRIES								
3811	Instrument and related products manufacturers .....	2,725	452	271			349	
3812	Clock and watch manufacturers .....	798	170	188				
3813	Orthopaedic and surgical appliance manufacturers .....	122	75	27				
3814	Ophthalmic goods manufacturers .....	109	8	57				
3815	Dental laboratories .....	55						
382	Jewellery and silverware manufacturers .....	971	404	144				
383	Broom, brush and mop industry .....	1,375	226	400			101	
384	Venetian blind manufacturers .....	9	3	1				
385	Plastics fabricators, n.e.s. ....	6,239	386	4,473	235			
3931	Sporting goods industry .....	959	75	758	4			
3932	Toys and games industry .....	3,325	785	1,755				
395	Fur dressing and dyeing industry .....	38	4	22				
397	Signs and displays industry .....	648	34	263	82			
3981	Button, buckle and fastener industry .....	183	63	48				
3982	Candle manufacturers .....	350	106	137				
3983	Hair goods manufacturers .....	36						
3984	Artificial flowers and feathers manufacturers .....	57	5	39				
3985	Model and pattern manufacturers .....	28		21				
3986	Musical instruments and sound recording industry .....	379	137	101	34			
3988	Typewriter supplies manufacturers .....	146						
3989	Fountain pen and pencil manufacturers .....	1,137	767	72				
3995	Stamp and stencil (rubber and metal manufacturers) .....	47	5	15				
3996	Statuary, art goods, regalia and novelty manufacturers .....	334	51	109				
3997	Umbrella manufacturers .....	43						
3998	Artificial ice manufacturers .....	163						
3999	Other miscellaneous industries .....	682	50	62			3	
Group 20 - Total .....		20,758	3,806	8,963	355	453		
Total Manufacturing .....		987,120	110,598	198,441	19,540	151,288	11,099	2,233

See footnote(s) at end of table.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 20

Voir renvoi(s) à la fin du tableau.

Detailed Consumption of Containers and Other Packaging Supplies, Canada, by Industry, 1967

Group 20 - Concluded

S.I.C. Code	Major group	Metal and plastic closures (lids and beverage crowns) Couvercles en métal et en plastique (capsules et bouchons)	Labels, tags and wrappers Étiquettes et papier d'emballage	Twine, tape and glue Ficelle, ruban et colle	Plastic containers and lids Conteneurs et couvercles en plastique	Metal staples, strapping and wire Crampons bandes et câble en métal	Crating lumber, wooden pallets and skids Bois d'emballage, plates-formes mobiles
							thousands of dollars(1)
<b>20 - MISCELLANEOUS MANUFACTURING INDUSTRIES</b>							
3811	Instrument and related products manufacturers .....						
3812	Clock and watch manufacturers .....						
3813	Orthopaedic and surgical appliance manufacturers .....						
3814	Ophthalmic goods manufacturers .....						
3815	Dental laboratories .....						
382	Jewellery and silverware manufacturers .....						
383	Broom, brush and mop industry .....						
384	Venetian blind manufacturers .....						
385	Plastics fabricators, n.e.s. ....						
3931	Sporting goods industry .....						
3932	Toys and games industry .....						
395	Fur dressing and dyeing industry .....						
397	Signs and displays industry .....						
3981	Button, buckle and fastener industry .....						
3982	Candle manufacturers .....						
3983	Hair goods manufacturers .....						
3984	Artificial flowers and feathers manufacturers .....						
3985	Model and pattern manufacturers .....						
3986	Musical instruments and sound recording industry .....						
3988	Typewriter supplies manufacturers .....						
3989	Fountain pen and pencil manufacturers .....						
3995	Stamp and stencil (rubber and metal manufacturers) .....						
3996	Statuary, art goods, regalia and novelty manufacturers .....						
3997	Umbrella manufacturers .....						
3998	Artificial ice manufacturers .....						
3999	Other miscellaneous industries .....						
Group 20 - Total .....							
				529	366		47
	Total Manufacturing .....	15,190	45,956	368	3,441	3,584	2,917

(1) Totals may not add due to rounding.

(2) Includes some bags.

(3) Bottle expenses.

(4) Includes some corrugated sheets, wrappers, plastic laminated, foil paper.

(5) Cigarette papers.

(6) Includes plastic bottles.

(7) May include containers and packaging supplies specified in this table.

(8) Included in not specified.

(9) Included in miscellaneous.

Consommation en détail des contenants et autres matières d'emballage, Canada, par industrie, 1967

Groupe 20 - fin

(1) Les totaux ne concordent pas nécessairement à cause de l'arrondissement des chiffres.

(2) Inclus quelques sacs.

### (3) Dépenses pour bouteilles.

(4) Inclus des feuilles de carton ondulé, du papier d'emballage, des feuilles de plastique laminées, de feuilles d'aluminium.

(5) Papier à cigarette.

(6) Inclus les bouteilles

(7) Peut inclure des contenants et fourrures

(8) Compris sous non spécifie.  
 (9) Compris sous divers.

(9) Compris sous divers.

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CONSUMPTION OF CONTAINERS AND OTHER PACKAGING SUPPLIES BY THE MANUFACTURING INDUSTRIES -  
CONSOMMATION DE CONTENANTS ET AUTRES MATERES D'EMBALLAGE PAR L'INDUSTRIE MANUFACTURIER - 1967