

IMPORTANT TO INVENTORS.

PATENTS FOR SEVENTEEN YEARS.

MESSRS. MUNN & CO., PROPRIETORS OF THE SCIENTIFIC AMERICAN, continue to solicit patents in the United States and all foreign countries, on the most reasonable terms.



United States Patent Office, and with the greater part of the inventions which have been patented. Information concerning the patentability of inventions is freely given, without charge, on sending a model or drawing and description to this office.

THE EXAMINATION OF INVENTIONS.

Persons having conceived an idea which they think may be patentable, are advised to make a sketch or model of their invention, and submit it to us, with a full description, for advice. The points of novelty are carefully examined, and a written reply, corresponding with the facts, is promptly sent free of charge. Address MUNN & CO., No. 37 Park Row, New York.

PRELIMINARY EXAMINATIONS AT THE PATENT OFFICE.

The service we render gratuitously upon examining an invention does not extend to a search at the Patent Office, to see if like invention has been presented there, but is an opinion based upon what knowledge we may acquire of a similar invention from the records in our Home Office. But for a fee of \$5, accompanied with a model or drawing and description, we 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.

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 revised 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 duration of patents granted under the new act is prolonged to SEVENTEEN years, and the Government fee required on filing an application for a patent is reduced from \$30 down to \$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 issuing 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 half years.....\$10
On filing application for Design, seven years.....\$15
On filing application for design, fourteen years.....\$30

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 (but in cases of designs on the above terms. Foreigners cannot secure their inventions by filing a caveat; to citizens only is this privilege accorded.

During the last seventeen years, the business of procuring Patents for new inventions in the United States and all foreign countries has been conducted by Messrs. MUNN & CO., in connection with the publication of the SCIENTIFIC AMERICAN; and as an evidence of the confidence reposed in our Agency by the inventors throughout the country, we would state that we have acted as agents for at least TWENTY THOUSAND inventors! In fact, the publishers of this paper have become identified with the whole brotherhood of inventors and patentees at home and abroad.

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, under the new law, is \$10. A pamphlet of advice regarding applications for patents and caveats, printed in English and German, is furnished gratis on application by mail. Address MUNN & CO., No. 37 Park Row, New York.

ASSIGNMENTS OF PATENTS.

Assignments of patents, and agreements between patentees and manufacturers are 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 inventors or patentees 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.

REJECTED APPLICATIONS.

We are prepared to undertake the investigation and prosecution of rejected cases on reasonable terms. The close proximity of our Washington Agency to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, documents, &c. Our success in the prosecution of rejected cases has been very great. The principal portion of our charge is generally left dependent upon the final result.

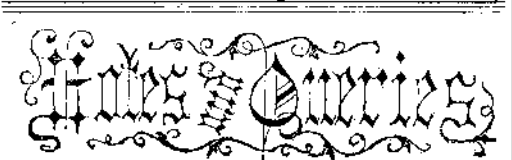
All persons having rejected cases which they desire to have prosecuted are invited to correspond with us on the subject, giving a brief story of the case, inclosing the official letters, &c.

FOREIGN PATENTS.

We are very extensively engaged in the preparation and securing of patents in the various European countries. For the transaction of this business we have offices at Nos. 66 Chancery Lane, London; 29 Boulevard St. Martin, Paris; and 26 Rue des Eperronniers, Brussels. We think we can safely say that THREE-FOURTHS of all the European Patents secured to American citizens are procured through the Scientific American Patent Agency, No. 37 Park Row, New York.

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 our Agency, the requirements of different Government Patent Offices, &c., may be had gratis upon application at our principal office, No. 37 Park Row, New York, or any of our branch offices.



[Many letters are addressed to us for information about the purchase of books, machinery and various other articles, also making inquiries about sundry things, requesting an answer through the paper. Such inquiries are generally of no interest to any one except the writer, hence we decline to use valuable space in our paper to notice them, and as no stamps are inclosed, the inquiries remain unanswered.

A. P. K. Jr., of C. W.—Boghead coal is a peculiar cannel coal found in Scotland. It is very rich in olefant gas and oil. "Water lime" is hydraulic cement, and is so named because it becomes hard under water. It is employed as the cement for cisterns, piers and concrete structures under water.

R. B., of Pa.—We were not aware that the shrunken band on the Parrot gun had any such effect as you propose, and cannot find any authority for believing the recoil of a gun to be affected by the form of the breech. Any increase of weight will diminish the recoil, but we cannot understand how any form of the breech can have such effect.

W. B. Le V., of Pa.—We have received your diagrams of the performance of two engines—one working steam at full stroke and the other cutting off at a point not stated—with descriptions attached and thank you for your attention. We have discussed this subject very fully at different times and shall refer to it again shortly, for which purpose we shall retain your evidence.

W. L. T., of N. H.—By procuring one of our recently issued pamphlets you will obtain all the information you need in regard to caveats. Upon receipt of six cents we will forward one by mail to your address.

L. T., of Mass.—You state that your invention has been in use since 1859, that you have reason to fear some other party has applied for a patent on it, and desire to know what are your rights in this matter. This is the old and oft-repeated story, several cases of the kind having within a short time been presented to us for our opinion. We have repeatedly stated in the columns of the SCIENTIFIC AMERICAN that the public use of an invention for more than two years prior to the application for the patent would invalidate the inventor's claim. You must, therefore, submit to this state of facts, and learn from it the truth of that old saying—"delays are dangerous and often fatal."

J. H. A., of Conn.—Paper parchment is not manufactured in America. The best method of rendering paper water-proof is to soak it in boiled linseed oil and dry it thoroughly. It may also be rendered water-proof with copal varnish, but it is not so elastic as the oil.

R. H. F., of Mass.—You may study all the books on engineering ever published and yet fail to become a reliable practical engineer. You must learn the business by actual practice first as a fireman and then as an engineer.

Money Received

At the Scientific American Office, on account of Patent Office business, from Wednesday, February 18, to Wednesday February 25, 1863:—

- N. S., of Ind., \$25; M. A. J., of Mass., \$25; F. B. B., of Ill., \$30; B. & B., of N. J., \$44; J. A. McC., of Ky., \$20; D. M., of Ind., \$12; J. B., Jr., of Mass., \$15; F. D. B., of Ind., \$15; W. H. B., of N. Y., \$15; A. S., of Conn., \$25; W. H. M., of Mo., \$25; G. B. McD., of Ky., \$17; E. B., of N. Y., \$20; F. W. R., of N. Y., \$10; W. K., of N. Y., \$25; M. F. G., of N. Y., \$3; J. R. D., of Wis., \$20; G. S., of Mass., \$25; T. M. C., of Maine, \$20; A. F. N., of N. Y., \$12; J. F. R., of N. Y., \$25; F. P. B., of N. Y., \$25; W. W. W., of Conn., \$15; H. U., of Conn., \$15; S. & B., of Ill., \$15; I. G., of Conn., \$290; G. H. S., of Iowa, \$25; G. C. B., of Ill., \$15; J. A. W., of Wis., \$35; W. C. H., of Ohio, \$15; D. C. S., of Conn., \$10; L. & E., of Ill., \$15; F. H. M., of N. Y., \$25; M. T. W., of Ky., \$15; J. M. D., of N. Y., \$45; M. & B., of N. Y., \$80; B. T. S., of Ill., \$20; R. B., of Mass., \$46; R. H. G., of N. Y., \$120; J. D. B., of Vt., \$20; R. F. C., of N. Y., \$20; W. B. F., of Mich., \$20; S. B. C., of N. Y., \$12; D. B. H., of N. Y., \$25; F. H. B., of N. Y., \$25; H. R., of Mass., \$12; C. O. L., of Vt., \$80; J. W., of Ill., \$70; S. C. S., of Ill., \$15; T. J. & J. H. McG., of Ohio, \$40; G. D., of Mass., \$50; J. R. B., of Ind., \$15; C. C. W., of Ill., \$15; F. L. S., of Pa., \$15; E. B., of Mo., \$25; R. J. & F. D. P., of Iowa, \$10; J. H., of N. Y., \$25; C. W. H., of N. Y., \$20; W. M., of N. Y., \$20; A. W. S., of N. Y., \$20; C. B., of Mich., \$20; A. R., of N. J., \$20; T. C. F., of N. Y., \$20; C. D., of Ill., \$20; C. D., of N. Y., \$15.

[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, and inform us 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, February 18, to Wednesday, February 25, 1863:—

- M. A. J., of Mass.; D. & T. W., of Cal.; A. B., of Mo.; G. D., of Mass.; J. H., of N. Y.; N. A., of Conn.; C. W. H., of N. Y.; M. F. G., of N. Y., (2 cases); R. H. G., of N. Y., (3 cases); T. C. McK., of Tenn.; F. P. S., of N. Y.; F. R. B., of Ill.; H. R., of Mass.; G. H. S., of Iowa; S. C. B., of Ill.; J. A. W., of Wis.; W. H. M., of Iowa; M. & B., of N. Y., (2 cases); R. B., of Mass.; A. F. N., of N. Y.; J. F. R., of N. Y.; F. H. B., of N. Y.; N. S., of Ind.; J. A., of Ky.; B. & B., of N. J., (2 cases); D. M., of Ind.; G. B. McD., of Ky.; E. B., of Mo.; W. K., of N. Y.; H. M., of N. Y.; S. B. C., of N. Y.; D. B. H., of N. Y.

RATES OF ADVERTISING.

Twenty-five Cents per line for each and every insertion, payable in advance. To enable all to understand how to compute the amount they must send in when they wish advertisements inserted, 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.

AL HERETOFORE UNSUPPLIED WANT.—THE NATIONAL ALMANAC and Annual Record for 1863, furnishing more full, accurate, recent and interesting information concerning the present condition of our country than has ever been issued in any single volume. In the extent, fullness and accuracy of its statistics, and the variety and completeness of its details, it is believed that the National Almanac far surpasses any previous statistical work on the United States, and that it must become such a hand-book of reference to every thing pertaining to our national condition as every person will need. Notwithstanding the large amount expended in getting up this work (over five thousand dollars), and the high price of paper, it is furnished at a very low price. 12mo, 700 pages, bound in Boards, price \$1, or substantially bound in muslin, \$1.25. Sent free, by mail, on receipt of price. Address GEORGE W. CHILDS, Publisher, 628 and 630 Chestnut street, Philadelphia, Pa. Agents wanted everywhere.

EXPERIENCED MACHINIST—A MACHINIST EXPERIENCED as foreman in some of the largest and best shops in England, is out of employment and desires to find a situation in a good shop in this country. He will strive to make his services of value to any party who may give him employment. Address W. S. CUNLIFFE, care of the SCIENTIFIC AMERICAN, New York.

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. UHLINGER, No. 1, 621 North Second street, Philadelphia, Pa.

PRACTICAL MECHANICAL ENGINEER OF TEN years' experience in designing railroad machinery, steam engines generally, and well-acquainted with the management of the different branches of a shop, desires a re-engagement. Address J. H. M., Box 3,028, New York City Post-office.

WANTED—SOME MACHINE-SHOP TO TAKE THE exclusive manufactory of Hadley's Patent Top Guide, consisting of cast-iron stand, steel spiral spring and wrought-iron collar. See cut in SCIENTIFIC AMERICAN, Vol. VII., No. 25. Address for two weeks, WM. S. MADLEY, care of the SCIENTIFIC AMERICAN Office, New York; after that, Newark, Hudson County, Ohio.

ANY PERSON HAVING A NEW OR SECOND-HAND Lathe for sale, that will swing 40 to 50 inches, are requested to address a line to Drawer 399, Post-office, Detroit, Mich.

FOR WOOD LATHES, SCROLL SAWS, SAW BENCHES and wood-working machinery, address J. A. FAY & CO., or E. C. TAINTER, succeeding partner, Worcester, Mass.

WANTED—VOL. VI., OR NOS. 3, 7, 9, 10 OF THAT volume of the SCIENTIFIC AMERICAN. Address C. A. SHAW, Biddeford, Maine.

BOLTS, NUTS AND WASHERS OF ALL SIZES Constantly on hand for sale by LEACH BROTHERS, 86 Liberty street, New York.

SNOW'S PATENT CASH BOXES FOR THE NEW Currency. Patented Oct. 21, 1862. Price 50 cents. Sent postpaid for \$1. Territorial rights for sale. Sold wholesale and retail by GEORGE K. SNOW & HAPGOOD, 22 Court street, Boston.

T. SHANKS, MACHINIST, SEWING MACHINE DEALER and Repairer. All kinds on hand for sale or exchange. No. 36 N. Green street, Baltimore, Md.

IRON PLANERS, ENGINE LATHES, DRILLS AND other machinists' tools, also three and four-spindle Drills of superior quality, on hand and finishing, for sale low. For description and price address NEW HAVEN MANUFACTURING COMPANY, New Haven, Conn.

WANTED—A GOOD SECOND-HAND STEAM ENGINE, 25 to 30 horse power. Address GULL & GARRISON, 74 Beekman street, New York, or 55 and 57 First street, Williamsburgh, L. I.

HOWARD ASSOCIATION, PHILADELPHIA, FOR the Relief of the Sick and Distressed, afflicted with Virulent and Chronic Diseases. Medical advice given gratis by the Acting Surgeon. Valuable Reports on serious Diseases, and on the NEW REMEDIES employed in the Dispensary, sent in sealed letter envelopes, free of charge. Address DR. J. SKILLNAN HOUGHTON, Howard Association, No. 2 South Ninth street, Philadelphia, Pa.