

APPLICATIONS FOR EXTENSIONS.

Applications have been duly filed, and are now pending for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned:

27,731.—CLOTHES WRINGER.—E. Dickerman. March 25.
27,821.—EXTENSION LADDER.—G. B. Mickle. March 25.
27,832.—HARVESTER.—L. C. Reese. March 25.
27,839.—SWEEPING MACHINE.—R. A. Smith. March 25.
27,816.—BELTING.—H. Underwood. March 25.
27,852.—HARVESTING MACHINE.—B. F. Witt. March 25.
27,855.—NIGHT LIGHT REFLECTOR.—J. Wyberd. March 25.
27,860.—LOOM.—J. C. Cooke. March 25.
27,866.—COTTON BALE TIE.—J. McMurtry. March 25.
28,105.—FRUIT BASKET.—J. K. Park. April 15.
28,175.—SCABBARD FRIG.—W. Hoffman. April 22.
28,483.—RATTAN MACHINE.—L. Hull. May 13.

EXTENSIONS GRANTED.

26,735.—WASTE COCK.—G. W. Robertson.
26,822.—TENON CUTTING TOOL.—L. A. Dole.

DESIGNS PATENTED.

7,081.—STAND AND BRACKET MATS.—L. Bushnell, New Bedford, Mass.
7,084.—CHILDREN'S CARRIAGES.—J. L. Brown, Boston, Mass.
7,085 to 7,092.—CARPETS.—R. R. Campbell, Lowell, Mass.
7,093.—KNOB AND ROSE.—W. Gorman, New Britain, Conn.
7,094 to 7,096.—CARPETS.—A. Heald, Philadelphia, Pa.
7,097.—TEA CANISTER.—E. Huntington, New York city.
7,098.—CARPET.—C. S. Lilly, Lowell, Mass.
7,099.—CARPET.—D. McNair, Lowell, Mass.
7,100.—HANDLE SOCKET.—J. S. Ray, East Haddam, Conn.
7,101 & 7,102.—TYPES.—R. Smith, Philadelphia, Pa.
7,103.—HANDLE SOCKET.—W. M. Smith, West Meriden, Ct.

TRADE MARKS REGISTERED.

1,591.—GAGE TUBES.—E. H. Ashcroft, Boston, Mass.
1,592.—WHISKY.—Kryder & Co., Philadelphia, Pa.
1,593.—SHOES.—T. C. Wales & Co., Boston, Mass.
1,594.—SAWS.—Wheeler & Co., Middletown, N. Y.

SCHEDULE OF PATENT FEES.

On each Caveat.....	\$10
On each Trade Mark.....	\$25
On filing each application for a Patent (17 years).....	\$15
On issuing each original Patent.....	\$20
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On appeal to Commissioner of Patents.....	\$20
On application for Reissue.....	\$30
On application for Extension of Patent.....	\$50
On granting the Extension.....	\$50
On filing a Disclaimer.....	\$10
On an application for Design (3½ years).....	\$10
On application for Design (7 years).....	\$15
On application for Design (14 years).....	\$30

[Specially reported for the Scientific American.]

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA,
JANUARY 13 TO JANUARY 20, 1873.

2,997.—T. Piper, Hamilton, Ontario. Improvements on treadles for sewing machines, called "Piper's Improved Spring Clutch for Sewing Machines." Jan. 13, 1874.
2,998.—I. Grant, Shubenacadie, Hants county, Nova Scotia. Improvements in machine for cleaning tracks from snow, called "Grant's Snow Plow." Jan. 13, 1874.
2,999.—W. W. Byan, S. Grose and M. Harper, all of Whitby, Ontario county, Ontario. Machine for manufacturing the slats of door and window weather blind rolling slats with metal clip bearings, called "Byan's Blind Slat Machine." Jan. 13, 1874.
3,000.—W. W. Byan, S. Grose and M. Harper, all of Whitby, Ontario county, Ontario. Improvements on window and door weather blinds, called "Byan's Improved Venetian Blind." Jan. 13, 1874.
3,001.—T. Ney, Glenallen, Wellington county, Ontario, assignee of J. Small, of same place. Improvements on horse pokes, called "Ney's Improved Dexter Horse Poke." Jan. 13, 1874.
3,002.—W. Sellers, Haverhill, Essex county, Ontario. Improvements on lawn mowers, called "Sellers' Lawn Mower." Jan. 13, 1874.
3,003.—A. Rodgers, Muskegon, Muskegon county, Mich. U. S. Improvements on machine for sawing laths. Jan. 13, 1874.
3,004.—A. Rodgers, Muskegon, Muskegon county, Mich. U. S. Improvements in balance cranks, called "Rodgers' Balance Crank." Jan. 13, 1874.
3,005.—A. Rodgers, Muskegon, Muskegon county, Mich. U. S. Machine for canting logs, called "Rodgers' Log Canting Machine." Jan. 13, 1874.
3,006.—I. S. Adams, West Roxbury, Norfolk county, Mass. U. S. assignee of I. Colcott, of same place. Improvements on kaleidoscopes, called "The Adams' Automatic Kaleidoscopes." Jan. 13, 1874.
3,007.—M. Hine and H. P. Dibble, New Haven, New Haven, Conn. U. S. Improvements on machine for threading bolts, called "Hine and Dibble's Bolt Threading." Jan. 13, 1874.
3,008.—T. F. Conklin, Fond du Lac, Fond du Lac county, Wis. U. S. Improvements on the construction of smokestacks of locomotive engines and other engines, called "Conklin's Fuel Economizer and Spark Arrestor." Jan. 13, 1874.
3,009.—I. Parkyn, Montreal, P. Q. Manufacture of bran for transportation, storage, etc., called "Parkyn's Compressed Bran." Jan. 13, 1874.
3,010.—D. T. Casement, Painesville, Lake county, O. U. S. Improvements on pressure regulator for fluids, called "Casement's Pressure Regulator for Fluids." Jan. 13, 1874.
3,011.—S. McGee, Madison, Morris county, N. J. U. S. Improvement on oil preserving nave on box for axles in combination with his improved axle to be used in metallic hubs or bearings, called "McGee's Hub for Vehicles." Jan. 13, 1874.
3,012.—J. Hally, Valleyfield, Beauharnois, P. Q. Apparatus for the excavation of peat, called "The Ironclad Peat Excavator." Jan. 13, 1874.
3,013.—F. Culhan, Widder Station, Bosanquet, Lambton county, Ontario. Improvements on machinery for operating semaphore signals, called "Culhan's Patent Semaphore Signal." Jan. 13, 1874.
3,014.—B. Barter, Faribault, Rice county, Minn. U. S. Improvements on machine for dressing flour, called "Barter's Flour Dressing Machine." Jan. 20, 1874.
3,015.—J. Davis, J. Armstrong and D. Davis, all of Pittston, Luzerne county, Pa. Improvements on process for tanning, called "Davis and Armstrong's Tanning Process." Jan. 20, 1874.
3,016.—E. E. Brewer, Douglas, York county, Ontario. Improvements in churns, called "Favorite Churn." Jan. 20, 1874.

3,017.—J. Slater and H. S. Blatt, Sandy Lake, Mercer county, Pa. U. S. Improvements on sited brakes, called "Slater's Sled Brake." Jan. 20, 1874.
3,018.—A. D. McMaster, Rochester, Monroe county, N. Y. U. S. Improvements on stove boards, called "McMaster's Improved Stove Board." Jan. 20, 1874.
3,019.—W. H. Rogers, New London, Conn. U. S. and D. L. Caven, Stratford, Ontario. Combined check nut, called "Rogers and Caven's Combined Check Nut." Jan. 20, 1874.
3,020.—W. Wilson, Hamilton, Ontario. Improvement in railway switches, called "Wilson's Safety Railway Switch." Jan. 20, 1874.
3,021.—N. Johnson, Jasper, Steuben county, N. Y. U. S. Improvements in insertable saw teeth, called "Johnson's Insertable Saw Teeth." Jan. 20, 1874.
3,022.—C. Kinney, London, Ontario. Improvements on nut lock, called "Kinney's Lock Nut." Jan. 20, 1874.
3,023.—R. Elmsley, Toronto, Ontario. Indicator for registering the time occupied in playing games upon billiard tables, called "Elmsley's Billiard Marker." Jan. 20, 1874.
3,024.—D. T. Casement, Painesville, Lake county, O. U. S. Improvements on a method of burning fuel and generating steam, called "Casement's Method of Burning Fuel and Generating Steam." Jan. 20, 1874.
3,025.—J. W. Bookwalter, Springfield, Clark county, O. U. S. Improvements on steam generators, called "Bookwalter's Steam Generator." Jan. 20, 1874.
3,026.—L. Cote, St. Hyacinthe, P. Q. Improvements on a machine for forming boot and shoe stiffeners, called "Cote's Rotary Machine for Shaping Stiffeners." Jan. 20, 1874.
3,027.—F. H. Whitman, Harrison, Cumberland county, Me. U. S. assignee of E. H. Woodsum, South Boston, Mass. U. S. Improved block fitting machine, called "Woodsum's Block Fitting Machine." Jan. 20, 1874.
3,028.—J. Hewitt, Grimsby, Lincoln county, Ontario. Improvements on sad and fluting iron, called "Queen Iron." Jan. 20, 1874.
3,029.—I. Hewitt, Grimsby, Lincoln county, Ontario. Improvements on fluting plates, called "Universal Iron." Jan. 20, 1874.
3,030.—I. Hewitt, Grimsby, Lincoln county, Ontario. Improvements on glossing and fluting iron, called "Home Iron." Jan. 20, 1874.
3,031.—H. Frank, Pittsburgh, Allegheny county, Pa. U. S. Improvements on regenerative gas furnaces, called "Frank's Regenerative Furnaces." Jan. 20, 1874.
3,032.—H. Frank, Pittsburgh, Allegheny county, Pa. U. S. Improvements on tile for constructing furnaces, called "Frank's Furnace Brick." Jan. 20, 1874.
3,033.—H. Frank, Pittsburgh, Allegheny county, Pa. U. S. Improvements on hot blast ovens, called "Frank's Hot Blast." Jan. 20, 1874.
3,034.—I. P. Magoon and H. Fairbanks, St. Johnsbury, Caledonia county, Vt. U. S. Improvements on locomotive feed water heater, called "Magoon's Improved Locomotive Feed Water Heater." Jan. 20, 1874.
3,035.—J. West and O. M. Parker, Creston, Union county, Iowa, U. S. Improvement on steam bell ringers, called "West and Parker's Steam Bell Ringer." Jan. 20, 1874.
3,036.—E. R. Whitney, Bolton, Broome county, P. Q. Improvement on veneer cutting machine, called "Whitney's Improved Veneer Cutter." Jan. 20, 1874.
3,037.—E. R. Whitney, Bolton, Broome county, P. Q. Improvements on printing types or blocks, called "Whitney's Glass Type." Jan. 20, 1874.
3,038.—J. McCullum, Nepean, Carleton county, Ontario. Improvement on potato diggers, called "McCullum's Improved Potato Digger." Jan. 20, 1874.
3,039.—W. S. Hunter and C. C. Colby, Stanstead, Stanstead county, P. Q. Improvement on the manufacture of paper, called "Hunter's Fabricated Paper." Jan. 20, 1874.
3,040.—L. Scofield and J. B. Walt, Grand Haven, Ottawa county, Michigan, U. S. Improvement on ironing tables, called "Scofield's Ironing Table." Jan. 20, 1874.
3,041.—J. W. Whitney, Cleveland, Cayuhoga county, O. U. S. Improvement on shoulder braces and suspenders combined, called "Whitney's Shoulder Brace and Suspender Combined." Jan. 20, 1874.
3,042.—I. Hewitt, Grimsby, Lincoln county, Ontario. Improvements on smoothing band, glossing and fluting iron, called "King Iron." Jan. 20, 1874.
3,043.—I. Lyons, Chippawa, Welland county, Ontario. Improvements in metal plates for wearing on the heels of boots and shoes, called "Lyons' Reversible Heel Plate." Jan. 20, 1874.
3,044.—J. Morris, Liverpool, England. Improvements on machines for finishing printed sheets of paper, called "Morris' Printers' Finishing Machine." Jan. 20, 1874.
3,045.—W. Corris, Rochester, Monroe county, N. Y. U. S. Improvements on carriage hubs, called "Corris' Improved Carriage Hub." Jan. 20, 1874.
3,046.—C. Wolf, Rochester, Monroe county, N. Y. U. S. Improvements on bedstead fastenings, called "Wolf's Improved Bedstead Fastening." Jan. 20, 1874.
3,047.—P. Huernie, San Francisco, San Francisco county, Cal. U. S. Improvement on a Water Filter, called "Huernie's Water Filter." Jan. 20, 1874.
3,048.—P. Bruce, Aurora, York county, Ontario. Improvement in the construction of buildings, called "Bruce's Improved Construction of Buildings." Jan. 20, 1874.
3,049.—J. J. Howell, Brantford, Ontario. Improvement on outside shutter hinge, called "Howell's Outside Shutter Hinge." Jan. 21, 1874.
3,050.—N. Clement, dit La Riviere, Montreal. Ameliorations aux ferreux pour pendre les portes de chars, called "Ferrures Ameliores de Noel Clement, dit La Riviere pour Portes de Chars." Improvements in iron fixtures for hanging doors to cars, called "Noel Clement dit La Riviere's Fixtures for Hanging Doors to Cars." Jan. 21, 1874.
3,051.—E. A. Goodes, Philadelphia, Pa. U. S. Improvements on sewing machines, called "The Goodes' Fancy Stitch Sewing Machine." Jan. 21, 1874.
3,052.—L. S. Johnson & M. G. Johnson, Cortland, Cortland county, N. Y. U. S. Improvements on articles of food, to wit: the preparation of beef for table use, called "Johnson's Beef Compound." Jan. 21, 1874.
3,053.—E. P. Richardson, Lawrence, Essex county, Mass. Improvement in machine for sewing hose, called "Richardson's Improved Machine for Sewing Hose." Jan. 21, 1874.

HOW TO OBTAIN
Patents and Caveats
IN CANADA.

PATENTS are now granted to inventors in Canada, without distinction as to the nationality of the applicant. The proceedings to obtain patents in Canada are nearly the same as in the United States. The applicant is required to fur-

nish a model, with specification and drawings in duplicate. It is also necessary for him to sign and make affidavit to the originality of the invention.

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VALUE OF PATENTS,
And How to Obtain Them.

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HOW TO OBTAIN PATENTS

This is the closing inquiry in nearly every letter, describing some invention which comes to this office. A positive answer can only be had by presenting a complete application for a patent to the Commissioner of Patents. An application consists of a Model, Drawings, Petition, Oath, and full Specification. Various official rules and formalities must also be observed. The efforts of the inventor to do all this business himself are generally without success. After great perplexity and delay, he is usually glad to seek the aid of persons experienced in patent business, and have all the work done over again. The best plan is to solicit proper advice at the beginning. If the parties consulted are honorable men, the inventor may safely confide his ideas to them; they will advise whether the improvement is probably patentable, and will give him all the directions needful to protect his rights.

To Make an Application for a Patent.

The applicant for a patent should furnish a model of his invention if susceptible of one, although sometimes it may be dispensed with; or, if the invention be a chemical production, he must furnish samples of the ingredients of which his composition consists. These should be securely packed, the inventor's name marked on them and sent by express, prepaid. Small models, from a distance, can often be sent cheaper by mail. The safest way to remit money is by a draft or postal order, on New York, payable to the order of MUNN & Co. Persons who live in remote parts of the country can usually purchase drafts from their merchants on their New York correspondents.

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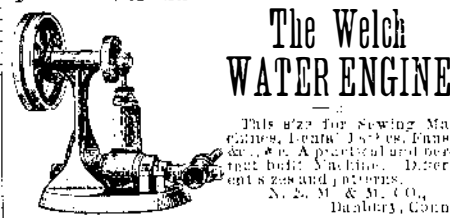
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