

The Patent Laws, enacted by Congress on the 21 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.

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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.

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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 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.

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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.

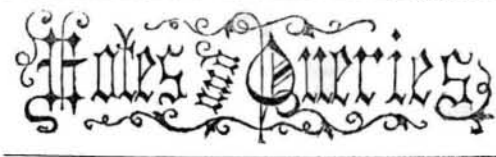
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MODELS are required to accompany applications for Patents under the new law, the same as formerly, except on design patents, when two good drawings are all that are required to accompany the petition, specification and oath, except the Government fee.

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.

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W. P., of Md.—Tallow and grease oils containing poisonous oxides have been applied to the bottom of iron ships to prevent them from rusting and the attacks of barnacles, but such a composition rubs off so easily that it is of very little use.

R. Y. W., of Conn.—Chilled iron turning tools are sometimes used for very hard thin pulleys, but, unless the chill is continued down through the surface to some distance, they do not last long.

J. H. R., of Mass.—Packing rings cannot be turned with accuracy after they have been cut off from the main ring. We do not know of any chuck that will hold them. A block of wood, with a groove turned in it, is the best thing you can use if you are obliged to re-turn your packing.

P. McN., of Pa.—Pulleys for belts are made high in the center of the face, so that the belt will run true as it is the tendency of a belt to find the highest point on the pulley. We thought every mechanic knew this.

J. L. P., of C. W.—You say you like our article on a certain subject very well, but see one or two places where it might be made clearer. No doubt! We have seen a great many persons who could edit a newspaper far better (in their own opinion) than the editor himself.

H. R. S., of N. Y.—Cast iron may be brazed to wrought iron very easily. We do not know of any cement as strong as iron itself.

F. R. S., of Wis.—You will find two very good Jonval wheels, suited for your fall of eight feet, illustrated on pages 164 and 273, Vols. III. (new series) of the SCIENTIFIC AMERICAN.

M. B., of N. Y.—From a given weight of hydrogen gas under combustion, a greater quantity of steam can be generated than from an equal weight of any other known combustible. A pound of pure carbon will evaporate 12½ pounds of water and convert it into steam of 15 pounds pressure on the square inch. One pound of good Pennsylvania anthracite is capable of raising 9½ pounds of water at 212° Fal. into steam.

J. B. C., of Conn.—Address H. C. Baird, Philadelphia, Pa., for a work on tinning, &c.

H. T., of Pa.—Superheated or dry steam was applied to the refining of iron twenty-four years ago, a patent for its use having been taken out in 1840, by Guest & Evans, in England.

G. H. M., of N. Y.—Admiral Foote was a naval officer, and as such commanded the gunboats at the attack on Fort Donelson. He co-operated with the military force under Gen. Grant, but reported to the Navy Department.

Money Received.

At the Scientific American Office, on account of Patent Office business, from Wednesday, Jan. 27, 1864, to Wednesday, Feb. 3, 1864:—

A. T., of N. Y., \$25; A. P., of N. Y., \$25; G. S., of N. Y., \$10; C. D., of N. Y., \$25; I. S., of N. Y., \$25; J. D., of N. Y., \$25; I. N., of N. Y., \$20; P. C., of N. Y., \$20; A. A. B., of N. Y., \$20; P. F. C., of Pa., \$20; E. M., of N. J., \$32; W. J. F., Jr., of N. Y., \$20; G. W. L., of Ohio, \$48; W. & W., of N. J., \$25; E. C., of Conn., \$10; A. Van B., of N. Y., \$16; C. H. H., of Mich., \$20; C. & O., of N. Y., \$16; L. S., of N. Y., \$41; S. N. T., of Wis., \$20; W. F., of Iowa, \$45; G. W. P., of N. Y., \$20; W. B., of Pa., \$45; G. M., of N. Y., \$20; G. M., of England, \$20; R. & C., of N. Y., \$16; W. N., of N. Y., \$16; L. H. W., of Mass., \$10; A. W. H., of Ill., \$20; A. L. S., of Conn., \$20; L. W. F., of Iowa, \$20; A. G., of N. Y., \$16; J. T., of N. Y., \$16; R. H. F., of N. Y., \$10; S. G. R., of N. Y., \$41; R. D., of Pa., \$20; D. E. C., of N. Y., \$20; H. & S., of Ill., \$20; H. W. C., of Va., \$16; C. B., of N. Y., \$16; L. H., of N. Y., \$16; G. A. M., of N. Y., \$41; W. M., of Ohio, \$20; C. M. M., of N. J., \$25; I. C., of Mo., \$15; S. G., of Mich., \$25; W. J. W., Jr., of Ill., \$16; J. B., of N. Y., \$5; A. M. C., of Conn., \$25; H. & T., of Pa., \$10; R. F., of Ind., \$20; J. F., of Ill., \$25; W. G., of Ohio, \$25; J. W. Jr., of Wis., \$25; J. N. H., of Ill., \$15; F. & H., of Pa., \$15; J. T., of Wis., \$25; G. E. W., of R. I., \$25; J. N. S., of Ill., \$16; S. D. E., of Pa., \$25; K. & E., of Iowa, \$25; A. S., of Iowa, \$25; L. S. F., of N. J., \$41; A. B. G., of Ill., \$16; S. & L., of Iowa, \$16; J. W., of Mass., \$16; W. C. H., of Ill., \$16; H. W. B., of Iowa, \$25; W. & J., of Mich., \$27; G. G. T., of Madeira, \$100; I. C. C., of Ohio, \$25; K. P. K., of Va., \$16;

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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. 27, 1864, to Wednesday Feb. 3, 1864:— A. T., of N. Y.; A. P., of N. Y.; G. S., of N. Y.; G. M., of Conn.; C. D., of N. Y.; I. S., of N. Y.; J. D., of N. Y.; L. S., of N. Y.; K. & E., of Iowa; T. & S., of Wis.; A. S., of Iowa; A. L., of Iowa; A. M. C., of Conn.; J. W. D., of Mich.; G. E. W., of R. I.; I. C. C., of Ohio; G. M. McD., of Ky.; W. C., of Wis.; J. B., of N. Y.; J. F., of Ill.; W. G., of Ohio; J. W. J., of Wis.; D. W., of Ill.; W. M., of Ohio; S. & G., of Mich.; G. T., of Madeira; S. D. E., of Pa.; C. D. H., of C. T.; W. & J. of Mich.; P. C., of Mass.; C. M. M., of N. J.; C. F., of Ill. (2 cases); G. A. E., of Mass.; I. C., of Mo.; J. T., [of Wis.]; C. J. F., of N. J.; C. R., of Ky.; L. S. F., of N. J.; R. C., of N. Y.; C. T. B., of N. J.; R. T. S., of N. Y.; L. R., of N. Y.; W. E. R., of Iowa; S. H. M., of Ill.; R. H. R., of N. Y.

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