

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.

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 will not be published here.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;

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?"

[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 and their patent numbers, including Alarm, electro-thermo fire, Alkali, restoring caustic, Amalgamating machine, etc.

Table listing various inventions and their patent numbers, including Corn-husking machine, Cultivator, J. Hall, Cutter, meat, B. A. Wilton, etc.

Table listing various inventions and their patent numbers, including Spinning rings, making, C. E. Trowbridge, Spool, Darrow & Watt, Squares, stamping carpenter's, etc.

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:

- 31,824.—LOOMS.—W. Meekland. 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. Slaughter.

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.

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.—PLOWES.—E. E. Lummus & Co., Boston, Ms.

SCHEDULE OF PATENT FEES.

Table detailing patent fees: On each caveat \$10, On each Trade Mark \$25, On filing each application for a Patent (17 years) \$15, etc.

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."
4,027.—W. Shaver, Kempsville, Ont. Improvement on attachments for sewing machines, called "Shaver's Attachment for Sewing Machines for Laces, Braids, etc., with Hem."
4,028.—A. D. McKenzie and O. G. Hughes, Toronto, Can. Improvements in dumping wagons, called "McKenzie's Improved Dump Wagon."

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, Parkersburg, Wood county, Va., U. S. Improvements on hinges, called "Long's Surety Hinge." Nov. 14, 1874.
4,042.—S. Wilmarth, Maiden, 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 Arrestor." Nov. 14, 1874.
4,053.—H. B. Casgrain, Ottawa city, Ont. Extension of No. 150, called "The Universal Office File." Nov. 14, 1874.

Advertisements.

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