

COMMUNICATIONS RECEIVED.

The Editor of the SCIENTIFIC AMERICAN acknowledges, with much pleasure, the receipt of original papers and contributions upon the following subjects:

- On Aerial Navigation. By G. W. M.
On Grinding Plane Irons. By A. C.
On Some New Dyes. By A. D.
On Gongs. By C. I.
On Feathering Arrowheads. By R. K. Y.
On the Divining Rod. By W. C.
On Swinging Saloons. By W. S. T.
On the Phylloxera. By M. L. R.

Also enquiries and answers from the following:

- S. F. B.—H. E. C.—A. A. F.—L. F. W.—N. A. H.—J. C.—J. W. D.—W. D. D.—A. G.—C. H. S.

HINTS TO CORRESPONDENTS.

Correspondents whose inquiries fail to appear should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them. The address of the writer should always be given.

Enquiries relating to patents, or to the patentability of inventions, assignments, etc. will not be published here. All such questions, when initials only are given, are thrown into the waste basket, as it would fill half of our paper to print them all; but we generally take pleasure in answering briefly by mail, if the writer's address is given.

Hundreds of enquiries analogous to the following are sent: "Who makes a pulverizer, suitable for powdering dry manure? Whose is the best process for drying lumber by exhaust steam?" All such personal enquiries are printed, as will be observed, in the column of "Business and Personal," which is specially set apart for that purpose, subject to the charge mentioned at the head of that column. Almost any desired information can in this way be expeditiously obtained.

[OFFICIAL.]

Index of Inventions

FOR WHICH

Letters Patent of the United States WERE GRANTED IN THE WEEK ENDING November 3, 1874.

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

Table listing various inventions such as Alarm, electro-thermo fire, E. J. Frost, 156,560; Alkali, restoring caustic, D. Hanna, 156,488; Amalgamating machine, S. F. Clouser, 156,410; Amalgamator, B. Tyson, 156,448; Artist's color stand, S. James, 156,572; Bag holder, W. H. Smith, 156,506; Bag-retaining device, D. L. Holbrook, 156,484; Bag, traveling, R. W. Chapman, 156,408; Bale ties, W. S. Davis, 156,546; Bale tie, R. Montfort, 156,490; Bechive, J. Yoder, 156,623; Bell, crank door, W. E. Simonds, 156,489; Billiard tables, time marker for, R. Elmsley, 156,415; Bird cage mat, J. H. Singer (r), 6,122; Book cover, J. D. Meta, 156,588; Boot and shoe, J. A. Stockwell (r), 6,192; Boot heels, compressing, E. Fisher, 156,556; Boot wire, straightening, W. Grant, 156,419; Boots, lasting, Ballou & Copeland, 156,406; Bottle-filling machine, C. H. Wight, 156,518; Box, check, S. Van Gilder, 156,511; Bridle bow band, F. Meinberg, 156,435; Brush handles, driving, J. 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APPLICATIONS FOR EXTENSION.

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:

- 31,324.—LOOMS.—W. Meerland. January 20.
31,337.—REVERBERATORY FURNACE.—J. Reese. Jan. 20.
31,546.—POLISHING IRON.—B. Lauth. February 10.

EXTENSIONS GRANTED.

- 30,591.—DOOR LATCH.—T. Slaight.

DESIGNS PATENTED.

- 7,814.—STOVE.—W. P. Abendroth, Port Chester, N. Y.
7,815.—PICTURE HOLDERS.—J. Barnes et al., Gilman, Ill.
7,816 to 7,819.—CARPETS.—R. R. Campbell, Lowell, Mass.
7,820.—STOVE.—G. Comstock, Keokuk, Iowa.
7,821 to 7,823.—EMBROIDERY.—E. Crisland, New Haven, Ct.
7,824 to 7,826.—MEDALS.—T. W. Derousse, Philadelphia, Pa.
7,827 to 7,829.—MEDALS.—T. R. Hartell et al., Phila., Pa.
7,830.—ORGAN CASE.—S. Hayward, Boston, Mass.
7,831.—JACKETS.—M. Landenberger, Philadelphia, Pa.
7,832.—BOTTLE.—G. Mackay, Rochester, N. Y.
7,833 to 7,835.—ORGAN CASE.—W. W. Neider, Wilkesbarre.
7,836.—BOTTLES.—C. C. Woodworth, Rochester, N. Y.
7,837.—COMPASS CARDS.—D. Baker, Boston, Mass.
7,838.—BRACKETS.—W. H. Britton, Milford, Mass. et al.
7,839 to 7,841.—CARPETS.—J. M. Christie, Kidderminster, England.
7,842 & 7,843.—ORGAN CASES.—S. Hayward, Boston, Mass.
7,844 to 7,846.—OIL CLOTH.—C. T. Meyer et al., Bergen, N. J.
7,847.—CHILD'S CARRIAGE.—J. Sues, Louisville, Ky.

TRADE MARKS REGISTERED.

- 2,046.—LUBRICATING OILS.—Am. L. O. Co., Cleveland, O.
2,047 & 2,048.—NURSING BOTTLES.—M. S. Burr & Co., Boston, Mass.
2,049 & 2,050.—FLOWS.—E. E. Lumms & Co., Boston, Ms.
2,051.—FRUIT JELLIES.—Sberwood et al., New York city.
2,052.—WASHING EXTRACT.—A. Döring, New York city.
2,053.—GROCERIES.—A. Godillot, New York city.
2,054.—PILLS.—S. D. How, New York city.
2,055 & 2,056.—TOBACCO.—Marburg Bro's, Baltimore, Md.
2,057.—ORGANS.—R. Nichols, Philadelphia, Pa.
2,058.—NIGHT SHIRTS.—Perego's Sons, New York city.
2,059.—TOWELING.—Stark Mills, Manchester, N. H.

SCHEDULE OF PATENT FEES.

Table with 2 columns: Description of fee and Amount. Includes: 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 (3 1/2 years) \$15; On application for Design (7 years) \$15; On application for Design (14 years) \$30.

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA, NOVEMBER 7 to 14, 1874.

- 4,026.—L. A. Dessaulles and Wm. Murphy, Montreal, Can. Améliorations aux cellets servant au passage des lacets pour fermer les chaussures, dits "Oeillets pour Lacer les Chaussures." (Improvements on Eye-lets for Boots.) Nov. 7, 1874.
4,027.—W. Shaver, Kemptville, Ont. Improvement on attachments for sewing machines, called "Shaver's Attachment for Sewing Machines for Laces, Braids, etc., with Hem." Nov. 7, 1874.
4,028.—A. D. McKenzie and O. G. Hughes, Toronto, Can. Improvements in dumping wagons, called "McKenzie's Improved Dump Wagon." Nov. 7, 1874.
4,029.—G. D. Thornhill, Kenia, Greene county, O., U. S. assignee of W. Coulter, Albany city, U. S. Improvements on car couplings, called "Coulter's Car Coupling." Nov. 7, 1874.
4,030.—J. Bardsley, Akron, Summit county, O., U. S. Improvement in spark arresters, called "Bardsley's Spark Arrester." Nov. 7, 1874.
4,031.—J. Gregory, Wingham, Huron county, Ont. Useful middlings purifier, called "Gregory's Improved Middlings Purifier." Nov. 7, 1874.
4,032.—J. S. Robinson, Canandaigua, Ontario county, N. Y., U. S. Improvement on the method or process for hardening and toughening the surfaces of cast iron, called "Robinson's Improved Process for Chilling, Carbonizing, and Toughening the Surfaces of Cast Iron Moldboards for Plows and other Castings." Nov. 7, 1874.
4,033.—F. Snowball and J. C. Nichol, Montreal, Canada. Composition for artificial marble or stone. Nov. 7, 1874.
4,034.—J. B. Armstrong, Guelph, Wellington county, Ont. Improvements in furnaces for heating steel in tempering, called "Armstrong's Improved Tempering Furnace." Nov. 7, 1874.
4,035.—J. Absterdam, New York city, U. S. Improvements on process for the manufacture of illuminating

- gas, called "Absterdam's Process for the Manufacture of Illuminating Gas." Nov. 7, 1870.
4,036.—J. Bird, Naugatuck, New Haven county, Conn., U. S. Improvements on self-binding pulley blocks, called "Bird's Eccentric Pulley Block." Nov. 7, 1874.
4,037.—J. Judson and W. A. Cogswell, Rochester, Monroe county, N. Y., U. S. Improvement on steam governors, called "The Judson Steam Governor." Nov. 7, 1874.
4,038.—J. B. Orr, Glasgow, Scotland. Improvements on obtaining a white pigment, and in the process employed therefor, called "Orr's White Enamel Paint." Nov. 7, 1874.
4,039.—M. Chase, Jr., and C. S. Muir, St. John's, New Brunswick. Improvements on shingle machines, called "Chase & Muir's Shingle Machine." Nov. 14, 1874.
4,040.—M. Callan, Innerkip, Oxford county, Ont. Improvements in lime kilns, called "The Dominion Champlain Lime Kiln." Nov. 14, 1874.
4,041.—D. W. Long, Parkersburgh, Wood county, Va., U. S. Improvements on hinges, called "Long's Surety Hinge." Nov. 14, 1874.
4,042.—S. Wilmarth, Malden, Middlesex county, Mass., U. S. Improvements on water engines or motors, called "Wilmarth's Water Engine or Motor." Nov. 14, 1874.
4,043.—A. Rodgers, Muskegon, Muskegon county, Mich., U. S. Improvements on a machine for moving logs, called "Rodgers' Log Mover." Nov. 14, 1874.
4,044.—J. W. Upson, Tallmadge, Summit county, O., U. S., U. S. Improvements on an apparatus for screening and loading coal, called "James W. Upson's Apparatus for Screening and Loading Coal." Nov. 14, 1874.
4,045.—W. Golding, New Orleans, Orleans county, La., U. S. Improvement on steam generators, called "Golding Steam Generator." Nov. 14, 1874.
4,046.—T. L. I., C. B., and J. M. Hubbard, Port Huron, St. Clair county, Mich., U. S. Improvements on ship's winches, called "Hubbard's Ship Winch." Nov. 14, 1874.
4,047.—M. A. Cushing, Aurora, Kane county, Ill., U. S. Improvements on hot air furnaces, called "Cushing's Tubular Warm Air Furnace." Nov. 14, 1874.
4,048.—D. P. Dieterich, Philadelphia, Philadelphia county, Pa., U. S. Improvements on gum shoes or sabots, called "Dieterich's Gum Shoe." Nov. 14, 1874.
4,049.—F. Barber, Detroit city, Mich., U. S. Improvements on revolving chairs, called "Barber's Rocking and Tilting Revolving Chair." Nov. 14, 1874.
4,050.—W. Beck, Batavia, Genesee county, N. Y., U. S. Improvements on metallic hoop locks, called "Beck's Metallic Hoop Lock." Nov. 14, 1874.
4,051.—W. Beck, Batavia, Genesee county, N. Y., U. S. Improvements on tyre tighteners, called "Beck's Tyre Tightener." Nov. 14, 1874.
4,052.—J. E. Dustin, A. L. Brown, and W. G. Brown, Whitefield, N. H., U. S., and A. Ordway, Lawrence city, Mass., U. S. Improvements on spark arresters, called "Dustin's Spark Arrester." Nov. 14, 1874.
4,053.—H. B. Casgrain, Ottawa city, Ont. Extension of No. 150, called "The Universal Office File." Nov. 14, 1874.

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.

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