

Also enquiries and answers from the following:

J. E.—D. E. Correspondents whose inquiries fail to appear should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them.

Several correspondents request us to publish replies to their enquiries about the patentability of their inventions, etc. Such enquiries will only be answered by letter, and the parties should give their addresses.

Correspondents who write to ask 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.]

Index of Inventions

FOR WHICH

Letters Patent of the United States

WERE GRANTED IN THE WEEK ENDING

June 16, 1874,

AND EACH BEARING THAT DATE.

(Those marked (r) are reissued patents.)

Table listing various inventions such as Agricultural implement socket, Alarm, burglar, Anchor, C. A. Scanlon, Auger earth, J. Mosen, Bale tie, J. T. Mangham, etc., with corresponding patent numbers.

Table listing various inventions such as Game board, J. L. Eggleston, Game board, T. R. Wasgatt, Jr., Garter, W. S. Wardwell, Gas regulator, J. A. Crété, Gate, farm, W. H. Roderick, etc., with corresponding patent numbers.

Table listing various inventions such as Tyre tightener, M. J. Jenkins, Valve, cushion seated, T. Shaw, Valve, relief, E. R. Bristol, Vault cover, W. Lynch, etc., with corresponding patent numbers.

APPLICATIONS FOR EXTENSIONS. Applications have been duly filed and are now pending for the extension of the following Letters Patent.

- 30,100.—TRANSFERRING CARS.—W. Wharton, Jr. Sept. 2. 30,103.—HARVESTER RAKE & REEL.—McClintock Young, Jr. September 2. 30,234.—PLANING VALVE SEATS.—C. B. Long. Sept. 16.

EXTENSION GRANTED. 28,755.—PORTFOLIO.—J. Nelson Jacobs.

DESIGNS PATENTED. 7,491.—OTSER DISHES.—J. W. Boteler, Washington, D. C. 7,492.—GAS BURNER.—E. Evans, Lynn, Mass. 7,493.—GLASS BOWLS.—A. H. Helsey, Pittsburgh, Pa. 7,494.—SNOW CASES.—A. Holthaus, St. Louis, Mo. 7,495 & 7,496.—CENTER FIXERS.—S. Kellett, San Francisco, Cal. 7,497.—HEATING STOVE.—A. Wemyss, Philadelphia, Pa.

TRADE MARKS REGISTERED. 1,831.—CIGARS.—R. C. Brown, New York city. 1,832.—COTTON DUCK.—Brinckerhoff & Co., N. Y. city. 1,833 & 1,834.—BAGS AND DUCK.—Brinckerhoff & Co., New York city. 1,835.—PREPARATION OF TRIPPE.—Gall & Co., Cinclin., Pa. 1,836.—CEMENT.—J. C. Harris & Co., Philadelphia, Pa. 1,837.—STEAM ENGINE.—Hercheirode & Hill, Dayton, O. 1,838.—STOVE POLISH.—Hopplings, New York city. 1,839.—LUBRICATING OILS.—Wells & Co., Parkersburg, W. Va.

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 (3 1/2 years).....\$10 On application for Design (7 years).....\$15 On application for Design (14 years).....\$30

CANADIAN PATENTS. LIST OF PATENTS GRANTED IN CANADA JUNE 10 to 15, 1874.

Table listing Canadian patents such as 3,541.—W. L. Horne, Chicago, Ill., U. S. Machine for regulating the pressure of gas and other fluids, called "Horne's Pressure Regulator for Gas and other Fluids." June 10, 1874. 3,542.—J. W. Ricker, Sherbrooke, P. Q. Improvements on a washing machine, called "Ricker's Washing Machine." June 10, 1874. 3,543.—Y. M. C. Johnson, Franklinsville, Randolph county, N. C., U. S. Improvements in shoemaker's combination tools, called "Johnson's Improved Combination Tool for Shoemakers' Use." June 10, 1874. 3,544.—T. Hazard, Wilmington, Clinton county, O., U. S. Extension of No. 2,598, first period. "Hazard's Straw and Hay Cutter." June 10, 1874. 3,545.—T. Hazard, Wilmington, Clinton county, O., U. S. Extension of No. 2,598, second period. "Hazard's Straw and Hay Cutter." June 11, 1874. 3,546.—I. P. Magoon, St. Johnsbury, Caledonia county, Vt., U. S., and H. Fairbanks, same place. Reissue of No. 2,736, for "Magoon's Locomotive Feed Water Heater." June 15, 1874. 3,547.—J. H. Wentworth, Boston, Suffolk county, Mass., U. S. Improvements in portable ranges and cooking stoves, called "Wentworth's Portable Range or Cooking Stove." June 15, 1874. 3,548.—B. Jefferson, Toronto, York county, Ont. Composition of matter to be used in the manufacture of artificial stone or marble, called "Patent Victoria Stone." June 15, 1874. 3,549.—C. H. Hutchinson, Manchester, N. S., U. S. Improvements on balanced valves for steam engines, called "Hutchinson's Improved Balanced Valve." June 15, 1874. 3,550.—D. H. Packard, Brockton, Plymouth county, Mass., U. S. Improvement on boxes for the toes of boots and shoes, called "The Packard Moulded Box Toe." June 15, 1874. 3,551.—J. T. Jones, Ilton, Herkimer county, N. Y., U. S. Improvements in treadles for sewing machines, called 3,552.—J. Gould, Clinton, Allegheny county, Pa., U. S. Improvement in animal traps, called "Gould's Animal Trap." June 15, 1874. 3,553.—M. B. Marcum, Cameron, Clinton county, Miss., U. S. Improvements on car couplings, called "Marcum's Car Coupling." June 15, 1874. 3,554.—B. T. Babbitt, New York city, U. S. Improvements on processes for coating caustic alkalies, called "Babbitt's Process for Coating Caustic Alkalies." June 15, 1874. 3,555.—B. T. Babbitt, New York city, U. S. Improvement in caustic alkali packages, called "Babbitt's Caustic Alkali Package." June 15, 1874. 3,556.—W. H. Bond, Syracuse, Onondaga county, N. Y., U. S. Improvements on a hot air furnace, called "Bond's Hot Air Furnace." June 15, 1874. 3,557.—J. C. Waterhouse, Sherbrooke, P. Q. Improvements on sewing machines, called "The Climax Sewing Machine." June 15, 1874.

3,558.—E. H. Murray, St. Paul, Ramsey county, Minn., U. S. Improvement on food from wheat, and process for preparing the same, called "Murray's Granulated Wheat." June 15, 1874. 3,559.—C. C. Barnes, Sackville, Westmoreland county, N. B. Improvements on rotary pumps, called "Barnes' Rotary Pump." June 15, 1874. 3,560.—J. D. Patton, Treverton, Northumberland county, Pa., U. S. Improvements on apparatus for manufacturing gas, called "Patton's Apparatus for Manufacturing Gas." June 15, 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.

Advertisement for ROOFS. 100 Sq. Ft. FOR STEEP AND FLAT. EST'D 1856. SAMPLES & CIRCULARS SENT FREE. READY ROOFING CO. OF N.Y. 64 CORTLANDT ST.

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Table listing second hand boilers and engines such as 15 H. P. Gibbs & Sterret, Stationary Engine.....\$300 10 " Wood & Mann, Portable Boiler and Engine. 325 10 " Landie & Co. 250 12 " Cooper, Portable Boiler, Stationary Engine. 450 15 " Locomotive Boiler..... 300 18 " Upright Boiler..... 40 20 " Stationary Tubular Boiler..... 175 12 " Stationary Engine..... 150 12 " Portable Boiler and Engine..... 350 18 " Scheidler & McNamara, Portable..... 600 10 " Brown & Struthers, Stationary Engine..... 300 12 " Payne & Sons, Portable Engine and Boiler..... 350 26 " Stationary two fuel Boiler..... 350 35 " Stationary Tubular Boiler..... 350 6 " Stationary Engine..... 75 8 " Cooper, Portable Boiler and Engine..... 260 8 " Fox & Co. Buffalo..... 250 3 No. 0. Cameron Steam Pump each..... 65 1 No. 1. Blawie..... 65

Large number of others, different styles, all in good working order, on cars, at prices stated. Can furnish large quantities of sound lap-welded pipe at about half cost of new. Send for circular and price list.

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FOR SALE—AN UNFINISHED IRON, TWIN SCREW STEAM VESSEL, having double bottom and water-tight compartments.

Table listing specifications for the steam vessel: Length between Perpendiculars..... 890 feet. Breadth of Beam..... 45 " Depth to Main Deck..... 24 1/2 " Displacement at 22 feet draught..... 6,000 tons. Area of Midship Section..... 890 sq. ft. Number of Transverse Bulkheads..... 7

ENGINES. Two pairs, each pair driving one Screw. Diameter of Steam Cylinder..... 72 inches. Stroke of Platon..... 45 " Surface Condensers, area..... 12,560 sq. ft.

SCREWS. Diameter..... 18 feet Pitch..... 27 " Number of Blades..... 21

BOILERS. Ten in number; Ordinary Horizontal Fire Tubular Type. Total Heating Surface..... 28,000 sq. ft. Grate Surface..... 876 "

This vessel was intended to be completed for the State of New Jersey as an ironclad. The plans were prepared and the work was carried on under the direction of General GEORGE B. MCCLELLAN, U. S. A. All materials, and the workmanship are guaranteed to be of the best possible description.

The funds appropriated for the purpose of completing the vessel not proving sufficient, the Legislature of the State of New Jersey has directed that a sale be made to the highest bidder of a Commission, consisting of: His Excellency Gov. JOEL ARKER, of Trenton, Vice-Chancellor AMZI DODD, of Newark, Honorable Messrs. W. S. HOPKIN, and S. B. DOD, of Hoboken.

Bids endorsed "PROPOSALS FOR THE PURCHASE OF IRON STEAMER OR OF PARTS THEREOF," may be addressed to the GOVERNOR OF THE STATE OF NEW JERSEY, by whom they will be received at Trenton, N. J., until 12 o'clock, A. M., on the second day of November next, at which time they will be publicly opened.

A detailed description of the vessel, as nearly completed, except as to armor and armament, may be obtained by addressing either member of the Commission or the undersigned.

Permission to examine the vessel, and to inspect the premises, may be obtained (by intending purchasers) by application at the Dry Dock, where the ship now lies, or to the Consulting Engineer to the Commission, who will be prepared to exhibit drawings, to explain the structure of hull and machinery, and to give any other information respecting the vessel.

R. H. THURSTON, Consulting Engineer to the Commission, Hoboken, New Jersey, United States of America.

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