

# INDUSTRIAL WORLD

AND NATIONAL ECONOMIST.

DEVOTED TO HOME INDUSTRIES, SCIENCE, COMMERCE, FINANCE, INSURANCE, RAILROADS AND MINING.

VOL. III—No. 67.

THURSDAY, OCTOBER 20, 1881.

\$3 PER ANNUM.

THE  
**Industrial World**

AND NATIONAL ECONOMIST.

PUBLISHED ONCE A WEEK.

FREDERIC NICHOLS, GENERAL MANAGER,  
TORONTO.

TO SUBSCRIBERS

Canada and the United States,  
\$3.00 in advance, per year. Three Dollars.  
Remittances should be made by registered  
letter or money order payable to F. NICHOLS,  
Manager, Industrial World.

TO ADVERTISERS.

The Industrial World, on account of its  
large and general circulation, commands itself  
as an advertising medium for all who seek  
business with manufacturers and the whole  
retail trade. Its advertising rates are low when  
compared with those of other leading scientific  
and industrial publications. *Cost of rates  
on application.*

*Business advertisements should be ordered  
to reach the office by Tuesday morning in  
order to insure their insertion in the paper of the  
following day.*

TO CORRESPONDENTS

The department "National Industries," is  
not open to the unrestricted use of those who  
desire to place their views on interesting  
topics before their brethren in the trade.  
Nothing in the nature of an advertisement  
will be printed in this department.

*The publisher will be obliged to all who will  
call on him in regard to necessary alterations,  
and each will be printed in their appropriate  
places.*

All editorial communications to be ad-  
dressed to

INDUSTRIAL WORLD OFFICE,  
DRAWER 1010, OTTAWA, ONT.

All business letters, inquiries and adver-  
tisements, to be addressed to

FREDERIC NICHOLS,  
INDUSTRIAL WORLD OFFICE,  
TORONTO, ONT.

**TEES, COSTIGAN & WILSON**  
TEA IMPORTERS

**WHOLESALE CROCCERS**

66 ST. PETER STREET, MONTREAL.

GOLD MEDAL, PARIS, 1867.

HONOUR MEDAL, BERLIN, 1878.

**H. TILLMANN'S**

**ANILINE DYES**

Supplied either Direct from the Factory at OREFELD, Germany,  
or from the Depot of his Agent,

**CHAS. MARTIN, MONTREAL.**

**CHARLES D. EDWARDS,**

MANUFACTURER OF



**Fire Proof Safes**

WITH INSIDE BOLT WORK.

Fire and Burglar Proof Securities.

**WAREHOUSES:**

**39 Bonaventure Street, Montreal.**

SEND FOR PRICE LIST.

**STILL AT THE HEAD.**

**GRAY'S PATENT NOISELESS ROLLER MILL.**

**CORRUGATED,**

**SMOOTH**

**SHARP**

**IRON**

**ROUND.**

**PORCELAIN.**

**EVERY MILL A SUCCESS.**

Corrugations furnished of all descriptions. The machine once adjusted needs no more attention. Rolls thrown apart  
without stopping machine. Feed regulated by shifting of lever.

**UNPRECEDENTED SUCCESS.**

Weisman's Patent Porcelain Rolls in Gray's Patent Noiseless Roller Frame Over 500 now in use. Send for  
particulars.

**MILLER BROS. & MITCHELL,**

110, 112, 114 and 116 King St., Montreal.

Sole Licensees for Dominion of Canada.

Also manufacturers of best class Milling Machinery, Mining and Contractors' Plant, Importers of Best Steel Wire  
Ropes, etc.

**British American Dyeing Co. Dominion Belt and Hose Co.**

MERCHANT OR PIECE GOODS DYERS IN SILK  
WOOL OR MIXED GOODS

GENTS AND LADIES GARMENT DYERS. SILK  
AND SILK VELVETS A SPECIALTY.

**397 RICHMOND STREET LONDON.**

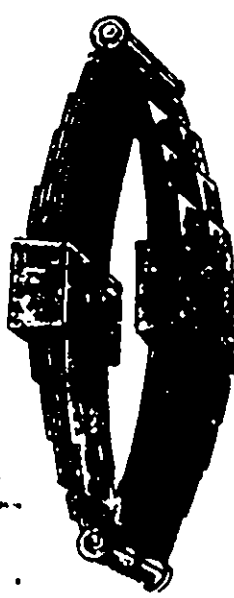
21 St. Joseph Street and 211 McGill Street Montreal  
21 King Street East Toronto  
127 South Street Ottawa  
27 Richmond Street London  
21 John Street Quebec

The only place in the Dominion where all classes of work  
can be entrusted equal to the best houses in Europe.  
Price list will be sent to any address by applying to any of  
our Offices.

**James D. McArthur  
(MANAGER.)**

**LEATHER BELTING (Oak Tanned),  
LACE LEATHER, FIRE ENGINE  
HOSE, ETC.**

**42 Front St., Toronto.**



**FILE  
AND  
SPRING**

**CO., MONTREAL.**  
Office, 198 St. James St.  
P.O. BOX 618  
Montreal, Que. St. Paul

MANUFACTURERS OF  
SUPERIOR HAND CUT  
FILES AND RASPS  
RAILWAY and  
Carriage Springs.

SPRINGS  
**A Specialty.**

ALL  
WORK  
Guaranteed.

PRICES  
and  
DISCOUNTS

ON  
APPLICATION.

**SOLE MANUFACTURERS**  
For the Dominion of Canada of the  
**PATENT CONCAVED ELLIPTIC SPRING**  
Now in general use. 25 per cent saving over any  
other spring used.

**DON'T FAIL TO EXAMINE OUR EXHIBIT.**

**CHARLES MARTIN**  
25 & 27 St. Peter St.  
MONTREAL.

IMPORTER OF  
**FINE COLOURS & PAINTS**

ANILINE DYES,  
BRONZE POWDERS,  
GOLD, SILVER and  
METAL LEAF,  
MIRROR PLATES,  
PLUMBAGO,  
SLATE PENCILS,  
MARBLES,  
CHEMICALS,  
TINFOILS and CAP-  
SULES,  
DYE STUFFS,  
ESSENTIAL OILS,  
FANCY PAPERS,  
GELATINES,  
GLUES, GLYCERINE,  
GRMS  
PRINTING INKS,

MANUFACTURER OF  
Square, Ball and Liquid  
**LAUNDRY BLUES,**  
MARTIN'S ROYAL BLACK LEAD,  
SUNBEAM STOVE POLISH,  
Lamp Burners, etc.

**LEATHER  
BELTING**

**Chipman, Renaud & Co.**

MANUFACTURERS OF  
Leather Belting,  
FIRE ENGINE HOSE,  
LACE LEATHER, etc.

**124 & 126 Queen St.,  
MONTREAL.**

**FANCY GOODS,  
TOYS,  
NOTIONS, ETC.**

Merchants visiting either Montreal or Toronto  
are respectfully invited to call and examine our  
stock, which is now complete in every depart-  
ment for the fall and holiday trade.  
Never before have we had such a  
large and beautiful assortment of

Fancy Chinaware,  
Glassware,  
Photograph Albums,  
Velvet and Wood Frames,  
Toilet Cases,  
Music Boxes,  
Work Boxes,  
Desks,  
Cabinets,  
Tin Toys,  
Wood Toys,  
Mechanical Toys,  
Dolls (in great variety),  
Drums,  
Guns,  
Swords, etc., etc.

**NOVELTIES**  
In every department at

**H. A. Nelson & Sons**  
Manufacturers and Importers.

Toronto House, Montreal House,  
26 & 28 FRONT ST. WEST. 69 TO 83 ST. PETER ST.