

OLD SERIES, VOL. XV.-No. 4. NEW SERIES, VOL. 111,-No. 3. TORONTO AND MONTREAL, CANADA, MARCH, 1893.

PRICE 10 CENTS



MAGNOLIA METAL

-IN USE BY-

EIGHT LEADING GOVERNMENTS.

BEST ANTI-FRICTION METAL FOR

High-speed Engine, Dynamo, Rolling-Mill, Steamship, Railroad, Saw-Mill, Gotton-Mill, Paper-Mill, Woolen-Mill, Silk-Mill, Jute-Mill, Rubber-Mill, Sugar-Mill, Flour-Mill and all Machinery Bearings.

MAGNOLIA ANTI-FRIGTION METAL GO.,

London Office: 75 Queen Victoria St. Chicago Office: 41 Traders Building, Montreal Office: H. McLaren & Co., Agents.

74 Cortlandt Street, NEW YORK.

JOHN LANGTON & CO.

Canada Life Building, Toronto

ELECTRICAL - ENGINEERS - AND - CONTRACTORS

— Complete Plants installed.

Plants requiring special combinations of Electrical Machinery a Specialty.

CORRESPONDENCE SOLICITED.

"DIRECT-DRIVEN" DYNAMOS for large and small plants.

SLOW SPEED GENERATORS AND MOTORS.

Sole Canadian Agents for the Waddell-Entz Alkaline Storage Batteries.



Automatic Arc Dynamos and Lamps.
Direct Current Incandescent Dynamos.
Alternating Current Incandescent Dynamos.
Transformers of High Efficiency.
Electric Motors. All Electric Supplies.

Our record for the past 10 years as Electrical Manufacturers guarantees purchasers satis faction. Ask our customers about cost of repairs on Ball apparatus.

. . . EXCLUSIVE DOMINION REPRESENTATIVES OF . . .

NATIONAL ELECTRIC MFG. Co.

THE BALL ELECTRIC LIGHT COMPANY, LIMITED,

Incorporated 1882.

70 Pearl Street. TORONTO.