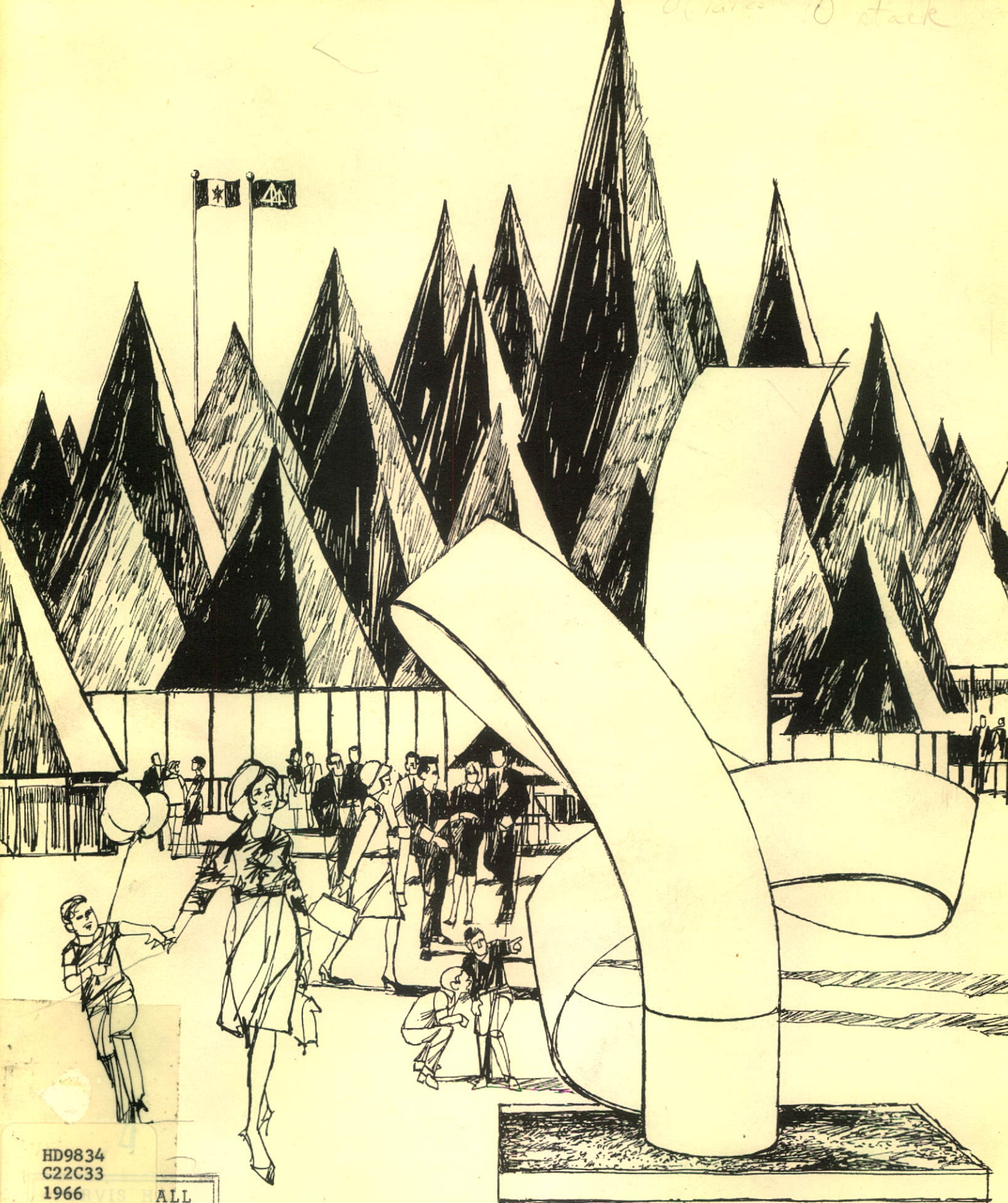




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REFERENCE TABLES

CANADIAN PULP AND PAPER ASSOCIATION

AUGUST 1966

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Introduction

These Reference Tables present each year a statistical review of the Canadian pulp and paper industry, its growth and development, its place in the Canadian economy, and its position in the great world industry of which it forms so significant a part.

The tables indicate that pulp and paper continues to be Canada's leading manufacturing industry. They show, too, that the constant expansion of its production and exports, in response to the rapid growth of world demand, has been and remains a factor of fundamental importance to the continuing growth and prosperity of the Canadian economy.

For the preparation of these tables, grateful acknowledgement is made to L. J. Pouliot, formerly chief of the Forestry Section of the Dominion Bureau of Statistics.

Montreal, August, 1966.

The cover illustration depicts the Canadian Pulp and Paper Pavilion at Expo 67, the world exhibition being held in Montreal from April 28th to October 27th, 1967.

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"A"—FORESTS AND PULPWOOD

Table 1. Forest Extent

	Square Miles
Total Land Area of Canada (excluding rivers and lakes)	3,560,238
NET AREA (excluding rivers and lakes)	
Forested Areas of Canada	1,710,788
All of which, save for 275,800 square miles, lies within the ten provinces.	
Forested Areas Classified as Unproductive	742,842
Small trees in adverse locations not expected to reach merchantable size.	
Productive Forest Areas	967,946
About half of the accessible productive forest area bears trees classified as merchantable (4 inches DBH and over); the remainder is young growth.	

Note: Figures shown are for 1963.

Source: Department of Forestry.

Table 2. Forest Volume

Estimated stands in 000,000's of cubic feet of merchantable timber			
	Conifers	Broad-leaved	Total
Newfoundland	13,719	577	14,296
Prince Edward Island	175	75	250
Nova Scotia	6,469	3,313	9,782
New Brunswick	11,948	4,923	16,871
Quebec	84,371	23,761	108,132
Ontario	66,654	44,915	111,569
Manitoba	9,725	3,121	12,846
Saskatchewan	12,681	10,391	23,072
Alberta	30,897	24,063	54,960
British Columbia	357,132	19,787	376,919
Yukon Territory	7,386	1,770	9,156
Northwest Territories	10,120	3,909	14,029
Canada	611,277	140,605	751,882

Note: Figures shown are for 1963.

Source: Department of Forestry.

Table 3. Forest Consumption

Average Annual Depletion 1954-1963			
Products Utilized:	000's of cu. ft.	% Utilized	% Depleted
Logs and bolts for domestic use	1,664,493	50.6	43.8
Logs and bolts for export	9,297	0.3	0.2
Pulpwood for domestic use	1,176,056	35.7	30.9
Pulpwood for export	123,239	3.7	3.3
Fuelwood and wood for charcoal	263,707	8.0	6.9
Poles and piling and round mining timber	33,431	1.0	0.9
Miscellaneous	21,517	0.7	0.6
	3,291,710	100.0	86.6
Wastage by Forest Fire	509,700		13.4
	3,801,410		100.0

The figure for depletion does not include wastage caused by agencies other than fire, such as insects, diseases, and natural mortality, for which no reliable estimates are available.

Source: Dominion Bureau of Statistics.

Table 4. Forest Holdings

NET AREA (excluding rivers and lakes)				
	Total		Productive	
Occupied Forest Lands:	Sq. Miles	%	Sq. Miles	%
Provincial Crown:				
Leases and licenses	285,812	16.7	214,031	22.1
Permits and sales	4,063	.2	3,963	.4
Other lands	17	*	16	*
	289,892	16.9	218,010	22.5
Federal Crown:				
Leases and licenses	365	*	320	*
Other lands	7,752	.4	3,938	.4
	8,117	.5	4,258	.4
Privately owned:				
Farm woodlots	26,868	1.6	25,274	2.6
Other private lands	69,070	4.0	64,339	6.7
	95,938	5.6	89,613	9.3
Total Occupied Forest Lands	393,947	23.0	311,881	32.2
Unoccupied Forest Lands:				
Provincial Crown	1,021,470	60.0	571,653	59.1
Federal Crown	295,371	17.0	84,412	8.7
Total Unoccupied Forest Lands	1,316,841	77.0	656,065	67.8
Total Forest Lands	1,710,788	100.0	967,946	100.0

*Less than 0.05%.

Note: Figures are for 1963.

Source: Department of Forestry.

Table 5. Depletion and Growth

Pulp and Paper Woodlands

The pulp and paper mills lease some 190,000 square miles of forest, from which they obtain each year approximately two-thirds of their total requirements.

Scientific measurements all reveal that the overall growth in these leased forests exceeds the cut plus all other losses. This excess of growth serves to increase the standing volume of pulpwood which, in most instances, will render the acreage more productive and so permit larger annual harvests to meet the growing needs of the future.

The National Forests

The inventory of productive forests which cover a quarter of Canada's land area, is nearing completion. Simultaneously, a large quantity of new information relating to growth rates in the productive forests is being assembled. Preliminary estimates indicate that annual growth rates over a considerable portion of the productive forests range as high as 25 to 40 cubic feet per acre. On the other hand, the last available estimates of annual depletion on accessible productive forests averaged about 8 cubic feet per acre, including cutting and losses from fire.

Table 6. Wood Measurement

A number of different measures for wood are used in Canada, and they can be related as follows:

A standard **cord** is a stack of wood 4 x 4 x 8 feet, containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

A **cunit** equals 100 cubic feet of solid wood, excluding the bark.

A **unit** is a measure of wood chips. It usually contains between 70 and 75 cubic feet of solid wood.

In the lumber industry, wood usually is measured by the **board foot**. A board foot is equivalent to a board 1 inch thick and one square foot in surface area. The relationship between board measure and cord measure varies in different parts of Canada. Usually, two cords are considered to be equivalent to about 1,000 feet board measure. But this rate also varies with the size and type of wood.

Table 7. Pulpwood Consumption by Pulp and Paper Mills

	Roundwood(a)		Wood Residue(b)		Total	
	Cords	Value(c)	Cords	Value	Cords	Value
1920	2,777,422	\$ 45,404,889	—	—	2,777,422	\$ 45,404,889
1925	3,668,959	48,012,602	—	—	3,668,959	48,012,602
1930	4,741,349	54,788,730	—	—	4,741,349	54,788,730
1935	5,005,083	34,265,329	—	—	5,005,083	34,265,329
1940	7,107,791	62,192,899	7,433e	90,719	7,115,224	62,283,618
1941	7,739,289	72,018,149	39,920e	374,945	7,779,209	72,393,094
1942	7,857,373	83,037,499	41,754e	479,608	7,899,127	83,517,107
1943	7,420,639	91,921,656	45,585e	629,203	7,466,224	92,550,859
1944	7,323,226	103,898,761	52,618e	868,170	7,375,844	104,766,931
1945	7,642,652	121,768,939	46,034e	885,177	7,688,686	122,654,116
1946	8,968,982	155,160,308	95,171	1,706,725	9,064,153	156,867,033
1947	9,751,586	203,738,527	117,041	2,528,179	9,868,627	206,266,706
1948	10,470,687	242,338,302	163,819	2,937,711	10,634,506	245,276,013
1949	10,470,481	240,379,337	154,580	2,157,141	10,625,061	242,536,478
1950	11,434,426	252,664,002	217,438	2,841,753	11,651,864	255,505,755
1951	12,634,426	316,600,016	324,693	8,522,006	12,959,119	325,122,022
1952	11,991,074	334,676,955	317,556	8,242,632	12,308,630	342,919,587
1953	12,109,658	329,087,065	440,040	9,476,414	12,549,698	338,563,479
1954	12,981,008	332,853,603	669,410	11,774,974	13,650,418	344,628,577
1955	13,629,413	340,076,962	802,621	15,541,175	14,432,034	355,618,137
1956	14,031,855	369,263,045	936,370	18,882,759	14,968,225	388,145,804
1957	13,367,088	361,151,710	1,091,805	20,828,204	14,458,893	381,979,914
1958	12,624,165	338,226,407	1,243,108	22,300,804	13,867,273	360,527,211
1959	13,535,051	349,827,131	1,455,651	25,185,120	14,990,702	375,012,251
1960	14,115,996	361,858,672	1,786,257	31,091,512	15,902,253	392,950,184
1961	14,437,456	365,330,191	2,102,563	36,181,817	16,540,019	401,512,008
1962	14,911,436	368,960,268	2,428,737	43,797,018	17,340,173	412,757,286
1963	14,972,116	371,120,472	2,951,206	53,287,998	17,923,322	424,408,470
1964	16,146,802	402,269,643	3,499,831	68,709,876	19,646,633	470,979,519
1965	16,485,949p	n.a.	4,028,917e	n.a.	20,874,866e	n.a.

a: Whole logs and bolts. Figures for 1920-35 include small quantities of wood residue.

b: Sawmill chips, slabs, edgings, reject lumber, veneer cores and other residue.

c: Sum of values reported by pulp mills for roundwood used (delivered price).

p: Preliminary.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 8. Pulpwood Consumption by Provinces, 1964

	Roundwood Cords	Wood Residue Cords(a)
Atlantic		
Provinces	2,679,570	341,620
Quebec	6,228,666	556,689
Ontario	4,065,916	308,531
Prairie Provinces	542,542	1,160
British Columbia	2,630,108	2,291,831
	16,146,802	3,499,831

a: Rough cord equivalents.

Source: Dominion Bureau of Statistics.

Table 9. Pulpwood Consumption by Species, 1964

Roundwood:	Cords	Per Cent
Spruce and Balsam	11,852,487	60.3
Hemlock	1,638,570	8.4
Jack Pine	1,240,924	6.3
Other softwoods	252,315	1.3
Poplar, Aspen and Cottonwood	516,191	2.6
Other hardwoods	646,315	3.3
	16,146,802	82.2
Wood residue	3,499,831	17.8
	19,646,633	100.0

Source: Dominion Bureau of Statistics.

Table 11. Pulpwood Exports

	Roundwood(a)		Wood Residue(b)		Total	
	Cords	Value (c)	Cords	Value	Cords	Value
1920	1,247,404	\$15,778,171	—	—	1,247,404	\$15,778,171
1925	1,423,502	14,168,935	—	—	1,423,502	14,168,935
1930	1,330,466	13,611,617	—	—	1,330,466	13,611,617
1935	1,109,873	7,041,052	—	—	1,109,873	7,041,052
1940	1,551,600	12,521,880	—	—	1,551,600	12,521,880
1945	1,684,421	23,881,928	—	—	1,684,421	23,881,928
1950	1,782,134	33,589,962	89,180	1,177,916	1,871,314	34,767,878
1951	2,893,615	66,077,108	139,297	2,025,834	3,032,912	68,102,942
1952	2,529,353	61,837,059	166,732	2,982,696	2,696,085	64,819,755
1953	1,783,657	42,703,886	196,723	3,155,478	1,980,380	45,859,364
1954	1,826,193	41,900,417	249,289	3,865,265	2,075,482	45,765,682
1955	1,882,784	43,273,977	344,422	5,381,163	2,227,206	48,655,140
1956	1,953,470	44,206,488	350,279	5,587,685	2,303,749	49,794,173
1957	1,800,411	42,331,768	369,572	6,126,999	2,169,983	48,458,767
1958	1,286,479	29,943,516	281,611	4,711,117	1,568,090	34,654,633
1959	1,107,484	25,705,661	246,939	4,031,535	1,354,423	29,737,196
1960	1,151,899	25,839,709	330,492	5,346,648	1,482,391	31,186,357
1961	1,061,048	27,156,575	402,814	6,654,713	1,463,862	33,811,288
1962	1,224,958	28,597,118	412,667	7,135,270	1,637,625	35,732,388
1963	1,113,705	25,903,045	562,115	10,082,286	1,675,820	35,985,331
1964	1,235,416	28,488,688	471,824	8,335,046	1,707,240	36,823,734
1965	1,362,509	33,923,339	348,521	6,992,317	1,711,030	40,915,656

a: Whole logs and bolts.

b: Pulpwood chips only. Exports reported in tons have been converted to rough cords on the basis of two tons per "unit" (of 200 cubic feet of loose chips), 71 cubic feet of solid wood per "unit", and one rough cord equals 85 cubic feet of solid wood.

c: Actual amount received, exclusive of all charges (freight, insurance, handling, etc.)

Source: Dominion Bureau of Statistics.

Table 10. Pulpwood Production

	Roundwood (a)	
	Cords	Value(b)
1920	4,024,826	\$61,183,060
1925	5,092,461	62,181,537
1930	5,977,183	67,529,612
1935	6,095,016	41,195,871
1940	8,716,541	74,731,002
1941	8,396,953	74,878,637
1942	8,723,259	86,946,706
1943	8,987,188	104,183,817
1944	9,643,318	126,851,350
1945	10,973,094	159,450,381
1946	12,384,844	196,624,029
1947	13,657,129	249,911,951
1948	13,814,988	271,560,306
1949	10,308,776	202,544,308
1950	13,424,353	280,837,687
1951	18,156,282	416,196,281
1952	14,755,082	346,802,085
1953	13,545,176	309,011,150
1954	14,739,565	323,800,478
1955	16,087,953	369,476,288
1956	17,469,334	419,470,968
1957	14,967,604	340,235,102
1958	12,764,459	275,153,906
1959	14,357,039	320,244,307
1960	16,612,238	356,916,000
1961	15,474,266	369,663,000
1962	14,615,205	343,443,000
1963	15,511,520	397,023,000e
1964	16,072,595p	430,758,000e
1965	16,008,943p	n.a.

a: Whole logs and bolts. 1920-35, quantity and value estimated on the basis of consumption, plus exports, minus imports. Since 1940, quantity calculated from annual wood cut data for Provincial and Federal Crown Lands, D.B.S. surveys for wood cut on private lands and decennial census data on production of forest products on farm woodlots. No data available on production of wood-residue which is also used for purposes other than making pulp.

b: Unit values obtained from D.B.S. annual surveys are applied to total volume estimates for pulpwood and other forest products.

p: Preliminary.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 12. Pulpwood Imports

	Roundwood (a)	
	Cords	Value(b)
1928	32,674	\$260,244
1930	94,632	870,735
1935	19,940	110,510
1940	47,626	404,903
1945	4,133	57,074
1950	28,220	491,344
1951	46,634	756,278
1952	31,060	559,358
1953	48,805	878,687
1954	105,030	1,657,083
1955	134,917	2,060,005
1956	188,144	2,947,688
1957	179,614	2,858,726
1958	146,835	2,175,702
1959	147,766	2,711,234
1960	227,649	3,770,182
1961	206,726	3,562,891
1962	149,884	2,730,314
1963	129,719	2,437,248
1964	113,644	2,023,789
1965	105,747	2,056,836

a: Whole logs and bolts.

b: Sum of values f.o.b. point of shipment in the countries of export (excluding such charges as freight, insurance, handling, and taxes).

Source: Dominion Bureau of Statistics.

"B"—FROM WOOD TO MARKETS

This section contains a summary of the industry's operations, relating production and markets to the pulpwood harvest.

Table 13. Pulpwood Supply, 1964

	Cords (a)
Roundwood* Production, by Provinces:	
Quebec	6,893,687
Ontario	3,454,598
British Columbia	2,399,154
Other Provinces	3,325,156
Canada	16,072,595p
Pulpwood* Imports	113,644
Total New Supply	16,186,239
Pulpwood* Exports	1,235,416
Wood Used in Canadian Mills:	
Roundwood	16,146,802
Wood Residue (b)	3,499,831
Total Wood Used	19,646,633

*Whole logs and bolts.

(a) Quantities are given in terms of rough or unpeeled wood. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

(b) Residual wood, such as sawmill and veneer mill chips, slabs and edgings, sawdust and butts and cores. The quantity given represents rough cord equivalents.

p: Preliminary.

Source: Dominion Bureau of Statistics.

Table 15. Shipments by Products, 1964

From the 14,305,181 tons of pulp available for conversion or sale in 1964 the following products were manufactured and shipped:				
Wood pulp:	Tons	%	Value	%
Chemical	4,061,651	28.18	\$ 525,790,565	27.53
Mechanical and other grades	350,135	2.43	22,714,331	1.19
Total Wood Pulp(a)	4,411,786	30.61	\$ 548,504,896	28.72
Newsprint (b)	7,377,967	51.20	\$ 887,612,565	46.47
Paperboard	1,287,147	8.93	185,542,744	9.71
Building boards	293,999	2.04	37,405,743	1.96
Book and writing papers	490,838	3.41	138,157,471	7.23
Wrapping papers	342,155	2.38	76,431,478	4.00
Tissue and sanitary papers	99,715	0.69	25,692,808	1.35
Building papers	90,962	0.63	6,443,997	0.34
Special industrial papers and Wet machine boards	16,323	0.11	4,230,354	0.22
Total Paper and Board	9,999,106	69.39	\$1,361,517,160	71.28
Total Shipments of Pulp and Paper (c)	14,410,892	100.00	\$1,910,022,056	100.00
Converted paper products			49,273,900	
By-products and miscellaneous services			30,578,089	
Total Value of Mill Shipments			\$1,989,874,045	
Less adjustment for duplication			5,759,988	
Adjusted value of shipments and work done			\$1,984,114,057	

a: Including shipments to subsidiary or affiliated companies.

b: Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.

c: As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 14. Pulp Supply, 1964

From the 19,646,633 cords of wood used in the mills, the following pulps were manufactured in 1964:

	Tons
Groundwood pulp	6,442,199
Chemical pulp	6,842,890
Other pulp (a)	456,695
Total Wood Pulp Production	13,741,784
Wood Pulp imports	75,213
	13,816,997

In addition to wood pulp, the following fibrous materials were used in 1964 in the production of certain grades of paper and paperboard:

Rag, cotton and flax waste and sweepings, and cotton linters	15,342
Old and waste paper and broke (purchased)	485,331
Other paper stock(b)	14,702e
Total Other Stock Used	515,375

Total Stock	14,332,372
Pulp inventories at pulp and paper mills at the beginning of the year	136,108e

Total	14,468,480e
Less pulp inventories at pulp and paper mills at the end of the year	163,299e

Sold, or converted into paper, paperboard and other board	14,305,181e
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(a) Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

(b) Includes purchased side-runs, flax fibre, fibre and leather scrap, manilla stock, etc.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 16. Shipments by Areas, 1964

	Tons	%	Value	%
Total shipments of pulp, paper and paperboard(a)	14,410,892	100.00	\$1,910,022,056	100.00
Used in Canada	3,442,343	23.89	545,944,149	28.58
Exported to: (b)				
United States	8,566,027	59.44	1,058,789,939	55.43
United Kingdom	1,016,913	7.06	129,790,773	6.80
Japan	255,493	1.77	31,945,646	1.67
Australia and New Zealand	197,239	1.37	28,956,598	1.52
Central America and Antilles	141,333	0.98	18,038,904	0.94
South America	225,435	1.56	27,731,693	1.45
Western Europe	326,216	2.26	38,880,027	2.04
All Others	239,893	1.67	29,944,327	1.57

a: As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

b: Paper products for which tonnage not available, valued at \$4,563,442, excluded.

Source: Dominion Bureau of Statistics.

Table 17.

Pulp, Paper, Paper Products, and Pulpwood Exports 1965

PULP —	Total Exports		To U.S.A.		To United Kingdom		To Other Countries	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Dissolving and Special Alpha (Sulphite and Sulphate)	384,802	69,547,346	294,534	54,267,557	27,022	4,719,717	63,246	10,560,072
Sulphate — Paper Grades	2,245,101	291,412,464	1,675,357	221,530,000	115,851	14,826,168	453,893	55,056,296
Bleached	1,654,917	227,462,487	1,279,568	179,091,802	78,612	10,626,900	296,737	37,743,785
Semi-bleached	223,293	26,602,066	115,951	14,067,812	20,726	2,366,758	86,616	10,167,496
Unbleached	366,891	37,347,911	279,838	28,370,386	16,513	1,832,510	70,540	7,145,015
Sulphite — Paper Grades	891,410	109,901,044	650,505	81,760,046	126,521	15,645,734	114,384	12,495,264
Bleached	628,316	81,976,819	529,758	69,169,827	50,888	6,942,271	47,670	5,864,721
Unbleached — Strong	216,603	22,716,770	119,946	12,505,914	36,123	4,180,923	60,534	6,029,933
Unbleached — News Grade	46,491	5,207,455	801	84,305	39,510	4,522,540	6,180	600,610
Total Chemical	3,521,313	\$ 470,860,854	2,620,396	\$ 357,557,603	269,394	\$ 35,191,619	631,523	\$ 78,111,632
Mechanical	313,235	20,742,858	183,552	12,725,920	74,578	4,760,485	55,105	3,256,453
Bleached	7,506	596,137	7,506	596,137	—	—	—	—
Unbleached	305,729	20,146,721	176,046	12,129,783	74,578	4,760,485	55,105	3,256,453
Other Pulp	13,005	1,801,407	7,597	1,048,095	3,189	452,075	2,219	301,237
Screenings	5,052	96,266	5,052	96,266	—	—	—	—
Chemical	1,071	38,702	1,071	38,702	—	—	—	—
Mechanical	3,981	57,564	3,981	57,564	—	—	—	—
Total Miscellaneous	331,292	\$ 22,640,531	196,201	\$ 13,870,281	77,767	\$ 5,212,560	57,324	\$ 3,557,690
TOTAL PULP	3,852,605	\$ 493,501,385	2,816,597	\$ 371,427,884	347,161	\$ 40,404,179	688,847	\$ 81,669,322
NEWSPRINT PAPER —								
Standard	7,189,760	869,585,504	6,112,414	735,611,221	235,372	46,931,856	841,974	87,042,427
Mutilated	61,300	3,848,808	36,598	2,265,779	4,390	251,574	20,312	1,331,455
TOTAL NEWSPRINT	7,251,060	\$ 873,434,312	6,149,012	\$ 737,877,000	239,762	\$ 47,183,430	862,286	\$ 88,373,882
OTHER PAPER —								
Wrapping Paper	28,681	5,347,829	8,980	2,130,347	16,090	2,475,414	3,611	742,068
Bleached Sulphite and Sulphate	8,841	2,099,955	7,337	1,687,582	988	278,710	516	133,663
Unbleached Sulphite and Sulphate	15,908	2,505,944	1,067	230,878	12,022	1,721,973	2,819	553,093
Wrapping — n.o.p.	3,932	741,930	576	211,887	3,080	474,731	276	55,312
Book and Writing Paper	129,635	24,749,051	83,499	13,481,844	22,735	4,762,219	23,401	6,504,988
Groundwood Printing — n.o.p.	86,196	13,921,640	74,434	11,639,043	8,143	1,433,124	3,619	849,473
Book — n.o.p.	12,872	2,275,748	6,989	1,040,593	4,998	950,243	885	284,912
Writing and Reproduction	27,713	7,791,145	2,062	796,412	9,529	2,349,733	16,122	4,645,000
Fine Paper — n.o.p.	2,854	760,518	14	5,796	65	29,119	2,775	725,603
Paperboard	187,178	21,594,263	10,370	1,436,584	141,534	16,500,157	35,274	3,657,522
Liner Board	123,130	14,400,601	320	31,065	104,581	12,131,004	18,229	2,238,532
Container Board — n.o.p.	46,580	4,318,661	52	5,970	30,062	3,016,917	16,466	1,295,774
Solid Bleached and Folding Box-board	6,566	1,305,743	38	5,466	6,509	1,296,193	19	4,084
Set-up Boxboard — n.o.p.	4,917	749,591	4,710	720,799	139	18,631	68	10,161
Pulpboard for Building Board	32	4,400	32	4,400	—	—	—	—
Wet Machine Board	1,031	294,143	717	210,076	25	8,847	289	75,220
Paperboard — n.o.p.	4,922	521,124	4,501	458,808	218	28,565	203	33,751
Building Board	57,931	6,006,930	52,431	5,232,150	1,218	189,339	4,282	585,441
Rigid Insulating Board	14,710	1,774,520	11,893	1,330,400	620	89,355	2,197	354,765
Hardboard	41,500	4,033,830	40,153	3,859,279	535	90,217	812	84,334
Building Board — n.o.p.	1,721	198,580	385	42,471	63	9,767	1,273	146,342
Building Paper	15,232	1,475,219	6,431	854,771	984	76,896	7,817	543,552
Tissue Paper, except Sanitary	210	62,735	98	36,010	50	11,320	62	15,405
Sanitary Paper	11,982	2,757,468	754	183,937	4,524	1,110,859	6,704	1,462,672
Hanging Paper	1,007	157,039	871	141,306	68	7,173	68	8,560
Special Industrial Paper	2,466	454,465	143	49,563	1,991	319,779	332	85,123
Coated Paper, except Machine Coated	1,439	679,117	597	289,274	240	141,710	602	248,133
Waste Paper — n.o.p.	60,898	2,961,837	60,160	2,890,666	—	—	738	71,171
TOTAL OTHER PAPER	496,659	\$ 66,245,953	224,334	\$ 26,726,452	189,434	\$ 25,594,866	82,891	\$ 13,924,635
PAPER PRODUCTS —								
Paper Bags and Multiwall Sacks	—	678,977	—	52,559	—	8,975	—	617,443
Paper Containers and Parts — n.o.p.	—	1,320,421	—	515,897	—	18,887	—	785,637
Wall Paper — Printed	—	1,831,818	—	1,209,584	—	28,358	—	593,876
Packaged Toilet Paper	2,285	631,003	2	623	291	90,199	1,992	540,181
Notebooks, Scribbles and Pads	—	199,393	—	8,707	—	180	—	190,506
Stationery, Paper Office Supplies, n.e.s.	—	766,807	—	238,284	—	39,574	—	488,949
Converted Paper — n.o.p.	3,886	3,342,655	2,363	1,093,390	663	1,019,118	860	1,230,147
Paper End Products — n.o.p.	—	144,642	—	76,634	—	33,267	—	34,741
TOTAL, PAPER PRODUCTS	6,171	\$ 8,915,716	2,365	\$ 3,195,678	954	\$ 1,238,558	2,852	\$ 4,481,480
TOTAL PULP, PAPER AND PAPER PRODUCTS	11,606,495	\$ 1,442,097,366	9,192,308	\$ 1,139,227,014	777,311	\$ 114,421,033	1,636,876	\$ 188,449,319
PULPWOODS —								
Pulpwood (b)	1,249,833	\$ 33,923,339	733,524	\$ 16,546,653	89,373	\$ 3,095,872	426,936	\$ 14,280,814
Chips	834,488	\$ 6,992,317	779,329	\$ 6,594,827	—	—	55,159	\$ 397,490
GRAND TOTAL	—	\$ 1,483,013,022	—	\$ 1,162,368,494	—	\$ 117,516,905	—	\$ 203,127,623

NOTE: Because quantities reported in hundredweights have been converted into tons, breakdowns by grades or countries do not always cross-add.

(a) Weight of most paper products is unavailable.

(b) Peeled and unpeeled cords.

n.o.p.: Not otherwise provided for.

Source: Dominion Bureau of Statistics.

"C"—PULP

Table 18.

Wood Pulp Production

Tons	Dissolving & Special Alpha	Sulphite	Sulphate	Mechanical	Defibrated & Exploded	Other Wood-Pulp	Screenings	Total
1920		654,273	188,487	1,090,114		27,228		1,960,102
1925		842,785	241,252	1,621,917		1,189		2,772,507
1930		1,076,804	175,449	2,283,130		12,804	65,364	3,619,345
1935		1,018,977	236,536	2,504,595		20,887	87,346	3,868,341
1940		1,480,545	371,569	3,305,484		27,698	105,466	5,290,762
1941		1,664,516	426,743	3,494,922		31,033	103,633	5,720,847
1942		1,753,453	459,254	3,260,097		33,731	99,926	5,606,461
1943		1,712,571	441,421	2,998,913		34,034	85,891	5,272,830
1944	235,417	1,374,212	467,726	3,076,296		31,814	85,672	5,271,137
1945	233,826	1,405,858	478,740	3,341,920		48,396	92,074	5,600,814
1946	271,563	1,558,454	562,233	3,997,848	48,009	42,150	135,153	6,615,410
1947	306,927	1,720,605	689,435	4,275,269	52,613	57,234	151,588	7,253,671
1948	340,946	1,797,065	815,076	4,413,513	65,636	89,848	152,995	7,675,079
1949	262,972	1,728,487	855,784	4,718,806	75,403	86,224	125,322	7,852,998
1950	335,736	1,875,037	1,053,588	4,910,803	88,962	103,039	105,849	8,473,014
1951	408,969	2,135,863	1,216,907	5,172,465	113,166	137,268	130,211	9,314,849
1952	383,645	1,994,450	1,092,038	5,175,319	109,727	105,826	107,004	8,968,009
1953	430,551	1,967,992	1,205,628	5,122,597	125,443	126,484	98,368	9,077,063
1954	426,638	2,180,653	1,386,127	5,337,610	113,266	125,529	103,193	9,673,016
1955	402,283	2,414,555	1,470,927	5,466,925	139,136	155,026	101,695	10,150,547
1956	402,635	2,561,470	1,596,658	5,723,002	170,954	183,582	95,443	10,733,744
1957	341,927	2,396,654	1,705,806	5,574,233	152,679	171,871	82,125	10,425,295
1958	330,672	2,143,099	1,896,006	5,375,499	167,720	156,753	67,705	10,137,454
1959	390,836	2,129,589	2,234,039	5,655,701	173,619	173,156	75,260	10,832,200
1960	392,392	2,291,850	2,441,784	5,880,529	157,706	223,971	73,257	11,461,489
1961	373,085	2,414,612	2,697,016	5,878,322	135,665	207,866	72,599	11,779,165
1962	477,803	2,406,289	2,926,256	5,891,511	146,656	217,457	66,535	12,132,507
1963	429,104	2,566,020	3,135,779	5,849,543	159,576	246,952	87,133	12,474,107
1964	456,106	2,872,084	3,420,320	6,442,199	184,728	289,754	82,593	13,741,784
1965e	467,046	2,940,499	3,883,117	6,840,155	174,640	185,587	78,686	14,569,730

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 19.

Wood Pulp Annual Capacity

January 1st	Dissolving & Special Alpha	Sulphate				Mechanical (a)	Other (b)	Total
		Sulphite Bleached	Unbleached	Bleached & Semi-bleached	Unbleached			
1949	(c)	777,870	1,662,197	412,635	546,240	5,324,023	177,074	8,900,039
1950	(c)	790,190	1,669,872	437,285	586,460	5,398,099	177,381	9,059,287
1951	(c)	806,130	1,653,697	491,384	634,050	5,527,652	212,971	9,325,884
1952	(c)	929,330	1,789,770	597,211	659,171	5,715,556	207,866	9,898,904
1953	511,404	488,421	1,804,723	558,389	650,864	5,853,515	222,480	10,089,796
1954	512,200	542,030	1,711,787	694,123	675,701	5,969,205	256,247	10,361,293
1955	513,750	585,568	1,765,429	734,129	730,557	6,094,396	304,448	10,728,277
1956	486,440	653,086	1,822,921	754,335	733,214	6,198,748	305,555	10,954,299
1957	503,727	675,940	1,908,476	850,418	955,405	6,472,420	333,393	11,699,779
1958	493,422	688,970	1,978,916	1,382,142	967,385	7,065,227	365,313	12,941,375
1959	507,225	712,470	1,959,206	1,306,080	1,023,878	7,154,472	369,147	12,032,478
1960	421,910	687,774	1,974,296	1,422,455	1,033,199	7,204,437	393,664	13,137,735
1961	374,740	827,850	1,997,355	1,775,575	1,076,389	7,122,230	329,838	13,503,977
1962	431,320	807,342	2,083,000	1,837,542	1,182,286	7,267,236	310,918	13,919,644
1963	441,626	950,861	2,168,502	2,071,618	1,258,227	7,358,019	310,320	14,559,173
1964	480,077	998,655	2,187,800	2,507,409	1,255,811	7,476,920	328,086	15,234,758
1965	522,332	977,083	2,224,270	2,531,273	1,260,080	7,874,329	361,966	15,751,333
1966	492,459	953,344	2,318,045	3,262,378	1,520,967	8,205,909	354,426	17,107,528

a: Groundwood, Defibrated and Exploded pulp and Groundwood screenings.

b: Soda and Semi-chemical pulps and Chemical screenings prior to 1965; Semi-chemical pulp and Chemical screenings since 1965.

c: Included with Sulphite and Sulphate.

Source: Canadian Pulp and Paper Association estimates.

Table 20.

Wood Pulp Exports, by Grades

	Dissolving & Special Alpha Tons	Sulphite Tons	Sulphate Tons	Mechanical Tons	Other Wood-Pulp† Tons	Screenings Tons	All Grades Tons	\$
1920		382,495	133,146	304,344			819,985	76,383,978
1925		451,441	149,722	360,204		24,526	961,367	47,931,905
1930		436,522	86,091	208,758	5,187	23,662	760,220	39,059,979
1935		411,817	96,954	124,055	10,709	18,940	662,475	27,625,730
1940		708,806	136,052	204,090	12,334	7,234	1,068,516	60,930,149
1941		919,737	185,365	271,162	16,682	18,779	1,411,725	85,897,736
1942		1,013,505	181,325	278,365	18,757	18,794	1,510,746	95,266,873
1943		1,056,487	183,291	272,900	19,892	23,887	1,556,457	100,012,775
1944	210,565e	749,732e	178,876	236,545	17,269	15,094	1,408,081	101,563,024
1945	214,816e	728,058e	181,015	273,906	21,771	14,961	1,434,527	106,054,911
1946	244,879*	661,833	204,769	268,290	19,667	19,120	1,418,558	114,020,659
1947	292,125*	726,683	316,711	319,160	21,867	22,166	1,698,712	177,802,612
1948	309,270*	757,264	389,599	296,520	25,316	20,029	1,797,998	211,564,384
1949	243,095*	586,881	470,160	206,800	27,471	14,299	1,548,706	170,675,310
1950	290,356*	678,984	581,994	247,556	33,059	14,194	1,846,143	208,555,549
1951	363,145*	799,215	709,467	322,706	32,958	15,816	2,243,307	365,132,884
1952	339,407*	661,800	644,923	254,716	28,984	10,752	1,940,582	291,863,498
1953	382,960*	589,548	705,659	228,467	34,914	8,604	1,950,152	248,674,880
1954	368,527*	686,325	844,759	232,230	37,923	10,652	2,180,416	271,418,005
1955	330,132*	828,698	892,138	261,995	41,288	11,882	2,366,133	297,304,069
1956	303,423*	818,298	916,397g	274,741	44,950	16,204	2,374,013	304,536,497
1957	275,385*	691,284	1,015,843g	247,616	42,802	9,726	2,282,656	292,406,102
1958	218,406*	579,410	1,148,865g	232,782	32,398	7,453	2,219,314	285,448,649
1959	272,550*	512,731	1,376,409g	240,474	38,285	9,578	2,450,027	311,252,798
1960	242,001*	603,905	1,466,239g	235,445	43,206	10,662	2,601,458	325,121,572
1961	307,232	634,398	1,634,604	236,022	45,663	10,926	2,868,845	346,660,713
1962	355,321	704,683	1,681,066	260,253	33,858	9,277	3,044,458	369,902,423
1963	372,069	786,492	1,883,355	247,956	40,991	8,629	3,339,492	405,292,428
1964	401,697	885,169	2,018,268	285,534	38,697	6,916	3,636,281	460,853,921
1965	384,802	891,410	2,245,101	313,235	13,005	5,052	3,852,605	493,501,385

*: Sulphite only.

†: Includes soda and unspecified grades.

e: Canadian Pulp and Paper Association estimated breakdown of bleached sulphite exports.

g: Includes sulphate dissolving pulp.

Source: Dominion Bureau of Statistics.

Table 21.

Wood Pulp Exports, by Areas

Tons	United States	Other America	United Kingdom	Other Europe	Japan	Other Asia	Africa	Australia & New Zealand	All Countries
1920	630,521	2,670	120,074	41,843	20,352	3,198	—	1,327	819,985
1925	823,857	—	72,187	19,104	45,858	—	—	361	961,367
1930	646,996	1,626	22,580	33,034	53,802	1,837	—	345	760,220
1935	530,671	2,089	51,890	28,725	42,773	5,992	18	317	662,475
1940	825,268	5,393	176,218	22,566	26,857	830	695	10,689	1,068,516
1941	1,108,845	14,061	265,977	1,589	4,590	1,384	470	14,809	1,411,725
1942	1,197,425	10,616	294,056	1,080	—	140	58	7,371	1,510,746
1943	1,269,043	20,877	263,392	1,308	—	—	—	1,837	1,556,457
1944	1,077,811	16,201	292,808	306	—	3,125	185	17,645	1,408,081
1945	1,093,631	15,566	290,885	2,537	—	2,254	126	29,528	1,434,527
1946	1,252,648	14,210	119,873	16,746	—	1,635	72	13,274	1,418,558
1947	1,499,302	13,713	136,976	29,844	—	2,731	28	16,118	1,698,712
1948	1,590,674	10,487	170,596	11,902	2,313	797	—	11,229	1,797,998
1949	1,304,774	5,518	173,745	49,757	11,249	119	—	3,544	1,548,706
1950	1,694,444	10,990	117,920	11,389	4,837	682	500	5,381	1,846,143
1951	1,831,411	32,068	217,251	91,798	61,515	660	224	8,380	2,243,307
1952	1,588,979	32,395	210,685	64,612	30,158	2,913	—	10,840	1,940,582
1953	1,599,491	13,527	214,951	50,274	60,274	6,619	548	4,468	1,950,152
1954	1,669,782	60,113	270,946	101,461	44,245	28,335	2,261	3,273	2,180,416
1955	1,868,804	42,941	280,575	113,418	36,916	18,204	1,957	3,318	2,366,133
1956	1,919,634	24,546	244,163	81,858	84,443	12,963	1,599	4,807	2,374,013
1957	1,847,365	24,669	225,483	75,040	80,439	20,177	1,722	7,761	2,282,656
1958	1,832,520	37,689	216,147	70,581	22,464	29,261	1,897	8,755	2,219,314
1959	1,966,481	64,366	217,336	79,311	47,301	59,436	2,385	13,411	2,450,027
1960	1,999,755	76,421	282,748	128,637	19,999	60,665	1,337	31,896	2,601,458
1961	2,176,585	151,564	278,846	120,640	20,616	83,383	11,810	25,401	2,868,845
1962	2,398,802	91,328	251,742	147,540	52,521	75,951	2,951	23,623	3,044,458
1963	2,505,670	81,028	279,834	208,019	166,521	54,818	3,625	39,977	3,339,492
1964	2,676,940	82,315	338,663	269,579	179,725	43,987	6,138	38,934	3,636,281
1965	2,816,597	84,552	347,161	289,798	204,079	31,308	10,799	68,311	3,852,605

NOTE: Quantities reported in hundredweights have been converted to the nearest ton for each country and for each grade. For this reason the sum of exports by areas may differ slightly from the sum of exports by grades.

Calendar year figures for 1920-1935 calculated from quarterly and annual reports for fiscal years ending March 31st. Total exports and exports to United States and United Kingdom are exact but exports to other areas have been partly estimated.

Source: Dominion Bureau of Statistics.

Table 22. Canadian Wood Pulp in U.S. Market

Year	U.S. Pulp Production Tons	U.S. Imports Tons	Imports to Production %	U.S. Imports from Canada Tons	% of total U.S. Imports
1925	3,962,217	1,663,614	41.99	786,679	47.29
1930	4,630,308	1,830,217	39.53	735,864	40.21
1935	4,925,669	1,933,249	39.25	541,078	27.99
1940	8,959,559	1,224,570	13.67	828,330	73.66
1941	10,375,422	1,157,886	11.16	1,144,667	98.86
1942	10,783,430	1,236,519	11.52	1,236,519	100.00
1943	9,680,462	1,305,549	13.49	1,305,549	100.00
1944	10,108,443	1,071,864	10.60	1,071,874	100.00
1945	10,167,200	1,754,065	17.25	1,081,804	61.67
1946	10,606,527	1,805,488	17.02	1,245,154	68.96
1947	11,945,864	2,322,460	19.44	1,528,767	65.83
1948	12,872,292	2,176,111	16.91	1,600,721	73.56
1949	12,207,279	1,763,102	14.44	1,313,884	74.52
1950	14,848,951	2,385,181	16.06	1,717,035	71.99
1951	16,524,408	2,360,706	14.29	1,876,505	79.49
1952	16,472,979	1,941,259	11.78	1,581,214	81.45
1953	17,537,297	2,157,574	12.30	1,613,665	74.79
1954	18,302,273	2,051,798	11.21	1,679,448	81.85
1955	20,739,696	2,213,353	10.67	1,864,721	84.25
1956	22,130,949	2,334,253	10.55	1,956,592	83.82
1957	21,800,209	2,106,681	9.66	1,840,048	87.34
1958	21,795,652	2,101,787	9.64	1,819,301	86.56
1959	24,383,391	2,431,433	9.97	1,975,391	81.24
1960	25,315,589	2,381,487	9.41	2,031,941	85.32
1961	26,522,759	2,466,770	9.30	2,199,608	89.17
1962	27,908,330	2,788,281	9.99	2,435,205	87.34
1963	29,439,097	2,774,778	9.43	2,531,881	91.25
1964	31,911,056	2,942,303	9.22	2,701,656	91.82
1965	33,295,727	3,137,097	9.42	2,820,332	89.90

Source: U.S. Pulp Producers Association.

Table 23. Average Value Per Ton of U.S. Pulp Imports from Canada

	Dissolving & Special Chemical Grades*	Bleached Sulphite Paper Grades	Unbleached Sulphite	Bleached Sulphate Paper Grades†	Unbleached & Semi-bl. Sulphate	Mechanical
1937	\$ 71.82	\$ 57.21	\$ 41.47	\$ 66.83	\$ 41.10	\$19.23
1938	86.65	53.16	37.97	67.28	47.24	22.50
1939	74.82	48.42	36.40	58.87	48.84	24.26
1940	78.45	61.88	48.84	74.81	58.18	28.05
1941	82.04	67.37	53.86	80.64	57.84	28.25
1942	81.22	68.21	56.09	84.55	61.08	34.57
1943	84.47	69.69	57.89	85.72	62.94	32.28
1944	92.68	78.38	65.99	85.85	66.77	38.31
1945	93.89	79.49	67.51	85.77	69.25	40.10
1946	109.74	87.19	76.80	93.48	77.98	45.30
1947	136.49	123.41	103.06	120.65	104.58	59.76
1948	152.39	134.01	112.90	146.02	122.82	63.63
1949	149.55	116.03	98.28	123.68	99.47	57.69
1950	149.59	115.54	93.01	122.44	92.31	55.74
1951	176.89	152.79	129.97	167.50	148.42	81.06
1952	182.13	148.44	135.01	160.05	132.24	76.80
1953	181.17	134.55	111.17	135.82	106.36	73.36
1954	176.42	133.86	108.00	133.39	109.53	74.20
1955	177.46	136.13	114.23	138.74	113.13	74.47
1956	178.28	142.17	118.27	142.71	115.73	75.61
1957	187.70	147.66	122.06	144.65	109.02	74.67
1958	180.07	150.84	124.74	144.26	103.20	74.60
1959	186.22	147.72	126.51	145.20	102.76	74.54
1960	172.34	141.65	115.77	140.66	109.42	74.77
1961	156.16	136.71	110.18	132.48	117.70	73.58
1962	159.68	126.57	107.27	128.10	111.93	69.66
1963	163.11	122.54	105.38	128.49	116.75	66.29
1964	169.34	128.91	108.54	135.71	124.60	69.51

*Sulphite only prior to 1955; Sulphite and Sulphate from 1955.

†Includes Dissolving and Special Chemical Grades of Sulphate prior to 1955.

Source: United States Pulp Producers Association.

Table 24. Imports of Wood Pulp

Year	Sulphite Paper Grades Bleached Tons	Unbleached Tons	Dissolving & Special Alpha Tons	Sulphate Paper Grades Bleached Tons	Unbleached Tons	Mechanical Tons	Other Wood-Pulp Tons	All Kinds Tons	\$
1920	50	13,162	(a)	3,587	—	3,586	757	21,142	1,940,461
1925	320	20,484	—	—	—	1,353	1,266	23,423	1,274,542
1930	1,291	12,937	—	1,672	—	2,604	22	18,526	826,862
1935	106	16,104	—	—	—	117	51	16,378	534,358
1940	1,661	18,009	—	159	—	142	25	19,996	814,387
1941	1,031	16,047	—	—	—	3,575	—	20,653	1,069,953
1942	1,861	19,589	—	—	—	—	—	21,450	1,298,521
1943	3,046	18,616	—	—	—	—	—	21,662	1,452,133
1944	3,391	10,356	—	—	—	—	—	13,747	1,100,412
1945	2,999	10,758	—	—	—	753	—	14,510	1,166,078
1946	4,121	10,295	—	—	—	55	—	14,471	1,290,956
1947	4,963	22,121	—	—	—	1,242	—	28,326	3,068,086
1948	5,290	25,295	—	150	—	2,269	—	33,004	3,799,597
1949	8,824	23,979	—	2,199	—	362	68	35,432	3,616,750
1950	7,245	25,941	—	2,185	—	1,185	27	36,583	3,692,274
1951	5,061	25,758	—	4,047	—	1,548	2	36,416	4,546,204
1952	6,985	27,678	—	4,530	—	15,396	—	54,589	5,499,093
1953	6,792	26,573	—	7,473	—	2,546	—	43,384	5,099,802
1954	7,477	28,630	—	11,593	—	3,991	—	51,691	5,849,899
1955	13,138	33,431	—	12,932	—	135	—	59,636	6,989,204
1956	12,164	38,697	—	13,043	—	—	—	63,904	8,117,220
1957	14,923	31,700	—	18,261	—	—	—	64,884	8,345,109
1958	12,764	22,057	—	18,923	—	25	—	53,769	7,345,662
1959	16,866	23,112	—	25,330	—	—	—	65,308	8,967,213
1960	20,270	26,469	—	17,060	—	105	—	63,904	8,657,407
1961	21,157	27,255	—	13,267	—	69	—	61,748	8,404,315
1962	24,667	28,562	—	10,099	—	—	—	63,328	8,961,803
1963	31,718	29,303	—	13,187	—	—	—	74,208	10,264,227
1964	9,150	32,090	21,575	9,948	769	—	1,681	75,213	10,440,115
1965	6,932	32,371	27,587	23,861	58	—	2,716	93,525	13,295,825

a: Included with bleached sulphite prior to 1964.

Source: Dominion Bureau of Statistics.

Table 25. Sulphite Pulp — Paper Grades

TOTAL	Production Tons	Exports Tons	Value
1956	2,561,470	818,298	104,226,678
1957	2,396,654	691,284	89,286,506
1958	2,143,099	579,410	76,570,244
1959	2,129,589	512,731	67,860,722
1960	2,291,850	603,905	77,352,230
1961	2,414,612	634,398	76,662,720
1962	2,406,289	704,683	84,157,208
1963	2,566,020	786,492	90,860,053
1964	2,872,084	885,169	106,789,686
1965	2,940,499e	891,410	109,901,044
BLEACHED (a)			
1956	672,684	443,086	\$ 59,902,922
1957	584,396	397,738	53,600,806
1958	535,972	361,205	49,433,556
1959	506,817	333,015	45,831,745
1960	572,414	434,118	57,608,415
1961	683,642	444,032	55,509,779
1962	717,298	500,792	61,701,635
1963	847,189	567,708	67,903,716
1964	958,137	627,201	79,830,752
1965	939,177e	628,316	81,976,819
UNBLEACHED (a)			
1956	1,888,786	375,212	44,323,756
1957	1,812,258	293,546	35,685,700
1958	1,607,127	218,205	27,136,688
1959	1,622,772	179,716	22,028,977
1960	1,719,436	169,787	19,743,815
1961	1,730,970	190,366	21,152,941
1962	1,688,991	203,891	22,455,573
1963	1,718,831	218,784	22,956,337
1964	1,913,947	257,968	26,958,934
1965	2,001,322e	263,094	27,924,225

a: Comparable figures for 1920-1955 are given in Table 32.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 26. Sulphate Pulp — Paper Grades

TOTAL	Production Tons	Exports Tons	Value
1956	1,596,658	916,397g*	119,694,854g*
1957	1,705,806	1,015,845g*	130,031,730g*
1958	1,896,006	1,148,865g*	148,723,106g*
1959	2,234,039	1,376,409*	172,556,878*
1960	2,441,784	1,466,239*	182,644,132*
1961	2,697,016	1,634,604	195,822,259
1962	2,926,256	1,681,066	202,021,571
1963	3,135,779	1,883,355	227,665,819
1964	3,420,320	2,018,268	259,161,508
1965	3,883,117e	2,245,011	291,412,464
BLEACHED (a)			
1956	716,080	684,435g*	\$ 95,086,026g*
1957	799,311	749,147g*	103,274,308g*
1958	908,804	900,481g*	124,423,456g*
1959	1,060,963	909,262*	126,510,808*
1960	1,170,901	980,131*	134,792,166*
1961	1,293,131	1,060,277	139,550,593
1962	1,413,425	1,147,190	148,999,982
1963	1,624,482	1,374,932	176,289,371
1964	1,825,262	1,505,417	204,225,355
1965	2,047,280e	1,654,917	227,462,487
SEMI-BLEACHED (a)			
1956	81,700	n.a.	n.a.
1957	115,295	n.a.	n.a.
1958	173,068	n.a.	n.a.
1959	242,389	149,883	17,034,963
1960	283,818	139,872	16,012,525
1961	322,746	160,958	17,438,577
1962	420,672	183,764	19,735,877
1963	396,256	152,403	17,175,061
1964	621,285	191,710	22,646,824
1965	599,013e	223,292	26,602,066
UNBLEACHED (a)			
1956	798,878	231,962	24,608,828
1957	791,200	266,696	26,757,422
1958	814,134	248,384	24,294,650
1959	930,687	317,264	29,011,107
1960	987,065	346,236	21,839,441
1961	1,081,139	413,369	28,833,089
1962	1,092,159	350,112	33,285,712
1963	1,115,041	356,020	34,201,387
1964	973,773	321,141	32,289,329
1965	1,236,824e	366,891	37,347,911

*: Includes sulphate dissolving pulp.

a: Comparable figures for 1920-1955 are given in Table 33.

e: Canadian Pulp and Paper Association estimate.

g: Includes semi-bleached.

Source: Dominion Bureau of Statistics.

Table 27. Dissolving and Special Alpha Pulp (Sulphite and Sulphate)

	Production Tons	Exports (See Note) Tons	Value
1956	402,635	303,423*	\$53,939,400*
1957	341,927	275,385*	49,216,827*
1958	330,672	218,406*	39,023,953*
1959	390,836	272,550*	48,429,401*
1960	392,392	242,001*	42,708,285*
1961	373,085	307,232	51,955,803
1962	477,803	355,321	61,343,501
1963	429,104	372,069	64,484,818
1964	450,106	401,697	71,122,996
1965	467,046e	384,802	69,547,346

Note: Comparable figures not published prior to 1956. For statistics of sulphite dissolving pulp 1944-1955, see Table 32.

*: Sulphite only.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 28. Mechanical Pulp

TOTAL	Production Tons	Exports Tons	Value
1920	1,090,114	304,344	\$17,574,806
1925	1,621,917	360,204	10,572,373
1930	2,283,130	208,758	5,967,172
1935	2,504,595	124,055	2,631,945
1940	3,305,484	204,090	6,265,069
1941	3,494,922	271,162	8,835,808
1942	3,260,097	278,365	10,507,449
1943	2,998,913	272,900	10,068,592
1944	3,076,296	236,545	10,134,383
1945	3,341,920	273,906	12,101,310
1946	3,997,848	268,290	12,571,257
1947	4,275,269	319,160	19,098,908
1948	4,413,513	296,520	19,257,283
1949	4,718,806	206,800	11,891,539
1950	4,910,803	247,556	14,037,566
1951	5,172,465	322,706	26,741,965
1952	5,175,319	254,716	20,413,132
1953	5,122,597	228,467	15,828,174
1954	5,337,610	232,230	16,501,901
1955	5,466,925	261,995	18,188,487
1956	5,723,002	274,741	19,593,680
1957	5,574,233	247,616	17,566,604
1958	5,375,499	232,782	16,195,194
1959	5,655,701	240,474	16,661,286
1960	5,880,529	235,445	16,348,381
1961	5,878,322	236,022	15,981,906
1962	5,891,511	260,253	17,698,374
1963	5,849,543	247,956	16,833,293
1964	6,442,199	285,534	18,528,213
1965	6,840,155e	313,235	20,742,858
BLEACHED			
1952	37,835	33,473	2,664,840
1953	56,930	49,237	3,532,953
1954	61,823	52,211	3,830,571
1955	50,889	41,882	3,065,866
1956	55,287	44,395	3,252,441
1957	49,641	35,095	2,508,198
1958	94,307	15,462	1,107,189
1959	274,361	12,964	1,004,384
1960	327,056	12,858	990,707
1961	353,506	17,077	1,406,272
1962	380,092	23,249	1,812,419
1963	543,360	18,483	1,435,542
1964	449,422	13,175	1,041,027
1965	n.a.	7,506	596,137
UNBLEACHED			
1952	5,137,484	221,243	17,748,292
1953	5,065,667	179,230	12,295,221
1954	5,275,787	180,019	12,671,330
1955	5,667,715	230,346	16,341,239
1956	5,524,592	212,521	15,058,406
1957	5,281,192	217,320	15,088,005
1958	5,381,340	227,510	15,656,903
1959	5,553,473	222,587	15,357,674
1960	5,524,816	217,945	14,575,634
1961	5,511,419	237,004	15,885,955
1962	5,306,183	229,473	15,397,751
1963	5,992,777	272,359	12,255,515
1964	n.a.	305,729	20,146,721

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 29. Defibrated and Exploded Pulps

	Production Tons	Tons	Exports	Value
1946	48,009	—	—	—
1947	52,613	—	—	—
1948	65,636	—	—	—
1949	75,403	—	—	—
1950	88,962	—	—	—
1951	113,166	—	—	—
1952	109,727	—	—	—
1953	125,443	—	—	—
1954	113,266	—	—	—
1955	139,136	—	—	—
1956	170,954	—	—	—
1957	152,679	—	—	—
1958	167,720	—	—	—
1959	173,619	—	—	—
1960	157,706	—	—	—
1961	135,665	—	—	—
1962	146,656	—	—	—
1963	159,576	—	—	—
1964	184,728	—	—	—
1965	174,640e	—	—	—

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 30. Other Wood Pulps*

Year	Production Tons	Tons	Exports	Value
1920	27,228	—	—	—
1925	1,189	—	—	—
1930	12,804	5,187	369,585	—
1935	20,887	10,709	465,616	—
1940	27,698	12,334	716,514	—
1941	31,033	16,682	1,096,619	—
1942	33,731	18,757	1,242,998	—
1943	34,034	19,892	1,444,792	—
1944	31,814	17,269	1,356,843	—
1945	48,396	21,771	1,823,957	—
1946	42,150	19,667	1,763,821	—
1947	57,234	21,867	2,527,340	—
1948	89,848	25,316	3,288,513	—
1949	86,224	27,471	3,369,959	—
1950	103,039	33,059	4,286,212	—
1951	137,268	32,958	5,277,337	—
1952	105,826	28,984	4,293,855	—
1953	126,484	34,914	4,887,822	—
1954	125,529	37,923	5,307,245	—
1955	155,026	41,288	5,873,683	—
1956	183,582	44,950	6,395,205	—
1957	171,871	42,802	6,044,097	—
1958	156,753	32,398	4,691,029	—
1959	173,156	38,285	5,424,255	—
1960	233,971	43,206	5,762,785	—
1961	207,866	45,663	5,918,316	—
1962	217,457	33,858	4,398,852	—
1963	246,952	40,991	5,213,746	—
1964	289,754	38,697	5,085,638	—
1965	185,587e	13,005	1,801,407	—

*: Includes soda, semi-chemical and unspecified grades of wood pulp.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 31. Screenings

	Production Tons	Tons	Exports (a)	Value
1923	43,966	18,554e	\$447,549e	—
1925	65,364	24,526e	565,135e	—
1930	71,158	23,662	415,606	—
SCREENINGS — CHEMICAL				
1935	28,230	8,311	109,693	—
1940	42,741	3,016	54,636	—
1941	48,270	11,602	228,906	—
1942	51,905	11,809	258,935	—
1943	51,053	17,834	408,012	—
1944	48,826	11,120	317,221	—
1945	53,121	10,396	310,000	—
1946	66,277	11,326	390,881	—
1947	82,228	12,893	651,218	—
1948	83,894	11,537	489,515	—
1949	71,179	6,169	144,563	—
1950	73,276	7,758	211,034	—
1951	86,945	10,020	492,496	—
1952	67,864	5,077	205,748	—
1953	64,384	2,929	110,874	—
1954	68,131	4,154	144,370	—
1955	70,269	5,972	222,949	—
1956	65,343	6,415	238,947	—
1957	54,687	5,481	206,201	—
1958	45,166	6,188	225,484	—
1959	54,485	5,035	184,243	—
1960	51,411	7,181	252,893	—
1961	50,118	7,454	267,816	—
1962	45,715	6,672	240,965	—
1963	51,749	5,056	179,874	—
1964	48,851	3,153	109,435	—
1965	46,541e	1,071	38,702	—
SCREENINGS — MECHANICAL				
1935	59,116	10,629	71,947	—
1940	62,725	4,218	62,242	—
1941	55,363	7,177	88,291	—
1942	48,021	6,985	83,119	—
1943	34,838	6,053	49,302	—
1944	36,846	3,974	40,874	—
1945	38,953	4,565	41,825	—
1946	68,876	7,794	162,591	—
1947	69,360	9,273	98,138	—
1948	69,101	8,492	94,333	—
1949	54,143	8,130	80,287	—
1950	32,573	6,436	78,381	—
1951	43,266	5,796	97,774	—
1952	39,140	5,675	124,180	—
1953	33,984	5,675	133,982	—
1954	35,062	6,498	155,568	—
1955	31,426	5,910	143,278	—
1956	30,100	9,789	447,733	—
1957	27,438	4,245	54,137	—
1958	22,539	1,265	19,639	—
1959	20,775	4,543	136,012	—
1960	21,846	3,481	52,866	—
1961	22,481	3,472	51,893	—
1962	20,820	2,605	41,952	—
1963	35,384	3,573	54,825	—
1964	33,742	3,763	56,445	—
1965	32,145e	3,981	57,564	—

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 32. Sulphite Pulp (1920-1955)

UNBLEACHED	Production Tons	Exports Tons	Value
1920	515,649	281,855	\$30,778,486
1925	615,320	265,553	14,150,271
1930	783,410	187,424	9,201,250
1935	644,820	98,673	3,186,894
1940	936,558	281,324	14,857,150
1941	1,073,704	438,140	25,942,972
1942	1,156,137	550,204	33,898,728
1943	1,125,033	590,541	36,997,343
1944	1,023,930	525,777	37,235,232
1945	1,035,755	480,836	34,916,474
1946	1,213,220	446,209	35,120,122
1947	1,322,783	484,724	48,888,906
1948	1,406,358	514,917	58,521,374
1949	1,354,368	346,361	35,276,757
1950	1,450,004	411,482	41,842,295
1951	1,697,672	555,045	90,017,185
1952	1,596,333	432,126	62,318,100
1953	1,552,056	349,619	39,133,755
1954	1,653,324	350,839	38,045,958
1955	1,790,737	371,705	42,532,861
BLEACHED — ALL GRADES			
1920	138,624	100,640	15,225,226
1925	227,465	185,888	14,049,500
1930	293,394	249,098	17,954,714
1935	374,157	313,144	16,249,656
1940	543,987	427,482	29,812,822
1941	590,812	481,597	37,137,254
1942	597,316	463,301	36,382,124
1943	587,538	465,946	37,528,067
BLEACHED — DISSOLVING PULP			
1944	235,417	210,565e	19,504,292e
1945	233,826	214,816e	21,147,409e
1946	271,563	244,879	27,211,028
1947	306,927	292,125	38,976,383
1948	340,946	309,270	46,090,922
1949	262,972	243,095	37,146,886
1950	335,736	290,356	45,478,266
1951	408,969	363,145	71,831,848
1952	383,645	339,407	66,364,335
1953	430,551	382,960	69,171,902
1954	426,638	368,527	65,176,985
1955	402,283	330,132	58,417,937
BLEACHED — PAPER GRADES			
1944	350,282	223,955e	19,110,422e
1945	370,103	247,222e	21,343,633e
1946	345,234	215,624	19,802,354
1947	397,822	241,959	30,315,828
1948	390,707	242,347	32,406,329
1949	374,119	240,520	27,953,992
1950	425,033	267,502	32,377,079
1951	438,191	244,170	40,507,944
1952	398,117	229,674	34,638,347
1953	415,936	239,929	30,701,057
1954	527,329	335,486	42,360,053
1955	623,818	456,993	58,901,440

Source: Dominion Bureau of Statistics.

Table 33. Sulphate Pulp (1920-1955)

ALL GRADES	Production Tons	Exports Tons	Value
1920	188,487	133,146	\$ 12,805,460
1925	241,252	149,722	9,158,861
1930	175,449	86,091	5,151,652
1935	236,536	96,954	4,909,979
1940	371,569	136,052	9,161,716
1941	426,743	185,365	12,567,886
1942	459,254	181,325	12,893,520
1943	441,421	183,291	13,516,667
1944	467,726	178,876	13,863,757
1945	478,740	181,105	14,370,304
1946	562,233	204,769	16,998,605
1947	689,435	316,711	37,245,891
1948	815,076	389,599	51,416,115
1949	855,784	470,160	54,812,327
1950	1,053,588	581,994	70,244,716
1951	1,216,907	709,467	130,166,335
1952	1,092,038	644,923	103,505,801
1953	1,205,628	705,659	88,707,314
1954	1,386,127	844,759	103,725,925
1955	1,470,927	892,138	113,023,434
BLEACHED			
1947	194,326	181,416g	23,448,238g
1948	255,346	232,538g	32,720,596g
1949	362,283	331,902g	41,610,544g
1950	436,810	392,291g	51,379,786g
1951	524,658	475,976g	87,366,927g
1952	524,513	490,986g	80,407,020g
1953	579,537	534,586g	72,812,932g
1954	695,460	639,804g	84,721,957g
1955	730,637	670,445g	90,940,805g
SEMI-BLEACHED			
1947	21,451	n.a.	n.a.
1948	17,060	n.a.	n.a.
1949	10,184	n.a.	n.a.
1950	12,897	n.a.	n.a.
1951	11,054	n.a.	n.a.
1952	15,320	n.a.	n.a.
1953	24,666	n.a.	n.a.
1954	46,187	n.a.	n.a.
1955	60,410	n.a.	n.a.
UNBLEACHED			
1947	473,658	135,295	13,797,653
1948	542,670	157,061	18,695,519
1949	483,317	138,258	13,201,783
1950	603,881	189,703	18,864,930
1951	681,195	233,491	42,799,408
1952	552,205	153,937	23,098,781
1953	601,425	171,073	15,894,382
1954	644,480	204,955	19,003,968
1955	679,880	221,693	22,082,629

g. Includes semi-bleached.

Source: Dominion Bureau of Statistics.

Table 34. Consumption of Wood Pulp in Paper, Paperboard, and Other Board Production, by Sources

Year	1920 - 1951 Sulphate					Unbleached Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded(**) Tons	Other Wood Pulp Tons
	All Kinds Tons	Sulphite Bleached Tons	Unbleached Tons	Bleached and Semi-bleached Tons	Sulphate Tons					
OWN PULP FROM SAME MILL										
1920	963,762	3,630	199,507		51,041		702,519	—	—	7,065
1925	1,643,123	14,184	285,294		95,099		1,222,210	25,305	—	1,031
1930	2,736,964	20,523	560,977		71,755		2,045,504	37,833	—	372
1935	3,041,835	26,357	508,748		108,319		2,354,442	43,119	—	850
1940	3,959,472	46,627	585,314		191,573		3,067,887	63,113	—	4,958
1941	3,132,158	49,996	606,079		214,050		3,203,887	53,508	—	4,638
1942	3,846,947	64,852	540,453		227,046		2,957,592	51,874	—	5,130
1943	3,574,185	50,981	500,084		211,526		2,759,392	47,661	—	4,541
1944	3,651,322	58,306	453,584		242,900		2,840,653	51,331	—	4,548
1945	3,978,373	58,601	517,586		249,896		3,057,837	53,585	23,803	17,065
1946	4,922,055	60,573	699,812	10,571		307,788	3,712,242	69,657	48,549	12,863
1947	5,249,369	67,720	759,869	16,183		323,482	3,928,813	76,895	52,613	23,794
1948	5,534,167	64,534	811,142	21,958		352,749	4,077,780	88,225	65,636	52,143
1949	5,991,912	67,435	928,159	24,073		339,491	4,427,388	81,135	75,403	48,828
1950	6,213,302	74,043	956,733	27,272		376,186	4,566,343	63,788	88,962	59,975
1951	6,583,069	80,225	1,036,328	33,209		402,126	4,743,924	80,731	113,166	93,360
PURCHASED PULP AND OWN PULP FROM OTHER MILLS										
1920	193,135	19,805	70,726		4,631		96,640	—	—	1,333
1925	204,630	29,194	96,522		10,113		57,733	9,653	—	1,415
1930	160,178	34,010	54,034		13,063		23,208	26,994	—	8,869
1935	170,869	45,896	49,046		25,578		14,936	27,677	—	7,736
1940	217,407	54,459	64,605		36,081		19,338	32,717	—	10,207
1941	232,171	60,435	65,186		37,830		23,099	33,529	—	12,092
1942	214,511	59,406	67,231		38,682		12,154	27,308	—	9,730
1943	214,132	63,090	59,356		42,720		14,580	24,455	—	9,931
1944	208,323	61,266	53,035		45,452		11,182	27,598	—	9,790
1945	220,733	75,444	43,851		48,645		12,184	30,932	—	9,677
1946	261,500	83,305	69,680	12,077		27,712	16,498	41,929	—	10,299
1947	335,692	98,896	101,835	12,929		27,012	35,570	47,590	—	11,860
1948	319,133	93,780	104,061	14,477		25,405	31,689	37,569	—	12,152
1949	347,095	91,213	84,932	18,664		26,112	89,222	26,077	—	10,875
1950	378,704	102,659	97,327	25,782		33,486	83,365	26,089	—	9,996
1951	432,813	114,842	105,401	33,029		39,261	100,872	28,461	—	10,947
1952-1965										
OWN PULP FROM SAME MILL										
1952	6,660,897	78,880	1,081,585	35,831		374,199	4,845,369	68,476	109,727	66,830
1953	6,744,045	74,710	1,118,222	39,363		398,622	4,844,401	59,997	125,443	83,287
1954	7,047,544	75,765	1,198,224	41,098		416,473	5,058,049	66,380	113,266	78,289
1955	7,315,431	76,234	1,303,254	47,193		428,004	5,156,788	64,997	139,136	99,825
1956	7,840,417	95,762	1,437,895	59,987		525,113	5,376,968	55,845	170,954	117,893
1957	7,674,107	95,120	1,412,201	90,413		482,757	5,284,747	50,551	152,366	105,952
1958	7,450,485	97,737	1,287,811	115,096		524,776	5,113,472	42,774	167,720	101,099
1959	7,894,261	108,980	1,342,572	143,491		586,306	5,376,166	49,237	173,619	113,890
1960	8,369,625	107,274	1,479,580	198,970		604,460	5,608,141	45,612	157,727	167,861
1961	8,389,009	112,806	1,487,205	220,589		621,520	5,614,387	44,770	124,616	163,116
1962	8,422,378	118,344	1,423,908	251,570		682,142	5,603,183	35,423	146,656	161,152
1963	8,484,040	120,997	1,427,454	291,734		704,775	5,553,778	42,928	159,576	182,798
1964	9,304,248	122,178	1,616,402	312,667		705,274	6,107,380	43,250	184,418	212,679
1965	9,738,927e	119,375e	1,672,204e	324,463e		808,537e	6,429,032e	45,264e	174,640e	165,412e
OWN PULP FROM OTHER MILLS										
1952	216,496	51,874	78,942	10,355		6,104	49,083	17,007	—	3,131
1953	198,812	55,528	90,626	17,329		5,984	8,534	16,829	—	3,982
1954	204,944	58,225	93,327	16,566		7,788	8,145	17,425	—	3,468
1955	228,622	58,796	108,670	22,502		7,122	8,326	18,207	—	4,999
1956	228,028	52,826	101,746	25,539		4,770	20,087	17,147	—	5,913
1957	202,014	59,459f	86,052	24,119		4,072	12,498	10,027	—	5,787
1958	152,389	53,297f	62,119	17,333		4,392	7,617	5,023	—	2,608
1959	171,270	58,845f	77,550	15,961		5,626	5,401	5,989	—	1,898
1960	169,975	70,719f	65,027	18,888		4,787	4,570	4,036	—	1,948
1961	179,486	73,753f	58,977	25,241		6,901	2,475	9,856	—	2,283
1962	256,075	78,831	68,839	70,047		20,158	3,624	8,642	—	5,934
1963	314,078	84,879f	70,673	92,627		41,289	5,634	12,360	—	6,616
1964	358,280	84,754f	75,893	115,019		55,156	5,635	13,211	—	8,612
1965	370,367e	82,809ef	78,513e	119,358e		63,231e	5,932e	13,826e	—	6,698e
PURCHASED PULP										
1952	176,005	47,165	26,516	24,100		21,580	34,360	10,047	312	11,925
1953	204,160	48,701	32,615	29,666		23,093	49,576	10,586	23	9,900
1954	203,987	47,607	31,491	47,430		25,403	27,701	12,182	—	12,173
1955	255,824	53,923	45,410	55,165		30,653	48,388	8,376	—	13,909
1956	270,827	65,372	47,677	56,880		30,682	42,182	6,119	—	21,915
1957	266,839	59,992f	48,723	67,941		32,551	30,187	6,780	2,322	18,343
1958	278,653	59,884f	55,918	82,349		28,341	15,385	9,840	3,428	23,508
1959	301,612	54,781f	47,376	108,650		28,651	16,305	9,208	7,258	29,383
1960	293,175	55,263f	38,697	114,462		26,901	12,382	9,178	7,842	28,450
1961	305,947	64,468f	34,633	126,938		30,950	11,427	9,767	—	27,764
1962	320,016	71,913f	24,206	153,827		25,388	14,343	8,260	—	27,538
1963	322,169	72,213f	21,787	155,177		23,996	14,607	6,420	—	27,969
1964	382,090	73,996f	35,655	190,276		21,394	22,812	6,944	—	31,013
1965	386,567e	72,298ef	36,886e	197,455e		24,527e	24,013e	7,268e	—	24,120e

e: Canadian Pulp and Paper Association estimate.

f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.

Source: Dominion Bureau of Statistics.

Table 35. Consumption of Wood Pulp in Paper, Paperboard, and Other Board Production, by Kinds

Year	Sulphite			Sulphate		Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood Pulp Tons
	All Kinds Tons	Bleached Tons	Unbleached Tons	Bleached and Semi-bleached Tons	Unbleached Tons				
1920	1,156,897	23,435	270,233		55,672	799,159	—	—	8,398
1925	1,847,753	43,378	381,816		105,212	1,279,943	34,958	—	2,446
1930	2,897,142	54,533	615,011		105,212	2,068,712	63,827	—	9,241
1935	3,212,704	72,253	557,794		133,897	2,369,378	70,796	—	8,586
1936	3,745,959	84,709	639,474		151,568	2,755,974	105,685	—	8,549
1937	4,252,954	77,092	741,051		181,232	3,136,195	106,334	—	11,050
1938	3,122,180	74,380	503,020		147,013	2,312,001	75,876	—	9,890
1939	3,460,614	85,661	530,474		183,771	2,567,348	81,352	—	12,008
1940	4,176,879	101,086	649,919		227,654	3,087,225	95,830	—	15,165
1941	4,364,329	110,431	671,265		251,880	3,226,986	87,037	—	16,730
1942	4,061,458	124,258	607,684		265,728	2,969,746	79,182	—	14,860
1943	3,788,317	114,071	559,440		254,246	2,773,972	72,116	—	14,472
1944	3,859,645	119,572	506,619		288,352	2,851,835	78,929	—	14,338
1945	4,199,106	134,045	561,437		298,541	3,070,021	84,517	23,803	26,742
1946	5,183,555	143,878	769,492	22,648	335,500	3,728,740	111,586	48,549	23,162
1947	5,585,061	166,616	861,704	29,112	350,494	3,964,383	124,485	52,613	35,654
1948	5,853,300	158,314	915,203	36,435	378,154	4,109,469	125,794	65,636	64,295
1949	6,339,007	158,648	1,013,091	42,737	365,603	4,516,610	107,212	75,403	59,703
1950	6,592,006	176,702	1,054,060	53,054	409,672	4,649,708	89,877	88,962	69,971
1951	7,015,882	195,067	1,141,729	66,238	441,387	4,844,796	109,192	113,166	104,307
1952	7,053,398	177,919	1,187,043	70,286	401,883	4,928,812	95,530	110,039	81,886
1953	7,147,017	178,939	1,241,463	86,358	427,699	4,902,511	87,412	125,466	97,169
1954	7,456,475	181,597	1,323,042	105,094	449,664	5,093,895	95,987	113,266	93,930
1955	7,799,877	188,953	1,457,334	124,860	465,779	5,213,502	91,580	139,136	118,733
1956	8,339,272	213,960	1,587,318	142,406	560,565	5,438,237	79,111	170,954	145,721
1957	8,142,960	214,571f	1,546,976	182,473	519,380	5,327,432	67,358	154,688	130,082
1958	7,881,527	210,918f	1,405,848	214,778	557,509	5,136,474	57,637	171,148	127,215
1959	8,367,143	222,606f	1,467,498	268,102	620,583	5,397,872	64,434	180,877	145,171
1960	8,832,775	233,256f	1,583,304	332,320	636,148	5,625,093	58,826	165,569	198,259
1961	8,874,442	251,027f	1,580,815	372,768	659,371	5,628,289	64,393	124,616	193,163
1962	8,998,469	269,088f	1,516,953	475,444	727,688	5,621,150	52,325	146,656	194,624
1963	9,120,287	278,089f	1,519,914	539,538	770,060	5,574,019	61,708	159,576	217,383
1964	10,044,618	280,928f	1,727,950	617,962	781,824	6,135,827	63,405	184,418	252,304
1965	10,495,861e	274,482ef	1,787,603e	641,276e	896,295e	6,458,977e	66,358e	174,640e	196,230e

e: Canadian Pulp and Paper Association estimate.

f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

Source: Dominion Bureau of Statistics.

"D"—NEWSPRINT

Data in this section have been compiled by
Newsprint Association of Canada from the sources mentioned.

Throughout this section Newfoundland statistics are included, unless otherwise noted, in the Canadian totals for all years.

Table 36. Newsprint Capacity, Production and Shipments

Tons	Annual Capacity	Annual Production	Oper. Ratio	Shipments To		Total Exports	Shipments in Canada	Total Shipments
				U.S.A.	Overseas			
1915		549,000		329,000	95,000			
1920	1,016,000	938,000	92.3	679,306	160,000	839,306	110,000	949,306
1925	1,823,000	1,618,805	88.8	1,315,404	148,000	1,463,404	124,000	1,587,404
1930	3,902,000	2,791,406	71.5	2,145,471	442,000	2,587,471	162,000	2,749,471
1935	4,263,120	3,082,994	72.3	2,122,099	727,338	2,849,437	200,303	3,049,740
1940	4,716,030	3,769,946	79.9	2,741,363	877,851	3,619,214	184,605	3,803,819
1941	4,702,671	3,770,665	80.2	2,987,235	616,890	3,604,125	197,508	3,801,633
1942	4,763,235	3,454,528	72.5	3,006,592	278,791	3,285,383	203,484	3,488,867
1943	4,677,951	3,219,004	68.8	2,680,790	398,640	3,079,430	193,848	3,273,278
1944	4,726,464	3,264,581	69.1	2,529,693	553,457	3,083,150	188,261	3,271,411
1945	4,672,080	3,591,901	76.9	2,665,947	685,469	3,351,416	201,492	3,552,908
1946	4,640,944	4,506,063	97.1	3,563,124	684,770	4,247,894	248,366	4,496,260
1947	4,728,724	4,820,164	101.9	3,897,300	700,839	4,598,139	275,144	4,873,283
1948	4,883,127	4,982,834	102.0	4,127,970	532,589	4,660,559	306,485	4,967,044
1949	5,113,108	5,176,327	101.2	4,380,250	448,697	4,828,947	335,385	5,164,332
1950	5,226,675	5,278,585	101.0	4,748,228	207,803	4,956,031	354,602	5,310,633
1951	5,359,816	5,516,279	102.9	4,783,549	360,067	5,143,616	359,895	5,503,511
1952	5,510,397	5,687,051	103.2	4,835,065	462,616	5,297,681	368,768	5,666,449
1953	5,722,640	5,721,296	100.0	4,861,372	472,915	5,334,287	398,277	5,732,564
1954	5,919,917	5,984,207	101.1	4,875,031	674,534	5,549,565	420,896	5,970,461
1955	6,064,489	6,190,647	102.1	5,070,211	734,902	5,805,113	430,444	6,235,557
1956	6,242,514	6,468,815	103.6	5,229,748	741,944	5,971,692	477,130	6,448,822
1957	6,756,071	6,396,501	94.7	5,054,729	852,664	5,907,393	456,728	6,364,121
1958	7,238,516	6,095,553	84.2	4,826,696	782,328	5,609,024	434,292	6,043,316
1959	7,520,681	6,394,172	85.0	5,117,766	834,938	5,952,704	472,579	6,425,283
1960	7,611,194	6,738,611	88.5	5,279,227	986,072	6,265,299	487,102	6,752,401
1961	7,734,058	6,734,759	87.1	5,226,673	988,867	6,215,540	491,931	6,707,471
1962		6,900,899	85.3	5,228,624	940,829	6,169,453	510,551	6,680,004
1963	8,054,615	6,630,483	82.3	5,179,634	919,928	6,099,562	522,718	6,622,280
1964	8,274,069	7,301,357	88.2	5,648,145	1,111,266	6,759,411	550,433	7,309,844
1965	8,420,791	7,719,710	91.7	6,093,458	1,063,277	7,156,735	590,479	7,747,214

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity partly because no allowance is made for improvements in equipment during the year.

Source: Newsprint Association of Canada.

Table 37. Daily Capacity and Production

Tons	Number of Work Days	Capacity Per Day	Production Per Day
1935	310	13,752	9,945
1940	310	15,213	12,161
1941	309	15,219	12,203
1942	309	15,415	11,180
1943	309	15,139	10,417
1944	309	15,296	10,565
1945	309	15,120	11,624
1946	308	15,068	14,630
1947	308	15,353	15,650
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576
1954	311	19,030	19,306
1955	310	19,559	19,963
1956	310	20,115	20,890
1957	311	21,701	20,614
1958	312	23,175	19,559
1959	311	24,162	20,545
1960	313	24,339	21,544
1961	315	24,559	21,408
1962	317	24,709	21,078
1963	319	25,240	20,777
1964	320	25,872	22,830
1965	315	26,742	24,261

Because of variations in the number of workdays, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 38. Newsprint Shipments Overseas

Tons	British Isles	Australia & N.Z.	Central & S. America	Europe & Med. Area	Other Africa	Far East
1946	119,631	195,067	254,949	10,497	41,241	63,225
1947	131,203	212,444	234,040	9,810	44,256	68,916
1948	123,310	78,196	207,411	9,768	49,846	63,925
1949	126,484	74,000	139,749	11,702	54,334	42,286
1950	28,056	33,030	104,923	4,245	10,522	26,865
1951	103,462	37,671	131,769	22,710	21,366	42,907
1952	135,749	76,266	163,028	11,562	40,101	35,677
1953	189,591	48,396	158,417	3,781	27,993	44,493
1954	272,781	76,710	186,327	55,986	30,235	52,280
1955	306,910	99,202	166,741	71,226	38,740	51,872
1956	355,197	73,779	192,328	34,254	45,056	41,058
1957	395,901	82,890	239,544	34,863	52,403	46,857
1958	394,355	79,730	201,706	26,557	53,917	25,844
1959	415,392	102,282	207,227	6,536	64,244	39,010
1960	479,496	162,474	234,561	15,629	72,200	21,712
1961	459,151	146,633	272,051	23,358	57,998	29,676
1962	498,106	109,566	232,718	10,040	43,120	47,279
1963	457,509	81,426	244,826	24,761	45,278	66,128
1964	481,004	130,029	260,787	21,349	63,890	154,207
1965	389,867	122,348	324,028	61,869	58,334	106,831

Source: Newsprint Association of Canada.

Table 39. Value of Newsprint Production and Exports

Figures for 1915-1948 do not include Newfoundland.

	Production	Exports
1915	\$ n.a.	\$ 16,438,679
1920	80,865,271	72,920,225
1925	106,268,641	98,945,337
1930	136,181,883	133,370,932
1935	88,436,465	87,924,251
1940	158,447,311	151,360,196
1941	158,925,310	154,356,543
1942	147,074,109	141,065,618
1943	152,962,868	144,707,065
1944	165,655,165	157,190,834
1945	189,023,736	179,450,771
1946	280,809,610	265,864,969
1947	355,540,669	342,293,158
1948	402,099,718	383,122,743
1949	467,976,343	440,054,067
1950	506,968,207	485,746,314
1951	564,361,193	536,372,498
1952	600,515,960	591,790,209
1953	633,408,019	619,033,394
1954	657,487,344	635,669,692
1955	688,338,369	665,876,987
1956	735,644,049	708,384,822
1957	729,009,081	715,489,761
1958	699,906,388	690,209,468
1959	730,455,460	722,271,166
1960	783,364,089	757,930,406
1961	809,602,323	761,312,790
1962	821,379,817	753,059,629
1963	811,311,477	759,989,558
1964	887,907,599	834,646,119
1965	938,782,000e	869,585,504

e: Canadian Pulp and Paper Association estimate.

n.a.: not available.

Source: Dominion Bureau of Statistics.

Table 40. Newsprint and Total Canadian Exports to United States

Millions of Dollars

Year	Newsprint Exports to U.S.	Total Exports to U.S.	Percent Newsprint of Total
1910	1.2	104.2	1.2
1914	9.8	163.4	6.0
1920	46.8	464.0	10.0
1925	89.1	420.4	21.2
1930	115.3	395.7	29.1
1935	71.0	358.6	19.8
1940	120.6	443.0	27.2
1941	130.9	599.7	21.8
1942	132.4	885.5	15.0
1943	131.4	1,149.2	11.4
1944	135.2	1,301.3	10.4
1945	148.4	1,197.0	12.4
1946	225.6	887.9	25.4
1947	293.5	1,034.2	28.4
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	496.9	2,297.7	21.6
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3
1954	558.6	2,317.2	24.1
1955	578.3	2,559.3	22.6
1956	615.9	2,818.7	21.9
1957	610.3	2,867.6	21.3
1958	590.2	2,828.6	20.9
1959	515.0	3,083.2	19.9
1960	631.2	2,932.2	21.5
1961	629.8	3,107.2	20.3
1962	633.0	3,608.4	17.5
1963	636.1	3,766.4	16.9
1964	689.4	4,271.0	16.1
1965	735.6	4,838.7	15.2

For the period 1910 to 1925 inclusive figures relate to fiscal years.

Source: Dominion Bureau of Statistics.

Table 41. Value of Newsprint and Total Pulp and Paper Production

Figures for 1928-1948 do not include Newfoundland
Millions of Dollars

Year	Newsprint Production	Total Production	Newsprint Percent of Total
1928	144.1	233.1	61.8
1930	136.2	216.0	63.1
1935	91.8	159.3	57.6
1940	158.4	298.0	53.2
1941	158.9	334.7	47.5
1942	147.1	336.7	43.7
1943	153.0	344.4	44.4
1944	165.7	369.8	44.8
1945	189.0	398.8	47.4
1946	280.8	527.8	53.2
1947	355.5	707.0	50.3
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9
1956	735.6	1,465.1	50.2
1957	729.0	1,419.3	51.5
1958	699.9	1,398.3	50.1
1959	730.4	1,502.3	48.6
1960	783.4	1,583.1	49.5
1961	809.6	1,634.6	49.5
1962	821.4	1,720.0	47.8
1963	811.3	1,790.6	45.3
1964	887.9	1,987.6	44.7

Source: Dominion Bureau of Statistics.

Table 42. U.S. Prices and Price Indexes

	Canadian Newsprint U.S. Dollars	Newsprint Index 1926=100	U.S. Dollars in Canada
1915	41.78	59.7	1.0040
1920	112.60	160.9	1.1201
1925	76.80	109.7	1.0004
1930	62.00	88.6	1.0016
1935	40.00	57.1	1.0051
1940	50.00	71.4	1.1050
1941	50.00	71.4	1.1050
1942	50.00	71.4	1.1050
1943	54.66	78.1	1.1050
1944	58.00	82.9	1.1050
1945	60.25	86.1	1.1045
1946	72.25	103.2	1.0575
1947	88.50	126.4	1.0025
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0982
1951	111.00	158.6	1.0528
1952	121.00	172.9	.9789
1953	126.00	180.0	.9834
1954	126.00	180.0	.9732
1955	126.00	180.0	.9863
1956	130.00	185.7	.9841
1957	133.00	190.0	.9588
1958	134.00	191.0	.9706
1959	134.00	191.0	.9590
1960	134.00	191.0	.9697
1961	134.00	191.0	1.0132
1962	134.00	191.0	1.0689
1963	134.00	191.0	1.0785
1964	134.00	191.0	1.0786
1965	134.00	191.0	1.0780

Newsprint Prices: Annual Average, Delivered at New York.

Source Exchange Rates: Federal Reserve System; Bank of Canada.

Table 43. U.S. Newsprint Production

Tons	Capacity	Production	Shipments to:		Total Shipments
			U.S.A.	Overseas	
1915		1,239,000			
1920	1,548,000	1,511,968			1,502,574
1925	1,721,000	1,530,318	1,521,560	12,785	1,534,345
1930	1,687,000	1,282,372	1,262,721	5,344	1,268,065
1935	1,504,000	912,392	910,895	6,341	917,236
1940	1,081,000	1,013,437	998,378	14,556	1,012,934
1941	1,085,000	1,014,912	995,448	25,333	1,020,781
1942	1,126,000	952,616	932,931	17,670	950,601
1943	1,033,000	804,853	788,932	14,530	803,462
1944	1,033,000	719,802	708,815	14,622	723,437
1945	981,000	724,448	707,433	18,032	725,465
1946	839,000	770,890	753,631	8,381	762,012
1947	845,000	825,554	824,020	8,451	832,471
1948	850,000	867,494	857,540	9,309	866,849
1949	876,000	899,528	883,657	14,003	897,660
1950	992,000	1,014,703	1,002,125	15,151	1,017,276
1951	1,050,000	1,124,748	1,107,552	17,869	1,125,421
1952	1,165,000	1,146,864	1,075,540	67,166	1,142,706
1953	1,170,000	1,083,982	1,057,288	30,394	1,087,682
1954	1,280,000	1,211,156	1,120,590	92,388	1,212,978
1955	1,409,000	1,552,294	1,373,638	176,543	1,550,181
1956	1,625,000	1,717,243	1,582,742	132,628	1,715,370
1957	1,921,000	1,825,897	1,698,477	118,278	1,816,755
1958	2,100,000	1,757,796	1,675,508	85,126	1,760,634
1959	2,390,000	1,964,131	1,909,242	53,267	1,962,509
1960	2,399,000	2,038,422	1,953,681	77,355	2,031,036
1961	2,376,000	2,093,901	1,964,825	121,550	2,086,375
1962	2,471,000	2,153,579	2,085,881	76,143	2,162,024
1963	2,461,000	2,218,044	2,099,437	108,940	2,208,377
1964	2,469,000	2,261,200	2,169,723	103,665	2,273,388
1965	2,497,000	2,179,697	2,118,323	64,678	2,183,001

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for export, such as tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1965, the Department showed exports of 84,201 tons versus 64,678 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 45. Sources of U.S. Newsprint Supply

Tons	Canada	U.S.A.	Europe	Total
1915	329,000	1,176,000	4,000	1,509,000
1920	679,306	1,465,739	50,561	2,195,606
1925	1,315,404	1,507,580	133,021	2,956,005
1930	2,145,471	1,272,168	134,180	3,551,819
1935	2,122,099	910,895	197,085	3,230,079
1940	2,741,363	998,378	33,850	3,773,591
1941	2,987,235	995,448	2,865	3,985,548
1942	3,006,592	932,931	1,527	3,941,050
1943	2,680,790	788,932	0	3,469,722
1944	2,529,693	708,815	0	3,238,508
1945	2,665,947	707,433	0	3,373,380
1946	3,563,124	753,631	13,480	4,330,235
1947	3,897,300	824,020	128,936	4,850,256
1948	4,127,970	857,540	267,434	5,252,944
1949	4,380,250	883,657	254,749	5,518,656
1950	4,748,228	1,002,125	171,033	5,921,386
1951	4,783,549	1,107,552	206,319	6,097,420
1952	4,835,065	1,075,450	182,708	6,093,223
1953	4,861,372	1,057,288	164,097	6,082,757
1954	4,875,031	1,120,590	128,224	6,123,845
1955	5,070,211	1,373,638	145,522	6,589,371
1956	5,229,748	1,582,742	311,453	7,123,943
1957	5,054,729	1,698,477	154,921	6,908,127
1958	4,826,696	1,675,508	108,826	6,611,030
1959	5,117,766	1,909,242	124,150	7,151,158
1960	5,279,227	1,953,681	146,570	7,379,478
1961	5,226,673	1,964,825	154,652	7,346,150
1962	5,228,624	2,085,881	185,830	7,500,335
1963	5,179,634	2,099,437	188,986	7,468,057
1964	5,648,145	2,169,723	260,336	8,078,204
1965	6,093,458	2,118,323	254,526	8,466,307

Source: All figures for 1913-32 and supply from Europe thereafter are compiled from U.S. Department of Commerce reports; from 1933 to date supplies from Canada and U.S. are compiled from reports to NAC and NSB respectively of mill shipments. Trade Association and government figures are not strictly comparable because of time lag between shipments and arrival dates and because of minor differences of newsprint definition.

Table 44. U.S. Newsprint Consumption and Stocks

Tons	Consumption		Lbs. per Cap.	Consumers' Stocks*	
	ANPA	Percent		ANPA	Total
1915			1,509,000	30.0	
1920			2,197,000	41.3	
1925	1,808,229	60.0	3,013,715	52.0	163,614
1930	2,735,428	76.0	3,599,247	58.5	256,472
1935	2,675,744	80.0	3,344,680	52.6	294,494
1940	2,855,952	76.5	3,731,331	56.5	356,472
1941	2,946,660	75.0	3,929,773	58.9	385,296
1942	2,834,940	74.3	3,815,532	56.6	479,349
1943	2,720,257	75.0	3,627,009	53.1	366,702
1944	2,351,096	72.5	3,242,891	46.9	342,280
1945	2,455,116	70.5	3,481,302	49.8	266,344
1946	3,136,276	73.0	4,296,268	60.8	292,806
1947	3,564,678	75.0	4,752,904	66.0	377,033
1948	4,009,829	78.0	5,140,806	70.1	458,145
1949	4,529,489	77.0	5,529,206	74.1	445,863
1950	4,541,760	76.5	5,936,941	78.3	424,960
1951	4,511,023	75.5	5,974,865	77.4	522,196
1952	4,551,238	76.0	5,988,471	76.3	611,909
1953	4,668,602	76.0	6,142,896	76.9	551,769
1954	4,683,698	76.0	6,162,761	75.9	516,363
1955	5,044,993	76.0	6,638,149	80.3	458,352
1956	5,208,761	75.5	6,899,020	82.1	635,756
1957	5,149,099	75.0	6,865,466	80.2	674,980
1958	4,949,986	74.5	6,644,276	76.3	651,698
1959	5,327,839	74.5	7,151,461	81.0	658,772
1960	5,552,154	74.5	7,425,709	82.2	628,092
1961	5,460,990	74.0	7,379,716	80.4	583,949
1962	5,577,325	74.5	7,486,342	80.3	603,501
1963	5,584,871	74.0	7,547,124	79.8	545,090
1964	6,031,281	75.0	8,041,706	83.7	584,551
1965	6,387,261	75.5	8,459,948	87.0	573,352

* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total U.S. consumption is obtained by extending ANPA consumption by this percentage to 100. Total consumers' stocks at the beginning of each year plus supplies received less total consumption equals stocks at the end of the year.

ANPA: American Newspaper Publishers Association.

Source: Newsprint Association of Canada.

Table 46. Consumption by Larger Newspapers

CANADA	Tons	
	1965	1964
Calgary Herald	10,055	9,155
Edmonton Journal	15,578	14,593
Halifax Chronicle — Herald & Mail Star	8,500	8,000
Hamilton Spectator	15,788	14,961
London Free Press	16,015	15,456
Montreal Gazette	13,945	13,068
Montreal La Presse	32,657	15,395*
Montreal Star	29,800	29,700
Ottawa Citizen	9,390	8,652
Quebec Le Soleil — L'Événement	15,125	14,273
Toronto Globe & Mail	28,056	26,464
Toronto Star	65,841	63,082
Toronto Telegram	36,209	34,920
Vancouver Sun & Province	44,161	39,716
Winnipeg Tribune	8,096	7,809
UNITED STATES		
Atlanta Journal & Constitution	87,683	81,767
Chicago American	47,300	47,115
Chicago Sun Times & Daily News	148,117	139,889
Chicago Tribune	227,925	211,560
Cleveland Plain Dealer	89,397	83,658
Detroit News	157,228	95,561*
Los Angeles Times	310,741	286,258
Louisville Courier — Journal & Times	69,154	61,515
Miami Herald	95,464	88,894
Milwaukee Journal & Sentinel	111,977	103,781
New York News	284,154*	290,516
New York Times	272,993*	277,382
Philadelphia Inquirer	130,999	130,624
St. Louis Post — Dispatch	81,502	74,010
Washington Post	127,500	114,725

*Curtailed by strike.

Source: Newsprint Association of Canada. Figures supplied by the individual newspapers. Most of the consumption figures include newsprint used in weekend supplements and comics.

“E”—OTHER PAPER AND PAPERBOARD

Table 47. Paperboard Production — Tonnage and Value, 1944-1965

Tons	Container Board			Boxboard			Total
	Liners	Container Chipboard	Corrugating Board	For Folding Cartons	For Set-up Boxes	Other	
1944	139,912	6,669	80,493	114,005	52,893	144,082	538,054
1945	137,059	7,096	78,756	125,691	45,605	146,549	540,756
1946	167,786	6,480	90,347	138,370	46,556	166,500	616,039
1947	175,221	6,047	102,655	147,700	46,184	177,854	655,661
1948	184,524	6,858	128,697	154,745	49,225	183,371	707,420
1949	184,694	7,708	129,121	143,215	45,525	174,582	684,845
1950	214,234	6,533	144,892	157,690	47,625	199,761	770,735
1951	223,226	5,813	152,801	172,220	49,376	217,025	820,461
1952	219,113	2,344	132,068	155,564	43,281	190,898	743,268
1953	236,917	4,130	145,068	169,428	47,731	201,174	804,448
1954	243,764	3,465	131,678	174,945	45,552	199,115	798,519
1955	258,914	8,901	148,929	185,877	47,901	210,849	861,371
1956	330,290	8,968	162,688	215,758	47,900	212,345	977,949
1957	309,278	8,403	154,949	214,678	46,133	192,107	925,548
1958	318,286	7,510	173,143	236,559	61,319	182,732	979,549
1959	354,874	8,955	175,935	241,290	72,431	179,845	1,033,330
1960	375,563	9,665	198,221	246,437	65,065	164,926	1,059,877
1961	392,959	(a)	202,350	229,663	72,160	143,984	1,057,393
1962	440,845	(a)	224,417	263,922	79,371	159,734	1,168,289
1963	510,777	(a)	226,807	301,730	77,648	173,244	1,290,140
1964	521,758	(a)	240,405	332,658	92,359	228,707	1,415,887
1965	598,178e	(a)	262,384e	340,541e	101,619e	221,925e	1,524,647e
Value							
1944	\$ 9,169,795	\$ 284,431	\$ 5,106,671	\$ 9,357,929	\$3,189,647	\$ 7,389,233	\$34,497,706
1945	9,102,314	332,637	4,997,024	10,296,273	2,708,330	7,673,664	35,110,242
1946	12,465,659	287,541	6,285,008	12,338,532	2,898,488	9,357,733	43,632,961
1947	15,971,032	317,514	8,959,472	15,850,814	3,654,451	12,084,914	56,838,197
1948	18,720,922	500,626	12,378,382	18,419,579	4,401,271	14,361,233	68,782,013
1949	19,535,008	636,746	12,979,462	17,361,974	4,066,408	13,691,804	68,271,402
1950	23,159,467	521,563	15,273,658	20,085,066	4,502,702	16,840,063	80,382,519
1951	26,965,789	623,634	17,926,975	26,380,718	5,546,965	19,865,271	97,309,352
1952	26,808,593	256,336	15,224,621	24,754,164	4,954,302	19,047,337	91,045,353
1953	29,678,077	377,602	16,909,644	26,730,967	5,534,974	19,330,051	98,561,315
1954	31,811,172	306,358	15,984,824	29,031,203	5,450,701	19,489,843	102,074,101
1955	33,877,272	935,514	18,725,717	30,910,250	5,732,654	21,530,335	111,711,742
1956	44,611,116	1,023,910	20,855,656	37,774,510	6,040,836	20,827,607	131,133,635
1957	42,713,446	971,560	20,414,454	38,726,290	5,919,456	19,248,726	127,993,932
1958	44,211,289	899,046	22,394,858	42,886,624	7,660,571	18,256,825	136,309,213
1959	49,286,428	1,066,851	22,869,372	45,275,135	9,398,910	17,695,131	145,591,827
1960	51,497,522	1,157,076	24,818,851	46,309,600	8,217,262	17,002,656	149,002,967
1961	55,592,928	(a)	26,156,474	45,858,501	9,374,342	15,320,272	152,302,517
1962	60,795,066	(a)	28,327,937	48,328,370	9,831,475	16,521,335	163,804,641
1963	71,121,613	(a)	27,704,903	55,097,149	9,960,685	18,622,406	182,506,756
1964	72,957,421	(a)	29,726,078	63,626,278	11,283,499	23,794,215	201,387,491
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: See notes A and B of Table 51.

(a) Included with Corrugating Board.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 48. Production — Other Papers and Boards — Tonnage and Value, 1944-1965

Tons	Wrapping	Book and Writing (a)	Tissue and Sanitary	Building Papers	Building Boards (b)	Wet Machine Boards (c)	Special Industrial Papers
1944	156,721	155,498	46,532	50,879	50,294	—	6,615
1945	162,175	162,198	50,418	58,199	54,261	—	7,536
1946	175,369	189,318	56,717	71,081	67,402	—	9,034
1947	188,742	210,762	67,506	79,858	88,612	—	9,677
1948	207,128	231,608	69,686	88,454	109,912	—	9,102
1949	195,585	199,317	68,340	83,471	105,061	7,117	9,027
1950	222,840	214,097	76,742	92,414	97,223	8,936	10,060
1951	257,332	253,081	89,583	91,527	131,295	8,737	12,140
1952	222,529	224,683	79,974	81,666	122,986	8,328	11,336
1953	238,111	246,513	86,523	90,906	136,748	7,759	10,047
1954	250,408	269,353	94,643	85,390	134,365	7,312	8,722
1955	263,915	301,352	106,752	96,494	157,718	8,352	7,940
1956	288,146	341,580	119,197	92,399	186,813	8,325	7,266
1957	277,208	335,037	122,538	81,949	180,236	8,942	6,780
1958	292,727	344,622	128,465	90,125	202,375	6,726	5,774
1959	330,189	381,779	139,532	84,933	215,080	7,282	6,622
1960	321,166	403,668	148,635	76,899	210,328	7,349	6,030
1961	326,974	419,612	156,919	74,146	221,216e	8,876	6,598
1962	333,035	434,666	168,906	88,817	209,612e	9,658	7,743
1963	340,604	464,687	201,094	89,858	218,550e	(d)	15,575
1964	346,077	495,213	208,359	94,423	291,480	(d)	16,166
1965	372,678e	526,353e	222,297e	86,034e	290,468e	(d)	17,060e
Value							
1944	\$16,699,663	\$23,700,310	\$ 6,391,770	\$3,017,412	\$ 4,593,961	—	\$ 989,854
1945	17,558,552	24,468,409	7,065,732	3,459,384	4,981,280	—	1,170,279
1946	20,797,070	29,995,156	9,015,540	4,684,693	6,564,864	—	1,456,496
1947	26,009,996	39,727,187	12,179,656	5,703,911	9,276,977	—	1,824,684
1948	31,036,805	45,178,968	13,927,917	7,368,976	12,070,987	—	1,881,458
1949	30,033,478	40,598,820	13,950,007	6,320,791	11,338,155	\$1,022,518	1,948,324
1950	37,776,291	47,356,410	15,885,792	7,228,146	10,790,198	1,358,994	2,407,269
1951	49,664,005	63,790,259	21,574,730	7,889,667	14,528,293	1,632,305	3,279,845
1952	45,356,720	57,463,621	18,620,728	6,871,543	13,522,958	1,498,311	3,209,914
1953	49,028,911	61,451,545	19,198,013	6,914,762	14,947,362	1,469,600	2,878,946
1954	51,341,374	68,613,807	21,998,699	6,440,439	13,665,290	1,433,300	2,536,289
1955	53,998,859	74,904,349	23,825,157	7,716,375	17,016,550	1,637,459	2,290,387
1956	61,098,013	86,524,107	30,110,095	7,094,205	15,264,142	1,569,563	2,054,546
1957	60,402,276	86,990,136	28,338,864	6,441,566	13,467,773	1,617,714	2,109,990
1958	64,650,624	91,079,353	27,779,824	6,673,725	15,042,684	1,458,856	1,739,533
1959	71,318,172	101,927,846	30,479,267	6,811,034	16,084,501	1,474,695	1,928,304
1960	70,778,384	106,573,848	33,113,245	5,668,023	15,361,303	1,436,380	1,742,173
1961	71,427,264	112,594,587	35,116,462	5,071,136	29,578,011	1,785,353	1,894,451
1962	73,104,234	121,123,118	37,467,757	6,229,252	33,534,473	1,983,922	2,221,375
1963	75,593,680	127,455,443	43,965,531	6,432,035	34,555,625	(d)	4,010,233
1964	79,062,333	139,808,808	52,764,548	6,688,925	37,327,646	(d)	4,197,127
1965	n.a.	n.a.	n.a.	n.a.	n.a.	(d)	n.a.

NOTE: See notes A and B of Table 51.

(a) Groundwood Printing and Specialty Papers (containing more than 50% groundwood); Book Paper (including printing papers with 50% or less groundwood); Fine Papers; and Miscellaneous Fine Papers.

(b) Reported in Pulp and Paper industry only. Wood pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "Other Boxboard."

(c) Prior to 1949 some producers of wet machine board were classed in another industry, and small quantities reported in the pulp and paper industry were added with "Other Boxboards" until 1943 and with "Special Industrial Papers" since 1944.

(d) Included with Special Industrial Papers.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 49. Production — Tonnage and Value, 1920 - 1943

	Paperboard		Wrapping		Book and Writing		Tissue		All Other	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1920	158,041	\$12,904,662	77,292	\$12,161,303	73,196	\$21,868,807	3,607	\$1,155,324	27,119	\$3,067,400
1925	144,646	8,378,621	91,417	8,130,102	74,724	13,145,407	7,200	1,385,089	30,195	2,852,815
1930	233,217	12,193,829	78,320	7,880,224	69,468	12,261,659	11,245	2,035,325	36,585	2,752,954
1935	314,849	15,051,893	82,517	7,956,783	70,350	10,440,789	18,107	2,031,221	29,629	1,835,499
1940	500,094	31,078,759	139,716	14,457,299	102,696	15,518,667	34,054	3,709,952	39,053	2,624,821
1941	649,840	40,214,658	162,581	16,744,806	117,444	18,476,397	35,725	4,199,139	39,453	2,889,982
1942	609,175	38,641,867	165,991	17,221,769	121,419	19,181,665	38,322	5,036,489	39,680	3,113,613
1943	568,101	37,528,257	145,545	15,614,453	122,174	19,047,039	43,247	5,637,142	40,835	3,246,393

NOTE "A": A new classification, adopted in 1944 by the Dominion Bureau of Statistics, differs from the one given above. However, for purposes of general comparison with the years 1920-43, some of the figures given in Tables 49 and 50 may be utilized. "Paperboard," "Building Boards," and "Wet Machine Boards" would approximate the "Paperboard" group given above, while "Special Industrial Papers" and "Building Papers" would approximate the "All Other" group. The "Book and Writing," and "Wrapping" groups are virtually identical in both classifications, while "Tissue and Sanitary" is nearly comparable to the "Tissue" classification given above.

NOTE "B": Some of these figures will differ somewhat from those issued by the industry itself, as DBS classifications differ at times from those of the Canadian Pulp and Paper Association.

Source: Dominion Bureau of Statistics

Table 50.

Exports of Paper (Except Newsprint) — Tonnage and Value, 1960-1965

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Tables 53, 54 and 55.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in Tables 49, 50 and 51.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basic rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the following tables, under the heading "Paper Products".

A new Export Commodity Classification was adopted by the Dominion Bureau of Statistics at the beginning of 1961. Accurate comparison between statistics for 1961 and those of earlier years is not always possible for paper and paper products, especially for individual commodities, but the group totals are generally comparable.

Paperboard											
Tons	Liner Board	Container Board	Solid Bl. & Folding Boxboard, n.o.p.	Set-up Boxboard, n.o.p.	Wet Machine Board	Pulpboard for Building Board	Paperboard n.o.p.	TOTAL PAPERBOARD	Coated Paper, Except Machine Coated	Roofing & Building Paper	Special Industrial Paper
1960	—	84,955	—	—	1,660	345	19,129	106,089	—	1,874	—
1961	—	93,634	6,022	4,410	1,441	20	686	106,213	921	2,760	40
1962	—	109,919	5,815	3,497	2,025	19	9,794	131,069	1,009	4,522	385
1963	—	146,771	5,299	3,930	1,364	11	12,828	170,203	1,286	6,959	2,326
1964	—	151,005	5,649	6,780	1,319	—	14,567	179,320	1,276	12,863	1,670
1965	123,130	46,580	6,566	4,917	1,031	32	4,922	187,178	1,439	15,232	2,466
Value											
1960	—	\$ 9,301,972	—	—	\$326,065	\$40,328	\$2,515,244	\$12,183,609	—	\$221,555	—
1961	—	10,407,422	\$1,054,063	\$608,421	302,034	3,445	85,214	12,460,599	\$383,952	296,738	\$ 7,465
1962	—	12,400,908	980,394	498,621	477,199	2,335	1,032,130	15,391,587	436,231	461,761	93,120
1963	—	16,777,796	924,634	560,548	350,759	1,405	1,356,572	19,971,714	506,770	693,765	443,769
1964	—	17,024,661	997,645	498,055	365,245	—	1,483,348	20,818,954	582,316	1,072,495	381,957
1965	\$14,400,601	4,318,661	1,305,743	749,591	294,143	4,400	521,124	21,594,263	679,117	1,475,219	454,465
Book & Writing											
Tons	Book, Printing & Litho	Ground-wood Printing n.o.p.	Book & Litho, Uncoated	Book, n.o.p.	Writing & Reproduction	Fine Paper, n.o.p.	TOTAL BOOK & WRITING	Rigid Insulating Board	Hardboard	Building Board, n.o.p.	TOTAL BUILDING BOARD
1960	52,370	—	—	—	8,827	—	61,197	12,233	11,255	1,498	24,986
1961	—	33,492	4,357	8,481	16,422	924	63,676	11,389	12,332	154	23,875
1962	—	40,297	—	7,535	18,562	3,575	69,969	11,495	11,975	161	23,631
1963	—	48,829	—	4,855	21,568	3,224	78,476	14,745	17,443	979	33,167
1964	—	68,635	—	4,938	29,405	4,525	107,503	19,481	20,085	2,502	42,068
1965	—	86,196	—	12,872	27,713	2,854	129,635	14,710	41,500	1,721	57,931
Value											
1960	\$9,695,879	—	—	—	\$2,473,806	—	\$12,169,685	\$1,364,850	\$736,198	\$157,863	\$2,258,911
1961	—	\$5,605,170	\$1,025,710	\$1,662,415	4,312,423	\$274,537	12,880,255	1,309,352	859,137	22,724	2,191,213
1962	—	6,619,991	—	1,604,533	4,967,639	820,447	14,012,610	1,379,023	1,015,196	22,994	2,417,213
1963	—	7,717,416	—	982,383	6,068,897	809,695	15,578,391	1,677,139	1,621,282	98,380	3,396,801
1964	—	10,933,715	—	1,056,730	7,920,075	1,161,809	21,072,329	2,267,206	1,851,471	353,160	4,471,837
1965	—	13,921,640	—	2,275,748	7,791,145	760,518	24,749,051	1,774,520	4,033,830	198,580	6,006,930
Wrapping											
Tons	Coated	Bleached Sulphite & Sulphate	Unbleached Sulphite & Sulphate	Wrapping n.o.p.	TOTAL WRAPPING	Tissue	Toilet	Tissue Except Sanitary	Sanitary Paper	Hanging, Not Printed	Waste Paper n.o.p.
1960	205	2,018	29,588	2,390	34,201	468	4,480	—	—	—	41,702
1961	—	2,187	40,163	313	42,663	—	—	1,137	5,717	3,170	35,852
1962	—	2,649	32,329	674	35,652	—	—	201	12,938	3,526	45,196
1963	—	7,244	22,469	1,166	30,879	—	—	198	11,466	3,813	45,911
1964	—	9,065	19,985	3,326	32,376	—	—	195	14,621	2,840	47,868
1965	—	8,841	15,908	3,932	28,681	—	—	210	11,982	1,007	60,898
Value											
1960	\$86,863	\$475,321	\$4,508,604	\$337,468	\$5,408,256	\$141,693	\$970,761	—	—	—	\$1,609,374
1961	—	450,521	5,891,110	122,504	6,464,135	—	—	\$268,221	\$1,228,436	\$443,899	1,326,101
1962	—	598,302	4,944,152	169,113	5,711,567	—	—	42,146	2,961,882	544,767	1,641,081
1963	—	1,491,447	3,515,806	304,523	5,311,776	—	—	56,835	2,539,765	569,012	1,885,164
1964	—	1,994,718	3,096,010	617,529	5,708,257	—	—	49,735	3,409,832	412,586	2,186,181
1965	—	2,099,955	2,505,944	741,930	5,347,829	—	—	62,735	2,757,468	137,039	2,961,837

Total Exports of Paper (except Newsprint) 1960: 274,997 tons \$34,963,844; 1961: 297,024 tons \$37,951,014; 1962: 328,098 tons \$43,713,965; 1963: 384,594 tons \$50,953,762; 1964: 442,600 tons \$60,166,479; 1965: 496,659 tons \$66,245,953.

NOTE: See note B of Table 51.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 51.

Exports of Paper (Except Newsprint) — Tonnage and Value, 1951-1959

Tons	Wrapping			Book	Bond & Writing	Paper-board, n.o.p.	Roofing & Building Paper	Bldg. & Insul'g Board	Waste Paper, n.o.p.	Pulpboard for Wallboards	Tissue Paper	Toilet Paper	TOTALS
	Coated	Kraft, n.o.p.	n.o.p.										
1951	1,266	12,366	3,019	27,438	7,347	69,259	6,662	21,738	27,081	23,068	418	3,487	203,149
1952	944	10,622	2,369	28,772	10,130	51,605	1,755	19,328	21,693	20,933	924	2,699	171,774
1953	149	10,227	788	28,401	7,077	34,104	3,811	18,752	30,890	17,812	1,279	759	154,049
1954	43	10,788	2,874	26,739	8,904	25,571	1,534	17,584	24,568	15,998	1,035	2,009	137,647
1955	119	14,218	3,940	33,195	8,441	40,442	722	47,460	42,356	14,307	1,031	4,109	210,340
1956	49	13,457	1,805	38,239	6,392	67,956	445	38,566	36,072	11,087	472	3,725	218,265
1957	346	18,121	1,799	37,346	6,033	79,617	502	39,254	43,085	7,771	216	4,161	238,251
1958	149	29,965	2,295	41,933	5,996	71,976	685	26,523	38,428	9,751	131	2,368	230,200
1959	1,346	37,473	3,865	51,277	7,617	74,012	1,014	36,977	39,941	4,891	424	3,069	261,906
Value													
1951	\$485,843	\$2,665,974	\$577,155	\$5,283,533	\$2,567,668	\$9,410,511	\$577,052	\$2,327,497	\$2,154,913	\$2,324,008	\$150,996	\$804,966	\$29,330,116
1952	308,135	2,232,134	636,867	5,343,040	3,770,853	6,990,766	152,225	2,096,727	936,118	2,165,043	259,605	609,977	25,501,490
1953	56,641	1,670,077	149,558	4,872,808	1,719,073	3,426,320	247,104	1,764,374	997,737	1,827,255	294,006	159,959	17,184,912
1954	22,942	1,842,567	468,267	4,540,362	2,287,799	3,113,557	100,285	1,476,704	929,105	1,640,490	279,768	372,742	17,074,588
1955	72,095	2,479,073	655,097	5,917,168	2,350,075	4,971,027	50,655	4,279,996	1,716,952	1,477,864	285,551	763,713	25,019,266
1956	26,945	2,394,180	298,646	7,137,201	1,998,566	9,058,868	41,436	3,737,146	1,569,451	1,224,360	136,071	803,332	28,426,202
1957	133,346	3,039,781	288,351	7,227,440	1,899,531	10,780,495	41,376	3,963,261	1,700,493	845,890	46,361	935,965	30,902,290
1958	61,294	4,854,032	303,272	7,769,745	1,838,448	9,290,976	57,734	2,625,503	1,602,126	1,041,881	30,169	475,939	29,951,119
1959	358,618	6,048,507	691,323	9,392,153	2,273,195	9,168,602	82,912	3,609,842	1,666,472	541,834	95,098	632,470	34,561,026

NOTE: See note B of Table 51.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 52.

Exports of Paper (Except Newsprint) by Areas

Year	United States		United Kingdom		Other Countries		All Countries	
	Tons	\$	Tons	\$	Tons	\$	Tons	\$
1955	148,378	14,624,976	31,011	3,971,512	30,951	6,422,778	210,340	25,019,266
1956	129,330	13,926,398	63,039	8,810,815	25,896	5,688,989	218,265	28,426,202
1957	130,442	15,947,682	78,635	10,976,569	29,174	5,978,059	238,251	30,902,290
1958	118,098	13,461,465	80,111	10,682,664	31,991	5,806,990	230,200	29,951,119
1959	133,289	15,650,426	96,324	12,848,320	32,293	6,062,280	261,906	34,561,026
1960	110,812	12,559,279	131,229	16,035,518	32,956	6,369,047	274,997	34,963,844
1961	107,154	12,073,856	128,512	16,608,019	50,358	9,269,139	286,024	37,951,014
1962	129,753	13,886,564	155,389	21,404,216	42,956	8,423,185	328,098	43,713,965
1963	149,708	16,566,143	185,181	25,564,030	49,735	8,823,589	384,594	50,953,762
1964	172,090	19,639,713	191,495	27,898,398	79,015	12,628,368	442,600	60,166,479
1965	224,334	26,726,452	189,434	25,594,866	82,891	13,924,635	496,659	66,249,953

Source: Dominion Bureau of Statistics.

Table 53.

Export of Paper Products — Value, 1961-1965

	Paper Bags & Multi-wall Sacks \$	Paper Containers & parts n.o.p. \$	Hangings or Wall Paper \$	Packaged Toilet Paper		Note-books Scribblers & Pads \$	Stationery Paper Office Supplies n.o.p. \$	Converted Paper n.o.p.		Paper End Products n.o.p. \$	TOTALS \$
				Tons	\$			Tons	\$		
1961	543,480	702,785	1,378,034	1,551	425,810	147,238	307,864	752	241,671	141,391	3,888,273
1962	498,702	1,110,040	1,645,190	2,326	643,871	160,593	368,838	408	416,035	141,253	4,984,522
1963	483,644	1,039,536	1,665,315	3,144	955,347	223,807	449,901	1,701	1,550,984	172,006	6,540,540
1964	578,756	1,350,453	1,804,955	3,343	983,745	253,142	531,345	4,730	3,393,566	134,791	9,030,753
1965	678,977	1,320,421	1,831,818	2,285	631,003	199,393	766,807	3,886	3,342,655	144,642	8,915,716

NOTE: See note B of Table 51.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 54.

Exports of Paper Products — Value, 1951-1960

	Bags, Boxes & Cartons	Hanging or Wall	Hanging, not Printed	Writing Paper, n.o.p.	Other Paper Products	TOTAL
1951	\$1,834,501	\$1,081,319	\$ 11,971	\$193,041	\$1,158,686	\$4,279,518
1952	973,982	1,005,842	48,456	195,922	668,650	2,892,852
1953	552,139	730,895	170,535	90,261	538,557	2,082,387
1954	419,497	865,731	287,085	90,557	510,596	2,173,466
1955	374,902	553,949	390,492	85,661	794,139	2,199,143
1956	484,525	943,495	748,827	66,691	970,676	3,214,214
1957	496,681	924,782	434,244	86,452	1,776,066	3,718,225
1958	616,059	1,149,737	512,127	120,838	1,108,959	3,507,720
1959	503,187	1,398,243	457,759	37,317	1,138,911	3,535,417
1960	600,172	1,773,608	556,806	84,542	1,132,624	4,147,752

Source: Dominion Bureau of Statistics.

Table 55.

Imports of Paper and Paperboard

Year	Fine Papers Tons	Tissue and Sanitary Papers Tons	Wrapping Papers Tons	Specialty Papers Tons	Building Papers and Boards Tons	Other Paper- boards Tons
1935	6,485	1,601	2,884	2,772	1,781	4,528
1940	7,309	6,863	1,234	2,185	3,830	10,938
1941	6,153	8,047	702	2,089	4,935	12,488
1942	6,262	7,903	1,488	2,202	6,815	12,717
1943	5,821	8,242	1,714	1,690	6,515	10,659
1944	6,004	8,812	1,386	2,026	6,033	11,653
1945	5,727	7,566	1,762	2,269	12,167	11,626
1946	10,270	5,724	3,201	3,214	11,776	12,852
1947	11,724	6,180	3,705	3,505	18,169	13,462
1948	8,100	4,337	1,033	1,880	4,460	15,241
1949	8,298	8,416	768	1,699	18,768	17,409
1950	8,648	6,334	1,223	2,332	9,999	17,855
1951	10,844	4,408	2,416	3,464	14,318	34,570
1952	11,462	4,153	1,263	2,279	14,604	32,364
1953	11,502	6,421	1,297	3,917	27,681	42,188
1954	14,882	7,370	3,634	4,304	32,084	52,127
1955	17,186	8,418	3,535	4,750	33,008	67,061
1956	17,578	9,115	4,147	5,585	41,722	77,854
1957	17,349	11,041	6,292	5,206	38,220	79,402
1958	20,491	11,892	8,542	5,206	36,553	84,379
1959	21,319	11,874	5,456	5,655	43,042	85,805
1960	20,295	10,538	4,452	5,043	42,846	80,679
1961	22,181	8,687	4,660	5,233	37,020	107,887
1962	22,242	8,173	2,547	5,714	33,069	98,292
1963	22,961	7,388	3,813	6,110	27,741	91,223
1964	20,791	7,067	11,501	8,373	27,865	84,216
1965	22,821	9,420	7,384	8,306	29,942	89,656

Note: This table covers all paper and paperboard imports for which tonnage is reported in classifications used prior to 1st January 1964 as well as in the present Import Classification which took effect as of that date. Commodities now classed as "End products" and for which tonnage is no longer available (such as paper boxes and bags and carbon paper) having been eliminated throughout, all series are fully comparable.

Source: Dominion Bureau of Statistics.

Table 56.

Imports of Paper and Paper Goods

	Paper and Paper Goods (a)
1935	5,828,073
1940	8,858,180
1941	9,341,390
1942	10,675,315
1943	10,701,736
1944	12,156,601
1945	13,376,067
1946	18,834,089
1947	23,027,200
1948	17,212,565
1949	20,207,068
1950	23,433,530
1951	34,831,145
1952	29,920,960
1953	39,208,074
1954	43,558,314
1955	52,690,400
1956	62,217,354
1957	62,248,666
1958	65,735,027
1959	68,273,462
1960	68,910,036
1961	75,719,189
1962	80,379,275
1963	76,644,724
1964a	79,254,976
1965a	87,551,000

a: Comparable items of new (1964) classification.

Source: Dominion Bureau of Statistics.

Table 57.

Other Paper and Paperboard
Annual Capacity

January 1st,	Paper- board	Wrapping Paper	Book and Writing Paper	Tissue and Sanitary Paper
		Thousands of tons		
1952	821	260	264	92
1953	836	265	268	98
1954	852	258	272	109
1955	920	293	282	120
1956	942	307	349	121
1957	1,026	318	357	133
1958	1,085	371	386	141
1959	1,116	359	392	147
1960	1,162	357	429	161
1961	1,220	377	459	167
1962	1,241	371	485	174
1963	1,332	412	492	194
1964	1,372	397	578	198
1965	1,399	381	609	221
1966	1,662	404	745	255

Source: Canadian Pulp and Paper Association estimates.

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Table 58.
Pulp and Paper Production and the National Income

	Gross Production of Industry	Gross National Product †(a)
	'000,000	'000,000
1926	\$ 215	\$ 5,152
1930	216	5,728
1935	159	4,315
1940	298	6,743
1941	335	8,328
1942	337	10,327
1943	344	11,088
1944	370	11,850
1945	399	11,835
1946	528	11,850
1947	707	13,165
1948	826	15,120
1949	836	16,343
1950	954	18,006
1951	1,238	21,170
1952	1,158	23,995
1953	1,180	25,020
1954	1,242	24,871
1955	1,327	27,132
1956	1,465	30,585
1957b	1,416	31,909
1958b	1,398	32,894
1959b	1,502	34,915
1960b	1,583	36,287
1961b	1,632	37,471
1962b	1,716	40,575
1963b	1,793	43,424
1964b	1,984	47,403

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about \$175 million.

a: The "gross national product" is the market value of all goods and services produced in Canada.

b: All principal statistics of manufactures (i.e. number of establishments, number of employees, total salaries and wages paid, cost of fuel, electricity and materials used, selling value of factory shipments and value added by manufacture or net value) shown in this publication for the years 1957 to 1960 have been revised by the Dominion Bureau of Statistics on the basis of the new Standard Industrial Classification adopted as of 1st January 1960 and of the new Establishment (reporting unit) Concept adopted as of 1st January 1961. Because of these changes, principal statistics for years prior to 1957 are not fully comparable with those for the years that follow. However, the comparability of the detailed materials and products statistics (i.e. pulpwood consumption, wood pulp production, consumption and shipments of paper and board) is not affected until 1960, when some establishments classed in other industries ceased to report separately their pulp and paper operations. Since 1952, "value of factory shipments" has replaced "gross value of products" in all manufacturing industries except sawmills, aircraft and parts manufacturers, shipbuilding and repair, railway rolling stock industry, and fabricated structural metal industry; also pulp and paper mills and veneer and plywood mills until 1956. As inventories are relatively small in the industries for which factory shipments are used, the general comparability of the figures is not seriously affected.

Source: Dominion Bureau of Statistics.

Table 60. Mill Locations—1964

	Pulp Mills	Pulp & Paper Mills	Paper Mills	Total
Newfoundland	—	2	—	2
Nova Scotia	2	2	—	4
New Brunswick	5	3	1	9
Quebec	12	33	11	56
Ontario	4	23	12	39
Manitoba	—	3	—	3
Saskatchewan	—	1	—	1
Alberta	1	2	—	3
British Columbia	7	6	1	14
Canada	31	75	25	131

Source: Dominion Bureau of Statistics.

Table 59.
Pulp and Paper Exports and Canadian Trade

	Pulp & Paper Exports	Total Domestic Exports of Canada	Pulp & paper exports to total exports — %
1919	\$ 97,168,278	\$1,253,958,483	7.86
1920	163,127,988	1,268,014,533	12.86
1925	154,555,951	1,239,554,207	12.47
1930	177,590,222	863,683,761	20.56
1935	121,667,321	724,977,459	16.78
1940	231,809,675	1,178,954,420	19.66
1941	262,081,761	1,621,003,175	16.17
1942	253,104,957	2,363,773,296	10.71
1943	260,838,237	2,971,475,277	8.78
1944	278,853,306	3,439,953,165	8.11
1945	309,066,903	3,218,330,353	9.60
1946	401,458,464	2,312,215,301	17.36
1947	550,872,950	2,774,902,355	19.85
1948	628,245,992	3,075,438,085	20.43
1949	630,544,034	2,998,356,417	21.03
1950	713,869,791	3,118,386,551	22.89
1951	939,239,090	3,914,460,376	23.99
1952	913,999,811	4,301,080,679	21.25
1953	887,751,816	4,117,405,882	21.56
1954	927,356,199	3,881,271,854	23.89
1955	991,543,046	4,281,784,253	23.16
1956	1,045,828,442	4,789,745,693	21.83
1957	1,043,559,448	4,839,094,393	21.56
1958	1,010,147,393	4,823,347,122	20.91
1959	1,073,485,013	5,060,710,152	21.21
1960	1,123,823,860	5,255,574,898	21.38
1961	1,151,558,228	5,754,985,880	20.00
1962	1,174,145,093	6,178,523,248	19.00
1963	1,226,130,150	6,798,538,017	18.04
1964	1,368,731,349	8,094,360,078	16.91
1965	1,442,097,366	8,522,953,449	16.21

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports. Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 61. Growth of the Industry

	Pulp and Paper Mills (a)	Total Employees	Total Production (b)
1871	21	760	\$ 1,071,651
1881	41	1,588	2,509,993
1891	58	2,817	3,633,257
1901	53	6,236	8,627,557
1911	72	9,766	23,226,479
1921	100	24,619	151,003,165
1931	103	26,669	174,733,954
1941	106	37,154	334,726,175
1945	109	39,996	398,804,515
1947	115	49,946	706,971,628
1949	123	52,050	836,148,393
1950	123	52,343	954,137,651
1951	126	57,291	1,237,897,470
1952	128	57,803	1,157,887,657
1953	127	58,194	1,179,665,443
1954	125	60,837	1,241,665,451
1955	125	62,205	1,326,938,138
1956	126	65,985	1,465,057,726
1957c	127	66,067	1,415,821,000
1958c	127	64,199	1,398,349,000
1959c	126	65,162	1,502,312,000
1960c	126	65,772	1,583,107,000
1961c	125	65,799	1,632,834,000
1962c	125	64,885	1,716,300,000
1963c	126	65,049	1,793,231,000
1964c	131	67,729	1,984,114,000

a: Number of mills operated during year.

b: Includes products other than pulp or paper.

c: See footnote b, Table 60.

Source: Dominion Bureau of Statistics.

Table 62. Production by Provinces 1964

Provinces	Wood Pulp Tons	Basic Paper and Board Tons
Quebec	5,204,044	4,391,366
Ontario	3,317,304	2,768,426
British Columbia	2,827,281	1,351,574
Other Provinces	2,393,155	1,445,023
Canada	13,741,784	9,956,389

Source: Dominion Bureau of Statistics.

Table 64.
Production and Exports of all Paper and Board

	Production		Exports	
	Tons	Value	Tons (a)	Value
1920	1,214,951	\$132,022,767	780,932	\$ 86,744,010
1925	1,884,705	140,160,675	1,442,296	106,624,046
1930	2,926,787	173,305,874	2,372,640	138,530,243
1935	3,280,896	125,752,650	2,617,579	94,041,591
1940	4,319,414	225,836,809	3,489,946	170,879,526
1941	4,524,776	241,450,292	3,587,181	176,184,025
1942	4,231,767	230,269,512	3,241,941	156,938,084
1943	3,966,344	234,036,152	2,983,882	160,825,462
1944	4,044,376	255,545,841	3,012,975	177,290,282
1945	4,359,576	282,837,614	3,285,611	203,011,992
1946	5,347,118	396,956,390	4,045,795	287,437,805
1947	5,775,082	507,101,277	4,452,090	373,070,338
1948	6,063,646	582,346,842	4,587,501	416,681,608
1949	6,539,969	641,459,838	4,952,283	459,039,871
1950	6,812,035	710,153,826	5,118,417	505,314,242
1951	7,225,271	824,029,649	5,359,303	574,106,206
1952	7,201,800	838,105,108	5,526,127	622,136,313
1953	7,376,526	887,858,473	5,541,197	639,079,083
1954	7,649,607	925,590,643	5,675,072	655,938,194
1955	8,000,213	981,439,247	5,989,991	694,238,977
1956	8,466,785	1,070,492,355	6,203,451	741,291,945
1957	8,299,889	1,056,371,332	6,153,847	751,153,346
1958	8,081,293	1,044,640,200	5,929,259	724,698,744
1959	8,549,859	1,106,071,106	6,201,564	762,232,215
1960	8,922,786	1,167,040,412	6,489,679	798,702,288
1961	8,990,130	1,219,372,104	6,568,437	804,897,515
1962	9,089,016	1,260,845,589	6,519,848	804,242,670
1963	9,277,517	1,245,469,350	6,657,083	820,837,722
1964	10,247,869	1,409,114,477	7,332,268	907,877,428
1965	10,759,247e	n.a.	7,753,890	947,595,981

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 52). The value figures, however, cover all exports of paper and paper products.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 63. Capital Expenditures

Year	Capital Construction and Equipment Millions of Dollars	Capital Machinery and Equipment Expenditures Millions of Dollars	Total Expenditures
1948	25.7	53.6	79.3
1949	24.2	47.6	71.8
1950	17.9	50.7	68.6
1951	35.1	73.8	108.9
1952	29.0	86.6	115.6
1953	18.5	73.4	91.9
1954	13.8	55.2	69.0
1955	26.9	91.4	118.3
1956	79.4	160.2	239.6
1957	52.1	182.3	234.4
1958	18.1	88.7	106.8
1959	21.7	88.5	110.2
1960	27.8	113.5	141.3
1961	33.1	105.3	138.4
1962	34.5	113.3	147.8
1963	36.4	145.2	181.6
1964	64.7	229.0	293.7
1965a	112.9	269.1	382.0
1966a	112.7	372.8	485.5

a: 1948-1964, Actual Expenditures; 1965, Preliminary Actual; 1966, Intentions.

Source: Dominion Bureau of Statistics, Business Finance Division.

Table 65. Principal Canadian Exports

	1963	1964	1965
	Thousands of Dollars		
Newsprint	759,990	834,646	869,586
Wheat	786,804	1,023,516	840,175
Wood pulp	405,292	460,854	493,501
Lumber	452,484	477,346	489,934
Aluminum, including alloys	302,730	317,937	360,965
Iron ores and concentrates	270,949	356,007	360,819
Crude petroleum	233,867	262,023	279,956
Nickel and alloys	175,368	197,145	207,864
Aircraft and parts	108,293	248,784	207,037
Copper and alloys	166,517	190,363	194,850
Nickel in ores, concentrates and scrap	149,236	166,036	189,336
Asbestos, unmanufactured	139,447	155,706	158,657
Passenger automobiles and chassis	28,040	67,667	148,643
Motor vehicle parts, except engines	34,318	63,959	128,444
Whisky	90,125	102,820	116,990
Hay and harvesting machinery	75,172	98,793	116,126
Fertilizers and fertilizer materials	74,756	86,750	111,831
Fish, fresh or frozen	81,399	94,362	109,370
Natural gas	75,630	97,609	104,280
Synthetic rubber and plastic materials	88,406	98,723	87,885
Live animals	41,971	34,514	79,133
Plate, sheet and strip of steel	61,350	71,708	78,140
Copper in ores, concentrates and scrap	53,797	65,573	77,831
Zinc, including alloys	42,276	62,345	71,588
Communication and related equipment	52,193	51,907	70,769
Zinc in ores, concentrates and scrap	18,805	54,776	69,849
Wheat flour	62,616	100,255	66,405
Primary iron and steel	59,540	76,410	65,906
Meat, fresh or frozen	27,274	36,065	59,542
Organic chemicals	41,797	48,244	55,172
Radioactive ores and concentrates	137,531	74,653	53,698
Flaxseed	38,560	48,662	51,658

Source: Dominion Bureau of Statistics.

Table 66. Exports of Canadian Products to the United States

	1963	%	1964	%	1965	%
Live animals	\$ 38,312,169	1.02	30,114,551	.71	\$ 72,007,896	1.49
Food, feed, beverages and tobacco	332,872,162	8.84	361,968,925	8.48	408,917,427	8.45
Crude materials, inedible	881,410,542	23.40	978,036,869	22.91	1,012,190,173	20.92
Pulpwood & pulpwood chips	26,717,073	.71	23,225,176	.54	23,141,480	.48
Mutilated newsprint	2,008,150	.05	2,318,890	.05	2,265,779	.05
Waste paper, n.o.p.	1,799,357	.05	2,097,160	.05	2,890,666	.06
Fabricated materials, inedible	2,069,228,371	54.94	2,237,248,705	52.38	2,481,705,202	51.29
Wood pulp	309,915,338	8.23	346,016,962	8.10	371,427,884	7.68
Newsprint	636,086,302	16.89	689,405,679	16.14	735,611,221	15.20
Paperboard & building board	4,997,144	.13	5,777,763	.14	6,668,734	.14
All other paper	10,984,840	.29	14,309,897	.34	19,470,026	.40
End products, inedible	425,435,529	11.29	642,974,538	15.06	845,540,102	17.47
Paper products	621,548	.02	739,811	.02	892,704	.02
Special transactions — Trade	19,130,234	.51	20,116,099	.47	18,307,226	.38
Total exports	\$3,766,389,007	100.00	\$4,271,059,087	100.00	\$4,838,668,026	100.00
Pulp, Paper, Paper Products and Pulpwood(a)	\$ 993,129,752	26.37	\$1,083,891,338	25.38	\$1,162,368,494	24.03

(a) Details for 1965 are given in Table 17 according to the Export Classification in effect prior to 1961.

Source: Dominion Bureau of Statistics.

Table 67.

Principal Statistics by Provinces 1964

Provinces	Mills No.	Employees (a) No.	Salaries and Wages (a) \$	Cost of Fuel and Electricity \$	Cost of Materials Used \$	Selling Value of Factory Shipments \$	Value Added by Manufacture \$
Newfoundland	2	3,015	19,192,278	5,956,661	30,200,132	75,474,650	39,114,806
Nova Scotia	4	1,688	8,388,452	2,535,999	18,132,415	40,813,912	20,350,971
New Brunswick	9	4,342	23,202,862	10,618,740	62,347,996	127,099,148	54,278,214
Quebec	56	26,867	155,066,568	56,313,175	312,062,303	734,510,491	366,044,856
Ontario	39	20,637	117,348,698	38,515,926	242,715,774	560,223,880	279,136,579
Manitoba, Saskatchewan and Alberta	7	1,239	6,919,219	3,310,348	20,909,817	51,182,005	26,725,115
British Columbia	14	9,941	64,017,671	21,210,414	160,037,998	394,809,971	217,136,528
	131	67,729	394,135,748	138,461,263	846,406,435	1,984,114,057	1,002,787,069

(a) Woods workers not included.

Source: Dominion Bureau of Statistics.

Table 68.

Ten Leading Canadian Manufacturing Industries 1963*

	Selling Value of Factory Shipments '000 \$ Rank(a)	Value Added by Manufacture '000 \$ Rank(b)	Salaries and Wages '000 \$ Rank(b)	Employment No. Rank(c)
Pulp and paper mills	1,793,231 1	914,258 1	364,513 1	65,040 1
Motor vehicle manufacturers	1,528,726 2	504,557 3	208,236 3	31,509 5
Smelting and refining	1,520,160 3	555,462 2	160,118 6	28,644 6
Petroleum refining	1,322,143 4	265,170 8	61,835 10	9,734 10
Slaughtering and meat packing plants	1,142,317 5	199,374 10	120,880 8	25,548 7
Iron and steel mills	963,206 6	499,303 4	229,217 2	38,196 3
Sawmills (except shingle mills)	690,715 7	313,078 5	180,621 5	45,270 2
Miscellaneous machinery and equipment manufacturers	577,049 8	295,729 6	182,093 4	36,292 4
Manufacturers of industrial chemicals	553,762 9	290,194 7	102,935 9	17,587 9
Motor vehicle parts and accessories manufacturers	544,869 10	249,256 9	137,633 7	25,441 8

* Latest available.

a: Rank in Canadian Manufacturing Industries as a whole.

b: Rank among ten leading industries listed.

c: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper further ahead.

Source: Dominion Bureau of Statistics.

Table 69.

Growth Rates of the Pulp and Paper Industry,
the Total Economy and Selected Groups of Industries

	Real Do- mestic Product	Total Goods	Total Manu- facturing	Pulp and Paper	Food and Bever- ages	Textiles	Iron and Steel Products	Transpor- tation Equip- ment	Chemicals & Allied Products	Electrical Apparatus & Supplies	Non-fer- rous Metal Products	Con- struc- tion	Total Services
1949 weights	100.000	53.080	27.340	2.108	3.814	1.623	4.026	2.651	1.359	1.418	1.601	6.379	46.920
1935	49.7	49.2	39.0	43.6	44.5	49.7	29.2	34.2	31.4	22.9	40.1	33.5	50.2
1936	52.4	51.9	43.0	47.4	49.8	55.5	33.8	35.5	33.7	25.0	46.7	37.5	52.9
1937	56.7	58.1	49.2	54.0	53.1	59.8	42.9	43.4	39.3	32.5	54.4	44.7	55.5
1938	56.5	58.0	45.3	41.2	53.1	48.1	36.6	38.1	37.9	28.0	55.8	42.2	55.2
1939	60.2	63.3	48.7	47.6	56.3	59.5	39.1	37.7	40.7	28.4	58.4	43.4	57.3
1940	69.2	72.5	60.4	58.1	62.4	81.1	58.9	61.1	49.8	41.9	70.5	49.1	66.2
1941	80.6	83.7	78.7	63.5	72.3	91.7	86.4	106.1	77.2	61.8	98.9	63.6	77.9
1942	95.0	102.1	96.1	62.1	77.6	102.0	114.7	157.1	126.5	74.9	130.4	67.9	88.5
1943	99.0	99.0	104.0	59.5	80.8	93.8	131.6	198.4	135.1	85.0	145.6	65.6	99.2
1944	103.0	101.4	106.1	63.1	89.5	87.9	118.4	235.7	142.8	85.5	130.9	53.5	104.7
1945	97.0	89.5	92.9	67.7	91.7	87.5	96.3	157.0	107.1	70.7	98.8	54.9	104.3
1946	89.8	88.2	85.2	80.5	98.0	88.7	80.8	80.6	87.0	67.7	81.8	68.4	91.6
1947	93.8	93.4	93.2	89.1	97.2	94.0	93.6	95.3	90.8	89.6	89.6	79.7	94.2
1948	97.1	98.3	97.3	95.1	98.5	97.3	101.5	97.2	95.7	91.5	99.2	89.2	95.8
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.5	107.7	106.7	108.1	102.9	112.5	102.7	107.9	108.9	112.5	104.2	106.7	105.2
1951	114.8	118.2	115.9	118.0	106.5	115.1	118.1	130.4	123.9	120.8	114.4	110.6	111.1
1952	123.2	127.9	120.2	113.0	113.5	104.5	120.6	149.4	133.0	124.5	111.2	123.2	117.8
1953	127.4	131.6	128.9	117.5	116.6	111.1	118.0	168.6	148.7	150.9	120.0	130.1	122.7
1954	124.7	125.1	126.0	122.1	120.9	100.2	110.9	138.1	161.7	151.7	118.2	129.8	124.3
1955	137.4	141.2	138.3	126.3	125.7	120.0	130.7	147.7	175.3	174.9	128.5	139.8	133.0
1956	149.6	156.0	151.2	136.1	133.2	124.4	153.6	159.2	192.4	197.5	135.5	165.7	142.3
1957	149.6	153.1	150.9	131.8	138.5	125.4	150.6	155.8	208.6	183.5	133.4	174.7	145.6
1958	151.5	153.9	148.0	129.2	145.1	121.2	135.4	137.0	222.0	179.5	130.0	178.4	148.7
1959	159.8	162.2	159.0	140.1	152.3	137.0	155.9	135.7	228.7	190.6	142.0	170.7	157.1
1960	162.5	164.2	161.2	149.5	153.9	138.9	151.5	136.9	245.5	190.4	156.2	163.0	160.5
1961	165.7	166.0	166.9	154.8	159.1	152.1	156.6	138.1	250.3	197.9	156.3	168.4	165.3
1962	176.5	180.1	181.2	160.4	167.3	167.7	174.5	165.3	262.9	236.5	158.8	170.9	172.4
1963	186.4	191.7	193.9	165.6	172.2	186.0	191.0	190.2	282.5	254.9	159.8	173.6	180.4
1964	197.9	205.0	211.9	182.0	185.6	203.3	215.2	210.5	312.7	279.1	174.2	190.4	189.9
1965	211.3	220.8	230.1	192.8	193.1	220.6	239.1	250.0	344.7	319.2	186.9	206.7	200.5

Source: Dominion Bureau of Statistics. Compiled from "Indexes of Real Domestic Product by Industry of Origin, 1935-61" and "Revised Index of Industrial Production, 1935-57" and May, 1966 Supplement to the Monthly Index of Industrial Production prepared in National Accounts and Balance of Payments Division, Industrial Output Section.

Table 70.

Employees and Wages

	Total Employees	Employees On Salary	Total Salaries Paid	Average Salary	Employees on Wages	Total Wages Paid	Average Wage	Wage Index (a)	Consumer Price Index (b)	Total Salaries & Wages
1920	31,298	2,669	\$ 6,536,579	\$2,449	28,629	\$ 38,717,314	\$1,352	47.4	90.5	\$ 45,253,893
1925	28,031	2,971	6,816,191	2,294	25,060	31,744,714	1,267	44.4	74.6	38,560,905
1930	33,207	3,532	9,538,588	2,701	29,675	36,236,388	1,221	42.8	75.3	45,774,976
1935	27,836	3,290	7,827,961	2,379	24,546	28,065,352	1,143	40.1	59.9	35,893,313
1940	34,719	4,630	11,693,329	2,526	30,089	44,380,483	1,475	51.7	65.7	56,073,812
1941	37,154	4,970	12,924,964	2,601	32,184	50,752,854	1,577	55.3	69.6	63,677,818
1942	38,002	5,071	13,618,478	2,686	32,931	56,037,915	1,702	59.7	72.9	69,656,393
1943	37,020	5,384	14,663,655	2,724	31,636	56,535,767	1,787	62.7	74.2	71,199,422
1944	37,896	5,488	15,617,507	2,846	32,408	60,215,901	1,858	65.1	74.6	75,833,408
1945	39,996	5,981	16,766,154	2,803	34,015	63,696,490	1,873	65.7	75.0	80,462,644
1946	44,967	6,910	20,959,990	3,033	38,057	80,404,646	2,113	74.1	77.5	101,364,636
1947	49,946	7,706	26,286,577	3,411	42,240	103,191,418	2,443	85.7	84.8	129,477,995
1948	51,924	8,066	30,459,864	3,776	43,858	121,202,897	2,764	96.9	97.0	151,662,768
1949	52,050	8,243	32,784,295	3,977	43,807	124,919,573	2,852	100.0	100.0	157,703,861
1950	52,343	8,578	35,729,300	4,165	43,765	133,517,231	3,051	107.0	102.9	169,246,531
1951	57,291	9,413	44,126,918	4,688	47,878	169,042,988	3,531	123.8	113.7	213,169,906
1952	57,803	9,493	48,119,514	5,069	48,310	177,233,813	3,669	128.6	116.5	225,353,327
1953	58,194	9,394	49,932,103	5,315	48,800	185,809,557	3,808	133.5	115.5	235,741,660
1954	60,837	9,689	53,304,859	5,502	51,148	199,293,524	3,896	136.6	116.2	252,598,383
1955	62,205	9,933	55,980,812	5,636	52,272	209,317,307	4,004	140.4	116.4	265,298,119
1956	65,985	10,867	64,075,889	5,896	55,118	233,496,055	4,236	148.5	118.1	297,571,944
1957c	66,067	11,503	70,408,000	6,121	54,564	237,582,000	4,354	152.7	121.9	307,990,000
1958c	64,199	11,602	74,301,000	6,404	52,597	233,571,000	4,441	155.7	125.1	307,872,000
1959c	65,162	11,711	77,560,000	6,623	53,451	245,376,000	4,591	161.0	126.5	322,936,000
1960c	65,772	12,459	84,894,000	6,814	53,313	260,199,000	4,881	171.1	128.0	345,093,000
1961c	65,799	12,371	83,936,000	6,785	53,428	271,235,000	5,077	178.0	129.2	355,171,000
1962c	64,885	11,140	73,387,000	6,588	53,745	281,858,000	5,244	183.9	130.7	355,245,000
1963c	65,049	11,058	74,405,000	6,729	53,982	290,108,000	5,374	188.4	133.0	364,513,000
1964c	67,729	11,300	78,163,000	6,917	56,429	315,973,000	5,599	196.3	135.4	394,136,000

NOTE: Woods labour not included.

a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.

b: Constructed to replace Cost of Living Index.

c: See footnote b, Table 60.

Source: Dominion Bureau of Statistics.

Table 71. Capital, Employees, and Wages

	Capital Employed (b)	Number of Employees (a)	Capital Employed per employee	Total Salaries & Wages (a)
1920	\$ 347,553,333	31,298	\$11,105	\$45,253,893
1925	460,397,772	28,031	16,425	38,560,905
1930	703,937,104	33,207	21,198	45,774,976
1935	545,572,938	27,836	19,600	35,893,313
1940	642,979,942	34,719	18,520	56,073,812
1941	678,937,841	37,154	18,274	63,677,818
1942	655,598,196	38,002	17,251	69,656,393
1943	667,458,143	37,020	18,029	71,199,422
1944	1,064,240,000	37,896	28,083	75,833,408
1945	1,169,743,000	39,996	29,246	80,462,644
1946	1,241,930,000	44,967	27,619	101,364,636
1947	1,358,133,000	49,946	27,192	129,477,995
1948	1,412,186,000	51,924	27,197	151,662,768
1949	1,449,289,000	52,050	27,844	157,703,868
1950	1,576,022,000	52,343	30,110	169,246,531
1951	1,836,460,000	57,291	32,055	213,169,906
1952	1,872,114,000	57,803	32,388	225,353,327
1953	2,110,262,000	58,194	36,263	235,741,660
1954	2,590,923,000	60,837	42,588	252,598,383
1955	2,684,000,000	62,205	43,147	265,298,119
1956	3,021,600,000	65,985	45,792	297,571,944
1957c	3,233,800,000	66,067	48,947	307,990,000
1958c	3,362,700,000	64,199	52,379	307,872,000
1959c	3,548,400,000	65,162	54,455	322,936,000
1960c	3,733,400,000	65,772	56,763	345,093,000
1961c	3,960,000,000	65,799	60,182	355,171,000
1962c	4,039,900,000	64,885	62,278	355,245,000
1963c	4,192,700,000	65,049	64,454	364,513,000
1964c	4,678,200,000e	67,729	69,072e	394,136,000

a: Woods labour is not included.

b: Figures on capital employed were compiled by the Dominion Bureau of Statistics from 1920 to 1943. Those for 1944 on are taken from "Taxation Statistics", published by the Department of National Revenue. The two series are not exactly comparable. The former excludes the value of inactive mills, timber limits, power developments, and investments, in wholly or partly owned subsidiaries and other enterprises. The latter includes such assets but does not cover pulp and paper mills operated by companies classed in other industries according to their principal or end product such as lumber, paper boxes, and roofing paper. For the years 1944-47 the figures cover only "profit" companies; since 1948 they cover both "profit" and "loss" companies. In 1963, the 86 pulp and paper companies covered had total assets of \$4,192,700,000 and current liabilities of \$441,300,000.

c: See footnote b, Table 60.

e: Canadian Pulp and Paper Association estimate.

Sources: Dominion Bureau of Statistics and Department of National Revenue.

Table 72.

Estimated Wages Paid and Numbers
Employed in 1964

Wages	
Mill Workers	\$394,135,748
Wood Workers*	295,000,000
	\$689,135,748
Workers	
Seasonal woods workers on manufacturers' limits east of the Rockies†	104,000
Permanent woods workers on manufacturers' limits east of the Rockies	4,000
Woods workers in B.C., mostly permanent	9,200
Woods workers cutting wood for sale to manufacturers	105,000
	222,200
Mill Workers, permanent	67,729
	289,929

*Includes an estimated \$145,000,000 to the 105,000 woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.

Table 73. Principal Expenditures 1964

Transportation(e)	\$300,000,000
Chemical & mill supplies*	255,255,187
Fuel*	72,001,512
Electricity*	66,459,751
Fibre and fibre stock*	20,441,675
Purchased pulpwood**	48,000,000
Purchased wood-residue (for pulping)*	68,709,876
Foods(e)	19,000,000
Taxes(e)	275,000,000
Paid for work done on materials supplied*	3,439,478
Wages, including woods workers**	689,135,748
	1,817,443,227

e: Canadian Pulp and Paper Association estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1964 totalled \$145,000,000 from which has been deducted \$97,000,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the \$689,135,748 shown as wages. See also Table 74.

† There is some duplication where the value of purchased pulpwood, mill supplies, fuel, chemicals, and so forth, include substantial transportation costs to the mill.

Table 74. Car Loadings

	1964 Carloads	%	1965 Carloads	%
Forest Products				
Pulp and paper	260,930	6.64	262,536	6.59
Pulpwood	127,185	3.24	136,816	3.44
	388,115	9.88	399,352	10.03
Other forest products	306,730	7.81	297,186	7.47
	694,845	17.69	696,538	17.50
Agricultural Products				
Grain	450,045	11.46	394,731	9.91
Grain products	104,318	2.65	89,195	2.24
Other agricultural products	66,361	1.69	59,951	1.51
	620,724	15.80	543,877	13.66
Animal Products	56,655	1.44	58,171	1.46
Mineral Products				
Coal	145,200	3.70	136,283	3.42
Coke	22,984	.58	20,062	.50
Ores and concentrates	553,097	14.08	620,170	15.58
Iron and steel: pig, bloom and ingot	13,829	.35	13,819	.35
Non-ferrous metals: pig, matte, ingot & manufactured products	39,275	1.00	43,312	1.09
Agricultural implements, tractors, automobiles, trucks and parts	71,651	1.82	79,835	2.00
Machinery, boilers, castings and other iron and steel products	83,584	2.13	90,192	2.27
Crude petroleum, gasoline, fuel oil and other petroleum products	271,688	6.91	273,767	6.88
Sand, gravel, stone, cement, plaster, lime, brick, tile, sewer and drain pipes, and other mineral products	385,344	9.81	404,687	10.17
	1,586,652	40.38	1,682,127	42.26
Other Products				
Sugar, canned goods, beverages	69,325	1.76	72,832	1.83
Fertilizers	65,854	1.68	73,228	1.84
Miscellaneous	543,305	13.83	578,385	14.53
	678,684	17.27	724,445	18.20
Merchandise, L.C.L.	291,561	7.42	275,635	6.92
Grand Total	3,929,121	100.00	3,980,793	100.00

Note: Car loadings of pulp and paper and pulpwood in 1965 were equivalent to 719 cars and 375 cars respectively, every day in the year. A proportion of the pulpwood car loading included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to over eight trains of 100 cars daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 2,500 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Table 75. Power Utilization

	in 000's of kwh including off-peak power	
	1962	1963p
Pulp and Paper industry	20,182,620	19,538,655e
Other manufacturing industries	40,327,862	42,045,878e
Mining companies	4,987,875	5,919,613e
Commercial customers	15,305,132	17,901,102e
Residential and farm.	23,692,010	25,266,588
Street lighting	819,121	868,430

e: Canadian Pulp and Paper Association estimate.

p: Preliminary.

Note: The power consumption of the pulp and paper mills accounts for about 33 per cent of all the power generated for the manufacturing industries. These mills also produce over 20 per cent of the power generated by industry (including mining) and account for about 19 per cent of the total consumption of electricity in Canada.

Source: Dominion Bureau of Statistics.

Table 76. Operations and Mills 1964

	Number of Producing Companies Mills	
Groundwood, bleached	7	9
Groundwood, unbleached	42	64
Mechanical screenings	9	12
Soda pulp	1	1
Dissolving and Special Alpha (Sulphite and Sulphate)	3	6
Dissolving and Special Alpha screenings	1	1
Bleached sulphite (paper pulp)	15	19
Unbleached sulphite (strong)	10	14
Unbleached sulphite (news grade)	20	30
Sulphite screenings	11	16
Sulphate pulp, bleached (paper pulp)	16	18
Sulphate pulp, semi-bleached	10	12
Sulphate pulp, unbleached	12	17
Sulphate screenings	5	5
Semi-chemical pulp	4	5
Defibrated and exploded pulps	7	11
All other wood pulp	2	2
Newsprint	25	42
Groundwood printing and specialty papers	5	6
Book paper	6	14
Fine papers	7	14
Miscellaneous fine papers	7	13
Tissue paper other than sanitary	7	1
Sanitary paper	8	12
Special industrial papers	1	4
Wrapping papers	16	22
Building papers	9	11
Paperboard	24	47
Building boards	10	14
Wet machine boards	3	3
Paper products	14	18

Source: Dominion Bureau of Statistics.

Table 77.

Canadian Consumption of Paper and Paperboard

Pounds per capita										
	News- print	Paper- board	Wrapping Paper	Fine Paper(a)	Tissue Paper	Sanitary Paper	Building Boards	Building Papers	Other Paper & Boards	Total
1930	40.0	46.5	14.1	19.1	1.3	1.2	2.5	5.2	2.0	131.8
1935	43.1	43.5	13.9	16.8	.8	2.6	3.9	3.7	1.8	130.1
1940	26.5	57.8	17.8	22.5	1.4	5.6	11.5	4.6	1.6	149.3
1941	28.9	66.0	22.4	25.1	1.5	5.9	15.2	4.2	1.2	170.5
1942	29.0	70.1	23.1	27.1	1.6	6.3	17.4	5.9	1.4	181.9
1943	23.7	64.0	21.2	26.2	1.4	7.2	19.6	5.8	1.4	170.4
1944	30.4	77.3	22.3	22.5	1.6	7.1	6.8	8.5	1.2	177.7
1945	39.8	77.7	22.5	23.7	2.2	6.9	6.8	10.4	1.3	191.3
1946	42.0	88.5	25.6	27.4	3.2	6.6	9.8	12.2	1.8	217.2
1947	35.4	92.4	27.5	29.1	2.1	8.9	13.4	12.8	1.8	223.5
1948	50.3	94.8	29.1	27.9	1.8	8.7	15.8	13.1	1.7	243.3
1949	51.7	93.6	27.2	27.2	1.9	8.9	19.5	12.3	2.7	245.0
1950	47.0	105.2	31.3	29.7	2.1	9.7	15.1	13.3	3.4	256.7
1951	53.2	112.5	34.8	32.2	2.2	10.7	16.9	12.4	3.6	278.6
1952	53.9	100.3	29.1	27.1	1.6	9.5	16.0	11.7	3.0	252.2
1953	52.1	112.1	31.1	29.2	1.7	10.6	18.4	12.4	3.1	270.6
1954	56.9	107.7	31.5	30.4	1.8	11.2	18.3	11.6	2.8	272.2
1955	49.1	112.2	31.8	31.0	2.4	11.7	17.0	12.9	2.9	271.0
1956	61.8	121.6	34.5	34.3	2.7	12.9	22.5	12.1	2.9	305.3
1957	59.0	112.7	31.8	33.1	2.5	13.1	20.5	10.4	2.7	285.7
1958	57.1	119.2	31.6	32.9	2.5	13.7	23.7	11.0	2.3	293.9
1959	50.6	121.0	33.6	35.3	2.9	14.1	24.0	10.0	2.4	293.8
1960	53.1	117.2	32.8	34.9	2.5	14.0	24.3	8.6	2.2	289.8
1961	57.1	115.6	31.8	35.2	2.3	15.2	24.4	8.2	2.4	292.1
1962	55.8	122.5	32.1	35.9	2.5	15.4	22.4	9.5	2.7	298.8
1963	55.9	127.1	33.6	36.4	2.6	18.2	21.9	9.4	2.7	307.8
1964	56.5	135.4	35.2	39.4	2.6	18.7	21.4	8.9	1.9	320.0
1965e	60.3	138.2	36.1	41.2	2.6	19.3	21.0	8.5	1.9	329.1

NOTE: These figures do not include tonnages imported as converted paper products, such as books, magazines, advertising matter, packages, etc.

a: Excluding coated paper.

e: Estimated by Canadian Pulp and Paper Association.

Sources: Dominion Bureau of Statistics, Newsprint Association of Canada, and Canadian Pulp and Paper Association.

Table 78.

Payrolls and Weekly Earnings
in Important Industries
1964

Industry	Average Number of Employees	Average Weekly Payrolls	Average Weekly Earnings
Pulp & Paper	70,031	7,900,750	112.82
Electrical apparatus	88,453	8,374,971	94.68
Automobiles, parts & accessories	66,484	7,615,799	114.55
Chemical products**	58,780	6,182,582	105.18
Non-ferrous metal products*	57,504	5,779,326	100.50
Aircraft & parts	29,249	3,154,187	107.84
Primary iron and steel	42,838	4,904,253	114.48
Meat products	31,269	2,729,246	87.28
Rubber products	23,429	2,175,120	92.84
Shipbuilding & repairing	21,390	2,025,523	94.69

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

** Includes all classes of chemical manufactures.

Source: Dominion Bureau of Statistics.

Table 79.

Principal Statistics of the
Paper Converting Industries

	1963	1964
Number of establishments	465	474
Number of employees	32,018	33,828
Salaries and wages paid	\$141,538,000	\$156,149,000
Cost of fuel and electricity	6,040,000	6,536,000
Cost of materials used	390,200,000	427,693,000
Selling value of factory shipments*	659,206,000	723,231,000
Value added by manufacture	270,022,000	302,071,000

Note: These figures cover only converted paper products produced in the Folding Boxes and Set-up Boxes, Corrugated Boxes, Paper Bag, Miscellaneous Paper, and Asphalt Roofing industries. In addition, some 20 paper-mills have converting plants whose operations are included in the Pulp and Paper industry, and there are also several plants in the Printing Trades and other industries which make paper boxes and other converted paper commodities as secondary products.

* See footnote b, Table 60.

Source: Dominion Bureau of Statistics.

"G"—WORLD FIGURES

Table 80. World Production of Wood Pulp

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA	12,067	23,322	36,747	47,722
Canada	5,494	8,473	a11,431	a14,426
United States	6,573	14,849	a25,316	a33,296
WESTERN EUROPE	10,557	9,876	17,242	22,883
Austria	446	421	777	818
Belgium	40	86	170	243
Denmark	6	1	6	53
Finland	2,536	2,109	4,078	6,146
France	387	551	1,254	1,600
Germany (West)	1,276	1,008	1,584	1,534
Ireland	—	—	24	34
Italy	193	287	497	729
Netherlands	133	100	137	174
Norway	1,208	1,183	1,814	2,167
Portugal	6	7	94	207
Spain	11	28	166	366
Sweden	3,977	3,801	6,173	8,150
Switzerland	116	157	262	304
United Kingdom	222	137	206	358
LATIN AMERICA	30	264	845	1,614
Argentina	—	17e	48	115
Brazil	—	153e	498	974
Chile	9	17	112	225
Colombia	—	—	—	34
Mexico	21	77	187	266
AFRICA, MIDDLE EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	996	1,004	4,863	7,386
Rep. of South Africa	—	36	262	618
Turkey	3	13	46	83
India	—	—	20	73
Japan	b993	825	3,884	a5,688
Pakistan	—	—	26	45
Taiwan	—	—	16	—
Australia	—	103	315	419
New Zealand	—	27	294	460
TOTAL FOR ABOVE COUNTRIES	23,650	34,466	59,697	79,605
TOTAL, OTHER COUNTRIES	3,223	3,696	6,930	8,556
Bulgaria	8	6	—	—
Czechoslovakia	379	386	—	—
Germany (East)	1,400e	607	—	—
Hungary	7	7	—	—
Poland	191	275	—	—
Romania	62	110	—	—
U.S.S.R. (d)	1,139	2,255	—	—
Yugoslavia	37	50	230	449
TOTAL, WORLD	26,873	38,162	66,627	88,161

—: Nil.

a: Screenings included.

b: Japan includes Taiwan in 1937.

d: Includes Estonia, Lithuania and Latvia for all years.

e: Estimated.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 81. World Consumption of Wood Pulp

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA	13,286	23,801	35,473	45,712
Canada	4,641	6,663	8,918	10,681
United States	8,645	17,138	26,555	35,031
WESTERN EUROPE	9,316	8,920	17,481	23,187
Austria	246	301	585	707
Belgium	175	256	333	436
Denmark	61	82	123	145
Finland	916	945	2,329	3,822
France	1,113	1,082	1,981	2,380
Germany (West)	1,889	1,250	2,334	2,658
Greece	27	32	62	93
Ireland	10e	24	53	67
Italy	471	547	1,186	1,743
Netherlands	254	263	543	692
Norway	480	603	981	1,247
Portugal	18	20	102	106
Spain	46	91	280	582
Sweden	1,175	1,497	2,954	4,470
Switzerland	131	187	370	442
United Kingdom	2,304	1,740	3,265	3,597
LATIN AMERICA (EXCEPT CUBA)	247	582	1,178	2,049
Argentina	47	98	137	279
Brazil	110	298	605	971
Chile	26	42	127	211
Colombia	—	3	31	85
Mexico	61	133	241	357
Peru	—	—	n.a.	10
Uruguay	—	—	n.a.	27
Venezuela	3	8	37	109
AFRICA, MIDDLE EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	1,593	1,140	5,167	8,185
Morocco	—	—	n.a.	10
Rep. of South Africa	1	38	190	398
United Arab Rep. — Egypt	—	6	32	69
Israel	—	—	n.a.	17
Turkey	10	17	55	84
India	12	9	108	167
Japan	b1,513	894	4,014	6,234
Korea	—	—	n.a.	51
Pakistan	—	—	29	65
Philippines	—	—	n.a.	13
South Viet Nam	—	—	n.a.	11
Taiwan	—	—	28	25
Australia	51	139	481	622
New Zealand	6	37	230	419
All others	—	—	n.a.	29
TOTAL FOR ABOVE COUNTRIES	24,442	34,443	59,299	79,162
TOTAL, OTHER COUNTRIES	2,451	3,910	6,763e	8,880
Bulgaria	20	45	—	—
China	18	25	—	—
Cuba	11	22	—	—
Czechoslovakia	239	342	—	—
Germany (East)	807e	596	—	—
Hungary	53	29	—	—
Poland	214	350	—	—
Romania	54	98	—	—
U.S.S.R. (d)	983	2,348	—	—
Yugoslavia	52	55	216	439
TOTAL, WORLD	26,893	38,353	66,062	88,042

—: Nil.

a: Screenings included.

b: Japan includes Taiwan in 1937.

d: Includes Estonia, Lithuania and Latvia for all years.

e: Estimated.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 82. World Production of Wood Pulp, by Grades

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
AMERICA, WESTERN EUROPE, ASIA (EXCEPT CHINA), AFRICA, OCEANIA:				
Dissolving & Special Alpha (Sulphite & Sulphate) . . .	n.a.	1,756	3,447	4,365
Sulphite — Paper Grades . . .	n.a.	7,737	10,340	12,012
Bleached		3,231	5,224	6,674
Unbleached		4,506	5,116	5,338
Sulphate — Paper Grades . . .	n.a.	10,642	23,566	35,520
Bleached & Semi-Bleached . .		2,583	9,567	16,159
Unbleached		8,059	13,999	19,361
Soda	n.a.	350e	609	381
Total, Chemical Wood Pulp . .	13,906	20,841	37,962	52,278
Semi-chemical Wood Pulp . . .	n.a.	1,331e	2,736	4,353
Groundwood	n.a.	11,108	16,248	20,081
Defibrated & Exploded	n.a.	1,119	2,580	2,986
Total, Mechanical Wood Pulp .	n.a.	12,227	18,828	23,067
Screenings	n.a.	n.a.	171	356
Total, Other Grades	9,744	13,985*	21,735	27,776
Total, All Grades	23,650	34,466	59,697	80,054
EASTERN EUROPE, U.S.S.R. AND CHINA:				
Total, Chemical Wood Pulp . .	1,896	2,245	4,684	5,569
Total, Other Grades	1,327	1,451	2,246	2,538
Total, All Grades	3,223	3,696	6,930	8,107
WORLD:				
Total, Chemical Wood Pulp . .	15,802	23,086	42,646	57,847
Total, Other Grades	11,071	15,076	23,981	30,314
Total, All Grades	26,873	38,162	66,627	88,161

n.a.: Not available.

e: Estimated.

*: The sum of the figures shown for 1950 for the various grades of wood pulp does not equal the total figures of 20,841,000 tons for chemical pulp and 13,985,000 tons for other grades because some countries did not provide a breakdown of grades at that time.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 83. World Exports of Wood Pulp, by Countries

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA				
Canada (a)	874	1,846	2,576	3,839
United States	323	96	1,142	1,402
WESTERN EUROPE				
Austria	205	115	224	158
Belgium	26	4	7	39
Denmark	—	—	—	35
Finland	1,620	1,142	1,749	2,324
France	4	2	63	117
Germany (West)	110	60	100	68
Ireland	—	—	—	3
Italy	—	—	4	10
Netherlands	2	2	—	3
Norway	723	602	881	967
Portugal	—	n.a.	48	120
Spain	—	n.a.	—	7
Sweden	2,814	2,306	3,230	3,684
Switzerland	8	15	22	7
United Kingdom	8	—	—	—
LATIN AMERICA				
Brazil	—	—	—	20
Chile	—	—	15	20
AFRICA, ASIA (EXCEPT CHINA), OCEANIA:				
Rep. of South Africa	—	—	82	249
Japan	—	—	22	8
Australia	—	—	1	—
New Zealand	—	1	78	60
TOTAL FOR ABOVE COUNTRIES:	6,717	6,191	10,244	13,140
TOTAL, OTHER COUNTRIES:				
Bulgaria	—	—	—	14*
Czechoslovakia	150	39	49	56*
Germany (East)	73	n.a.	n.a.	n.a.
Hungary	—	—	—	8*
Romania	8	n.a.	n.a.	37*
Poland	3	n.a.	n.a.	n.a.
U.S.S.R. (c)	161	75	269	280e*
Yugoslavia	1	—	43	53
TOTAL, WORLD	7,113	6,305	10,605	13,588

.. Negligible amount.

—: Nil.

*: 1964 figures

a: Includes Newfoundland for all years.

c: Includes Estonia, Lithuania and Latvia for all years.

e: Estimated.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association for all years, except 1964 estimates for other Countries based on F.A.O. data.

Table 84. World Forest Resources

	Forested Area			Forests in Use		
	Total	Access-ible	Non-Access-ible	Conifers	Non-Conifers	Mixed Woods
	Thousand Square Miles	Thousand Square Miles	Thousand Square Miles	Thousand Square Miles	Thousand Square Miles	Thousand Square Miles
WORLD	17,007	10,549	6,458	3,162	2,514	364
North America	2,832	1,546	1,286	725	392	273
Central America	286	210	76	12	29	—
South America	3,694	1,069	2,625	26	231	17
Europe	544	533	11	278	190	41
U.S.S.R.	4,367	4,367	—	1,953	505	—
Africa	2,907	1,468	1,439	6	397	4
Asia	2,007	1,258	749	146	712	27
Pacific Area	370	98	272	16	58	2
CANADA	1,613	721	892	396	83	155

...: Negligible amount.

—: Nil.

Source: FAO World Forest Inventory 1958.

Table 85. World Production of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965* Tons
NORTH AMERICA	4,943,663	6,293,288	8,777,033	9,899,407
Canada	3,997,942	5,278,585	6,738,611	7,719,710
United States	945,721	1,014,703	2,038,422	2,179,697
WESTERN EUROPE	3,337,120	2,532,522	4,132,736	4,859,701
Austria	63,000	78,500	151,637	143,000
Belgium & Luxembourg	59,375	68,000	104,384	110,000
Finland	448,829	459,826	744,301	1,003,701
France	447,100	327,200	485,000	509,000
Greece	—	—	1,000	—
Germany (West)	a521,000	187,000	253,998	234,000
Ireland	—	—	5,000	13,000
Italy	66,120	94,800	324,669	450,000
Netherlands	106,389	95,000	160,373	181,000
Norway	225,832	175,235	247,000	340,897
Portugal	2,534	2,777	18,000	12,000
Spain	21,000	25,000	66,000	80,000
Sweden	309,965	357,904	641,274	753,103
Switzerland	33,000	52,000	99,000	130,000
United Kingdom	1,032,976	609,280	831,100	900,000
LATIN AMERICA (EXCEPT CUBA)	9,017	51,500	139,589	271,000
Argentina	—	1,000	10,600	10,000
Brazil	8,000	34,100	59,184	132,000
Chile	1,017	12,000	56,805	120,000
Mexico	—	—	13,000	9,000
Peru	—	4,400	—	—
AFRICA, NEAR EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	413,000	191,081	1,113,345	1,884,700
Rep. of South Africa	—	—	—	65,000
Rhodesia	—	—	—	5,700
Israel	—	—	5,000	6,500
Turkey	—	5,000	11,210	29,000
Cambodia	—	—	—	1,000
India	—	—	25,310	33,000
Indonesia	—	—	—	1,000
Japan (b)	413,000	145,281	810,191	1,314,000
Korea (b)	—	2,000	29,665	50,000
Pakistan (d)	—	—	23,938	43,000
Taiwan (b)	—	3,800	13,294	16,500
Australia	—	35,000	100,137	104,000
New Zealand	—	—	94,600	215,000
Vietnam	—	—	—	1,000
TOTAL FOR ABOVE COUNTRIES	8,702,800	9,068,421	14,162,703	16,913,808
TOTAL, OTHER COUNTRIES (estimates)	311,801	506,000	1,014,424	1,352,000
Bulgaria	1,000	—	—	—
China	—	39,000	220,000	135,000
Cuba	—	—	16,000	—
Czechoslovakia	54,000	34,000	37,159	80,000
Germany (East)	a	68,000	98,400	145,000
Hungary	4,250	10,000	—	—
Poland	38,500	65,000	85,000	90,000
Romania	5,000	33,000	48,500	55,000
U.S.S.R. (c)	209,051	257,000	478,000	800,000
Yugoslavia	—	—	31,365	47,000
TOTAL, WORLD	9,014,601	9,574,421	15,177,127	18,266,808

NOTE: North American production was inflated in 1937 by tonnage bought and stored, mostly by U.S. publishers, in advance of a price increase effective January 1st 1938 but announced early in 1937.

* Figures for 1965, except those of Canada, the U.S., Finland, Norway and Sweden, are estimates of the Newsprint Association of Canada.

...: Negligible amounts.

—: Nil.

a: Production in East Germany included with West Germany in 1937.

b: Production in Korea and Taiwan included with Japan in 1937.

c: Includes Estonia, Lithuania and Latvia for all years.

d: Production in Pakistan included with India in 1937.

Source: Annual World Surveys compiled by the Newsprint Association of Canada.

Table 86. World Consumption of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965* Tons
NORTH AMERICA	4,502,619	6,284,938	7,866,580	9,050,427
Canada	220,200	354,602	487,102	590,479
United States (a)	4,282,419	5,930,336	7,379,478	8,459,948
WESTERN EUROPE	2,966,442	1,889,901	4,012,809	4,829,425
Austria	26,000	30,300	51,540	66,000
Belgium & Luxembourg	95,326	85,723	131,213	143,000
Denmark	56,084	60,022	97,972	132,000
Finland	30,084	39,951	87,093	93,609
France	455,200	312,400	548,000	602,000
Germany (West)	c404,716	229,700	588,007	815,000
Greece	8,090	16,033	23,910	50,000
Ireland	28,768	28,973	38,967	55,000
Italy	64,672	96,800	331,089	440,000
Netherlands	112,666	79,420	189,548	237,000
Norway	26,946	30,262	53,028	65,460
Portugal	13,009	12,413	25,813	28,175
Spain	26,500	27,665	74,200	130,000
Sweden	88,862	138,202	211,119	266,231
Switzerland	33,050	50,848	95,000	130,000
United Kingdom	1,496,035	650,019	1,464,012	1,573,000
Other countries (d)	434	1,170	2,298	2,950
LATIN AMERICA (EXCEPT CUBA)	358,773	381,718	692,263	763,963
Argentina	186,362	109,810	188,879	195,000
Brazil	73,633	96,311	204,184	160,000
Chile	17,326	33,000	29,511	42,000
Colombia	7,700	21,019	36,463	46,000
Mexico	33,251	43,598	109,685	124,000
Peru	7,223	13,500	19,933	42,000
Venezuela	3,638	11,601	25,923	45,000
Other countries (b)	29,640	52,879	77,685	109,963
AFRICA	75,395	74,063	151,966	200,515
Rep. of South Africa	41,550	42,745	84,361	115,000
United Arab Rep. —	—	—	—	—
Egypt	13,764	14,851	25,000	38,000
Other countries (e)	20,081	16,467	42,605	47,515
MIDDLE EAST	13,833	19,049	44,188	82,670
Turkey	9,879	11,725	23,030	48,000
Other countries (f)	3,954	7,324	21,158	34,670
OTHER ASIA (EXCEPT CHINA)	530,021	286,909	1,136,656	1,766,250
Hong Kong	g	8,265	22,342	39,000
India	h41,157	68,160	105,506	138,000
Japan	i445,123	138,636	803,639	1,320,000
Korea	g	8,000	47,020	58,000
Philippines	16,786	21,000	38,505	55,000
Thailand	1,000	2,500	19,740	26,000
Other countries (j)	25,955	40,348	99,904	130,250
OCEANIA	200,630	216,706	447,386	505,220
Australia	168,666	185,617	371,647	416,000
New Zealand	31,914	31,033	75,642	89,000
Other countries (Fiji)	50	56	97	220
TOTAL FOR ABOVE COUNTRIES	8,647,713	9,153,284	14,351,848	17,198,770
TOTAL, OTHER COUNTRIES (Estimates)	467,981	561,019	934,582	1,269,000
China	g101,093	66,000	190,000	110,000
Czechoslovakia	42,979	22,000	30,933	50,000
Germany (East)	c	63,700	93,600	130,000
Hungary	24,850	20,152	23,714	38,000
Poland	38,500	65,000	59,600	65,000
Romania	7,000	33,000	45,000	51,000
U.S.S.R. (k)	210,481	238,540	391,000	735,000
Yugoslavia	21,316	13,364	41,365	65,000
Other countries (l)	21,762	39,263	58,870	45,000
TOTAL, WORLD	9,115,694	9,714,303	15,286,430	18,487,770

* Figures for 1965, except those of Canada, the U.S., Finland, Norway, and Sweden, are estimates of the Newsprint Association of Canada.

a: Includes Alaska and Hawaii for all years.

b: Bahamas, Barbados, Bermuda, Bolivia, British Guiana, British Honduras, Costa Rica, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Netherlands Antilles, Nicaragua, Panama, Paraguay, Puerto Rico, Salvador, Surinam, Trinidad & Tobago, Uruguay and other West Indies.

c: Consumption in East Germany included with West Germany in 1937.

d: Iceland and Malta.

e: Algeria, Congo, Ethiopia, Ghana, Kenya, Malawi, Mauritius, Morocco, Nigeria, Portuguese Africa, Rhodesia and Nyasaland, Sierra Leone, Sudan, Tanganyika, Tanzania, Tunisia, Uganda, Zambia, Other Africa.

f: Cyprus, Iran, Iraq, Israel, Jordan, Lebanon, United Arab Republic — Syria.

g: Consumption in Hong Kong included with China in 1937.

h: Consumption in Pakistan included with India in 1937.

i: Consumption in Korea and Taiwan included with Japan in 1937.

j: Burma, Cambodia, Ceylon, Indonesia, Laos, Malaysia, Pakistan, Taiwan and Viet-Nam.

k: Includes Estonia, Lithuania and Latvia for all years.

l: Bulgaria and Cuba.

Source: Annual World Surveys compiled by the Newsprint Association of Canada.

Table 87. World Exports of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965* Tons
NORTH AMERICA:				
Canada	3,811,664	4,956,031	6,265,299	7,156,735
United States	17,045	43,967	134,509	64,678
WESTERN EUROPE:				
Austria	37,000	48,200	100,139	77,000
Belgium & Luxembourg	3,651	5,818	45,510	44,000
Finland	418,745	416,207	660,401	904,962
France	43,000	18,800	28,000	2,000
Germany (West)	a116,284	—	61	9,000
Italy	3,454	6,800	9,266	20,000
Netherlands	10,472	24,555	46,802	44,000
Norway	198,886	147,546	192,000	277,256
Portugal	—	—	1,126	825
Sweden	221,103	225,998	435,854	489,943
Switzerland	50	1,566	4,200	—
United Kingdom	63,497	114,271	56,321	2,000
LATIN AMERICA:				
Argentina	—	—	—	—
Chile	—	—	31,907	78,000
AFRICA:				
Rhodesia	—	—	—	1,685
ASIA:				
Japan	6,944	6,750	6,552	5,000
Pakistan	—	—	2,753	13,000
Taiwan	—	—	2,053	2,100
OCEANIA:				
Australia	—	—	36	1,000
New Zealand	—	—	55,343	130,000
TOTAL FOR ABOVE COUNTRIES	4,951,795	6,016,509	8,078,132	9,323,184
TOTAL, OTHER COUNTRIES (Estimates)				
China	16,499	37,800	185,359	219,000
Czechoslovakia	—	—	30,000	25,000
Germany (East)	11,929	12,000	9,359	30,000
Poland	a	4,300	13,800	15,000
Romania	1,000	3,000	25,400	25,000
U.S.S.R. (c)	—	—	3,000	4,000
TOTAL, WORLD	4,968,294	6,054,309	8,263,491	9,542,184

* Figures for 1965, except those of Canada, the U.S., Finland, Norway, and Sweden, are estimates of the Newsprint Association of Canada.
—: Nil.

a: Exports from East Germany included with West Germany in 1937.

c: Includes Estonia, Lithuania and Latvia for all years.

Source: *Annual World Survey compiled by the Newsprint Association Canada.*

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