

IMPROVED "SAMSON" BATTERY

The Strongest and Best open-circuit Battery in the world.



Cheapest Battery to use.

JOHN STARR, SON & CO., Limited.
 HALIFAX, N. S.
 Agent for Ontario and Quebec:
JOHN FORMAN, - MONTREAL

Please mention the ELECTRICAL NEWS when corresponding with advertisers.

ESTABLISHED 1849.
CHARLES F. CLARK, JARED CHITTENDEN,
 President. Treasurer.
BRADSTREETS'
 Capital and Surplus, \$1,500,000.
 Offices Throughout the Civilized World

Executive Offices:
 Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by responsible and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the company at any of its offices. Correspondence invited.

THE BRADSTREET COMPANY.

Offices in Canada:—Halifax N.S.; Hamilton, Ont.; London Ont.; Montreal, Que.; Ottawa, Ont.; Quebec, Que.; St. John, N.B.; Toronto, Ont.; Vancouver, B.C.; Victoria, B.C.; Winnipeg, Man.

THOS. C. IRVING,
 Gen. Man. Western Canada, Toronto.

JOHN A. FULTON,
 Gen. Man. Eastern Canada, Montreal.

CANADIAN OFFICE & SCHOOL FURNITURE CO. LIMITED
 PRESTON ONT.
 FINE BANK OFFICE, COURT HOUSE & DRUG STORE FITTINGS.
 OFFICE, SCHOOL, CHURCH & LARGE FURNITURE.
 SEND FOR CATALOGUE

TENDERS WANTED
 A Weekly Journal of advance information and public works.
 The recognized medium for advertisements for "Tenders."
CANADIAN CONTRACT RECORD
 TORONTO.

If you want to
SELL ANYTHING
 to the wholesale and retail hardware merchants and manufacturers
ANYWHERE
 in Canada, you can reach them through
THE CANADIAN HARDWARE AND METAL MERCHANT
 MONTREAL and TORONTO
 Circulates in Every Province.

An'it's BELTS, BELTS, BELTS.—R. KIPLING.

F. E. DIXON & CO.
 Oak Tanned

Leather Belting



The Strongest, Heaviest, and Best Belting in the Dominion
AGENTS FOR S. E. NORRIS & CO. 30 Wellington Street East, TORONTO, ONT.
 LONDON - ENGLAND
 ESTABLISHED 1775.
 Send for Price Lists and Discounts.

WESTON ELECTRICAL INSTRUMENT CO.

Berlin: European Weston Electrical Instrument Co., Ritterstrasse No. 83.
 London: Elliott Bros., No. 101 St. Martin's Lane.



WESTON STANDARD PORTABLE
 Direct-Reading
VOLTMETERS, MILLIVOLTMETERS, VOLTAMMETERS, AMMETERS, MILLIAMMETERS, GROUND DETECTORS AND CIRCUIT TESTERS, OHMMETERS, PORTABLE GALVANOMETERS

Our Portable Instruments are recognized as THE STANDARD the world over. Our STATION AMMETERS and VOLTMETERS are unsurpassed in point of extreme accuracy and lowest consumption of energy.

JUST PUBLISHED

THE CANADIAN HAND-BOOK OF STEAM AND ELECTRICITY

By **William Thompson**

170 Pages
 Illustrated

In Strong Cloth Binding



THE preparatory chapters are devoted to a concise explanation of the foundation principles of Mathematics, a knowledge of which is absolutely necessary to the study of Electricity and Engineering. In the succeeding chapters the student is led by gradual stages to a more complete acquaintance with these subjects, and is equipped with knowledge to enable him to pursue his researches to any further extent.

Price - 50 Cents

THE **C. H. MORTIMER PUBLISHING CO.**
 of TORONTO, Limited

TORONTO - CANADA

Send for Table of Contents.