

Table listing various patents and their numbers, such as Bridge, iron, P. Johnson 144,766; Bronging machine, Chaput & Braidwood 144,741; Brush, fly, J. A. Lyle 144,779; Butter worker, D. W. Duke 144,662; etc.

Continuation of patent list, including Press, hay, H. F. Blank 144,733; Printing press, G. W. Prouty 5,664; Printing press, rotary, C. C. Child 144,742; Pumps, sucker rod joint for, A. M. Williams 144,813; Purifier, middlings, G. Parker 144,697; etc.

Continuation of patent list, including Improvement on gas meters, called 'The Imperial Compensating Wet Gas Meter' Nov. 13, 1873; 2,844.—W. A. Telling and Samuel Johnson, Wood Green, Middlesex county, Eng. Improvement on gas meters, called 'The Imperial Dry Gas Meter.' Nov. 13, 1873; etc.

2,838.—L. O. Thayer, Montreal, assignee of J. Duval, St. Joseph, Laprairie county, Quebec. Improvement on breechloading fire arms, called 'Duval Thayer Breech Loading Rifle.' Nov. 24, 1873.

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 furnish 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. The total expense, in ordinary cases, to apply for a Canadian patent, is \$75, U. S. currency. This includes the government fees for the first five years, and also our (Munn & Co.'s) charges for preparing drawings, specifications and papers, and attending to the entire business. The holder of the patent is entitled to two extensions of the patent, each for five years, making fifteen years in all.

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: 27,241.—PHOTOGRAPH CAMERA.—A. Semmendinger, Feb. 4; 27,291.—SEED PLANTER.—J. S. Huggins. Feb. 11; 27,406.—CULTIVATOR.—R. Craig. Feb. 18.

EXTENSIONS GRANTED.

26,177.—MAKING RUBBER BELTING.—D. C. Gately. 26,178.—RUBBER BELTING.—D. C. Gately. 6,996.—LOCK CASE.—W. H. Andrews, New Haven, Conn. 6,997.—WHEEL HUBS.—J. R. Locke, Amesbury, Mass. 6,998 to 7,001.—C. T. & V. E. Meyer, Bergen, N. J.

TRADE MARKS REGISTERED.

1,527.—ICE PITCHERS.—Adams & Co., Brooklyn, N. Y. 1,528.—SOAP POWDERS.—B. T. Babbitt, New York City. 1,529.—BAKING POWDER.—B. T. Babbitt, New York City. 1,530.—COMPOUND SPIECE.—E. R. Durkee & Co., N. Y. City. 1,531.—MEDICINE.—W. H. Gregg & Co., Elmira, N. Y. 1,532.—KID GLOVES.—F. Hegle, New York City. 1,533.—CUTLERY.—I. T. Meyer & Co., New York City. 1,534.—GOLD AND SILVER SOLUTIONS.—A. B. Morrison, Portland, Me. 1,535.—AGRICULTURAL IMPLEMENTS.—Rumsey & Co., St. Louis, Mo. 1,536.—DRYERS, ETC.—G. C. Liska, Williamsburgh, N. Y.

SCHEDULE OF PATENT FEES.

Table with 2 columns: Description and Fee. 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. On appeal to Examiners-In-Chief \$10. 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 (7 1/2 years) \$10. On application for Design (14 years) \$30.

[Specially reported for the Scientific American.]

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA FROM NOVEMBER 13 TO NOVEMBER 24, 1873. 2,841.—J. M. Killin, Pittsburg, Pa., U. S. Improvement on molder's gates or sprues, called 'Killin's Molders' Gate.' Dated Nov. 13, 1873. 2,842.—O. Sherwood, Jr., Brome township, P. Q. Machine for coupling railway cars, called 'Sherwood's Self Railway Car Coupler.' Nov. 13, 1873. 2,843.—D. DeCastro, of Mortlake, Surrey county, Eng., and R. Burton, Camden town, Middlesex county, Eng. Im-

provement on gas meters, called 'The Imperial Compensating Wet Gas Meter.' Nov. 13, 1873. 2,844.—W. A. Telling and Samuel Johnson, Wood Green, Middlesex county, Eng. Improvement on gas meters, called 'The Imperial Dry Gas Meter.' Nov. 13, 1873. 2,845.—J. Brunet and L. Bellefeuille, Montreal, P. Q. Machine a presser la tourbe, called 'Machine a Presser La Tourbe de Brunet et Bellefeuille.' 'Machine for pressing peat.' Nov. 13, 1873. 2,846.—J. K. Home, Almonte, Lanark county P. Q. Improvements on patterns for pipe elbows, describing the swift to form miter joints of elbow pipes at various angles, called 'J. H. Holmes' Patterns for Pipe Elbows.' Nov. 13, 1873. 2,847.—D. C. Baker, Fulton, N. Y., U. S. Improvement on cultivators, called 'Baker's Cultivator.' Nov. 13, 1873. 2,848.—D. C. Baker, Fulton, N. Y., U. S. Bolt holders for railroad rails, called 'Baker's Railroad Bolt Holder.' Nov. 13, 1873. 2,849.—S. Rue, Philadelphia, U. S. Improvements on injectors for steam generators, called 'Rue's Little Giant Injector.' Nov. 13, 1873. 2,850.—J. W. Stockwell, Portland, U. S. Machine for the manufacture of cement pipe, called 'Stockwell's Cement Pipe Machine.' Nov. 13, 1873. 2,851.—J. W. Stockwell, Portland, U. S. Improvements in mixing machines, called 'Stockwell's Improved Mixing Machine.' Nov. 13, 1873. 2,852.—S. B. Munson, Jr., Chicago, U. S. Improvements on fireproof shutters, called 'Munson's Fireproof Shutter.' Nov. 13, 1873. 2,853.—G. W. Cottingham, St. Mary's, Texas, U. S. Machine for ironing clothes, called 'Cottingham's Ironing Machine.' Nov. 13, 1873. 2,854.—H. Bolton, Brantford, Ontario. Improvements on piano stools, called 'Improved Double Adjustable Piano Stool Back.' Nov. 13, 1873. 2,855.—H. Spear, Elizabeth, Cumberland county, Maine, U. S. Improvements on pumps, called 'Spear's Pump.' Nov. 13, 1873. 2,856.—N. C. Locke, Saicm, Mass., U. S. Improvements on pressure regulators for steam or water, called 'Locke's Pressure Regulator for Steam or Water.' Nov. 13, 1873. 2,857.—M. Merrick, Oswego, U. S., assignee of H. Tilden, Philadelphia, U. S. Improvements on gas machine, called 'Tilden's Improved Gas Machine.' Nov. 14, 1873. 2,858.—Ed. Beanes, Toronto, Ontario. Extension of Patent No. 541, for improvements in brewing. Nov. 14, 1873. 2,859.—G. Borden, White Plains, N. Y., U. S., and J. G. Borden, South East, Putnam county, N. Y., U. S. Improvements on the manufacture or product of condensed milk, called 'Borden's Manufacture or Product of Condensed Milk.' Nov. 14, 1873. 2,860.—G. Borden, White Plains, N. Y., U. S., and J. G. Borden, South East, Putnam county, N. Y., U. S. Process of preserving and condensing milk, called 'Borden's Process for Preserving and Condensing Milk.' Nov. 14, 1873. 2,861.—W. G. Dunn, Hamilton, Ontario. Movable self feed attachment for coal cooking stoves, called 'Dunn's Removable Self-feeding Attachment for Cooking Stoves.' Nov. 14, 1873. 2,862.—T. O. Kemp, Clinton, Lincoln county, Ontario. A boiler attachment for removing scum and other impurities from boilers of steam engines, and also for preventing scale attaching to boilers and their tubes, called 'Kemp's Patent Boiler Attachment.' Nov. 15, 1873. 2,863.—E. C. Flint, Belleville, Ontario, assignee of E. P. Needham, New York City, U. S. Key for musical instrument, called 'Needham's Improved Key for Musical Instruments.' Nov. 15, 1873. 2,864.—J. R. Finley, Delhi, Ind., U. S. Improvements on gates, called 'Finley's Improved Gate.' Nov. 15, 1873. 2,865.—C. Kendall, Beloit, Wis., U. S. Machine for renovating and drying feathers, called 'Kendall's Paragon Feather Renovator.' Nov. 15, 1873. 2,866.—R. Burdett, Erie City, Pa., U. S. Improvement in reed organs, called 'Burdett's Improved Reed Organ.' Nov. 15, 1873. 2,867.—J. C. Ford and A. D. Cable, Montreal. Improvement on attachment for securing horses, called 'Ford's Adjustable Leg Halter.' Nov. 15, 1873. 2,868.—A. Pelletier, Washington, U. S., Rev. J. B. A. Brouillet, Walla Walla, Washington Territory, U. S., and H. Lafleur, Yamaska, P. Q. Composition of matter for the manufacture of artificial stone and for other purposes, called 'Pelletier's Artificial Stone and Cement.' Nov. 15, 1873. 2,869.—M. Henry, Parkhill, Ontario, and J. B. Steele, Montreal. Composition of matter for lighting fires, called 'Henry's Fire Kandler.' Nov. 21, 1873. 2,870.—J. West, Matdstone, Kent county, Eng. Method of manufacturing gas and the apparatus to be employed therewith, called 'West's Improved Gas Manufacturing Apparatus.' Nov. 21, 1873. 2,871.—C. Vandanaigne, dit Sabois, Baltic, Conn., U. S. Improvement on washing machines, called 'The Baltic Washing Machine.' Nov. 21, 1873. 2,872.—A. Wilson and E. M. Law, Bell Ewart, Simcoe county, Ontario. Improvement on sash fasteners, called 'Wilson and Law's Improved Sash Fastener.' Nov. 21, 1873. 2,873.—E. B. Sims, Antwerp, Jefferson county, N. Y., U. S. Improved door bells, called 'Sims' Improved Door Bell.' Nov. 21, 1873. 2,874.—W. Vincent, Arborfield, Berkshire, Eng. Apparatus for manufacturing gas, called 'Vincent's Gas Apparatus.' Nov. 21, 1873. 2,875.—H. Brewer, East Parsonfield, York county, U. S. Improvement on wagon brakes, called 'The Brewer Wagon Brake.' Nov. 21, 1873. 2,876.—A. J. Sorenson, Erie, Pa., U. S. Improvement on cases for cabinet organs, called 'Sorenson's Improved Case and Sliding Fall.' Nov. 21, 1873. 2,877.—W. R. Peck, Chatham, Kent county, Ontario. Machine for molding the framework of vessels, ships and other material, called 'Peck's Adjustable Frame Mold.' Nov. 21, 1873. 2,878.—C. B. Hunt, Springville, Susquehanna county, Pa., U. S. Improvement in drills, called 'Hunt's Hammer Twist Drill.' Nov. 24, 1873. 2,879.—H. Gregory, Rockland, Maine, U. S. Improvement on elastic friction bands for booms of vessels, called 'Gregory's Elastic Friction Band for Booms of Vessels.' Nov. 24, 1873. 2,880.—H. Hinds, Ottawa, Ontario, assignee of H. Johnson of same place. Improvement on drum heaters for stoves and pipes, called 'Johnson's Improved Stove Drum Heater.' Nov. 24, 1873. 2,881.—J. Lewis, Manchester, Eng. Improvement on locomotive engine, called 'Lewis' Improved Locomotive.' Nov. 24, 1873. 2,882.—C. Carpenter, Hamilton, Wentworth county, Ontario. Attachments for door knobs and spindles, called 'Carpenter's Door Knob and Spindle Attachments.' Nov. 24, 1873.

VALUE OF PATENTS, And How to Obtain Them. Practical Hints to Inventors.

PROBABLY no investment of a small sum of money brings a greater return than the expense incurred in obtaining a patent, even when the invention is but a small one. Large inventions are found to pay correspondingly well. The names of Blanchard, Morse, Bigelow, Colt, Ericsson, Howe, McCormick, Hoe and others, who have amassed immense fortunes from their inventions, are well known. And there are thousands of others who have realized large sums from their patents. More than FIFTY THOUSAND inventors have availed themselves of the services of MUNN & Co. during the TWENTY-SIX years they have acted as solicitors and Publishers of the SCIENTIFIC AMERICAN. They stand at the head in this class of business; and their large corps of assistants, mostly selected from the ranks of the Patent Office: men capable of rendering the best service to the inventor, from the experience practically obtained while examiners in the Patent Office: enables MUNN & Co. to do everything appertaining to patents BETTER and CHEAPER than any other reliable agency.

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. How Can I Best Secure My Invention? This is an inquiry which one inventor naturally asks another, who has had some experience in obtaining patents. His answer generally is as follows, and correct: Construct a neat model, not over a foot in any dimension—smaller if possible—and send by express, prepaid, addressed to MUNN & Co., 37 Park Row, together with a description of its operation and merits. On receipt thereof, they will examine the invention carefully, and advise you as to its patentability, free of charge. Or, if you have not time, or the means at hand, to construct a model, make as good a pen and ink sketch of the improvement as possible and send by mail. An answer as to the prospect of a patent will be received, usually, by return of mail. It is sometimes best to have a search made at the Patent Office; such a measure often save the cost of an application for a patent.