ned and reported upon the Rideau river floods and proposed canal; also the sawdust obstructions in the Ottawa river, giving evidence on the same before a committee of the Senate. In 1887 Major Gray was admitted a member of the Canadian Society of Civil Engineers, having been one of the most active workers in promoting the establishment of that society. From 1888 to 1889 he was resident superintendent engineer, Public Works of Canada, Maritime Provinces. In 1889 he was recalled to take charge of the distric of Ontario, with headquarters in the Confederation Life Building, Toronto, which position he yet fills. In 1890, as a mark of his professional standing, he was nominated by the late Sir James Allport, and admitted to membership of the Institution of Civil Engineers, London, England.

#### ·BUILDING IN TORONTO.

Building operations in Toronto last year an encouraging increase. There were 981 permits issued, representing a value of \$3,518,883. In 1900 the permits numbered 674, and represented a value of \$1,903,136. The year before there were 710 permits, for buildings worth \$2,010,446.

Last year's figures are the highest since 1891, when the permits for the City Hall swelled the total up to four millions. The year's figures are high on account of the general increase in the building business, but the permit for the million dollar hotel accounts for the startling amount of the total.

The \$3.518,883 is divided as follows: 513 brick houses valued at \$1,421,000; 95 alterations to brick houses, \$96,178; 93 roughcast houses, \$78,775; 5 alterations to rougheast houses, \$12,100; 39 stables and sheds, \$39,040; 29 stores and offices, \$89,110; 43 alterations to stores and offices, \$140,075; theatre alterations, \$3,-500; brewery alterations, \$4,000; 8 sainmer residences, \$6,375; tvo hospital alterations, \$8,000; 2 alterations to banks, \$29,000; 5 alterations to churches, \$40,-850; 21 warehouses, \$135,200; 8 hotels, \$1,048,900; 26 factories, \$207,605; 11 alterations to factories, \$63,175; alterations to schools, \$19,500; alterations to colleges, \$57,000; city buildings, \$19,500.

### BUILDING IN MONTREAL

The report of the Building Inspector of Montreal for the year 1901 places the value of new buildings erected during the year in that city at \$2,568,372 and the repairs and alterations at \$332,364, or a grand total of \$2,900,733. The total revenue of the building inspector's department amounted to \$6,526.41, as against \$3,710.48 in 1900.

Arthur Snazel, painter, is removing from Stratford to Goderich, Ont.

# JOHN GALT, G.E.&M.E.

MEN. CAN. SOC. C.E. AND C.E.A., ETC. (Late City Engineer of Ottawa and Chief Engineer of the Water Works Dept.)

CONSULTING ENGINEER and EXPERT ROOM 1. ABERDEEN CHAMBERS, Cor. Victor and Adelaide Sts., TORONTO

Specialties-Water Supply and Sewerage: /



## "GERMANIA" BRAND

\_HIGHEST CLASS PORTLAND CEMENT

McGILL UNIVERSITY TESTS, 1898:
Fineness:—residue on 100 sieve, 4.45
Tensile strength: neat: 7 days, 629
10 28 11 773

OF ALL FIRST CLASS DEALERS.



#### "HEIDELBERG" Brand

(formerly "Schifferdecker")

Highest Class Portland Cement.

Very finely ground.
Output 1900—one million barrels.
Used extensively in construction of the Chaudiere Dam.

... OF ALL FIRST-CLASS DEALERS

#### CEMENT PORTLAND

Samson Brand

**Magnet Brand** 

MADE AT SHALLOW LAKE, ONTARIO

Our celebrated SAMSON BRAND has been before the public for many years, and has made hosts of friends among Contractors and Municipal Corporations until it has become one of the leading Cements on the market today, being excelled by none. This year we have decided to place the MAGNET on the market, and respectfully ask consumers to give it a trial It will, we think, do its own advertising.

Correspondence invited. . . . GEO. S. KILBOURN, Secretary-Treasurer.

WORKS: Shallow Lake, Ont. HEAD OFFICE: Dwan Sound, Ont-



In Excavating in tock for sewers,

The CANADIAN RAND DRILL CO..



Power Pumps Duplex Pumps Electric Pumps Artesian Well Pumps Compressed Air Pumps

We are prepared to equip municipal or other water works plants with Pumping Machinery of the latest and most approved designs. We manufacture Steam and Power Pumps of all types, for any duty. Our long experience is behind all our products. They are the standard in Canada for excellent service. Catalogues and specifications on request from The Northey Company, offices and workshops at Toronto, Ont.

We have several excellent second

hand pumps in first-class condition for water works services at close prices. Send for Catalogues.

THE COMPANY

Company

Cinited Toronto

# The KERR ENGINE GOMPANY, Limited

PUMPING MACHINERY HYDRANTS and VALVES

Are our Specialty

Don't fail to write us for Catalogue and prices.

WALKERVILLE,

**ONTARIO** 

