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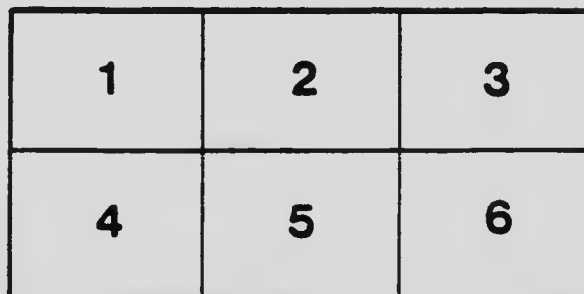
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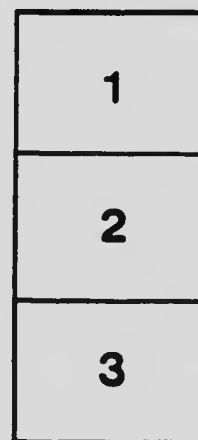
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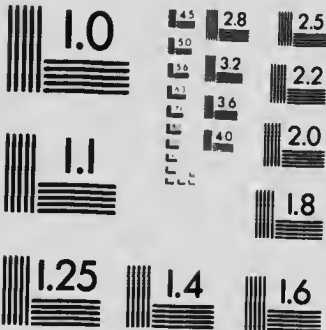
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DEPARTMENT OF THE INTERIOR, CANADA

Hon. FRANK OLIVER, Minister; W. W. CORY, Deputy Minister

FORESTRY BRANCH—BULLETIN No. 8.

R. H. CAMPBELL, Superintendent of Forestry

FOREST PRODUCTS OF CANADA

1908

COMPILED BY

H. R. MACMILLAN, B.S.A., M.F.,

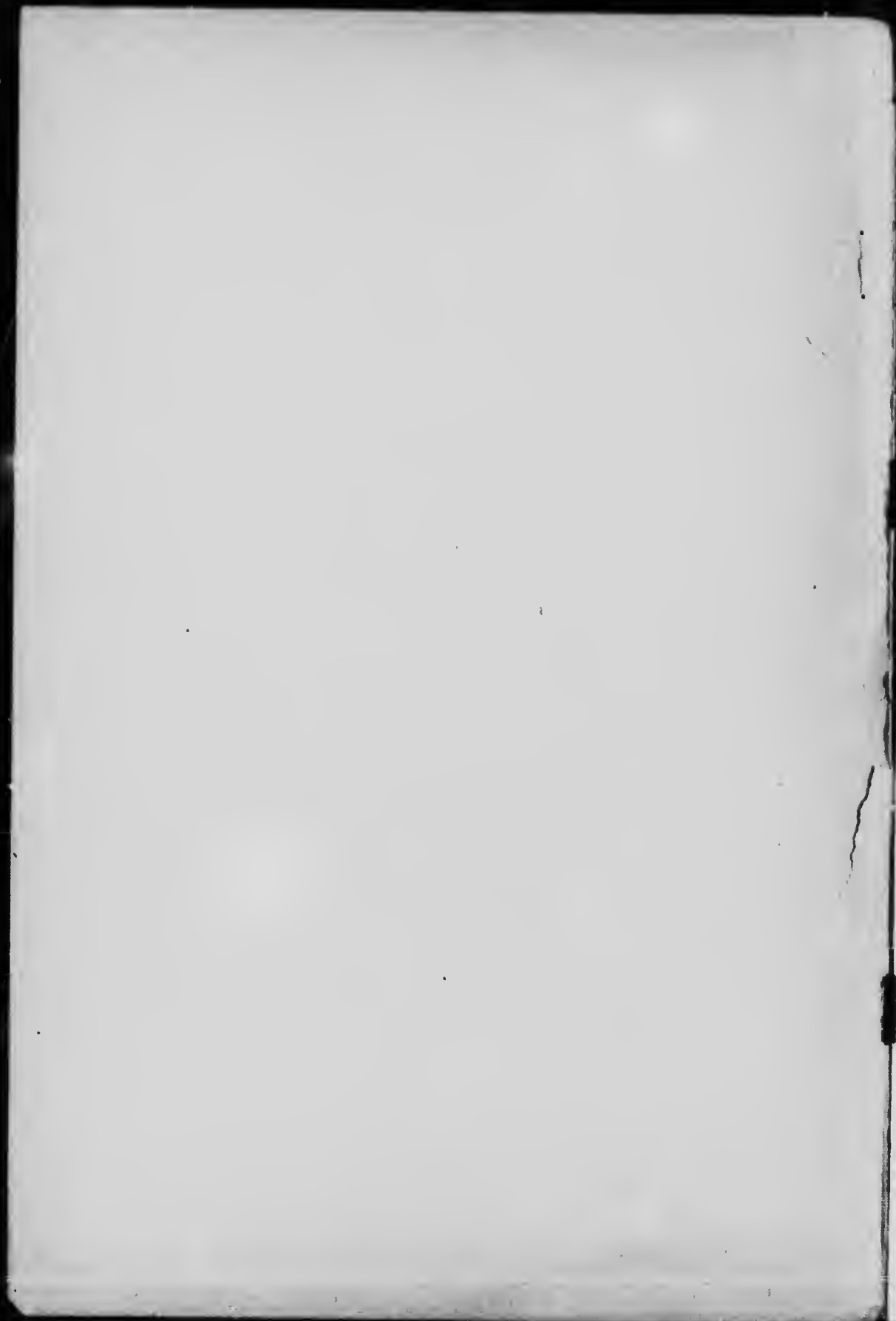
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G. A. GUTCHES, B.S., M.S.F.

OTTAWA

GOVERNMENT PRINTING BUREAU

1910



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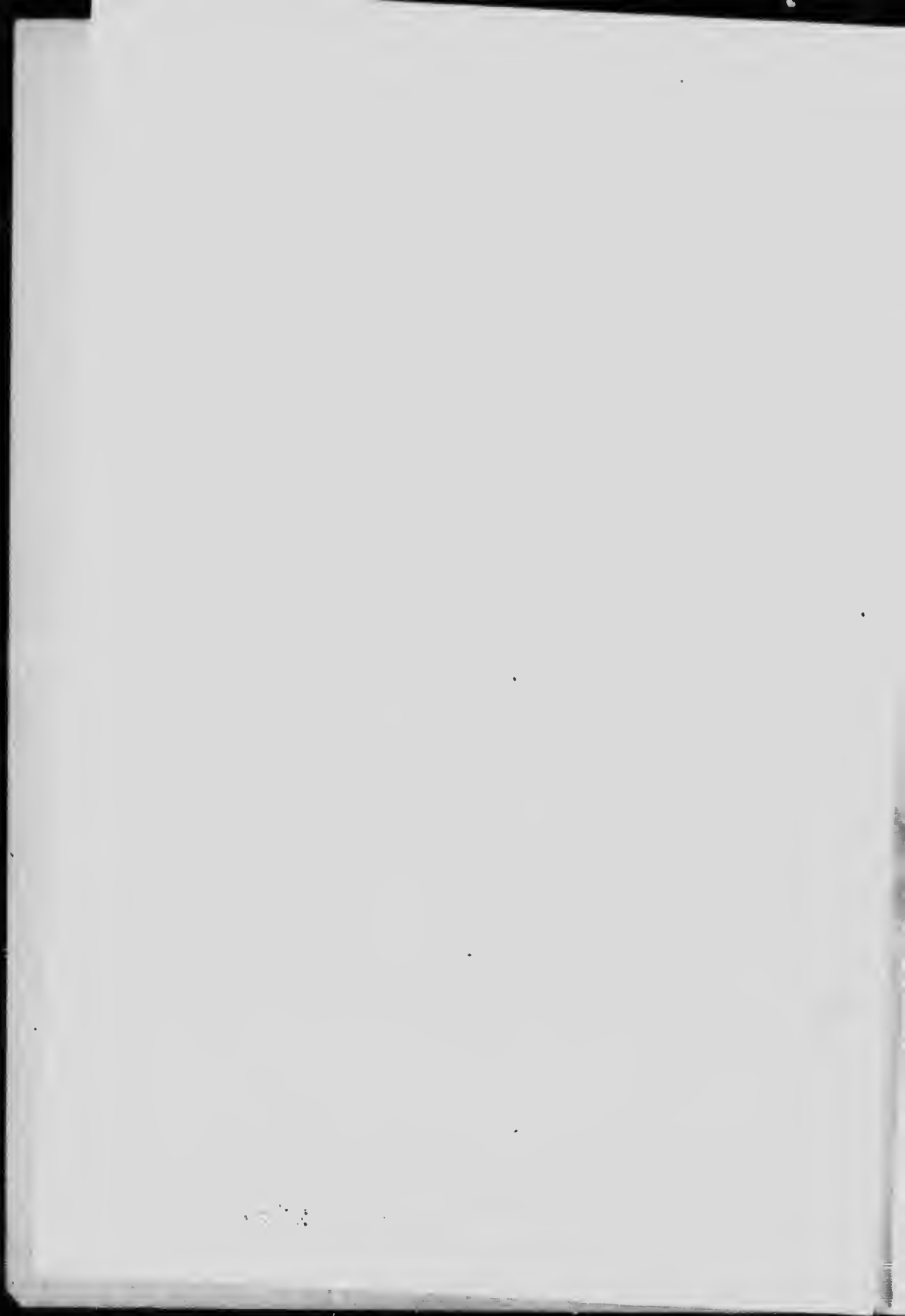
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FOREST PRODUCTS OF DOMINION OF CANADA, 1908

In order to satisfy the urgent demand for more frequent reports upon the important forest products of the Dominion, the Forestry Branch of the Department of the Interior, early in the year 1909, sent out blank schedules to the lumbermen and wood manufacturers for the purpose of collecting information from which to compile a report of the forest products for 1908. Although a large number of the manufacturers did not reply, sufficient information has been received to justify the publication of figures as to quantities of lumber, lath, shingles, cross ties, poles and pulpwood cut, purchased or manufactured in 1908. These figures, however, must not be considered as complete in any way for they do not show the actual output in 1908, but only that reported to the Forestry Branch by the manufacturers who sent in reports. Further considerable difficulty has been experienced in obtaining a list of manufacturers, especially the smaller ones, and even yet the list is not complete, so the results are probably smaller than the actual output for 1908.

In the future, blank schedules will be sent to the manufacturers at the beginning of each year by the Forestry Branch. It is necessary that they be filled out *in detail* and returned at once to assure an early publication of results. All schedules should be returned by May 1, each year, so that the Forestry Branch may be able to have the results published for free distribution by July 1.

The accuracy and usefulness of the results will depend upon the accuracy and fulness of the information received. If the manufacturers, large and small, will give their hearty co-operation in this matter, the Forestry Branch in return will be able to furnish information which will be useful to them and the public in general concerning the forest wealth of the country.

PRODUCTION OF LUMBER IN 1908.

The figures given in tables 1-9 (as well as all others in this circular) were secured entirely through correspondence and are based upon returns received from 1,409 lumbermen distributed throughout the Dominion as follows: Ontario, 591; Quebec, 277; New Brunswick, 180; British Columbia, 143; Nova Scotia, 112; Alberta, 40; Manitoba, 40, and Saskatchewan, 26. No replies were received from Prince Edward Island.

Tables 1-8 show the quantity and value of lumber for each province by species.

Table 9 gives the total cut and value for the Dominion by provinces. Ontario leads with a cut of 1,294,794 M board feet, while Alberta is lowest with a cut of 12,382 M board feet.

ONTARIO, 1908.

TABLE 1.

Kind.	M. Bd. Ft.	Average value per M.	Value.
		\$ cts.	\$
White pine.....	763,485	21 08	16,094,253
Hemlock.....	135,261	13 07	1,798,458
Red Pine.....	100,119	17 23	1,724,705
Spruce.....	62,884	14 49	911,663
Elm.....	24,893	18 07	449,834
Maple.....	23,702	17 15	428,345
Birch.....	19,497	13 04	334,324
Jack Pine.....	14,581	13 95	203,317
Cedar.....	12,498	13 07	174,267
Balsam.....	12,204	19 45	170,481
Basswood.....	10,082	19 86	106,065
Ash.....	7,174	14 67	142,451
Tamarack.....	5,952	31 24	87,352
Oak.....	4,619	15 12	144,312
Beech.....	3,969	20 02	60,005
Hickory.....	1,164	13 71	23,303
Poplar.....	1,059	30 13	14,523
Walnut.....	23	15 72	693
Mixed.....	91,628		1,440,726
Total.....	1,294,794	18 84	24,399,077

QUEBEC, 1908

TABLE 2.

Spruce.....	345,246	14 22	4,908,340
White Pine.....	144,692	20 69	2,993,422
Hemlock.....	55,604	12 75	708,978
Red Pine.....	31,859	16 09	512,445
Cedar.....	27,628	12 43	343,362
Balsam.....	23,222	12 57	291,897
Birch.....	13,123	20 09	263,709
Jack Pine.....	5,947	14 09	89,168
Basswood.....	4,696	18 88	88,576
Maple.....	4,345	14 20	61,716
Ash.....	3,781	17 12	65,734
Tamarack.....	3,287	15 23	50,061
Poplar.....	2,151	13 03	28,040
Elm.....	1,415	15 25	21,575
Oak.....	822	37 24	30,614
Beech.....	501	14 28	7,157
Butternut.....	15	20 00	300
Walnut.....	5	67 20	336
Mixed.....	21,796	17 12	373,178
Total.....	690,135	15 70	10,838,608

BRITISH COLUMBIA, 1908.

TABLE 3.

Kind.	M. Bd. Ft.	Average	Value.
		value per M.	
		\$ cts.	\$
Douglas Fir.....	371,493	13 72	5,106,490
Western Cedar.....	80,503	17 22	1,382,492
Western Spruce.....	65,537	11 49	752,856
Yellow Pine.....	30,552	17 46	533,580
Western Larch.....	23,410	13 50	316,138
Western Hemlock.....	11,856	12 39	146,818
Western White Pine.....	7,630	13 35	101,884
Lodgepole (W. J. Pine).....	2,050	12 00	24,600
Mixed.....	55,146	13 16	742,328
Total.....	617,977	14 05	9,107,186

NEW BRUNSWICK, 1908.

TABLE 4.

Spruce.....	213,259	13 22	3,216,462
White Pine.....	16,338	17 02	287,821
Balsam.....	12,270	11 06	135,680
Hemlock.....	9,116	10 83	99,019
Birch.....	6,498	12 83	83,355
Cedar.....	2,382	11 29	26,910
Maple.....	1,989	10 64	21,161
Red Pine.....	1,656	12 08	20,005
Tamarack.....	900	12 00	10,800
Mixed.....	13,962	12 90	180,186
Total.....	308,100	13 23	4,081,402

NOVA SCOTIA, 1908.

TABLE 5.

Spruce.....	134,898	13 76	1,856,870
Hemlock.....	47,229	9 98	471,093
White Pine.....	20,369	17 16	349,617
Birch.....	6,677	13 58	90,685
Red Pine.....	974	15 46	15,060
Balsam.....	792	11 82	9,362
Maple.....	618	15 70	10,176
Beech.....	613	10 98	6,730
Jack Pine.....	512	11 81	6,046
Oak.....	311	24 32	7,637
Ash.....	236	19 24	4,540
Poplar.....	216	10 83	2,340
Mixed.....	3,347	13 02	43,574
Total.....	216,825	13 25	2,873,730

SASKATCHEWAN, 1908.

TABLE 6.

Spruce.....	90,322	17 29	1,562,500
Jack Pine.....	620	17 00	10,540
Tamarack.....	199	17 49	3,450
Poplar.....	25	12 00	300
Total.....	91,166	17 29	1,576,820

MANITOBA, 1908.

TABLE 7.

Kind.	M. Bd. Ft.	Average value per M.	Value.
		\$ cts.	\$
Spruce.....	52,387	15 38	805,830
Tamarack.....	1,980	15 27	30,230
Poplar.....	871	11 80	10,278
White Pine.....	530	20 00	10,600
Jack Pine.....	305	14 66	4,471
Red Pine.....	220	18 00	3,960
Birch.....	31	25 00	775
Cedar.....	23	15 00	345
Mixed.....	100	11 80	1,480
Total.....	56,447	15 38	867,960

ALBERTA, 1908.

TABLE 8.

Spruce.....	33,454	14 18	474,295
Jack Pine.....	1,437	13 35	59,234
Poplar.....	2,079	11 66	24,245
Douglas Fir.....	352	14 60	19,860
Yellow Pine.....	40	16 00	640
Larch.....	24	18 86	455
Birch.....	7	20 00	140
Mixed.....	980	14 53	14,375
Total.....	41,382	13 99	593,244

LUMBER PRODUCTION, 1908.

TABLE 9.

Ontario.....	1,294,794	18 84	24,399,077
Quebec.....	690,135	15 70	10,838,608
British Columbia.....	647,977	14 05	9,107,186
New Brunswick.....	308,400	13 23	4,081,402
Nova Scotia.....	216,875	13 25	2,873,730
Saskatchewan.....	91,166	17 29	1,576,820
Manitoba.....	56,447	15 38	867,960
Alberta.....	42,382	13 99	593,244
Total.....	3,348,176	16 27	54,338,036

The number of feet allotted to the different species in the above tables cannot absolutely be relied upon, because they were not always so separated in the reports received. The total quantities given are as reported. The large quantity given as mixed species can be eliminated if the lumbermen will distinguish them in their reports.

PRODUCTION OF LATH AND SHINGLES IN 1908.

Tables 10-17 give the number, average value per M., by species, produced in each province.

Table 18 gives the totals for each province, and shows for the Dominion a cut of 1,499,396 M shingles, valued at \$3,101,996 and 671,562 M lath, valued at \$1,487,125.

BRITISH COLUMBIA, 1908.

TABLE 10.

Kind.	SHINGLES.			LATHS.		
	Number.	Average value per M.	Value.	Number.	Average value per M.	Value.
	M.	\$ cts.	\$	M.	\$ cts.	\$
Western Cedar.....	701,625	1 91	1,345,302	11,703	2 07	24,264
Douglas Fir.....				40,907	2 13	87,040
Western Spruce.....				3,384	2 19	7,430
Western Pine.....				1,666	3 50	5,831
Mixed.....	23,027	1 99	46,604	29,202	2 86	83,690
Total.....	724,652	1 92	1,391,306	86,862	2 39	208,255

QUEBEC, 1908.

TABLE 11.

Cedar.....	399,527	2 10	836,835	18,696	1 96	36,766
Spruce.....	2,442	1 84	4,503	53,970	2 04	109,926
White Pine.....	2,271	1 87	4,249	13,516	2 25	30,373
Hemlock.....	250	2 02	505	4,042	1 74	7,025
Balsam.....				200	1 87	375
Poplar.....	50	1 90	95			
Mixed.....	1,900	1 89	3,600	2,490	1 85	4,611
Total.....	406,440	2 09	849,787	92,914	2 03	189,076

ONTARIO, 1908.

TABLE 12.

Cedar.....	172,226	2 03	350,313	13,721	2 22	30,463
White Pine.....	20,813	2 11	44,000	187,025	2 38	445,854
Hemlock.....	4,466	2 02	9,048	9,030	2 00	18,078
Spruce.....	1,388	1 81	2,519	14,528	2 56	36,547
Balsam.....	1,180	2 00	2,360	1,490	2 14	3,187
Jack Pine.....				8,720	1 80	16,697
Mixed.....	23,460	2 26	52,915	28,727	2 16	62,030
Total.....	223,533	2 59	461,155	263,241	2 33	612,856

NEW BRUNSWICK, 1908.

TABLE 13.

Cedar.....	107,733	2 98	322,040	7,580	1 90	14,355
Spruce.....	2,132	1 75	3,745	121,886	2 08	254,233
Balsam.....	48	1 66	80	3,725	2 13	7,950
Hemlock.....				300	2 00	600
White Pine.....				1,400	1 96	2,750
Mixed.....				4,100	1 51	6,200
Total.....	109,913	2 96	325,865	138,991	2 05	286,088

TABLE 14.

NOVA SCOTIA, 1908.

Kind.	SHINGLES.			LATHS.		
	Number.	Average value per M.	Value.	Number.	Average value per M.	Value.
	M.	\$ cts.	\$	M.	\$ cts.	\$
Cedar.....	16,000	2 81	45,000	422	2 01	849
Spruce.....	8,941	1 34	12,029	50,723	2 22	112,876
Hemlock.....	3,955	1 45	5,717	7,290	2 13	15,540
White Pine.....	2,378	1 69	4,016	2,643	1 66	4,378
Balsam.....	465	1 41	655	900	2 00	1,800
Poplar.....	100	1 50	150			
Mixed.....	1,302	1 38	1,803	660	2 19	1,450
Total.....	33,141	2 09	69,370	62,638	2 18	136,893

TABLE 15.

MANITOBA, 1908.

Cedar.....	300	3 83	1,150	110	2 72	300
Spruce.....	200	2 25	450	7,260	1 23	9,900
Poplar.....	25	2 00	50			
Mixed.....	600	2 50	1,500			
Total.....	1,125	2 80	3,150	7,370	1 38	10,200

TABLE 16.

SASKATCHEWAN, 1908.

Jack Pine.....	40	2 00	760			
Spruce.....	152	2 78	423	18,367	2 16	39,808
Mixed.....	60	3 00	180	110	3 32	365
Total.....	592	2 30	363	18,477	2 17	40,173

TABLE 17.

ALBERTA, 1908.

Spruce.....			1,069	3 35	3,584
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TABLE 18.

PRODUCTION OF SHINGLE AND LATH, 1908.

British Columbia.....	724,652	1 92	1,391,306	86,862	2 39	208,253
Quebec.....	406,440	2 09	849,787	92,914	2 03	189,076
Ontario.....	223,533	2 59	461,155	263,241	2 33	612,850
New Brunswick.....	109,913	2 96	325,865	138,991	2 05	286,088
Nova Scotia.....	33,141	2 09	69,370	62,638	2 18	136,893
Manitoba.....	1,125	2 80	3,150	7,370	1 38	10,200
Saskatchewan.....	592	2 30	1,363	18,477	2 17	40,173
Alberta.....				1,069	3 35	3,584
Total.....	1,499,396	2 07	3,101,996	671,562	2 21	1,487,125

The number of ties given under each species is only approximately correct, as many companies did not separate the different kinds. This tends to equalize, more or less, the given value per tie. The pines are grouped together, and also, under the term 'cedar,' are grouped the western and eastern cedars.

POLES PURCHASED IN 1908.

The data given under this head are based upon the reports of 46 telephone and telegraph companies, 151 electric light, power and railway companies, and 19 steam railways owning their pole lines. They represent 66,544 miles of line, supported by 2,433,245 poles.

Table 20 gives the number, value and species of poles purchased in 1908 by five-foot classes.

Table 21 shows the species, number and value of poles purchased by the four principal classes of consumers. The electric roads are grouped with the electric light and power companies, because, in many cases, one company has control of both, and the reports were not separated.

POLES PURCHASED IN 1908 BY SPECIES AND LENGTH CLASSES.

TABLE 20.

Kind of Wood.	LENGTH CLASSES.											
	20'—25'.			26'—30'.			31'—35'.			36'—40'.		
	Number.	Value.	Average value per pole.	Number.	Value.	Average value per pole.	Number.	Value.	Average value per pole.	Number.	Value.	Average value per pole.
Totals.	141,881	162,102	1 14	24,103	49,714	2 06	11,030	36,461	3 30	4,709	19,107	4 06
Cedar.	108,535	131,175	1 11	23,956	49,422	2 06	10,950	36,176	3 30	4,709	19,107	4 06
Larch.	19,631	27,131	1 38	167	292	1 75	30	135	4 50			
Spruce.	2,525	2,069	0 82				50	150	3 00			
Douglas fir.	1,190	1,721	1 45									

TABLE 21.

THE PROTESTANT

Kind of Wood.	TOTAL.	TELEPHONE AND TELEGRAPH COMPANIES.				STEAM RAILWAYS.				STREET RAILWAYS, ELECTRIC LIGHT AND POWER COMPANIES.			
		Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.
Totals...	185,807	\$ 284,549	\$ cts. 1 33	122,931	\$ 167,047	\$ cts. 1 36	45,032	\$ 65,277	\$ cts. 1 45	17,844	\$ 52,225	\$ cts. 2 92	
Cedar.....	162,211	253,045	1 56	99,640	136,202	1 37	45,032	65,277	1 45	17,589	51,586	2 91	
Larch.....	19,831	27,564	1 39	19,600	27,071	1 38							
Spice.....	2,375	2,219	0 86	2,500	2,050	0 82							
Douglas fir.....	1,490	1,724	1 45	1,130	1,724	1 45				230	480	2 13	
										75	169	2 25	

The different species are not accurately classified in the above tables, as the reports did not separate them in many cases. The cedar poles include both eastern and western varieties, and the same is true of other species to a less extent.

PULPWOOD MANUFACTURED IN 1908.

The figures given in the following tables are based upon the reports of 45 mills distributed as follows: Quebec, 21; Ontario, 10; Nova Scotia, 7; New Brunswick, 7. Two mills are being constructed in British Columbia, but did not manufacture pulp in 1908.

Tables 22 to 25 show the kind of wood, amount, value and process of manufacture for each province in 1908.

Table 26 shows the amount of wood manufactured, its value and the amount of pulp obtained by the mechanical, sulphite and soda processes for the Dominion.

TABLE 22

PULP MANUFACTURED IN 1908.
QUEBEC, 1908.

Kind of Wood.	MECHANICAL.			SULPHITE.			SODA.	
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.	Value.	Tons.
Spruce.....	150,039	\$	Tons.		\$	Tons.		
Balsam.....	25,504	881,563	138,731	70,650	3,011,000	32,250		
Poplar.....	1,000	148,958	24,480	6,000	28,000	3,000		
Jack pine.....	2,750	6,000	1,000					
		11,000	2,419					
Total.....	179,293	1,017,521	166,230	76,650	419,000	45,250		

TABLE 23

O'FAIRDO, 1908.

Spruce.....	75,001	520,884	62,120	50,127	381,042	25,760		
Balsam.....	11,861	92,089	11,745	11,535	81,825	3,752		
Poplar.....	300	2,100	285					
Total.....	87,162	621,073	74,150	61,662	468,867	31,496	3,877	19,912
							1,000	4,803
							4,877	375
								2,178

TABLE 24.

NEW BRUNSWICK, 1908.

Spruce.....	20,602	89,861	20,200	32,530	171,580	15,615		
Balsam.....	676	3,180	651					
Poplar.....	250	1,000	245					
Total.....	21,528	94,041	21,096	32,530	171,580	15,615		

TABLE 25.

NOVA SCOTIA 1908.

Kind of Wood.	MECHANICAL.			SULPHUR.			SODA.		
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.
		\$	Tons.		\$	Tons.		\$	Tons.
Spruce.....	16,812	73,741	15,619						
Balsam.....	1,225	5,663	1,150						
Poplar.....	25	62	25						
Totals.....	18,062	79,466	16,794						

TABLE 26.

PULP MANUFACTURE.

Province.	MECHANICAL.			SULPHUR.			SODA.		
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.
		\$	Tons.		\$	Tons.		\$	Tons.
Quebec.....		21,000	90	994	1,017,520	7,0850	419,000	35,220	
Ontario.....	14	60	108	170	855	600	74,450	61,082	100
New Brunswick.....	94,078	200,000	30,011	21,528	94,444	21,000		1,877	2,178
Nova Scotia.....	18,002	79,466	16,794	18,002	79,466		171,380	15,615	
Totals.....	482,777	2,931,653	363,070	86,738	1,846,304	278,570	177,102	1,050,437	82,331

PULP AND PULPWOOD EXPORTED IN 1908.

The figures quoted herewith are taken from the Report of the Department of Trade and Commerce for the fiscal year, April 1, 1908, to March 31, 1909.* During this period the total export of pulpwood was 794,896 cords, valued at \$4,356,391. This was all exported to the United States. The total amount of manufactured pulp exported was 4,989,094 cwt., valued at \$4,306,929. It was exported to the following countries: United Kingdom, 1,084,729 cwt.; United States, 3,064,879 cwt.; Argentine Republic, 3,928 cwt.; Belgium, 33,880 cwt.; China, 2,350 cwt.; Cuba, 2,680 cwt.; France, 83,530 cwt.; Japan, 12,604 cwt.; Mexico, 16,366 cwt., and other countries, 932 cwt.

In the preceding year 4,037,852 cwt. was exported, and all but 7,133 cwt. was sent to the United Kingdom and United States.

The returns of the manufacture of pulp are incomplete. The Forestry Branch has 70 mills upon its list, and only 45 reported. There were no returns received on the quantity of pulpwood cut in the rough or exported as such.

TOTAL PRODUCTION IN 1908.

Table 27 shows the total value of the output of raw material, as reported by the manufacturers, which has a value of \$67,425,044.

TABLE 27

TOTAL PRODUCTION IN 1908

Material	Quantity	Value.
		\$
Lumber	3,348,176 M. b. f.	54,338,036
Shingles	1,499,306 M.	3,101,996
.....	671,522 M.	1,487,125
Cross-ties	13,978,416 pcs.	5,281,685
Poles	185,807 pcs.	284,549
*Pulpwood	482,777 cords.	2,931,653
Total		67,425,044

*Manufactured in Canada.

SUMMARY.

This is the first attempt of the Forestry Branch to gather detailed statistics of the forest products of the Dominion by correspondence. The work was new both to the lumbermen and to those in charge, consequently the figures cannot be relied upon as absolutely correct for the forest output in 1908, but they are close approximations in most cases.

It is hoped that the manufacturers will take an interest in this work and do all in their power to make the future publications as reliable as possible.

*The Forestry Branch list of pulp and pulpwood exporters was very incomplete.

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