

COMMUNICATIONS RECEIVED.

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

- On Plumbers. By C. C. D.
On the Sczaroch. By C. R. S.
On the Crystallization of Carbon. By W. T.
On a Small Engine. By H. D.
On Life and Matter. By R. L.
On the Phylloxera. By J. L.
On Machinists' Tools. By C. M. B.
On Practical Mechanism. By R. E. W.
On the Jewish Race. By S. E.

Also enquiries and answers from the following:

- T. J.-A. W.-W. H. B.-C. S.-J. J.-A. R. T.-T. B.
-D. S. H.-C. I.-J. H. F.

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Enquiries relating to patents, or to the patentability of inventions, assignments, etc., will not be published here.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 watch and clock springs? Where can sharpeners for cotton gins be obtained? Who sells celestial maps? Where can hand machines for making cordage be bought? Who sells artificial insulators? Which is the best battery for telegraph sounders? Where can small malleable iron castings be procured? Who sells glass oil cups? Who makes a cow milking machine? Where can filters for maple sirup be obtained?" 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

September 29, 1874,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

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Table listing inventions with names and dates, such as and C. Ewell, Silver Creek, Chautauqua county, N. Y., U. S. Improvements in middlings purifiers, called "Morse's Improved Middlings Purifier No. 2." Oct. 1, 1874.
3,896.-H. J. Lingenfelter, Glen, Montgomery county, N. Y., U. S. Improvements on portable furnaces, called "Lingenfelter's Portable Furnace." Oct. 6, 1874.
3,897.-A. F. Andrews, New Haven county, Conn., U. S. Improvements in annealing and toughening iron, called "Improvements in Annealing and Toughening Iron." Oct. 6, 1874.
3,898.-A. Rodgers, Muskegon, Muskegon county, Mich., U. S. Improvements in devices for moving and barking logs, called "Rodgers' Log Mover and Barker." Oct. 6, 1874.
3,899.-A. Rodgers, Muskegon, Muskegon county, Mich., U. S. Improvements in grate bars, called "Rodgers' Grate Bar." Oct. 6, 1874.
3,900.-P. K. Dederick, Albany, N. Y., U. S. Improvements in horse powers and hoisting machines, called "The P. K. Dederick Horse Engine." Oct. 6, 1874.
3,901.-A. O. Kittridge, W. H. Clark, and W. T. Clark, Salem, Columbiana county, O., U. S. Improvements on a mallet for smoothing sheet metal, called "Kittridge, Clark & Clark's Improved Mallet for Smoothing Sheet Metal." Oct. 6, 1874.
3,902.-J. Bradley and W. H. Pearson, Lowell, Middlesex county, Mass., U. S. Improvements on knitting machines, called "Bradley's Variety Knitting Machine." Oct. 6, 1874.
3,903.-A. Schulte and Myer Stern, New York city, U. S. Improvements on head and face protectors, called "Schulte's Head and Face Protector." Oct. 6, 1874.
3,904.-H. T. Hotchkiss, Rock Island, Stanstead county, P. Q. Improvements on mop wringers, called "Hotchkiss's Mop Wringer." Oct. 6, 1874.

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.
31,030.-SAUSAGE STUFFER.-A. Nittinger. Dec. 12.
31,133.-CULTIVATOR.-J. S. Stafford. Dec. 30.

EXTENSIONS GRANTED.

30,191.-PAPER BAG MACHINE.-H. G. Armstrong.
30,215.-HARVESTERS.-T. N. Foster. Two patents.
30,233.-MARTINGALE RING.-De W. C. Lockwood.
30,234.-PLANING VALVE SEATS.-C. B. Long.

DISCLAIMERS.

16,648.-WAGON GEARING.-E. Huson.
30,191.-PAPER BAG MACHINE.-H. G. Armstrong.
102,462.-COOKING STOVE.-R. M. Hermance.
149,045.-WHIP SOCKET FASTENER.-G. L. Laffin et al.

DESIGNS PATENTED.

7,777.-PRINTING TYPE.-H. Ihlenburg, Philadelphia, Pa.
7,778.-PRINTING TYPE.-P. A. Jordan, Philadelphia, Pa.
7,779 to 7,781.-GRAVE GUARD.-A. Rank, Salem, O.
7,782.-SHIRT.-H. Heath, Brooklyn, N. Y.
7,783 and 7,784.-PRINTING TYPE.-H. Ihlenburg, Phila., Pa.
7,785.-OIL RESERVOIR.-L. F. Smith, Philadelphia, Pa.

TRADE MARKS REGISTERED.

2,000.-FERTILIZERS.-Baugh & Sons, Philadelphia, Pa.
2,001.-FLAX WEBBING.-Boston Mills, Boston, Mass.
2,002.-HAT TIPS.-Christy & Co., London, England.
2,003.-EYE BALMSAM.-W. M. Olliffe, New York city.
2,005.-WHISKY.-Shields & Co., Cincinnati, O.

SCHEDULE OF PATENT FEES.

Table listing 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; 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), \$10; On an application for Design (7 years), \$15; On an application for Design (14 years), \$30.

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA, SEPTEMBER 30, to OCTOBER 6, 1874.

Table listing Canadian patents with names and dates, such as 3,880.-E. F. Herrington, West Horsick, Rensselaer county, N. Y., U. S. Improvements on harvester pitman guides and holders, called "Herrington's Harvester Pitman Guide and Holder." Sept. 30, 1874.
3,881.-I. E. Thompson, Stanbridge, Missisquoi county, P. Q. Improvement in apparatus for cooking vegetables, etc., called "Thompson's Vegetable Steamer." Sept. 30, 1874.
3,882.-A. V. M. Sprague, Rochester, Monroe county, N. Y., U. S. Improvement on can openers, called "The Sprague Can Opener." Sept. 30, 1874.
3,883.-T. A. Williamson, Knowlton, Broome county, P. Q. Improvements on milk vats, called "Williamson's Packed Pan." Sept. 30, 1874.
3,884.-H. A. Mandersen, township of Maria, Bonaventure county, P. Q. Improvements on sleighs and carriages combined, called "Mandersen's Combined Sleigh and Carriage." Sept. 30, 1874.
3,885.-I. Lund, township of East Oxford, Oxford county, Ont. Improvements on corn huskers, called "Lund's Corn Husker." Sept. 30, 1874.
3,886.-C. Barlow, Cookshire, Compton county, P. Q. Improvement in a machine for turning cheeses, called "Barlow's Cheese Turner." Sept. 30, 1874.
3,887.-A. Rodgers, Muskegon, Muskegon county, Michigan, U. S. Improvements in circular saw mills, called "Rodger's Circular Saw Mill." Sept. 30, 1874.
3,888.-J. W. Jones, London, Ont. Composition of matter to be used in the preservation of eggs, called "Jones' Eggnoia." Sept. 30, 1874.
3,889.-W. W. Clay, J. Kay, and T. McCash, Paris, Brant county, Ont. Improvements on wood-drying apparatus, called "Clay, Kay, & McCash's Wood-Drying Apparatus." Sept. 30, 1874.
3,890.-A. O. Kittridge, W. H. Clark, and W. I. Clark, Salem, Columbiana county, O., U. S. Improvement on a machine for marking lines of bend of sheet metal for molding, called "Kittridge, Clark & Clark's Improved Machine for Marking Lines of Bend of Sheet Metal for Molding." Sept. 30, 1874.
3,891.-G. Scott, Montreal, P. Q. Improvements on a machine for lifting wheeled vehicles and other heavy weights, called "Scott's Carriage Lifting Jack." Sept. 30, 1874.
3,892.-T. H. Foote, New York city, U. S. Improvements in telegraph instruments, called "Foote & Randall's Improvement in Telegraph Instruments." Sept. 30, 1874.
3,893.-G. Pye, St. John, St. John county, New Brunswick. Improvements on harvesters, called "Pye's Harvester." Oct. 1, 1874.
3,894.-C. S. Fuller, O. M. Morse, H. J. Burdick, Oswego, N. Y., U. S., and S. Howes, A. Badcock, N. Badcock, and C. Ewell, Silver Creek, Chautauqua county, N. Y., U. S. Improvements in middlings purifiers, called "Fuller's Improved Middlings Purifier." Oct. 1, 1874.
3,895.-O. M. Morse, C. S. Fuller, H. J. Burdick, Oswego, N. Y., and S. Howes, A. Badcock, N. Badcock

Advertisements.

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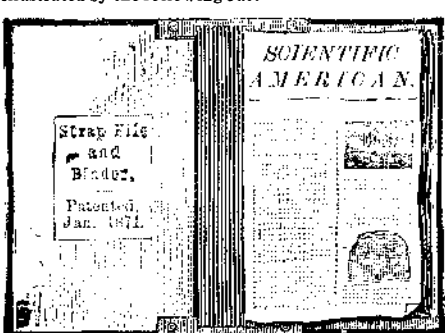
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