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ANNUAL REVIEW  
of  
BUILDING PERMITS  
ISSUED BY 61 CITIES  
in  
CANADA  
1929

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ANNUAL REVIEW OF BUILDING PERMITS ISSUED IN CANADA DURING 1929.

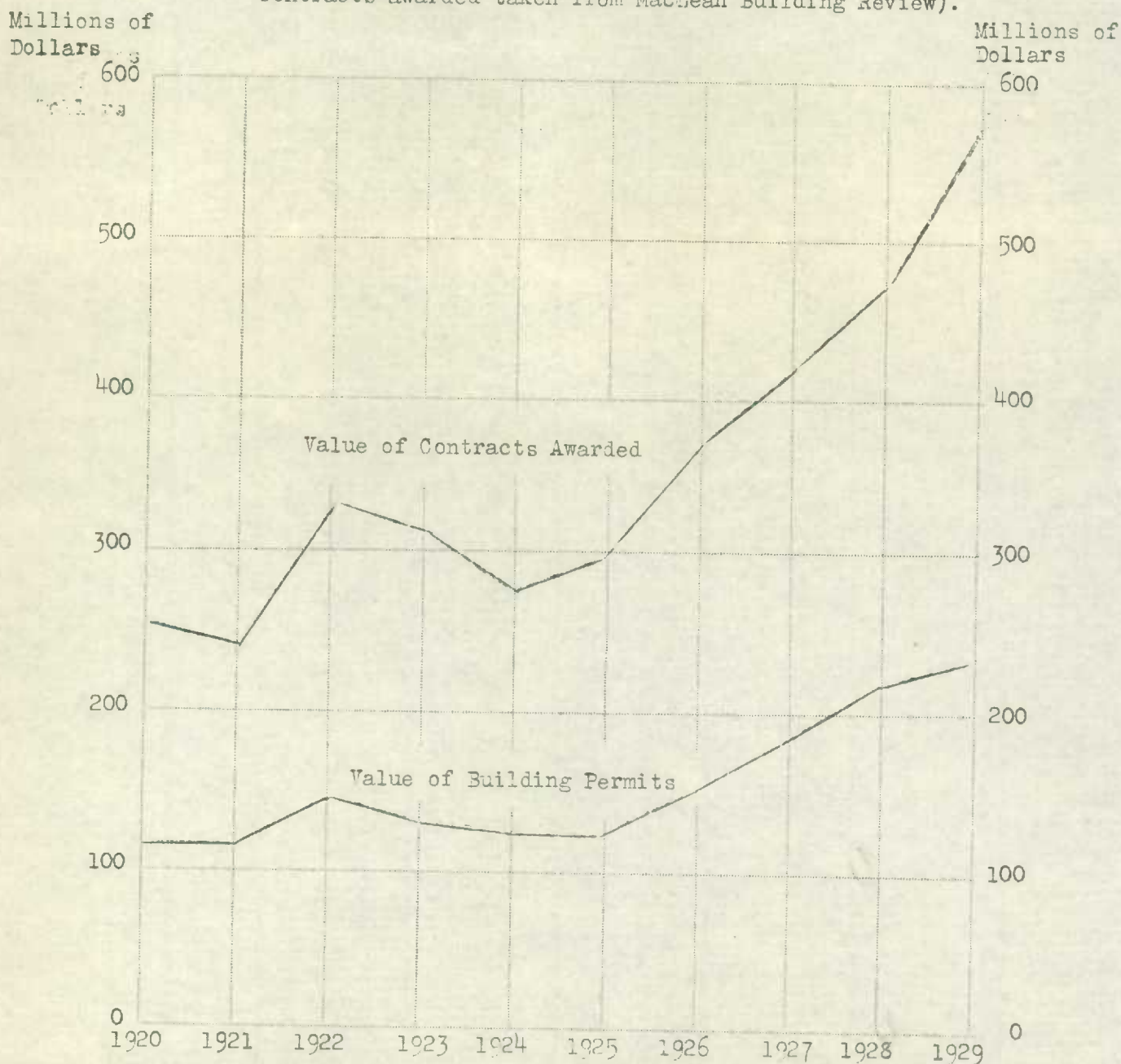
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Chief, General Statistics Branch:

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According to data tabulated by the Dominion Bureau of Statistics, the value of the building authorized by 61 cities during 1929 was greater than in any other year since this record was commenced in 1920, aggregating \$234,944,549, compared with \$219,105,715 in 1928, \$184,613,742 in 1927, \$156,386,607 in 1926 and \$125,029,367 in 1925. These totals are based upon revised statistics furnished by civic officials, of whose co-operation acknowledgment is hereby made. The index number of wholesale prices of building materials, calculated in the Bureau upon the 1926 average as 100, averaged 99.0 in 1929, compared with 98.1 in 1928 and 96.1 in 1927, when prices were lower than in any of the seven preceding years; the index number of wages in the building trades, prepared by the Labour Department, averaged 197.5 in 1929, compared with 185.6 in 1928 and 179.3 in 1927. The 1913 figures are the base, equal to 100, upon which the latter indexes are computed.

The noteworthy increase in construction, as indicated by the authorizations of the 61 co-operating cities, was also reflected in the Bureau's index number of employment in building, based upon returns from some 600 contractors employing an average

Chart 1.- VALUE OF BUILDING PERMITS ISSUED BY 61 CITIES AND OF CONSTRUCTION CONTRACTS AWARDED THROUGHOUT CANADA, 1920-1929. (Construction contracts awarded taken from MacLean Building Review).



payroll of 51,851 persons; this index, based upon the average employment in 1926 as 100, averaged 135.3, as compared with 112.0 in 1928. Last year's mean was the highest in the record, which goes back to 1920. Further, the activity in building during 1929 had a stimulating effect upon the industries related to construction, notably upon lumber, clay, glass and stone and structural iron and steel works, in which employment was at a



considerably higher level than in previous years. According to the MacLean Building Review for January, 1930, the value of the contracts awarded throughout Canada was \$576,651,800 in 1929, compared with \$472,032,600 in 1928, an increase of 22.1 p.c. An analysis of the value of contracts awarded according to the intended use of the buildings to be erected, shows that there were slight declines as compared with 1928, in the contracts awarded for business, industrial and residential building, while there was a large increase in those for engineering projects.

Chart 1 shows graphically the value of building in Canada by years since 1920, while Chart 2 shows the value of the building authorized by 61 cities, by months, in the last five years. The pronounced and successive increases in the volume of building during the last few years is illustrated in these charts, which also show that the value of construction during 1929 was higher than in any previous year since 1920.

The following table gives the value of the building authorized by the 61 co-operating cities during the ten years for which data are available, while in Table 1 are given the figures by cities, the 35 centres whose records go back to 1910 being indicated by an X.

Year	Value of Building Permits Issued	Index Numbers of Value of Permits Issued (1920 = 100)	Average Index Numbers of Wholesale Prices of Building Materials (average 1926 = 100)	Index Numbers of Wages in the Building Trades (1913 = 100)
1920	\$117,019,622	100.	144.0	180.9
1921	116,794,414	99.8	122.8	170.5
1922	148,215,407	126.7	108.7	162.5
1923	133,521,621	114.1	111.9	166.4
1924	126,583,148	108.2	106.6	169.1
1925	125,029,367	106.8	102.9	170.4
1926	156,386,607	133.6	100.0	172.1
1927	184,613,742	157.8	96.1	179.3
1928	219,105,715	187.2	98.1	185.6
1929	234,944,549	200.8	99.0	197.5

According to these figures, building in 1929 was over 100 p.c. greater than in 1920, while the wholesale cost of building materials continued considerably lower. On the other hand, wages in nine building trades showed general advances in the 13 cities upon whose rates the indexes are based.

#### BUILDING ACTIVITIES IN 61 CITIES, BY PROVINCES, WITH COMPARISONS FROM 1922.

All provinces except Ontario registered increases in the value of the building authorized as compared with 1928, the largest absolute gains being in Quebec and Alberta.

MARITIME PROVINCES.- In Nova Scotia, the permits issued were for buildings valued at \$5,748,282, a gain of \$2,670,106 or 86.7 p.c. as compared with 1928; the 1929 aggregate was the highest since 1920. New Brunswick recorded an increase of 61.5 p.c. in the building authorized, and Prince Edward Island reported authorized buildings valued at \$20,000 in 1929, while in 1928 and 1927 no permits were reported.

QUEBEC.- The aggregate for Quebec, \$57,984,175, was 16.1 p.c. larger than in 1928, but was slightly lower than the 1927 total of \$58,320,532, the maximum for this record. The six cities reporting in that province issued 24.7 p.c. of the total value of building authorized by the 61 cities, as compared with 22.8 p.c. in 1928, and 31.6 p.c. in 1927, when the erection of several large business buildings was undertaken in Montreal.

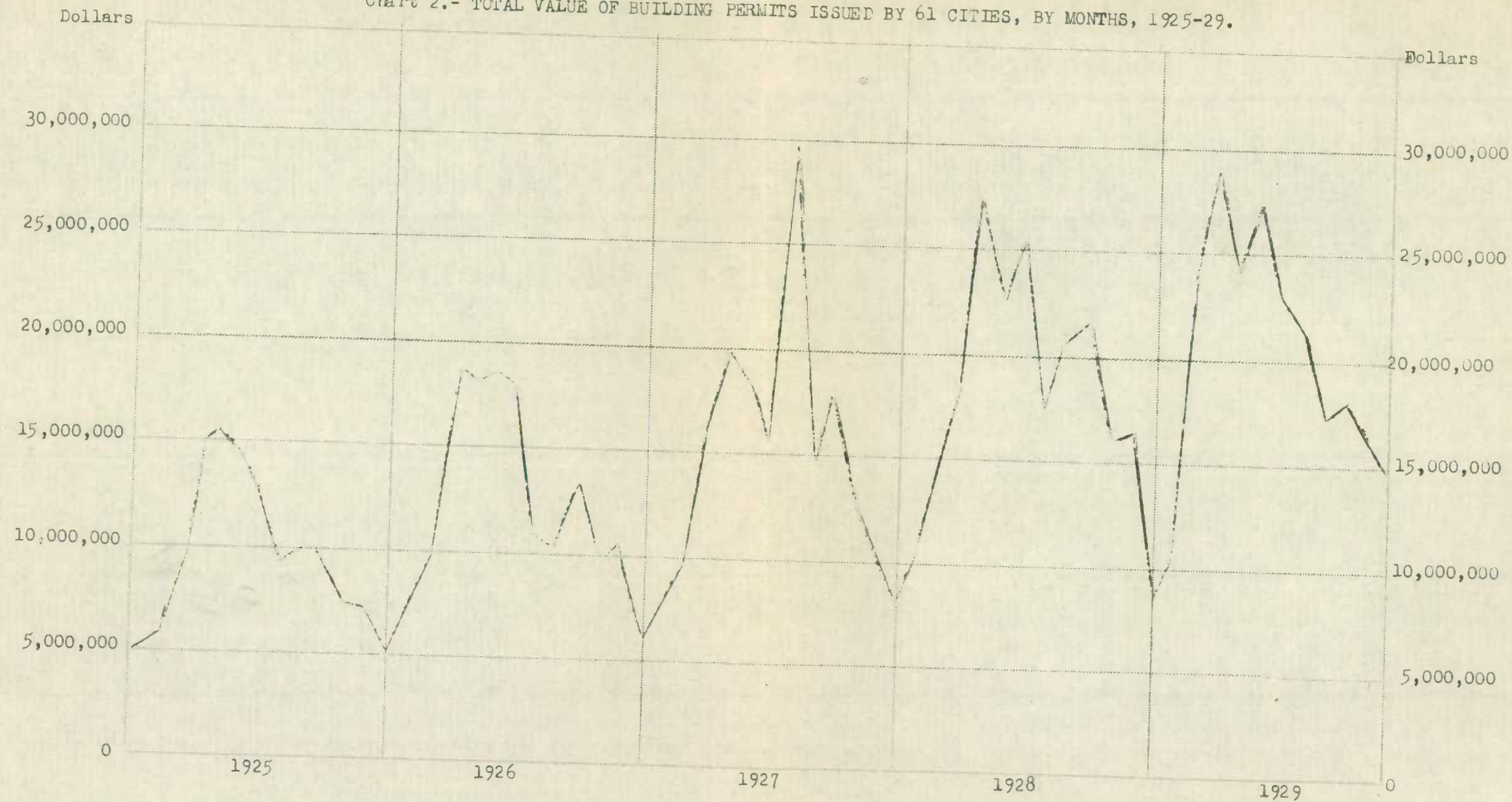
ONTARIO.- The 1929 value of building represented by the permits granted in Ontario stood at \$95,055,827, and was lower by \$9,721,739, or 9.3 p.c., than in 1928. It was, however, greater than in any other year of the record, including 1922, the previous high level up to 1928. The proportion of the aggregate was 40.5 p.c., as compared with 47.8 in the preceding year. Of the 30 Ontario cities whose returns are included, 13 showed increases over 1928, while 17 reported lower aggregates.

PRAIRIE PROVINCES.- Building in Manitoba was at a slightly higher level than in 1928, or any other year of the record, the permits issued being for buildings valued at \$12,007,695, as compared with \$11,846,635 in 1928, a gain of 1.4 p.c. The previous maximum was \$11,091,312 in 1926. In Saskatchewan, building authorizations were at their peak since the boom of 1912, rising from \$13,449,826 in 1928, to \$16,950,228 in the year under review, or by 26.0 p.c. Alberta showed a gain of 74.4 p.c. over 1928; the total, \$17,953,321, was also greater than in any other of the ten years for which data are available. The proportion of permits issued in the Prairie Provinces to the total for the 61 cities was 19.9 p.c., as compared with 16.2 p.c. in 1928 and 11.8 p.c. in 1927.

BRITISH COLUMBIA.- The British Columbia aggregate of \$27,187,087 was 11.1 p.c. larger than in 1928, and was also higher than in any previous year since 1920. The seven cities reporting in this province issued 11.6 p.c. of the total for the Dominion, as compared with 11.2 p.c. in the preceding year.



Chart 2.- TOTAL VALUE OF BUILDING PERMITS ISSUED BY 61 CITIES, BY MONTHS, 1925-29.





COMPARATIVE BUILDING ACTIVITIES IN LEADING CITIES.

Statistics of building permits issued by 61 cities since 1922 are given in Table 1, while Table 3 is a record for the four largest centres since 1911.

Montreal. - The value of the building represented by the permits issued by Montreal was \$46,065,924, an increase of 26.7 p.c. as compared with the 1928 authorizations of \$36,347,901, while the total was also greater than in any other year since 1910. Approximately 40 p.c. of the aggregate for last year represented residential building, as against some 61 p.c. in the preceding year, when there was an exceptionally large programme of construction in the residential building class. If the Westmount authorizations, \$3,220,145, are added to the Montreal total, those adjoining cities together issued nearly 21 p.c. of the total for the 61 cities.

Toronto. - During 1929, there was a decrease of \$3,908,534, or 7.6 p.c., in the Toronto authorizations, which were valued at \$47,698,654, as against \$51,607,188 in 1928, when the total was higher than in any other of the 20 years for which records are available. Only about 17 p.c. of the building authorized in 1929 was listed as residential, owing to the proximity of the residential suburban areas of York and East York Townships, in which nearly 80 p.c. of the 1929 total of \$9,824,273 was earmarked for dwellings. The 1929 aggregate for these areas was only exceeded in this record by the figures for 1922 -- \$11,167,700. The value of building authorized in the Toronto metropolitan area was \$57,522,927 or 24.5 p.c. of the total for the 61 cities, as compared with \$57,817,568 and 27.3 p.c. of the 1928 aggregate.

Winnipeg. - There was a further advance in building indicated by authorizations in Winnipeg, where the total for 1929 was \$11,050,250, as compared with \$10,547,400 in 1928; this was an increase of 4.8 p.c. Non-residential building accounted for about 67 p.c. of the total for 1929, as against 63 p.c. in 1928. St. Boniface, just across the river from Winnipeg, reported building estimated at \$553,103. These two centres together reported 4.9 p.c. of the 1929 aggregate for the 61 centres, compared with 5.2 p.c. in 1928.

Vancouver. - The municipality of Greater Vancouver (including Point Grey and South Vancouver, which until Jan. 1, 1929, were separate cities), issued permits for building valued at \$21,572,727; as compared with the aggregate of \$19,445,288 in 1928, this was an increase of \$2,127,439 or 10.9 p.c. The 1929 total was also higher than in any other year since the pre-war boom, except 1926. North Vancouver, a mile from Vancouver, granted permits for buildings estimated to cost \$292,515, a reduction of 68.0 p.c. from the 1928 total of \$912,780. The metropolitan area of Vancouver reported authorizations valued at \$21,865,242 in 1929, or 9.3 p.c. of the aggregate for the 61 cities; this was the same proportion as in 1928.

The Calgary permits, which were higher than in any other year on record except 1911 and 1912, aggregated \$11,417,144, as compared with \$6,302,142 in 1928. There was, therefore, an increase of 81.2 p.c. during 1929. The Calgary total was fourth highest in the 61 cities, being exceeded only by the figures for Toronto, Montreal and Vancouver. Approximately 75 p.c. of the aggregate value was for non-residential building.

Regina. - The value of building represented by permits issued in Regina during 1929, \$10,022,631, was higher than in any other year on record, exceeding the previous maximum in 1912 by 24.6 p.c. and the 1928 aggregate by 51.4 p.c. Only about 34 p.c. of the building authorized was for residential building, a considerable portion of the remainder having been classed as industrial building.

Hamilton authorized building valued at \$7,008,320, or 10.5 p.c. more than the 1928 aggregate of \$6,342,100. The 1929 total was the largest in the 20 years for which returns are available. Slightly over 75 p.c. of the total was classified as non-residential building; a considerable programme of industrial expansion having been undertaken in 1929.

Saskatoon recorded an aggregate of \$5,902,123, which was 2.5 p.c. higher than the 1928 authorizations of \$5,756,542. It also exceeded the total for any other of the 20 years for which statistics are available except 1912. Dwellings constituted about 28 p.c. of the total value of the authorized building.

The Quebec City authorizations amounted to \$5,684,183, very slightly less than the aggregate of \$5,710,144 reported in the preceding year; about 40 p.c. of last year's total was for dwellings, while in 1928 residential construction predominated.

In Edmonton, permits were granted for building estimated to cost \$5,670,185, an increase of 68 p.c. over the 1928 aggregate. The 1929 figure was higher than in any other year since 1914. Non-residential building accounted for over 74 p.c. of the total authorizations in Edmonton during 1929.

Windsor, with new buildings estimated to cost \$5,571,849, showed improvement over 1928 and 1927, but the total was less than in 1926. The five Border Cities, - Windsor, East Windsor, Riverside, Sandwich and Walkerville - together issued permits for building valued at \$9,003,646, compared with \$8,644,273 in 1928.



In Halifax, the estimated building reached the exceptionally high total of \$5,209,245, which exceeded that for the previous year by 85.5 p.c., and was also slightly greater than the previous maximum of \$5,194,805 reported in 1919. The high totals in that year, and also in 1918, were due to the rebuilding programme following the disastrous explosion of December, 1917.

Victoria reported construction valued at \$3,862,681, the highest aggregate since 1912, exceeding that for 1928 by 111.3 p.c. Only about 12 p.c. of the total was earmarked for residential building.

In Ottawa, the permits issued represented building valued at \$3,403,333, a decline of 37.2 p.c. from the total of \$5,421,085 in the preceding year, when a permit was granted for a large public building, work on which was carried on in 1929.

Westmount authorizations, already mentioned in connection with Montreal, amounted to \$3,220,145, or 17 p.c. less than in 1928. Some 54 p.c. of the 1929 aggregate was classed as residential building.

Permits valued in the aggregate at over \$1,000,000 in each case were also taken out in Saint John, Three Rivers, Fort William, Kitchener, London, Oshawa, St. Catharines, Sarnia, Walkerville, Moose Jaw and New Westminster.

The 32 cities recording increases in the value of permits granted during 1929 as compared with the preceding year are as follows:- Charlottetown, Halifax, New Glasgow, Sydney, Moncton, Saint John, Montreal, Belleville, Chatham, Galt, Guelph, Hamilton, Kingston, Owen Sound, Stratford, St. Catharines, Sarnia, Sault Ste. Marie, York Townships, Windsor, Sandwich, Winnipeg, Regina, Saskatoon, Calgary, Edmonton, Lethbridge, Medicine Hat, Kamloops, Nanaimo, Vancouver and Victoria.

#### BUILDING ACTIVITIES BY MONTHS.

The building permits issued in April, May and June, \$29,656,709, \$24,185,738 and \$27,816,592, respectively, were higher than in any other month of 1929. In 1928, the greatest aggregate, viz., \$27,515,522, was reported in May.

#### BUILDING ACTIVITIES BY TYPES OF BUILDINGS.

Some 50 cities furnished detailed reports, showing that they had issued nearly 14,000 permits for dwellings estimated to cost nearly \$69,000,000, and more than 31,000 permits for other buildings at a proposed cost of over \$156,000,000. The average estimated cost per dwelling was, therefore, about \$5,000, while the average for other buildings was also nearly \$5,000. The former category includes houses and apartments, and in many, but not all cases, repairs and alterations. Permits for garages usually constitute a large proportion of the total number of buildings other than residential, but in most cases have a low valuation. During 1928, nearly 16,000 permits were granted for dwellings at a proposed cost of \$77,000,000, an average of \$4,800; some 32,000 other permits were also issued for buildings valued at \$124,000,000, giving an average of about \$3,900 per building.

#### BUILDING ACTIVITIES IN 35 CITIES, WITH COMPARISONS FROM 1911.

The value of the building permits taken out in the 35 cities originally used in these compilations was \$211,228,814, as compared with \$193,937,232 in 1928; this was an increase of 8.9 p.c., as compared with the advance of 7.2 p.c. in the aggregate for 61 cities. The proportion of the permits issued in these 35 cities to the grand total was 89.9 p.c. in 1929, compared with 88.5 p.c. in 1928.

The 1929 total for the 35 cities was the highest in the record, being 8.9 p.c. greater than in 1928 and 4.7 p.c. higher than in 1912, which up to 1928 was the maximum in this record of 20 years; it should be noted in this comparison that the figures for the years since 1920 have been revised to include the totals for Point Grey and South Vancouver, which were amalgamated with Vancouver as from Jan. 1, 1929, to form the municipality of Greater Vancouver. Figures for these two centres are not available prior to 1920.

Table 2 gives, by provinces, the value of the building permits issued in the 35 cities since 1910, as well as indexes of cost of building materials and of wages in the building trades.

#### BUILDING ACTIVITIES IN THE FOUR LARGEST CITIES, WITH COMPARISONS FROM 1911.

The value of the building represented by the permits issued in Montreal, Toronto, Winnipeg and Vancouver aggregated \$126,387,555, an increase of 7.2 p.c. as compared with the 1928 total of \$117,947,777. There were large gains in Montreal, Winnipeg and Vancouver, but building in Toronto showed a reaction from the exceptionally high total registered during the preceding year. The proportion of the building authorized in these centres to the aggregate for the 35 cities, 59.8 p.c., was lower than in any previous year since 1921; this ratio was at its maximum in 1910, when the four largest centres, (without Point Grey and South Vancouver, which were not then classed as towns), reported 65.5 p.c. of the building authorized in the co-operating cities. In 1926 the proportion, including these two cities, was apparently slightly higher at 65.7 p.c., but without them, it was only 63.8 p.c.

When the estimated cost of building authorized in the "satellite cities" in the immediate vicinity of the four leading cities is added, the value of the building authorized by the permits in these metropolitan areas was \$140,277,591; this was an increase of 6.4 p.c. over the 1928 aggregate of \$131,844,237.

1911. Table 3 is a record of building permits issued in the four largest cities since



Table 1.- Estimated Cost of Building Work as indicated by the Value of Building Permits issued by 61 cities.

Cities	1929	1928	1927	1926
	\$	\$	\$	\$
P.E.I. Charlottetown	20,000	-	-	29,000
Nova Scotia	5,748,282	3,078,176	1,840,647	908,945
x Halifax	5,209,245	2,808,357	1,537,899	764,498
New Glasgow	305,370	64,515	10,850	7,870
x Sydney	233,667	205,304	291,898	136,577
New Brunswick	2,037,934	1,262,266	1,365,065	771,421
Fredericton	23,500	148,015	14,779	37,050
x Moncton	768,698	270,813	736,110	342,701
x Saint John	1,245,736	843,438	614,176	391,670
Quebec	57,984,175	49,933,504	58,320,532	42,167,440
x Montreal -xMaisonneuve	46,065,924	36,347,901	45,200,842	31,720,049
x Quebec	5,684,183	5,710,144	6,360,165	3,939,281
Shawinigan Falls	770,618	1,163,581	347,835	315,760
x Sherbrooke	755,240	1,128,233	689,930	712,350
x Three Rivers	1,488,065	1,681,450	2,332,500	1,445,575
x Westmount	3,220,145	3,902,195	3,389,260	4,034,425
Ontario	95,055,827	104,777,566	79,883,344	65,373,757
Belleville	533,730	239,323	670,010	306,610
x Brantford	473,387	802,528	571,599	232,049
Chatham	813,560	780,020	575,087	591,650
x Fort William	1,759,000	2,062,000	1,209,450	1,291,250
Galt	527,315	378,581	181,023	181,185
x Guelph	607,377	462,815	493,169	344,616
x Hamilton	7,008,320	6,342,100	3,837,150	3,128,950
x Kingston	908,900	678,203	420,467	608,532
x Kitchener	1,645,351	1,524,625	1,272,632	1,100,111
x London	2,408,900	2,561,705	2,814,950	3,621,200
Niagara Falls	905,510	2,056,415	1,517,510	1,504,000
Oshawa	1,478,090	3,015,070	5,255,188	1,044,100
x Ottawa	3,403,333	5,421,085	6,446,045	3,101,748
Owen Sound	529,850	262,375	330,350	154,450
x Peterborough	618,278	625,577	624,295	342,757
x Port Arthur	555,945	5,292,545	3,473,736	961,580
x Stratford	354,849	224,412	221,254	480,915
x St. Catharines	1,432,392	1,249,141	1,147,286	940,642
x St. Thomas	172,190	362,732	92,682	138,597
Sarnia	1,021,962	814,586	1,064,415	601,646
Sault Ste. Marie	782,059	402,419	329,461	235,766
x Toronto	47,698,654	51,607,188	31,274,876	26,029,584
York and East York Townships	9,824,273	8,210,380	6,041,635	5,558,540
Welland	301,500	309,866	400,364	404,049
x Windsor	5,571,849	4,518,723	4,930,832	7,319,454
East Windsor	561,382	758,315	1,054,531	1,592,058
Riverside	383,225	496,460	624,340	455,630
Sandwich	856,190	762,775	1,323,140	1,707,550
Walkerville	1,631,000	2,108,000	1,527,000	1,268,000
Woodstock	287,456	447,602	158,867	126,538
Manitoba	12,007,695	11,846,635	8,561,122	11,091,372
x Brandon	404,342	428,130	230,252	227,516
St. Boniface	553,103	871,105	761,570	501,256
x Winnipeg	11,050,250	10,547,400	7,569,300	10,362,600
Saskatchewan	16,950,228	13,449,826	7,928,574	6,529,041
x Moose Jaw	1,025,474	1,074,078	1,230,489	268,326
x Regina	10,022,631	6,612,206	3,482,090	4,242,511
x Saskatoon	5,902,123	5,756,542	3,215,995	2,018,204
Alberta	17,953,321	10,292,579	5,398,691	4,115,317
x Calgary	11,417,144	6,302,142	2,330,131	1,999,048
x Edmonton	5,670,185	3,374,971	2,568,565	1,853,735
Lethbridge	559,392	498,590	438,684	236,359
Medicine Hat	306,600	116,876	61,311	26,175
British Columbia	27,187,087	24,465,163	21,315,767	25,400,314
Kamloops	241,247	128,761	252,488	187,269
Nanaimo	112,640	45,269	211,065	77,496
x New Westminster	1,011,629	1,928,324	1,082,114	748,169
Prince Rupert	93,648	176,804	252,240	187,465
x Vancouver 1/	21,572,727	19,445,288	16,669,680	22,937,602
North Vancouver	292,515	912,780	322,739	564,074
x Victoria	3,862,681	1,827,937	2,524,741	698,239
Total - 61 cities	234,944,549	219,105,715	184,613,742	156,386,607
xTotal - 35 cities	211,228,814	193,937,232	160,886,560	138,485,061

1/ Includes Point Grey and South Vancouver, formerly given separately.



Table 1.- Estimated Cost of Building Work as indicated by the Value of Building Permits issued in 61 cities (concluded).

Cities	1925	1924	1923	1922
	\$	\$	\$	\$
P.E.I. Charlottetown	21,800	31,900	50,200	81,500
Nova Scotia	1,099,787	901,621	739,646	2,416,024
x Halifax	1,035,564	731,209	378,699	1,752,632
New Glasgow	20,286	18,505	41,785	58,545
x Sydney	43,937	151,907	319,162	604,847
New Brunswick	986,325	1,492,364	1,049,856	2,028,239
Fredericton	98,175	257,325	305,895	283,197
x Moncton	204,620	101,774	385,461	1,037,942
x Saint John	683,530	1,133,265	358,500	707,100
Quebec	35,186,268	42,562,336	35,483,853	30,330,234
x Montreal -x Maisonneuve	25,520,523	31,013,419	27,125,863	21,132,586
x Quebec	3,274,371	7,331,846	4,786,933	5,397,566
Shawinigan Falls	384,925	229,377	124,990	124,400
x Sherbrooke	1,037,110	529,878	732,100	712,000
x Three Rivers	2,064,815	1,046,210	780,735	1,193,650
x Westmount	2,904,524	2,411,606	1,933,232	1,770,032
Ontario	59,888,867	57,330,141	74,673,080	81,396,259
Belleville	194,725	195,000	54,825	254,400
x Brantford	159,537	191,480	615,686	465,420
Chatham	193,858	352,329	245,867	366,317
x Fort William	727,340	1,272,570	1,425,130	1,446,685
Galt	108,723	124,742	135,631	731,707
x Guelph	426,641	404,304	571,484	964,808
x Hamilton	2,675,830	3,309,800	5,452,930	4,928,465
x Kingston	493,758	1,035,620	649,233	701,495
x Kitchener	1,546,262	1,221,122	1,893,892	2,461,321
x London	2,389,800	2,113,500	3,261,065	2,605,630
Niagara Falls	1,114,290	802,622	758,513	676,694
Oshawa	576,205	786,985	1,923,110	1,155,130
x Ottawa	4,942,327	2,540,699	3,521,817	5,021,782
Owen Sound	536,970	161,125	319,450	196,450
x Peterborough	272,637	437,510	295,798	439,154
x Port Arthur	402,488	1,186,207	2,640,321	1,167,429
x Stratford	407,731	641,619	509,272	700,527
x St. Catharines	666,962	713,638	806,310	1,290,576
x St. Thomas	350,181	164,026	334,239	221,964
Sarnia	725,698	840,803	791,470	880,260
Sault Ste. Marie	242,993	559,245	401,032	583,813
x Toronto	25,797,196	23,926,028	30,609,227	35,237,925
York & East Townships	6,611,440	5,710,400	8,921,650	11,167,700
Welland	124,320	178,880	206,105	362,371
x Windsor	4,333,945	4,429,308	4,725,034	4,143,495
East Windsor	1,104,445	1,371,662	1,539,702	1,473,270
Riverside	600,750	403,450	334,945	223,265
Sandwich	1,224,765	959,799	809,754	854,250
Walkerville	851,000	1,058,000	610,000	431,000
Woodstock	86,050	237,668	309,588	242,956
Manitoba	5,205,828	3,867,102	5,177,487	7,653,442
x Brandon	76,579	270,825	183,034	225,029
St. Boniface	972,559	418,377	510,353	552,663
x Winnipeg	4,156,690	3,177,900	4,484,100	6,875,750
Saskatchewan	2,531,380	2,856,190	2,405,976	3,982,213
x Moose Jaw	243,535	501,129	289,398	379,180
x Regina	1,208,403	939,785	1,264,030	1,784,124
x Saskatoon	1,079,442	1,415,276	852,548	1,818,909
Alberta	2,862,260	3,695,604	2,597,987	5,723,204
x Calgary	1,197,475	1,031,420	821,840	3,102,700
x Edmonton	1,481,890	2,305,095	1,488,670	2,338,109
Lethbridge	161,189	226,222	258,570	243,695
Medicine Hat	21,706	132,867	28,907	38,700
British Columbia	17,246,852	13,845,890	11,343,536	14,604,292
Kamloops	99,105	163,861	99,728	146,165
Nanaimo	212,591	89,005	137,507	85,981
x New Westminster	704,263	321,432	350,848	332,050
Prince Rupert	1,337,769	209,312	97,148	314,412
x Vancouver 1/	14,077,065	11,100,736	9,387,599	12,585,611
North Vancouver	268,542	1,123,441	220,546	107,069
x Victoria	547,517	838,103	1,050,160	1,033,004
Total - 61 Cities	125,029,367	126,583,148	133,521,621	148,215,407
x Total - 35 Cities	107,134,488	109,940,246	114,284,350	126,579,497

1/ Includes Point Grey and South Vancouver formerly given separately.



Table 2.- Estimated Cost of Building Work in the years 1911-1929, by provinces, as indicated by Building Permits issued by 35 cities.

Provinces	No. of cities	1929	1928	1927	1926	1925	1924	1923	1922	1921
Nova Scotia	(2)	5,442,912	3,013,661	1,829,797	901,075	1,079,501	883,116	697,861	2,357,479	2,756,211
New Brunswick	(2)	2,014,434	1,114,251	1,350,286	734,371	888,150	1,235,039	743,961	1,745,042	1,274,020
Quebec	(6)	57,213,557	48,769,923	57,970,697	41,851,680	34,801,343	42,332,959	35,358,863	30,205,834	28,603,603
Ontario	(15)	74,618,725	83,735,379	58,830,423	49,641,985	45,592,635	43,587,431	57,311,438	61,796,676	43,960,394
Manitoba	(2)	11,454,592	10,975,530	7,800,552	10,590,116	4,233,269	3,448,725	4,667,134	7,100,779	6,329,590
Saskatchewan	(3)	16,950,228	13,449,826	7,928,574	6,529,041	2,531,380	2,856,190	2,405,976	3,982,213	3,434,681
Alberta	(2)	17,087,329	9,677,113	4,898,696	3,852,783	2,679,365	3,336,515	2,310,510	5,440,809	3,862,496
British Columbia 1/	(3)	26,447,037	23,201,549	20,276,535	24,384,010	15,328,845	12,260,271	10,788,607	13,950,665	8,686,950
Total 35 cities 1/		211,228,814	193,937,232	160,886,560	138,485,061	107,134,488	109,940,246	114,284,350	126,579,497	98,907,945
2/ Average weighted index numbers of wholesale prices of building materials		99.0	98.1	96.1	100.0	102.9	106.6	111.9	108.7	122.8
3/ Average index numbers of wages in building trades		197.5	185.6	179.3	172.1	170.4	169.1	166.4	162.5	170.5

1/ Includes Point Grey and South Vancouver, amalgamated <sup>with Vancouver</sup> as from Jan. 1, 1929.

2/ Compiled by Dominion Bureau of Statistics. Average 1926=100.

3/ Compiled by Department of Labour. Average 1913=100.



Table 2.- Estimated Cost of Building Work in the years 1911-1929, by provinces, as indicated by Building Permits issued by 35 cities (concluded).

Provinces	No. of cities	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Nova Scotia	(2)	4,308,316	5,898,336	3,295,635	1,320,647	1,348,434	1,262,087	990,293	1,158,954	1,200,781	1,004,958
New Brunswick	(2)	2,236,973	2,674,716	498,748	870,963	675,980	864,339	852,655	2,882,780	689,795	645,556
Quebec	(6)	21,660,492	15,166,851	6,852,354	8,794,149	9,890,630	12,267,849	24,527,591	34,893,449	26,672,297	25,705,190
Ontario	(15)	47,175,077	40,584,834	18,477,012	17,407,571	20,229,574	14,353,828	38,558,430	49,474,905	50,022,468	39,669,026
Manitoba	(2)	8,782,979	3,046,541	2,140,672	2,392,788	2,752,173	1,862,455	13,240,385	19,231,259	21,760,957	19,258,082
Saskatchewan	(3)	5,281,600	3,694,505	2,177,290	1,294,659	687,170	574,987	2,783,235	13,007,665	20,947,160	12,521,629
Alberta	(2)	6,138,055	3,143,346	1,548,270	858,000	895,040	460,375	8,938,627	17,862,103	34,840,639	16,712,432
British Columbia	(3)	7,930,532 <sup>1/</sup>	2,904,284	1,848,289	997,649	3,245,465	1,920,829	6,889,765	15,151,727	29,090,352	22,653,517
Total - 35 cities		103,514,024 <sup>1/</sup>	77,113,413	36,838,270	33,936,426	39,724,466	33,566,749	96,780,981	153,662,842	185,233,449	138,170,390
2/ Average weighted index numbers of wholesale prices of building materials		144.0	117.3	100.9	84.6	69.6	60.5	62.9	67.0	-	-
3/ Average index numbers of wages in building trades		180.9	148.2	125.9	109.9	102.4	101.5	100.8	100.	96.0	90.2

1/ Includes Point Grey and South Vancouver, amalgamated with Vancouver as from Jan.1,1929.

2/ Compiled by Dominion Bureau of Statistics. Average 1926=100.

3/ Compiled by Department of Labour, Average 1913 = 100.



Table 3.- Building Permits Issued by Four Largest Cities, 1911-1929.

City	1929	1928	1927	1926	1925	1924	1923	1922	1921
Montreal	46,065,924	36,347,901	45,200,842	31,720,049	25,520,523	31,013,419	27,125,863	21,132,586	21,291,273
Toronto	47,698,654	51,607,188	31,274,876	26,029,584	25,797,196	23,926,028	30,609,227	35,237,925	23,878,246
Winnipeg	11,050,250	10,547,400	7,569,300	10,362,600	4,156,690	3,177,900	4,484,100	6,875,750	5,580,400
Vancouver 1/	21,572,727	19,445,288	16,669,680	22,937,602	14,077,065	11,100,736	9,387,599	12,585,611	7,444,913
Total - 4 largest cities 1/	126,387,555	117,947,777	100,714,698	91,049,835	69,551,474	69,218,083	71,606,789	75,831,872	58,194,832
Total - 35 cities 1/	211,228,814	193,937,232	160,886,560	138,485,061	107,134,488	109,940,246	114,284,350	126,579,497	98,907,945
Total - 61 cities	234,944,549	219,105,715	184,613,742	156,386,607	125,029,367	126,583,148	133,521,621	148,215,407	116,794,414
Proportion of permits issued in 4 largest cities to total for 35 cities	59.8	60.8	62.6	65.7	64.9	63.0	62.7	60.0	58.8
Proportion of permits issued in 4 largest cities to total for 61 cities	53.8	53.8	54.6	58.2	55.6	54.7	53.6	51.2	49.8

When the "satellite" cities in the immediate vicinity of the four leading cities are added, the percentage of the building in the four metropolitan areas to the total for the 61 cities is as follows: 1929, 59.7; 1928, 60.2; 1927, 60.0; 1926, 64.9; 1925, 63.5; 1924, 62.2; 1923, 62.1; 1922, 60.1; 1921, 58.9 and 1920, 51.8.

1/ Includes Point Grey and South Vancouver, amalgamated with Vancouver as from Jan. 1, 1929.



Table 3.- Building Permits Issued by Four Largest Cities, 1911-1929.

C i t y	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911
Montreal	14,067,609	10,033,901	4,882,873	5,501,918	5,527,544	8,263,021	20,226,401	29,723,452	22,433,398	22,516,832
Toronto	25,737,063	19,617,838	8,535,331	7,163,556	9,881,671	6,651,889	20,694,288	27,038,913	27,401,761	24,373,949
Winnipeg	8,370,150	2,948,000	2,050,650	2,212,450	2,507,300	1,826,300	12,845,050	18,621,650	20,595,750	18,233,550
Vancouver	6,403,851 <sup>1/2</sup>	2,271,411	1,450,229	768,255	2,989,893	1,593,249	4,484,476	10,423,197	19,374,522	17,501,512
Total - 4 largest cities	54,578,673	34,871,150	16,919,083	15,646,179	20,906,408	18,334,459	58,250,215	85,807,212	89,805,431	82,625,843
Total - 35 cities	103,514,024 <sup>1/7</sup>	77,113,413	36,838,270	33,936,426	39,724,466	33,566,749	96,780,981	153,662,842	185,233,449	138,170,390
Total - 61 cities	117,019,622									
Proportion of permits issued in 4 largest cities to total for 35 cities	52.7	45.2	45.9	46.1	52.6	54.6	60.2	55.8	48.5	59.8
Proportion of permits issued in 4 largest cities to total for 61 cities	46.6									

1/ Includes Point Grey and South Vancouver formerly given separately, but from Jan. 1, 1929, amalgamated with Vancouver. Figures for these two centres are not available prior to 1920.