

SCHEDULE OF PATENT FEES.

On each Caveat.....\$10
On each Trade mark.....\$25
On filing each application for a Patent (1 year).....\$15
On issuing each original Patent.....\$20
On appeal to Examiners-in-Chief.....\$10
On appeal to Commissioner of Patents.....\$30
On application for Reissue.....\$30
On filing a Disclaimer.....\$10
On an application for Design (3 1/2 years).....\$10
On application for Design (7 years).....\$15
On application for Design (14 years).....\$30

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA,
November 12 to 16, 1875.

5,383.—R. C. Nugent et al., Dayton, O., U. S. Machine for turning flanges on boiler heads. Nov. 12, 1875.
5,384.—A. Payette, Montreal, P. Q. Axle box. Nov. 12, 1875.
5,385.—G. W. Copeland, Malden, Mass., U. S. Boot and shoe lasting machine. Nov. 12, 1875.
5,386.—E. S. Howland, Batavia, Ill., U. S. Dress for metallic grinding rings. Nov. 12, 1875.
5,387.—F. N. Dubeis, New York city. Manufacture of plumbers' traps. Nov. 12, 1875.
5,388.—W. H. Babbitt, Toronto, Ont. Cooking pot. Nov. 12, 1875.
5,389.—J. C. Blyth et al., Ottawa, Ont. Milk can. Nov. 12, 1875.
5,390, 5,391.—E. W. Grant, Ypsilanti, Mich., U. S. Step ladder. Extension of No. 4,705. Nov. 12, 1875.
5,392.—A. M. Brush, Potsdam, N. Y., U. S. Organ stop action. Nov. 15, 1875.
5,393.—W. H. Johnson et al. Combined milk pan and water vat. Nov. 15, 1875.
5,394.—A. Button, East Saginaw, Mich., U. S. Combined tool. Nov. 15, 1875.
5,395.—A. N. Breneman, Lancaster, Pa., U. S. Boot and shoe holder. Nov. 15, 1875.
5,396.—H. Whiteside, Jr., Montreal, P. Q. Sectional mattress. Nov. 15, 1875.
5,397.—M. Glenn, Stratford, Ont. Machine for separating wheat, seeds, etc. Nov. 15, 1875.
5,398.—F. C. Crean et al., Montreal, P. Q. Propeller wheel. Nov. 15, 1875.
5,399.—E. Lengley, Cincinnati, Ohio, U. S. Addressing machine. Nov. 15, 1875.
5,400.—J. C. Bassett, Oshawa, Ont. Thrashing machine gearing. Nov. 15, 1875.
5,401.—C. Appleton, Whitechurch, Ont. Sleigh brake. Nov. 15, 1875.
5,402, 5,403.—W. N. Whiteley, Springfield, Ohio, U. S. Extension No. 4,863. Mower and reaper. Nov. 16, 1875.

Advertisements.

Back Page \$1.00 a line.
Inside Page 75 cents a line.

Engravings may head advertisements at the same rate per line, by measurement, as the letter press. Advertisements must be received at publication office as early as Friday morning to appear in next issue.

WANTED—For a Steam Tannery, some device or invention to prevent Sparks from escaping from the Chimney. Address, with particulars and price, CYRIL FRANKLIN, Box 202, Halifax, Nova Scotia.

TO ENGINE BUILDERS—NEW ENGINE.—One Cylinder Eccentric, Steam Chest, one Bed, &c., gives same result as two Cylinders in Locomotive Style—no dead centers. Will send explanation, showing economy of construction, simplicity, and desirability. Want responsible builders to introduce the same; will make it an object. Address A. R. C., Lincoln, Illinois.

AN EXCELLENT OPPORTUNITY OFFERED to Enterprising Men: Private Sale of the Missouri Brass Foundry, Steam and Gas Pipe Works of the late John Kupperle, situated at the corner of Second St. and Washington Avenue, in the City of St. Louis, Mo. The above mentioned well known establishment, situated in the heart of the City, and in complete running order, and having a very extensive and valuable custom, is now, by leave of the Probate Court of St. Louis County, offered for sale upon reasonable terms. For particulars, apply to JOSEPH BEGENTHART and CHARLES SEITZ, Executors, No. 608 N. Second Street, St. Louis, Mo.

A VALUABLE ADJUNCT TO CENTENNIAL exhibitors will be an ELEGANT GLASS SHOW TABLE, made from unique and appropriate designs. These brilliant display signs will attract the eye of thousands of visitors, and thus call their special attention to the goods you exhibit. Also varied effects on metal, wood, &c. Prices and information on application. BLACKMER & CO., 96 Court St., Boston, Mass.

AGENTS WANTED FOR POSITIVELY NEW ARTICLES. An economy in every house. Demand unaffected by times. Send stamp for particulars. PLUMB & EAGAN, 17 Court St., Boston, Mass.

TO MANUFACTURERS OF AGRICULTURAL and Domestic Machinery—A House in Holland, doing a good business in above, will be glad to receive (post free) catalogues, terms, &c., of implements and household articles. References given and required. Address K. F., care of Nijgh and Van Dittmar, Rotterdam.

TO INVENTORS—Parties having any patents of light useful inventions which they wish to have placed upon the market, will do well to address, giving full description of the article. MERIDETH, No. 13 North 3rd St., St. Louis, Mo.

WALTHAM, ELGIN, AND HOWARD WATCHES.

Prices reduced from thirty per cent. Catalogue, giving prices of one hundred and forty-four American Watches, mailed free to any address by N. H. WHITE, 441 Broad St., Newark, N. J.

TO MANUFACTURERS AND BUILDERS.—The advertiser is a native of Brazil, and has been engaged in mech. business in this country for 8 years. He is about to return to his country, and wishes to introduce Am. machinery there. He requests all parties interested to send him illustrated circulars and price list. Address, inside of 3 weeks, to L. H. DE NORONHA, P. B. No. 248, Wilmington, Del.

TO ELECTRO-PLATERS, JEWELERS, AND WATCHMAKERS.—BATTERIES, CHEMICALS, AND MATERIALS, in sets or single, with Books of Instruction for Nickel, Gold, and Silver Plating. THOMAS HALL, Manufacturing Electrician, 16 Bromfield Street, Boston, Mass. Illustrations Catalogue sent free.

DESIGNS PATENTED.

8,793.—STOVES.—J. J. Bonnet, Quincy, Ill.
8,794.—BUTTONS.—J. R. Farrell, Boston, Mass.
8,795.—EMBROIDERY.—E. Crisand, New Haven, Conn.
8,796 and 8,797.—SOA WATER APPARATUS.—F. H. Shepherd, Boston, Mass.
8,798.—JAWERS.—T. J. Stearns, Boston, Mass.

THE IMPROVED NIAGARA STEAM PUMP,
33 to 37 Pearl St., Brooklyn, N. Y.
Agency at 40 John St., New York.
Hubbard & Aller,
SOLE MANUFACTURERS,
ENGINES AND BOILERS,
Pulleys, Shafting and Hangers
a Specialty.

WALDWELL PATENT,
FOR CUTTING STONE INTO VARIOUS SIZES AND DIMENSIONS IN ALL KINDS OF QUARRIES.

STEAM STONE CUTTER CO., RUTLAND, VT.
SOLE PROPRIETORS AND MANUFACTURERS.

OPIMUM and Morphine habit absolutely and speedily cured. Painless; no publicity. Send stamp for particulars. Dr. Carlton, 187 Washington St., Chicago, Ill.

\$8 YOUNG AMERICA SCROLL SAW. Send to J. M. BEUGLER, M'F'r, Williamsport, Pa.

Hammond's Window Springs.
Six Samples mailed for 50 cents.
W. S. HAMMOND, Lewisberry, York Co., Pa.

Non-Freezing, Filtering, Automatic STEAM TRAP.

Send C. O. D. to any part of the country, and warranted to work perfectly, or the money refunded. No. 0 drains 2,000 ft., 1 in. pipe, \$30. No. 1, 4,000, \$40. No. 2, 20,000, \$50, largest Size, 9x11x18 in. Send for Circular.

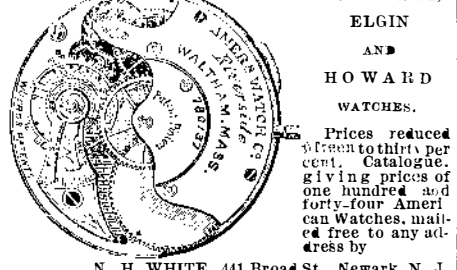
WM. H. JENKINS & CO.,
238 Church Street, Philadelphia, Pa.

CANCER Successfully Treated, without use of Knife or Caustic. Dr. A. H. Brown, New Haven, Conn. Send two postage stamps. Correspondence from Physicians solicited.

WITHERBY, RUGG & RICHARDSON, Manufacturers of Woodworth Planing, Moulding, and Grooving Machines, Dautel's Planers, Richardson's Patent Improved Tenon Machines, Mortising, Moulding, and Ho-Saw Machines, and Wood-Working Machinery generally, 23 Salisbury Street, Worcester, Mass. (Solely authorized by R. BALL & CO.)

GARDINER'S PATENT Centring Attachment, AND SQUARING ATTACHMENT, FOR LATHES.
Address, R. E. STATE, SPRINGFIELD, O.
SEND FOR CIRCULAR AND PRICE-LIST.

FOR RENT, WITH STEAM POWER—A brick two story building, 50x100 ft., with Steam Dring House, and a Complete System of Modern Machinery for the Manufacture of Flooring, Doors, Sash, Blinds, &c., at Columbus, Ga. For further particulars, apply to WM. H. BINDE, Cuyahoga Falls, Ohio.



OTIS' SAFETY HOISTING Machinery.
OTIS, BROS. & CO.,
No. 348 BROADWAY, NEW YORK.

\$250 A MONTH—Agents wanted everywhere. Business honorable and first class. Particulars sent free. Address J. WORTH & CO., St. Louis, Mo.

Polytechnic Chemicals, Soluble Glass, Hydrofluoric and White A. Nickel-Plating and Glass Manufacturing Articles, Steam maker's ingredients, Manufactory, Plaster, Feldspar, Mineral White, Asbestos, Zaffre, Oxides Cobalt, Antimony, Copper, Uranium, Putty.
L. FEUCHTWANGER & CO., 50 Fulton St., N. Y.

FLEETWOOD SCROLL SAW, With Boring Attach. & Flower. It will cut with Greatest Rapidity and Accuracy, the most Delicate Designs; make Inlaid or Mosaic Work, parts of Models or Small Machines, Society Badges, &c. Saws Brass 1/2 in. thick, or Wood 1 in. and under; also Shell, Horn, Ivory, &c. Unequalled for Durability and Low Cost. Price \$1 to \$15. Boring Attachment, \$5.50; Borer, \$1. Send for pamphlet, circular, and list of designs of Fleetwood's Trade Bro's. Manufacturers, Wilmington, Del.

SECRETS WONDERS
And Mysteries. A 64 page Book, colored plates, Illustrations, and many other interesting facts. Illustrated. Sent free to all for 2 postage stamps. Address J. HITCHER & CO., Wilmington, N. Y.

LIFE-LIKE PICTURES, accurate as photographs, can be drawn on paper by means of wonderful Camera Obscura. Price only \$1.25, express paid. Send to F. BLOCKLEY, 253 Van Buren Street, Brooklyn, N. Y.

MICROSCOPES.
First class Microscopes, magnifying 100 diameters. Price \$2.00. Smaller size, with same focal adjustment, \$1.50. Address F. BLOCKLEY, 253 Van Buren Street, Brooklyn, N. Y.

THE Commercial Agency,
109 & 111 WORTH ST., NEW YORK.

MERCHANTS contemplating changes in their Partnerships, or the formation of NEW FIRMS, will oblige by communicating the same to us, that their names may appear correctly in the "COMMERCIAL AGENCY REGISTER."

Desiring to have our Records as accurate as possible, we will accept the Statements and References of any Merchant, and give the same the most thorough scrutiny.

BANKERS, MERCHANTS AND MANUFACTURERS will oblige by informing us if in any case their knowledge and experience do not harmonize with our reports. We ask this that we may, by fresh and thorough investigation, correct errors, if any are found to exist.

The "COMMERCIAL AGENCY REGISTER" will be ready for delivery shortly after the first of January next.

MCKILLOP & SPRAGUE CO.

Stone Channeling OR Quarrying Machine,

WARDWELL PATENT,
FOR CUTTING STONE INTO VARIOUS SIZES AND DIMENSIONS IN ALL KINDS OF QUARRIES.

STEAM STONE CUTTER CO., RUTLAND, VT.
SOLE PROPRIETORS AND MANUFACTURERS.

OPIMUM and Morphine habit absolutely and speedily cured. Painless; no publicity. Send stamp for particulars. Dr. Carlton, 187 Washington St., Chicago, Ill.

\$8 YOUNG AMERICA SCROLL SAW. Send to J. M. BEUGLER, M'F'r, Williamsport, Pa.

Hammond's Window Springs.
Six Samples mailed for 50 cents.
W. S. HAMMOND, Lewisberry, York Co., Pa.

Non-Freezing, Filtering, Automatic STEAM TRAP.

Send C. O. D. to any part of the country, and warranted to work perfectly, or the money refunded. No. 0 drains 2,000 ft., 1 in. pipe, \$30. No. 1, 4,000, \$40. No. 2, 20,000, \$50, largest Size, 9x11x18 in. Send for Circular.

WM. H. JENKINS & CO.,
238 Church Street, Philadelphia, Pa.

CANCER Successfully Treated, without use of Knife or Caustic. Dr. A. H. Brown, New Haven, Conn. Send two postage stamps. Correspondence from Physicians solicited.

WITHERBY, RUGG & RICHARDSON, Manufacturers of Woodworth Planing, Moulding, and Grooving Machines, Dautel's Planers, Richardson's Patent Improved Tenon Machines, Mortising, Moulding, and Ho-Saw Machines, and Wood-Working Machinery generally, 23 Salisbury Street, Worcester, Mass. (Solely authorized by R. BALL & CO.)

GARDINER'S PATENT Centring Attachment, AND SQUARING ATTACHMENT, FOR LATHES.
Address, R. E. STATE, SPRINGFIELD, O.
SEND FOR CIRCULAR AND PRICE-LIST.

FOR RENT, WITH STEAM POWER—A brick two story building, 50x100 ft., with Steam Dring House, and a Complete System of Modern Machinery for the Manufacture of Flooring, Doors, Sash, Blinds, &c., at Columbus, Ga. For further particulars, apply to WM. H. BINDE, Cuyahoga Falls, Ohio.

OTIS' SAFETY HOISTING Machinery.
OTIS, BROS. & CO.,
No. 348 BROADWAY, NEW YORK.

\$250 A MONTH—Agents wanted everywhere. Business honorable and first class. Particulars sent free. Address J. WORTH & CO., St. Louis, Mo.

Polytechnic Chemicals, Soluble Glass, Hydrofluoric and White A. Nickel-Plating and Glass Manufacturing Articles, Steam maker's ingredients, Manufactory, Plaster, Feldspar, Mineral White, Asbestos, Zaffre, Oxides Cobalt, Antimony, Copper, Uranium, Putty.
L. FEUCHTWANGER & CO., 50 Fulton St., N. Y.

FLEETWOOD SCROLL SAW, With Boring Attach. & Flower. It will cut with Greatest Rapidity and Accuracy, the most Delicate Designs; make Inlaid or Mosaic Work, parts of Models or Small Machines, Society Badges, &c. Saws Brass 1/2 in. thick, or Wood 1 in. and under; also Shell, Horn, Ivory, &c. Unequalled for Durability and Low Cost. Price \$1 to \$15. Boring Attachment, \$5.50; Borer, \$1. Send for pamphlet, circular, and list of designs of Fleetwood's Trade Bro's. Manufacturers, Wilmington, Del.

SECRETS WONDERS
And Mysteries. A 64 page Book, colored plates, Illustrations, and many other interesting facts. Illustrated. Sent free to all for 2 postage stamps. Address J. HITCHER & CO., Wilmington, N. Y.

WRINKLES AND RECIPES,
AND
COMPILATION FROM THE SCIENTIFIC AMERICAN.
An Illustrated Hand-Book of Practical Hints and Suggestions for Mechanics, Engineers, Farmers, Housekeepers, and Workmen generally.

The volume comprises 250 pages, is printed on fine paper, with gilt edges, and is of large pocket-book form flexible covers, neatly ornamented.

Mailed, post paid, on receipt of \$1.50. 1 copy Scientific American, 1 year, and 1 copy Wrinkles and Recipes.....\$4.20

H. N. MUNN, PUBLISHER,
P. O. Box 772,
37 Park Row, New York City.

\$12 a day at home. Agents wanted. Outfit and terms free. TRUE & CO., Augusta, Maine.

\$500 IN GOLD GIVEN AWAY, also 50 per cent Commission. You can make from \$10 to \$20 daily. FAMILY JOURNAL CO., 232 Broadway, N. Y.

WHIPPLE'S Patent Door Knob.
Awarded a Bronze Medal at the American Institute Fair for 1874. The Judges say: "We consider this method of fastening DOOR KNOBS a great improvement over anything yet invented for the purpose, as it obviates the use of side screws and washers, and can be regulated to suit any thickness of doors." Send for Circular.

THE PARKER & WHIPPLE COMPANY,
West Meriden, Conn., or 97 Chambers St., N. Y.

H. W. JOHNS' PATENT ASBESTOS MATERIALS.

Roofing, Roof Coating, and Cement, for repairing Roofs. Paints—all colors, ready mixed. Roof Paint. Fire Proof Coating, Boiler and Steam Pipe Coverings, Steam Packing, Roofing, Sheathing and Lining Felts, &c.

All ready for use, and easily applied. Send for Pamphlets, Price Lists, &c.

H. W. JOHNS, 87 Maiden Lane, N. Y.
Patentee and Manufacturer. Established 1858.

THE IMPROVED NIAGARA STEAM PUMP,
33 to 37 Pearl St., Brooklyn, N. Y.
Agency at 40 John St., New York.
Hubbard & Aller,
SOLE MANUFACTURERS,
ENGINES AND BOILERS,
Pulleys, Shafting and Hangers
a Specialty.

WALDWELL PATENT,
FOR CUTTING STONE INTO VARIOUS SIZES AND DIMENSIONS IN ALL KINDS OF QUARRIES.

STEAM STONE CUTTER CO., RUTLAND, VT.
SOLE PROPRIETORS AND MANUFACTURERS.

OPIMUM and Morphine habit absolutely and speedily cured. Painless; no publicity. Send stamp for particulars. Dr. Carlton, 187 Washington St., Chicago, Ill.

\$8 YOUNG AMERICA SCROLL SAW. Send to J. M. BEUGLER, M'F'r, Williamsport, Pa.

Hammond's Window Springs.
Six Samples mailed for 50 cents.
W. S. HAMMOND, Lewisberry, York Co., Pa.

Non-Freezing, Filtering, Automatic STEAM TRAP.

Send C. O. D. to any part of the country, and warranted to work perfectly, or the money refunded. No. 0 drains 2,000 ft., 1 in. pipe, \$30. No. 1, 4,000, \$40. No. 2, 20,000, \$50, largest Size, 9x11x18 in. Send for Circular.

WM. H. JENKINS & CO.,
238 Church Street, Philadelphia, Pa.

CANCER Successfully Treated, without use of Knife or Caustic. Dr. A. H. Brown, New Haven, Conn. Send two postage stamps. Correspondence from Physicians solicited.

WITHERBY, RUGG & RICHARDSON, Manufacturers of Woodworth Planing, Moulding, and Grooving Machines, Dautel's Planers, Richardson's Patent Improved Tenon Machines, Mortising, Moulding, and Ho-Saw Machines, and Wood-Working Machinery generally, 23 Salisbury Street, Worcester, Mass. (Solely authorized by R. BALL & CO.)

GARDINER'S PATENT Centring Attachment, AND SQUARING ATTACHMENT, FOR LATHES.
Address, R. E. STATE, SPRINGFIELD, O.
SEND FOR CIRCULAR AND PRICE-LIST.

FOR RENT, WITH STEAM POWER—A brick two story building, 50x100 ft., with Steam Dring House, and a Complete System of Modern Machinery for the Manufacture of Flooring, Doors, Sash, Blinds, &c., at Columbus, Ga. For further particulars, apply to WM. H. BINDE, Cuyahoga Falls, Ohio.

OTIS' SAFETY HOISTING Machinery.
OTIS, BROS. & CO.,
No. 348 BROADWAY, NEW YORK.

\$250 A MONTH—Agents wanted everywhere. Business honorable and first class. Particulars sent free. Address J. WORTH & CO., St. Louis, Mo.

Polytechnic Chemicals, Soluble Glass, Hydrofluoric and White A. Nickel-Plating and Glass Manufacturing Articles, Steam maker's ingredients, Manufactory, Plaster, Feldspar, Mineral White, Asbestos, Zaffre, Oxides Cobalt, Antimony, Copper, Uranium, Putty.
L. FEUCHTWANGER & CO., 50 Fulton St., N. Y.

FLEETWOOD SCROLL SAW, With Boring Attach. & Flower. It will cut with Greatest Rapidity and Accuracy, the most Delicate Designs; make Inlaid or Mosaic Work, parts of Models or Small Machines, Society Badges, &c. Saws Brass 1/2 in. thick, or Wood 1 in. and under; also Shell, Horn, Ivory, &c. Unequalled for Durability and Low Cost. Price \$1 to \$15. Boring Attachment, \$5.50; Borer, \$1. Send for pamphlet, circular, and list of designs of Fleetwood's Trade Bro's. Manufacturers, Wilmington, Del.

SECRETS WONDERS
And Mysteries. A 64 page Book, colored plates, Illustrations, and many other interesting facts. Illustrated. Sent free to all for 2 postage stamps. Address J. HITCHER & CO., Wilmington, N. Y.