

very many patents are suffered to expire without any effort at extension, owing to want of proper information on the part of the patentees, their relatives or assigns, as to the law and the mode of procedure in order to obtain a renewed grant.

Patents may be extended and preliminary advice obtained, by consulting or writing to MUNN & CO., No. 37 Park Row, New York.

REJECTED APPLICATIONS.

Messrs. MUNN & CO. are prepared to undertake the investigation and prosecution of rejected cases, on reasonable terms. The close proximity of their Washington Agency to the Patent Office affords them rare opportunities for the examination and comparison of references, models, drawings, documents, &c.

All persons having rejected cases which they desire to have prosecuted, are invited to correspond with MUNN & CO., on the subject, giving a brief history of the case, inclosing the official letters, &c.

FOREIGN PATENTS.

Messrs. MUNN & CO. are very extensively engaged in the preparation and securing of patents in the various European countries. For the transaction of this business they have offices at Nos. 66 Chancery Lane, London; 23 Boulevard St. Martin, Paris; and 26 Rue des Eperonniers, Brussels.

Inventors will do well to bear in mind that the English law does not limit the issue of patents to inventors. Any one can take out a patent there.

Circulars of information concerning the proper course to be pursued in obtaining patents in foreign countries through MUNN & CO'S Agency, the requirements of different Government Patent Offices, &c., may be had, gratis, upon application at the principal office, No. 37 Park Row, New York, or any of the branch offices.

SEARCHES OF THE RECORDS.

Having access to all the official records at Washington, pertaining to the sale and transfer of patents, MESSRS. MUNN & CO., are at all times ready to make examinations as to titles, ownership, or assignments of patents. Fees moderate.

INVITATION TO INVENTORS.

Inventors who come to New York should not fail to pay a visit to the extensive offices of MUNN & CO. They will find a large collection of models (several hundred) of various inventions, which will afford them much interest.

MUNN & CO. wish it to be distinctly understood that they do not speculate or traffic in patents, under any circumstances; but that they devote their whole time and energies to the interests of their clients.

COPIES OF PATENT CLAIMS.

MESSRS. MUNN & CO., having access to all the patents granted since the rebuilding of the Patent Office, after the fire of 1836, can furnish the claims of any patent granted since that date, for \$1.

THE VALIDITY OF PATENTS.

Persons who are about purchasing patent property, or patentees who are about erecting extensive works for manufacturing under their patents, should have their claims examined carefully by competent attorneys, to see if they are not likely to infringe some existing patent, before making large investments.

ASSIGNMENTS OF PATENTS.

The assignment of patents, and agreements between patentees and manufacturers, carefully prepared and placed upon the records at the Patent Office. Address MUNN & CO., at the Scientific American Patent Agency, No. 37 Park Row, New York.

It would require many columns to detail all the ways in which the Inventor or Patentee may be served at our offices. We cordially invite all who have anything to do with patent property or inventions to call at our extensive offices, No. 37 Park Row, New York, where any questions regarding the Rights of Patentees, will be cheerfully answered.

Communications and remittances by mail, and models by express (prepaid) should be addressed to MUNN & CO. No. 37 Park Row, New York.



[A great many correspondents write to us about matters of no importance to any one but themselves, and request answers "by return mail." The Post-office could not carry all the correspondence of this kind if we had time to write it; and for replies to all such letters our friends and readers must look in "Notes and Queries."]

E. L., of N. J.—Flax cotton is manufactured to some extent; there is a factory, we are told, in Toledo, Ohio, using it. Tow is used for making coarser kinds of paper. We cannot give you definite directions for the strength of the chloride solution for bleaching. You had better address H. C. Baird, 406 Walnut street, Philadelphia, for a work on dyeing.

D. W. G., of N. Y.—You ask us to inform you "if a perpetual motion has ever been invented by man." We answer no, and it never can be until man can actually create something out of nothing. The idea of a perpetual motion, has men ordinarily regard it, is now regarded as a ridiculous absurdity by all who understand the laws of dynamics.

F. S., of Ohio.—Many persons have proposed to provide spiral surfaces on the exterior of an elongated projectile, for the purpose of obtaining a rotatory motion by the resistance of the atmosphere when the projectile is fired from a smooth-bore gun and many experiments have been made with differently formed surfaces; but all that we have any knowledge of have been failures. We cannot tell you the comparative cost of rifled and smooth-bore ordnance. We do not consider it practicable to magnetize driving wheels to operate as you propose. The idea of doing so is not new.

G. D., of N. J.—Your mode of signalling the various stations on the railway, so that travellers may know when to get out is old and well known—there are models of the same thing now in the Patent Office.

G. W. P., of Pa.—You will find a process for blackening brass described on page 22, present volume. The cheapest and quickest way to do it is to coat the material with black shellac varnish. This will wear off in time, but it is less trouble for a small job than bothering with acids, &c.

L. W. D., of Conn.—Fuller's earth is first baked and then mixed with pure water. Silver and platinum are used for tipping the points of lightening-rods, but there is no necessity for using any other metal than the iron or copper of which the rod is made.

H. Mc. R., of N. Y.—Of all the formations that which has most puzzled geologists is the "drift." Any man bringing forward a new theory in relation to it, would be obliged, in order to secure attention, to show perfect familiarity with the facts of the case. The proper discussion of the subject would require a book, or, at least a pamphlet, and would be too voluminous for our pages.

J. H., of Ill.—To exclude dampness from brick-work, varnish it with a coating made in the proportion of mixing 8 lbs. of linseed oil with 1 lb. of sulphur, and heating to 275°. We know of no better paint than that made of red lead and linseed oil.

C. B. & Co., of Vt.—The term "new article of manufacture" is very comprehensive. It includes almost everything that is improved. Such patents are the same as if the term "new article" were not used. He who holds the right for a patent may introduce it to the public or not, as he chooses. The statement in the circular is incorrect. If there is a "general smash-up" at the close of the war, the condition of the country will be somewhat jumbled; and if money becomes scarce, people will have less to spend.

J. W. H., of Iowa.—You will find it very difficult to remove the scale from the inside of your steam pipes. A strong solution of soda is used in England with some success, but we cannot speak positively of its virtues.

G. S., of Penn.—You cannot cut off at any point of the stroke with a link motion with economy. When you cut off past a certain point which varies with the construction of the valve, you experience a dead loss, for the steam is not only cut off from the cylinder but shut up in it. In other words the exhaust is closed too soon and back pressure results. Take off your expansion valve which you say is fixed, and put in one with a right-and-left screw, so that by turning the screw you can draw the valves nearer to or further from the center. This will vary the cut without affecting the lead, as does the link.

A. M. R., of Mo.—A great many patents have been granted in this country and in England for water-meters; but thus far they have not been brought much into use.

Money Received.

At the Scientific American Office, on account of Patent Office business, from Wednesday, Feb. 17, 1864, to Wednesday, Feb. 24, 1864:—

- W. C. S., of N. Y., \$25; F. N., of N. Y., \$25; J. H. K., of N. Y., \$25; D. M., of N. Y., \$25; G. T., of N. Y., \$25; H. P., of N. Y., \$25; S. Z., of N. Y., \$25; W. H. Mc.M., of N. Y., \$25; C. B., of N. Y., \$25; E. H. D., of N. J., \$56; S. C., of N. Y., \$75; D. & N., of N. Y., \$25; D. A. G., of N. Y., \$22; J. M., of N. Y., \$20; J. S., of N. Y., \$16; I. V. H., of N. Y., \$41; P. S. B., of Mass., \$56; G. W. & H. F., of N. Y., \$16; H. D., of Ohio, \$20; G. A. B., of Mass., \$30; J. Z., of Ill., \$20; L. E., of Conn., \$45; P. C., of N. Y., \$16; L. & P., of Pa., \$20; W. S., of Ohio, \$45; J. S., of N. Y., \$20; Mrs. S. A. M., of N. Y., \$16; J. K., of N. Y., \$20; B. W. L., of Austria, \$43; J. S. W., of Ill., \$42; J. & S., of Mich., \$45; A. E. L., of N. Y., \$20; C. A., of N. Y., \$16; A. B., of N. Y., \$16; W. M. K., of N. Y., \$20; C. C., of N. Y., \$16; E. P., of N. Y., \$20; J. F. C., of N. Y., \$22; C. J. F., of N. J., \$20; A. A., of N. Y., \$16; J. L. J., of N. Y., \$31; J. Van de C., of N. Y., \$16; A. J. V., of Ohio, \$25; J. P., of N. Y., \$41; W. H. F., of Pa., \$44; G. A. B., of Mass., \$30; B. E. M., of Ill., \$16; P. J. C., of Conn., \$22; G. C. W., of Ohio, \$41; W. M. S., of Mich., \$16; J. G. M., of N. Y., \$50; G. F. H., of Minn., \$16; B. L., of Mich., \$159; D. & J. S., of Pa., \$25; H. R. T., of Wis., \$15; W. B. K., of N. H., \$16; H. & L., of Conn., \$16; J. P., of Mass., \$16; H. A. B., of Pa., \$25; T. & R., of Ill., \$25; J. A., of Ill., \$21; J. F., of Conn., \$16; B. & B., of Mass., \$16; J. W. F., of Pa., \$50; A. K., of Ill., \$16; E. J. S., of Md., \$16; J. C., of Ohio, \$10; P. & H., of N. J., \$16; J. S. T., of Pa., \$15; J. S., of Mass., \$25; T. C. L., of Mass., \$16; H. R. B., of Vt., \$16; H. P., of Vt., \$16; H. A., of N. Y., \$16; T. B., of Mass., \$25; G. W. M., of Mass., \$16; C. R. O., of N. Y., \$16; S. P. B., of N. Y., \$16; A. H. W., of Iowa, \$30; V. & L., of Minn., \$25; J. A. H., of Vt., \$25; I. H. F., of Ill., \$45; M. S., of Mo., \$25; H. A. T., of Ill., \$10; A. S. H., of N. Y., \$10; J. B., of Ohio, \$30; H. B., of Conn., \$16; G. L., of N. Y., \$30; S. S. C., of Conn., \$30; G. K. W., of Conn., \$22; W. V., of Mich., \$15; C. H. W., of N. Y., \$16.

Persons having remitted money to this office will please to examine the above list to see that their initials appear in it and if they have not received an acknowledgment by mail, and their initials are not to be found in this list, they will please notify us immediately, stating the amount and how it was sent, whether by mail or express.

Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Patent Office, from Wednesday, Feb. 17, 1864, to Wednesday Feb. 24, 1864:—W. C. S. of N. Y.; F. N. of N. Y.; J. H. K. of N. Y.; D. M. of N. Y.; T. U. of N. Y.; G. T. of N. Y.; H. P. of N. Y.; S. Z. of N. Y.; W. H. Mc. M. of N. Y.; C. B. of N. Y.; E. M. of N. J. (2 cases); S. & C. of N. Y. (2 cases); D. & N. of N. Y.; L. T. L. of Belgium; W. R. of Russia; I. V. H. of N. Y.; P. S. B. of Mass; B. W. L. of Austria; J. W. F. of Ill.; J. L. J. of N. Y.; P. J. C. of Conn.; H. A. T. of Ill.; J. S. of Mass.; D. & J. S. of Pa.; J. T. R. of N. J.; T. C. of Conn.; T. & R. of Ill.; H. A. B. of Pa.; T. B. of Minn.; C. M. M. of N. J.; A. H. W. of Iowa; M. S. of Mo.; V. & L. of Mass.; J. A. H. of Vt.; J. H. F. of Ill.

R. of Russia; I. V. H. of N. Y.; P. S. B. of Mass; B. W. L. of Austria; J. W. F. of Ill.; J. L. J. of N. Y.; P. J. C. of Conn.; H. A. T. of Ill.; J. S. of Mass.; D. & J. S. of Pa.; J. T. R. of N. J.; T. C. of Conn.; T. & R. of Ill.; H. A. B. of Pa.; T. B. of Minn.; C. M. M. of N. J.; A. H. W. of Iowa; M. S. of Mo.; V. & L. of Mass.; J. A. H. of Vt.; J. H. F. of Ill.

RATES OF ADVERTISING.

TWENTY-FIVE CENTS per line for each and every insertion, payable in advance. To enable all to understand how to calculate the amount they must send when they wish advertisements published, we will explain that ten words average one line. Engravings will not be admitted into our advertising columns, and, as heretofore, the publishers reserve to themselves the right to reject any advertisement they may deem objectionable.

OLIVER'S PATENT DRYING KILN, FOR SEASONING and Drying Lumber, the only process that will season thoroughly without checking. Carpenters, Carriage Makers, Coopers, Cabinet Makers, Car Builders, Gun Stock Manufacturers, Sash and Blind Manufacturers, Agricultural Machine Manufacturers, and all Workers in Wood, are invited to use this invention, which consists in certain provisions within a kiln for subjecting the lumber to heat in such a manner as to effectually prevent it from checking. H. W. OLIVER, Patentee, Box 934, New Haven, Conn., or S. C. LEWIS, Whitteville, Conn. 10 2*

NICHOLSON'S MANUAL OF BOOKBINDING.

A MANUAL OF THE ART OF BOOKBINDING; Containing full instructions in the different branches of Forwarding, Gilding, and Finishing. Also, the Art of Marbling Book-covers and Paper. The whole designed for the Practical Workman, the Amateur, and the Book-collector. By James B. Nicholson, of the widely-known Philadelphia bookbinding firm of Pawson & Nicholson. Fully illustrated by ornamental designs for the sides and backs of books, drawings of tools, machines, and processes in Bookbinding, and appropriate Samples of Marbled Paper. In one vol., 12mo, price ONE DOLLAR and SEVENTY-FIVE CENTS. Sent by mail free of postage.

CONTENTS:—INTRODUCTION, Sketch of the Progress of Bookbinding. PART I.—Sheet Work. PART II.—Forwarding, the Edges, Marbling, Gilding the Edges, Covering, Half-Binding, Blank-Binding, Boards, Cloth Work. PART III.—Ornamental Art, Finishing. Taste and Design, Style, Gilding, Illuminated Binding, Blind Tooling, Antique, Coloring, Marbling, Uniform Colors, Gold Marble, Landscape, &c., Inlaid Ornaments, Harmony of Colors, Pasting Down, &c., Stamp or Press-Work, Restoring the Bindings of Old Books, Supplying Imperfections in Old Books, Hints to Book Collectors, Technical Terms.

My New Catalogue sent free to any address. Any book on my list sent free of postage at the publication price. HENRY CAREY BAIRD, Industrial Publisher, 406 Walnut street, Philadelphia. 10 2

CONJUGAL RESEMBLANCES, WHERE LOVE begins and ends—Woman's Wages—Matrimony in the way—Money—Its nature, use and abuse—Ethnology, Skulls and national characters of the English, Scotch, German, French, Slavon, Finnish, Circassian, etc.—The Colored Chaplain—Rev. H. M. Turner—His likeness, and a sketch of character—in the March No. Phrenological Journal, 15 cents, or \$1 50 a year. FOWLER & WELLS, 308 Broadway, New York. 10 2

SMITH & BUTLER, ORNAMENTAL ELECTROTYPERS.—Medallions and Ornaments in Copper, Brass, and Bronze, and Bronze and Gilt Ornaments for Sale. 183 William street, New York. 10 2*

ROUND AND SQUARE MATCH MACHINES. Woolen Cards, Rag Pickers, &c., Manufactured by RICHARDSON & CO., Athol Depot, Mass. 10 13*

THE COLOR OF YOUR EYES. Language of Blue Eyes, Black Eyes, Brown Eyes, Hazel Eyes, Gray Eyes, Green Eyes, Children's Eyes, and the Eyes of Celebrated Persons—Poetry of the Eyes.—

The bright black eye, the melting blue, I cannot choose between the two; But that is dearest all the while, Whose light is the sweetest smile. and much more on the same subject, in the Phrenological Journal for March, now ready, only 15 cents, or \$1 50 a year. Address FOWLER & WELLS, 308 Broadway, New York. 10 2

FOR SALE.—THE PATENT FOR McDONALD'S SCREW WRENCH.—This is a superior Wrench in every respect. It is a time-saving tool. It will open wider, easier, and quicker than any Wrench in use. It is particularly adapted for Plumbers and Engineers. Being simple in its construction, is not liable to get out of order. For illustration of this tool, see SCIENTIFIC AMERICAN of Jan. 9, 1864. Persons wishing to purchase the Patent, or take an interest in the Manufacture, can address JOHN MORRISON, Park Hotel, New York; or at Dubuque, Iowa. 10 1*

THE "JERKS," OR CONVULSIONS, WHEN UNDER religious exercises.—Wonderful phenomena in France—Causes explained—A change of Heart—The Future American—White, Red, or Brown—Which! What we want—Fruit growing—Aunt Nabby, or the Surprise Party—Superstitions, in Great Britain and Ireland, and the Signs of Misfortune, which Guards—Irish Guards—Rain at a Funeral—Trying Fortunes, etc. in March No. Phrenological Journal. Only 15 cts., or \$1 50 a year. FOWLER & WELLS, 308 Broadway, New York. 10 2

TEMPLETON ON STEAM AND THE STEAM ENGINE.

THE PRACTICAL EXAMINATOR, OR STEAM AND THE STEAM ENGINE; with Instructive References relative thereto. Arranged for the use of Engineers, Students, and others. By William Templeton, Engineer. In one vol., 12mo, price SEVENTY-FIVE CENTS. Sent free of postage to any address. This little volume, which was originally intended solely for the Author's own private use, has been pronounced by Engineers one of the most valuable books on the Steam Engine ever published. On the strength of the high commendation it has received from men competent to judge of its merits, and the large and rapidly increasing demand for it among Engineers in the Navy, and others, the publisher recommends it to the consideration of the Engineering Profession with very great confidence.

My New Catalogue of Practical and Scientific Books, containing many announcements of New Books in preparation, sent by mail free to any one applying for it. Any book on my list sent free of postage at the publication price. HENRY CAREY BAIRD, Industrial Publisher, 406 Walnut street, Philadelphia. 10 3

H. N. WINANS, NEW YORK.—I USED YOUR INCRUSTATION POWDER in our five Boilers with entire satisfaction, and believe every one who has used it will save from Five to Seven Dollars in Fuel, by saying nothing of the saving by keeping the boiler clean and free from scale.—J. O. LORD, Engineer, State Hospital, Jacksonville, Ills. 10 2*

GUN AND PISTOL SCREWS.—COMSTOCK, LYON & CO., Manufacturers (Office, 74 Beekman street, New York), are always prepared to furnish Gun and Pistol Screws to sample, Screws for the U. S. Market, Sewing Machine Screws, and Metal Screws generally, of the best quality, at short notice. 10 26

THE NILE EXPLORERS, CAPTAINS SPEKE AND GRANT, with likenesses, including their African Beauty, How he got two wives—The Science of Force, Magnetism, Water, Iron, Combustion, Origin of Vegetation—What Mind is made of—The Breath of Life—Wonders of Creation—The Microscope—Monads, Birds, Physiological and Stellar Wonders, in March No. Phrenological Journal, 15 cts. FOWLER & WELLS, New York. 10 2

TWO INVENTORS, MANUFACTURERS, & C.—AN EXPERIENCED PATENT AGENT, just closing an engagement, will undertake the Sale of a Good Patent, or Manufacture Article of Merit. Good reference. Address A. B. HOLMES, Dowagiac, Mich., with all particulars. 10 2*