

never had a more efficient corps of Draughtsmen and Specification Writers than those employed at present in their extensive offices, and that they are prepared to attend to patent business of all kinds in the quickest time and on the most liberal terms.

PRELIMINARY EXAMINATIONS AT THE PATENT OFFICE.

The service which Messrs. MUNN & CO. render gratuitously upon examining an invention does not extend to a search at the Patent Office, to see if a like invention has been presented there; but is an opinion based upon what knowledge they may acquire of a similar invention from the records in their Home Office. But for a fee of \$5, accompanied with a model, or drawing and description, they have a special search made at the United States Patent Office, and a report setting forth the prospects of obtaining a patent, &c., made up and mailed to the inventor, with a pamphlet, giving instructions for further proceedings. These preliminary examinations are made through the Branch Office of Messrs. MUNN & CO., corner of F. and Seventh streets, Washington, by experienced and competent persons. Many thousands of such examinations have been made through this office, and it is a very easy course for every inventor to pursue Address MUNN & CO., No. 37 Park Row, New York.

HOW TO MAKE AN APPLICATION FOR A PATENT.

Every applicant for a patent must furnish a model of his invention if susceptible of one; or, if the invention is a chemical production, he must furnish samples of the ingredients of which his composition consists, for the Patent Office. These should be securely packed, the inventor's name marked on them, and sent, with the Government fees, by express. The express charge should be pre-paid. Small models from a distance can often be sent cheaper by mail. The safest way to remit money is by a draft on New York, payable to the order of Messrs MUNN & CO. Persons who live in remote parts of the country can usually purchase drafts from their merchants on their New York correspondents; but, if not convenient to do so, there is but little risk in sending bank bills by mail, having the letter registered by the postmaster. Address MUNN & CO., No. 37 Park Row, New York.

Patents are now granted for SEVENTEEN years, and the Government fee required on full grant application for a patent is \$15. Other changes in the fees are also made as follows:—

- On filing each caveat.....\$10
On filing each application for a Patent, except for a design.....\$15
On issue of each original Patent.....\$20
On appeal to Commissioner of Patents.....\$20
On application for Re-issue.....\$30
On application for extension of Patent.....\$50
On granting the Extension.....\$50
On filing a Disclaimer.....\$10
On filing application for Design (three and a half years).....\$10
On filing application for Design (seven years).....\$15
On filing application for Design (fourteen years).....\$30

The Patent Laws, enacted by Congress on the 2d of March, 1861, are now in full force, and prove to be of great benefit to all parties who are concerned in new inventions.

The law abolishes discrimination in fees required of foreigners, excepting natives of such countries as discriminate against citizens of the United States—thus allowing Austrian, French, Belgian, English, Russian, Spanish and all other foreigners except the Canadians, to enjoy all the privileges of our patent system (except in cases of designs) on the above terms. Foreigners cannot secure their inventions by filing a caveat; to citizens only is this privilege accorded.

CAVEATS.

Persons desiring to file a caveat can have the papers prepared in the shortest time by sending a sketch and description of the invention. The Government fee for a caveat is \$10. A pamphlet of advice regarding applications for patents and caveats is furnished gratis, on application by mail. Address MUNN & CO., No. 37 Park Row, New York.

EXTENSION OF PATENTS.

Many valuable patents are annually expiring which might readily be extended, and if extended, might prove the source of wealth to their fortunate possessors. Messrs. MUNN & CO. are persuaded that 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. Some of the most valuable grants now existing are extended patents. Patentees, or, if deceased, their heirs, may apply for the extension of patents, but should give ninety days' notice of their intention.

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. Their success in the prosecution of rejected cases has been very great. The principal portion of their charge is generally left dependent upon the final result.

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; 29 Boulevard St. Martin, Paris; and 26 Rue des Eperonniers, Brussels. They think they can safely say that THREE-FOURTHS of all the European Patents secured to American citizens are procured through their agency.

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

vice rendered them; and the wealth which has inured to the individuals whose patents were secured through this office, and afterwards illustrated in the SCIENTIFIC AMERICAN, would amount to many millions of dollars! Messrs. MUNN & CO. would state that they 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. The whole establishment is one of great interest to inventors, and is undoubtedly the most spacious and best arranged in the world.

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. Written opinions on the validity of patents, after careful examination into the facts, can be had for a reasonable remuneration. The price for such services is always settled upon in advance, after knowing the nature of the invention and being informed of the points on which an opinion is solicited. For further particulars address MUNN & CO., No. 37 Park Row, New York.

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.

TO OUR READERS.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within thirty years, can obtain a copy by addressing a note to this office, stating the name of the patentee and date of patent, when known, and enclosing \$1 as fee for copying. We can also furnish a sketch of any patented machine issued since 1853, to accompany the claim, on receipt of \$2. Address MUNN & CO., Patent Solicitors, No. 37 Park Row, New York.

INVARIABLE RULE.—It is an established rule of this office to stop sending the paper when the time for which it was pre-paid has expired.

Models are required to accompany applications for Patents under the new law, the same as formerly, except on design patents, when two good drawings are all that are required to accompany the petition, specification and oath, except the Government fee.

RECEIPTS.—When money is paid at the office for subscriptions, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona-fide acknowledgement of our reception of their funds.

Binding the "Scientific American."

It is important that all works of reference should be well bound. The SCIENTIFIC AMERICAN being the only publication in the country which records the doings of the United States Patent Office, it is preserved by a large class of its patrons, lawyers and others, for reference. Some complaints have been made that our past mode of binding in cloth is not serviceable, and a wish has been expressed that we would adopt the style of binding used on the old series, i. e., heavy board sides covered with marble paper, and morocco backs and corners.

Believing that the latter style of binding will better please a large portion of our readers, we commenced on the expiration of Volume VII., to bind the sheets sent to us for the purpose in heavy board sides, covered with marble paper and leather backs and corners.

The price of binding in the above style is 75 cents. We shall be unable hereafter to furnish covers to the trade, but will be happy to receive orders for binding at the publication office, No. 37 Park Row, New York.

Back Numbers and Volumes of the "Scientific American."

VOLUMES I., II., III., IV., V., VII. AND VIII. (NEW SERIES) complete (bound) may be had at this office and from periodical dealers. Price, bound, \$2 25 per volume, by mail, \$3— which includes postage. Every mechanic, inventor or artisan in the United States should have a complete set of this publication for reference. Subscribers should not fail to preserve their numbers for binding. VOL. VI. is out of print and cannot be supplied.

Money Received.

At the Scientific American Office, on account of Patent Office business, from Wednesday, Jan. 6, 1864, to Wednesday, Jan. 13, 1864:—

- H. T. M., of N. Y., \$30; A. S., of N. Y., \$25; S. L. H., of N. Y., \$28; J. L., of N. Y., \$33; E. H., of Mich., \$13; J. O. S., of N. Y., \$25; W. P. B., of N. Y., \$75; A. P., of Chili, \$46; J. A. M., of N. Y., \$20; S. W., of N. Y., \$20; O. C., of N. Y., \$16; J. C. McD., of N. Y., \$20; J. C. B., of N. Y., \$20; A. M. G., of Mo., \$20; G. B. S., of N. Y., \$25; Z. W., of N. J., \$45; F. J. R., of Conn., \$45; F. H. M., of Mass., \$56; J. W., of Mass., \$45; S. A. P., of N. Y., \$20; G. H. D., of N. Y., \$20; L. K., of

- N. Y., \$20; E. M., of Conn., \$56; A. P. S., of N. Y., \$16; J. B. McC., of Mo., \$20; N. C. S., of Conn., \$20; J. T., of Wis., \$20; A. B., of Mich., \$20; S. L. H., of N. Y., \$16; W. S., of N. Y., \$16; J. G. B., of Mass., \$20; W. H. O., of Wis., \$20; G. H. R., of N. Y., \$20; P. C., of Pa., \$45; H. & B., of N. J., \$20; J. B., of N. Y., \$20; S. A. T., of Ohio, \$40; A. O., of Vt., \$16; H. W., of Canada, \$540; I. L., of N. Y., \$16; H. C., of Mich., \$28; J. T., of Pa., \$25; J. G. F., of Mass., \$15; G. M., of Conn., \$16; J. L. Q., of Pa., \$16; A. M. C., of Conn., \$16; J. W. Jr., of Wis., \$16; D. & S., of Pa., \$20; H. S. B., of La., \$15; G. R. H., of Mo., \$16; J. Z., of Ill., \$25; L. P., of Ind., \$215; R. L., of Ohio, \$25; G. S., of Pa., \$15; T. J. T., of Md., \$25; J. J. M., of Conn., \$25; G. T. B., of Mass., \$25; M. V. C., of Mass., \$16; H. L., of Iowa, \$25; N. A., of Ohio, \$25; R. G., of Mass., \$25; L. A. S., of Wis., \$20; W. E. R., of \$15; C. D. B., of N. Y., \$25.

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, Jan. 6, 1864, to Wednesday Jan. 13, 1864:—

- H. T. M., of N. Y.; A. S., of N. Y.; S. L. H., of N. Y.; J. L., of N. Y.; E. H., of Mich.; P. C., of N. Y.; J. O. S., of N. Y.; W. P. B., of N. Y.; H. W., of Canada; R. L., of Ohio; L. P., of Ind.; J. Z., of Ill.; E. C., of Mich.; J. T., of Pa.; T. J. T., of Md.; J. J. M., of Conn.; G. T. B., of Mass.; S. R. B., of Wis.; R. G., of Mass.; C. D. B., of N. Y.; F. & E. P. M., of Mass.

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.

PAGE'S PATENTED LIME KILN WILL BURN 300 bushels lime per day, with three cords wood or 1 1/2 iron coal, hard or soft. Address C. D. PAGE, Grand Rapids, Mich. 4 13*

NOTICE.—INVENTORS AND PATENTEEES WILL learn something greatly to their advantage by enclosing two three cent stamps to J. B. DOUGHTY, P. M., Rural Retreat, Coles Co. Ill. 4 1*

WANTED AN IRON PLANER THAT WILL PLANE about 15 feet long. Give price, capacity and description. Address J. W. LEBRAHAM, Frankfort road and Amber street, Philadelphia, Penn. 4 2*

NATIONAL PATENT OFFICE, L. C. HOTEET & CO., 229 Broadway, N. Y., for the sale of useful patents—with a moderate capital. Responsible county and traveling agents wanted at 25 per cent. commissions. All are invited to enclose stamp for monthly circular, in book form, free, containing references, notices of the press and full particulars. 4 1*

TO ENTERPRISING MECHANICS.—A GOOD AND cheap Washing Machine is needed everywhere. Such a machine, excelling in both ease of operation and efficiency, yet afforded at \$10, Boty's "Y. Clothes Washer," patented by W. M. DOTY, No. 428 Broadway, N. Y., proves to be. As it is constructed entirely of wood and easily made, and as Town Rights are offered for sale at rates so low that the profit on a single machine pays the right for about one hundred families. Mechanics and others are invited to consider this opportunity to both make money and do good with but little outlay. 4 1*

WHAT EVERY ONE OUGHT TO HAVE—ONE OF Parr's Tool Chests, fitted with complete sets of tools, sharpened and set ready for use and packed in cases for shipping, suitable for mechanics, amateurs, farmers and boys. Prices from \$2 to \$35 each, and containing from 8 to 92 tools, according to size. To be obtained of all hardware dealers or shipped on receipt of price by the manufacturer, GEORGE PARR, Buffalo, N. Y. Send for descriptive circular. 25 14*

THE NEW YORK EMERY WHEEL COMPANY ARE prepared to fill all orders for their improved Emery Wheels. Simple wheels sent on receipt of price as per circular. For cutting grinding a wheel will save its cost in one day's work. Smynaery by the keg, warranted pure and best quality. Office 51 Beak n street, New York. 4 4*

PATENT RIGHTS FOR SALE—ONE-HALF INTERest in Fowler's adding machine (used by all classes of business men), patented July 1863. Also half interest in Fowler's self-fastening coat and hat hook, patented Dec. 1863. They need only be seen to be appreciated; apply to the inventor, 37 Park Row, where the above can be seen. 1*

HYDROMETERS.—GRADUATED FOR TESTING THE specific gravity or quality of milk. Tells accurate proportion of water introduced. A glass instrument 9 inches long, neatly engraved and sent postpaid by mail upon receipt of 50 cents. Address HYDROMETER CO., Worcester, Mass. 4 2*

JACQUARD MACHINES, WITH APPURTENANCES manufactured and put up. Looms for narrow goods, from silk ribbon to cotton tape, built to order on the most approved principles. W. P. UMLINGER, No. 1,621 North Second street, Philadelphia, Pa. 4 5*

WANTED TO PURCHASE A MACHINE FOR SPLITTING and pointing wooden shoe pegs. State productive power and what patent. Address ENDLER, 237 West 18th street, New York. 1*

FOR DEAFNESS.—SOUND-MAGNIFYING TUBES.—They enable deaf persons to hear at public assemblies—and can be concealed from view. Send for a pamphlet to E. HASLAM, 32 John street, New York. 4 4*

VALUABLE WORKS ON DRAWING, &c.

- Warren's Manual for Draughtsmen, Artisans, &c., \$1 25. Warren's Manual of Linear Perspective, 75 cents. Mahan's Industrial Drawing, \$2 50. Smith's Topographical Drawing, \$1 50. Linear Perspective, \$1 50. Ruskin's Elements of Drawing, \$1. Elements of Perspective, 75 cents. Hand Book of Oil Painting, \$1 50. Coe's Progressive Lessons on Drawing (15 parts in cases each), 30c. Published and for sale by JOHN WILEY, 635 Broadway, New York. 1* * Mailed and prepaid on receipt of price.