COMMUNICATIONS RECEIVED.

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

On a Telescope of Unlimited Power. By J. L., and by J. T.

On Engines and Boilers. By H. McM.

On Pisciculture. By C.

On the Canal Navigation Problem. By W. B. D.

On an Accidental Discovery. By W. H. R.

On Adjusting Journal Boxes. By W. L. C.

On Dreams. By J. L. W.

On Left Handed People. By G. W. C.

On Mental Arithmetic. By F. H. R.

On the Prismoidal Railway. By G. W. G.

On a Figure Exercise. By A. F.

On Magic Squares. By E. B., and by J. E. W.

On the Nebular Hypothesis. By J. S. L.

On Trees as Historians. By G. P.

On Antiquity of the Earth. By H. V. M.

On a Theory of the Tides. By J. N. V.

Also enquiries from the following:

M. F.—L. F.—E. C. H.—J. McI.—A.—S. W. C.

Correspondents in different parts of the country ask: Who makes small hay presses? Who sells stoves that burn naphtha as fuel? Who makes bars of steel to be used instead of bells? Makers of the above articles will probably promote their interests by advertising, in reply, in the SCIENTIFIC AMERICAN.

Correspondents who write toask the address of certain manufacturers, or where specified articles are to be had, also those having goods for sale, or who want to find partners, should send with their communications an amount sufficient to cover the cost of publication under the head of "Business and Personal" which is specially devoted to such enquiries.

[OFFICIAL.]

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FOR WHICH

Letters Patent of the United States

WERE GRANTED IN THE WEEK ENDING

December 2, 1873,

AND EACH BEARING THAT DATE.

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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:

27,357.—TABLE CUTLERY.—J. W. Gardner. Feb. 18.
27,392.—FOLDING AND PASTING MACHINE.—G. K. Snow. February 18.
27,403.—STEAM & FIRE REGULATOR.—J. Woodruff. Feb. 18.

EXTENSION GRANTED.

26,339.—WATER WHEEL.—J. P. Collins.

DISCLAIMER.

143,201.—SEAL LOCK.—J. E. Thomas, Buffalo, N. Y.

DESIGNS PATENTED.

7,005.—BUCKLE.—J. R. Smith, Waterbury, Conn.
7,006.—PENCIL CASE.—E. Todd, Brooklyn, N. Y.
7,007 to 7,014.—STOVES.—N. S. Vedder *et al*., Troy, N. Y.
7,015—CLOCK CASE.—G. H. Blakesley, Bristol, Conn.
7,016.—STATUARY.—J. Rogers, New York city.
7,017.—FAN.—W. A. Smith, Niagara Falls, N.Y.

TRADE MARKS REGISTERED.

1,545.—DRY GOODS.—Emery & Co., New York city.
1,546.—HARDWARE, ETC.—T. Hessenbruch, Phila., Pa.
1,547 to 1,562.—WATCHES.—National Watch Co., Elgin, Ill.
1,563.—LINIMENT.—I. Vallier, New York city.
1,564.—MEDICAL COMPOUND.—Moyer & Co., Phila., Pa.

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
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 (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 ON DECEMBER 10, 1873.

2,921.—W. A. Gibbs, Gilwell Park, Essex county, Eng., and A. Borwick, Lloyd's, London, Eng. Improvement on apparatus and arrangements for drying, called "Gibbs & Borwick's Improvement on Apparatus for Drying." Dec. 10, 1873.

2,922.—M. A. Wigle, Kingsville, Essex county, Ontario. Composition of matter to be used for blacking and giving a polish to and softening and rendering impervious to wet the leather of boots and shoes, called "Wigle's Improved Boot Blacking." Dec. 10, 1873.

2,923.—H. P. Huntoon, Cambridge, Mass., U. S., assignee of J. R. Brown, Cambridge, Mass., U. S. Improvement on pipe tongs, called "The Brown Pipe Tongs." Dec. 10, 1873.

2,924.—A. Wood, Worcester, Mass., U. S. Improvement on bolt cutting machines, called "Wood's Bolt Cutter." Dec. 10, 1873.

2,925,—A. A. Wilder, Detroit, Wayne county, Mich. Improvements on machine for forging and slotting track bolts, called "Wilder's Track Bolt Forging and Slotting Machine." Dec. 10, 1873.

2,926—S. Switzer, Sydenham, Frontenac county, Ontario, and S. O. McGuin. Improvement on rail car axle oilers, called "Switzer's & McGuin's Axle Oiler." Dec. 10, 1873.

2,927.—C. Burgess, Portsmouth, Scioto county, O., U. S. Improvement on the manufacture of iron and steel, called "Burgess' Manufacture of Iron and Steel." Dec. 10, 1873.

2,928.—G. B. Izzard, Hamilton, Ontario. Improvement on bed bottoms, called "Izzard's Adjustable Bed Bottom." Dec. 10, 1873.

2,929.—E. C. Fales, Foxborough, Norfolk county, Mass., U. S. Improved machine for blocking hats, bonnets, etc., called "Fales' Hat Blocking Machine." Dec. 10. 1873.

2,930.—H. Hebert, Montreal, P. Q. Improvement on boilers for locomotive and stationary engines, called "Hebert's Improved Engine Boiler." Dec. 10, 1873.

2,931.—G. Hibberd, Wheeling, Ohio county, W. Va., U. S. Improvement on pumps, called "Hibberd's Pump." Dec. 10, 1873.

2,932.—D. Maxell, Paris, Brant county, Ontario. Improvement on straw cutting machines for reversing, stopping, and reducing the motion of the feed rollers, called "Maxwell's Change, Stop, and Reverse Motion Straw Cutter." Dec. 10, 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.

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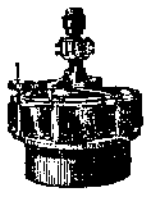

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