

PATENT AGENTS AND ATTORNEYS.

DETROIT.

A. BARTHEL. JAS. WHITEMORE.
THOS. S. SPRAGUE & SON, Solicitors of United States
 and Foreign Patents, No. 37 Congress St. West, Detroit.

TORONTO.

PATENTS PROCURED IN CANADA, UNITED STATES
 and Foreign Countries. DONALD C. RIDOUT & Co.,
 Solicitors of Patents, 22 King Street East, Toronto.

WASHINGTON.

C. A. SNOW. E. G. SIGGERS.
C. A. SNOW & CO., Solicitors of Patents, 710 G Street,
 N.W., opposite U. S. Patent Office, Washington, D.C.

MONTREAL.

F. H. REYNOLDS, Solicitor of Patents, and Expert in
 Patent Cases, Temple Building, St. James Street,
 Montreal. Agencies in Washington, London, and all chief cities.

J. EMILE VANIER, Civil and Hydraulic Engineer, Patent
 Solicitor, Imperial Building, 107 St. James St., Montreal.

OTTAWA.

A. HARVEY, C. E., Patent Attorney and Notary Public,
 Ottawa, Canada. Established 1884, with 20 years
 Professional experience in Canada, England and Germany.
 Patents, Designs, Trade-marks, Copyrights, in Canada, United
 States, England and all foreign countries. Preliminary and
 Expert Examinations, Infringement Experting. Offices, 135
 Sparks Street. Address, Postal Box 1071; Telegraph: Harvey.
 Bell Telephone 347.

ELECTROTYPERS, &c.

ENGRAVINGS
ELECTROTYPES

Patentees write for Specimens
BISHOP'S
 169 St. James Street,
 MONTREAL.

Industries!

A Journal of Engineering, Electricity
 and Chemistry

FOR THE

MECHANICAL AND MANUFACTURING TRADES.

PUBLISHED EVERY FRIDAY.

ANNUAL SUBSCRIPTIONS.

	Thick Paper	Thin Paper
Great Britain, Post Free, - -	\$6.00	\$6.00
The United States, Canada, and countries included in Postal Union, Post Free,	9.00	8.00
India, Ceylon, Straits Settlements, China, Japan, &c., Post Free, - -	10.75	9.00

SUBSCRIPTIONS PAYABLE IN ADVANCE TO

GEO. CAWLEY, 358 Strand, LONDON, W.C.

MANCHESTER, 70 Market St.; GLASGOW, 93 Hope St.;
 YOKOHAMA, (JAPAN) 32 Main St.

HELLIWELL'S PATENT.

GLAZING WITHOUT PUTTY!
 AND

ZINC ROOFING WITHOUT EXTERNAL FASTENINGS!

Direct Importers of Vieille Montagne and Lipine Zinc.

WATERTIGHT. FREE FROM RATTLE. SAVES ALL OUTSIDE PAINTING. NO DRIP FROM CONDENSATION. OLD ROOFS RE-GLAZED.
 30,000 ft. of old Putty Roofs have been Re-Glazed on this System. Extensively used by H.M. Gov-
 ernment, and generally throughout the country for STATIONS, MARKETS, PICTURE
 GALLERIES, and every description of Roof and Horticultural Buildings.

References to most Eminent Engineers and Engineers of all the leading Railways. For particulars apply to

T. W. HELLIWELL, BRIGHOUSE, YORKSHIRE; AND 5 WESTMINSTER CHAMBERS, LONDON.

To preserve Wood against Decay, Dry Rot and Fungus.
 To preserve Ropes and Leather against Weather.
 To prevent Dampness in Walls,

APPLY

CARBOLINEUM AVENARIUS

REGISTERED.

Used with immense success by Military Authorities, Boards of Works, Railway Companies, Tramways, Mines, Engineers, Builders
 Contractors, Public Gardens, Estates, Breweries, &c.

For Prices and Particulars apply to

PETERS, BARTSCH & CO., DERBY, ENGLAND.

Carbolineum Avenarius can only be had from Peters, Bartsch & Co., or their Authorized Agents.