# 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. They also attend to various other depart ments of business pertaining to pat ents. such as Extensions. Appeals before the United States Court. Interferences. Opinions relative to Infringements, &c. The long ex-perience Messrs. MUNN & Co. have had in preparing Specifications and Drawings has rendered them perfectly conversant with the mode of doing business at the

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 o 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, an submit it to us, with a fulldescription, for advice. The points of nov elty 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 a like inven has been presented there, but is an opinion based upon what vledge we may acquire of a similar invention from the records in tion b kn 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 taining a patent, sc., made up and maned to the inventor, with a pamphlet, giving instructions for further proceedings. These prelim-inary examinations are made through our Branch Office, corner of F and Seventh streets, Washington, by experienced and competent per sons. Many thousands of such examinations have been made through this office. 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 tible of one ; or, if the invention is a chemi cal production, if susc he must farnish 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 draft on New York, payable to theorder of MUNN & CO. Persons who live in remote parts of the country can asually purchase drafts from their merchants on their New York correspondents : but, if not convenient to do so, there is but little risk in sendingbank-bills by mall, having the letter registered by the postmaster. Address MUNN & CO., No. 37 Park Row, New York.

The revised Patent Laws, enacted by Congress on the 2d of March, 861, are now in full force, and prove to be of great benefit to all par ies who are concerned in new inventions.

The duration of patents granted under the new act is prolonged to SEVENTEEN years, and the Government fee requiredon filing an appli-cation for a patent is reduced from \$30 to \$15. Other changes in the feesare also made as follows -

On filing each Caveat\$10	
On fling each application for a Patent, except tors design 512	
On issuing each original Patent	
On appeal to Commissioner of Patents	
On application for Re-issue\$30	
On application for Extension of Patent	
On granting the Extension	
On fitter 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	
On ming application for design, routices years.	

The law abolishes discrimination in fees required of foreigners, ex cepting natives of such countries as discriminate against citizens of the United States-thus allowing Austrian, French, Belgian, English, ian. 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 inventiona by filing a cave act, to citizens only is this privilege accorded. During the last seventeen years, the business of procuring Patent

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 AMERICA N; and as an evidence of 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. Thousands of inventors for m we have taken out patents have addressed to us most flatter ing testimonials for the services we have rendered them, and the wealth which has inured to the inventors whose Patents were se. rough this office, and afterwards illustrated in the SCIEN. TIFICAMERIOAN, would amount to many millions of dollars! We would state that we never had a more efficient corps of Draughtsmen and Specification Writers than those employed at present in our extensive offices, and we are prepared to attend to patent business of all kinds in the quickest time and on the most liberal terms

#### REJECTED APPLICATIONS.

Weare prepared to undertake the investigation and pro cution of rejected cases on reasonable terms. The close proximity of our The close portainty of our second terms. The close portainty of our single a second cases of resolution to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, decomments, &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.

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

# CAVEATS

Persons desiring to file a caveat can have the papers prepared in the ortest time by sending a sketch and description of the invention. e Government fee for a caveat, under the new law, is \$10. A pame phlet 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.

### FOREIGN PATENTS.

We are very extensively engaged in the preparation and securing f patents in the various European countries. For the transaction of this business we have offices at Nos. 66 Chancery lane. London : 20 Roule vard St. Martin, Paris ; and 26 Rue des Eperonniers, Brus We think we can safely say that THREE-FOURTHS of all the sels. 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 pat-Circulars of information concerning the proper course to be pur-

ued in obtaining patents in foreign countries through our Age the requirements of different Government Patent Offices, &c., may be had gratis upon application at our principal office. No. 37 Park ow, New York, or any of our branch of

#### ASSIGNMENTS OF PATENTS.

Assignments of patents, and agreements between pa 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, whereany questions regarding the rights of patentees will be cheerfully anwered.

Commun ons and remittances by mail, and models by express (prepaid), should be addressed to MUNN & CO., No. 37 Fark Row,



L. M. B., of Mich.-Sulphate of potassa is the best mor dant known to us for hair dye-using nitrate of silver as the coloringagent. Gallic acid is a disagreeable mordant. To clean bleslab first use soap and whitening; then rub off aud polish with a piece of leather. Iron stains may be removed from marble with a solution of oxalic acid; but it renders the surface of the marble rough

W. W. D., of Conn.-The armor plates and turrets of the Reaches weigh over fourteen hundred tuns, all of which has to be sustained by the framing of the vessel. The framing, however, is very strong

R. H., of N. Y .- In making your currant wine, use about one pint of sugar to one quart of the juice of the currants, and the progress of the fermentation, daily, so as to check it at the right point. If you allow it to proceed too far, it will acquire a taste inegar flavored with smoke.

W. C. T., of N. J.-Some gardeners use a soft brush for removing aphides from rare and delicate plants, in cases where fu migation would be too troublesome. We advise you to try this plan or yours.

H. L. V., of Cuba .- The oscillations of the barometer are more limited in tropical than in northern climates, but they are just as regular. In Cuba a disturbance of the mercury, equal to that which occurs in the North before a slight thunder-storm, is a sure precursor of a terrific hurricane. By close attention to a barometer. you will discover this to be the case.

At the time of going to press with our last issue we had the usual weekly lot of specifications, drawings and models, packed and ready to send to the Patent Office. But owing to the rolous turmoil raging in the city on that day, we were compelled to withhold the shipment for a day or two, until law and order were restored. This unis for the absence from the last number of our usual list of nowledgments. We believe it is the first occasion during fifteen years that an omission of this kind has occurred.

## Money Received

At the Scientific American Office, on account of Patent Office business, from Wednesday, July 8, to Wednesday, July 22, 1863 :---

G. A., of Mich., \$26; R. R. B., of N. Y., \$16; R. W., of Conn G. A., of Mich., \$20; R. K. B., of N. Y., \$16; R. W., of Conn. \$150; H. P., of Me, \$25; J. S. G., of N. Y., \$16; O. F. O., of Mass., \$25; G. McG., of Ohio, \$16; J. M., of Wis., \$12; P. B., of III., \$15; I. H., of Wis., \$26; A. S., of N. Y., \$16; B. and C., of R. I., \$50; N. F. C., of Wis., \$25; W. M., of Mass., \$30; N. B. B., of N. Y., \$16; J. T. of Wis., \$65; W. McK., of Pa., \$25; S. W. P., of Mass., \$16; C. M. L., of N. H., \$20; A. S. M., of 111., \$20; C. C. S., of 111., \$20; A. S. M., of 111., \$20; C. C. S., of 111., \$20; J. T. W., of N. J., \$16; J. B. T., of N. Y., \$20; J. W. D., of N. Y., \$36; J. P., of N. J., \$41; J. G., of 111., \$20; S. S. A., W. D., of Mass., \$20; T. R. T. of N. J., \$55; S. S. and D. C., of Ill., \$20; W. T., of N. Y., \$10; J. C. C., of N. Y., \$314; S. and B., of N. Y., \$10; C. D. S., of N. Y., \$25; W. C. H., of Obio, \$25; C. D. B., of Mich. 525; J. W., of Ill., \$43; W. C. H., of Old, \$26; J. H. C., of Ky., \$25; J. W., of Ill., \$40; F. M., of C. W., \$16; J. H. C., of Ky., \$25; W. K. S., of Pa., \$25; T. H. B., of Mass., M. and S., of Pa., \$25; W. K. S., of Pa., \$25; T. H. B., of Mass., \$16; J. H. R., of Conn., \$12; B. F. H., of N. Y., \$25; H. B., of Pa., \$16; C. D., of Mo., \$25; A. J. A., of Ill., \$15; R. H. L., of Pa., \$20; O. H. K., of Saxony, \$20; J. V. V. B., of N. Y., \$41; C. F. B., of N, Y., \$10; P. P., of N. V., \$30; A. C. C., of N. Y., \$41; J. McH., of Ohio, \$20; J. P., of N. Y., \$10; S. and M., of Iowa, \$20; H. H. J., of Conn., \$20; M. W. W., of Mo., \$16; J. J. R., of N. Y., \$16; C. T. D., of N. J., \$20; A. B., of N. J., \$41; J. H. M., of Ind., \$20; E. B. B., of N. J., \$20; G. H. S., of Mass., \$25; A. B., of Mich., \$25; J. B. C., of Mass., \$25; M. C. B., of Ill., \$16; S. L. G., of N. Y., \$25; B. L. of N. Y.

Vt. \$133; I. E. P., of Conn., £30; J. K., of Iowa, \$16; J. D., of Ill., \$41; S. H. M., of Cal., \$11; K. C. and R., of Wis., \$10; B. F. W., of N Y., \$30; J. C., of Maine, \$20; T. L. C., of N. Y., \$25; J. G. R., of Cal. 53; M. F. W., of III., \$26; A. S., of II., \$20; J. B., of Ind., \$20; I. L., of N. Y., \$20; O, P., of Vt., \$20; A. and C. K., of N. Y., \$41; F. D. B., of I.d., \$20; J. H., of Cal., \$41; C. R., of Mich., \$20; A. K., of N. Y., \$41; G. G. H., of Con, \$20; F. W. H., of Canada, \$20; J. C., of Ohio, \$20; L. and B., of Ohio, \$51; A. M. M., of N. Y., \$16; J. C. W., of N. Y., \$20; T. S. T., of Ind., \$20; J. H. L. T., of Ill, \$20; O. A., of N. Y., \$25; B. C. N., of Ill., \$12; A. S., of N. Y., \$15; J. V. V. B., of N. J., \$25; J. P., of N. J., \$25; A. M. M., of N. Y., \$25; W W. T., of Wia, \$15; J. W. K., of Mass., \$25; H. E., of N. Y., \$20; A. B., of N. Y., \$25; T. B., of N. Y., \$25; J. H. B., of N. Y., \$26; J. T. W., of N. J., \$25; T. R. T., of N. Y., \$35; A. J. S., of Il1, \$16; J. S. G., of N. Y., \$25; A. C. F., of N. Y., \$20; E. O. B., of N. Y., \$25; R. F. W., of N. Y., \$25; A. K., of N. Y., 25; F. J., of Wis., \$25; J. W., of Iows, \$31: A.C.B. of N.Y. \$10.

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 asknowledgment by mail, and their initials are not to bot received an acknowledgement of main, and that intrast also be to be found in this list, they will please notify us immediately, and in-form us the amount, and howit was sent, whether by mail or er-----

# Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Pate Office from Wednesday, July 8, to Wednesday, July 22, 1863:-

A. aud C. K., of N. Y.; A. B., of N. Y.; 'f. B., of N. Y.; P. M. R. of Cal; A. S., of N. Y.; A. K., of N.Y.; A. M. M., of N. Y.; F. J., of Wis.; J. T., of Wis. (2 cases); C. D., of Maine; J. G. R., of Colorado Territory; P. S., of Mich.; J. H. K., of Conn.; C. D. S., of N. Y.; A. B., of Mich.; G. H. S., of Mass.; W. C. H., of Ohio; A. and M., of Wis.; I. H., of Wis.; A. C. C., of N. Y.; E. O. B., of N. Y.; B. C. N., of Ill.; J. H. B., of N. Y.; J. V. V. B., of N. J.; J. P., of N. J.; J. W., of Iowa; J. M., of Cal.; W. M., of Mass.; B. F. H., of N. Y.; N. F. C., of Wis.; J. H. C., of Ky.; S. L. G., of N. Y.; or N. Y.; N. F. C., of Wis.; J. H. C., of Ky.; S. L. G., of N. Y.; W. F. O., of Mass.; J. B. C., of Conn.; J. M., of Ill.; W. R. S., of Pa., G. A., of Mich.; J. W. D., of N. Y.; O. A., of N. Y.; R. F. W., of N. Y.; J. T. W., of N. J.; T. R. P., of N. Y.; J. W. K., of Mass.; J. S. G., of N. Y.; E. D. B., of N. Y.; M. F. W., of Ill.; W. McK., of Pa.; T. L. C., of N. Y.; R. and H., of Oblo; H. P., of Maine; C. D. B. of Mich.; W. M. B., of Ind.; M. and S. of Pa.; S. H. M., of Ill.

# TO OUR READERS.

PATENT CLAIMS .- Persons desiring the claim of any invention which has been patented within thirty years, can obtain copy by addressing a note to this office, stating the name of the pat-entee and date of patent, when known, and inclosing \$1 as fee for copying. We can also furnish a sketch of any estented machine issued 1863, to accompany the claim, on receipt of \$2. Address MUNN & CO., Patent Solicitors, No. 37 Park Bow, New York.

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 Gover nme nt fee.

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

NEW PAMPHLETS IN GERMAN .- We have just issued a reon of our pamphletof Instructions to In entors, con a digest of the fees required under the new Patent Law, &c., printed in the German language, which persons can have gratis upon cation at this office. Address MUNN & CO., appll-

No. 37 Park-row, New York.

# 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 ner resords the doings of the United States Fatest Unice, it is read by a large class of its patrons, lawyers and others, for reference me complaints have been made that our past mode of binding in cloth is not serviceable, and a wish has been expressed that we would dopt 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 our readers, we commenced on the expirat ortion of ion of Volume VII, to bind the sheets sent to us for the purpose in heavy orard sides, covered with marblepaper 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

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

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