as unfortunate that through misunderstandings this g society should have to face such difficulties as it luring the past few months. The re-elected officers ndoubtedly put forth every effort to at once organize ches in many sections of America. The building up e headquarters of the organization will be helpful to e in outlying districts.

ULATION IN CANADIAN CITIES ACCORDING TO AREA.

The question of density of population has not had very influence on problems in Canada. In the past we have pretty much length and breadth to consider, density of ation only becoming an important factor recently.

The following table was compiled with a view of indicating the density of population in Canadian towns and cities. Figures given vary from our largest city to some of our er towns. Studying the table, one will notice a unity in density of certain populations, but it will also be that this varies with locality. The list could have been ly enlarged, but we felt that the cities given here are sentative centres.

or City.	Population.	Area in acres.	Population per acre.	Total Assessment in $.	Assessment per acre in $.
o, Ont.	387,000	11,410	33.9	206,562,158	18,103.6
eg, Man.	118,300	13,990	8.4	116,101,390	8,298.8
uver, B.C.	100,000	7,140	14.0	106,454,265	14,909.5
on, Ont.	67,000	3,990	16.7	37,169,767	9,315.7
a, B.C.	45,000	4,637	9.7	28,326,120	6,108.7
, Alta.	35,000	7,680	4.5	30,880,000	4,020.8
ton, Alta.	23,000	9,000	2.5	25,584,000	2,842.6
orough, Ont.	16,500	2,808	5.8	8,552,105	3,045.6
, Ont.	14,000	3,200	4.4	6,667,740	1,896.1
Ont.	13,000	3,000	4.4	5,898,443	1,966.1
harines, Ont.	12,300	2,400	5.1	6,338,454	2,641.0
n, Man.	11,300	5,760	1.9	8,088,929	1,404.3
Ont.	9,200	1,477	6.2	4,424,782	2,995.7
lle, Ont.	9,200	1,242	7.5	3,753,700	3,023.9
Ont.	6,800	2,550	2.6	3,175,012	1,245.1
ll, Ont.	6,300	680	9.3	2,213,939	3,255.7
h, Ont.	4,632	5,760	4.6	1,961,842	1,961.8
l, Ont.	4,100	567	7.2	1,424,408	2,512.1
l, Ont.	4,000	800	5.0	2,140,800	2,676.0
y, Ont.	4,000	2,560	1.5	1,095,973	428.1
que, Ont.	4,000	2,206	3.3	1,376,735	1,141.5
Sound, Ont.	3,819	1,300	2.9	1,590,065	1,223.1
, Ont.	3,325	805	4.1	1,187,163	1,474.6
on, Ont.	3,200	1,215	2.6	1,272,115	1,047.0
rest, Ont.	2,300	1,414	1.6	765,959	541.6
va, Man.	2,100	4,000	.525	970,200	242.5

EMENTARY ELECTRICAL ENGINEERING.

L. W. Gill, M.Sc.

This series of articles will be continued for ome months. They will be of particular interest to the student of electrical work and the ivil engineer anxious to secure some knowledge f the simpler electrical problems.

Batteries.—An electric battery may be defined as a ination of substances between which there is a ence of potential due to their chemical affinity. For ple, if a piece of zinc is immersed in a vessel of sulphuric acid, the acid tends to combine with the and form zinc sulphate. This chemical affinity een the acid and zinc gives rise to an e.m.f. at the ce separating the two. This e.m.f. is a measure