

PATENTS FOR SEVENTEEN YEARS.



The new 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:—

Table listing various patent fees: On filing each caveat, \$10; On filing application for a Patent, \$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 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 law abolishes discrimination in fees required of foreigners, excepting reference to 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.

During the last sixteen 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 more than FIFTEEN 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 whom we have taken out Patents have addressed to us most flattering testimonials for the services we have rendered them, and the wealth which has inured to the Inventors whose Patents were secured through this Office, and afterward illustrated in the SCIENTIFIC AMERICAN, would amount to many millions of dollars! We would state that we never had a more efficient corps of Draughtsmen and Specification Writers than are 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.

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 reply written corresponding with the facts, 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 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 ac., made up and mailed to the Inventor, with a pamphlet, giving instructions for further proceedings. These preliminary examinations are made through our Branch Office, corner of F and Seventh-streets, Washington, by experienced and competent persons. More than 6,000 such examinations have been made through this office during the past three years. Address MUNN & CO., No. 37 Park-row, N. Y.

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 prepaid. 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 the order of 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.

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 Eperonniers, Brussels. We think we can safely say that THREE-FOURTHS of all the European Patents secured to American citizens are procured through our 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 our Agency, the requirements of different Patent Offices, &c., may be had gratis upon application at our principal office, No. 37 Park-row, New York, or either of our Branch Offices.

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.

Assignments of Patents.

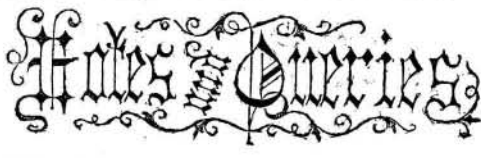
The assignment of Patents, and agreements between Patentees and manufacturers, carefully prepared and placed upon the records at the Patent Office. Address MUNN & CO., at the Scientific American Patent Agency, No. 37 Park-row, New York.

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.

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, in English and German, furnished gratis on application by mail. Address MUNN & CO., No. 37 Park-row, New York.



J. H. P. of N. Y.—We have received your note and inclosure, and thank you for your complimentary reference to the SCIENTIFIC AMERICAN. As regards the frictional gearing for your purpose we think it an excellent feature; there are however, some machines such as yours driven through the same agency; of such is Seth Borrens', made in Newark, N. J.; he does not use grooved wheels, however. We cannot tell you the size necessary as there is no work on that subject published. They will not vary greatly from the toothed wheels; they will require to be protected from grease, so that their surfaces will remain dry and bright. It would be necessary, obviously, to know the construction of your valve and the resistance which has to be overcome by the drivers. Experiment will demonstrate better than any other rule which sizes are most desirable. The best packing in our opinion for small stuffing-boxes is an elastic gasket; that is, one having a center of india-rubber, wound outwardly with cotton wick; this clings to the rod and does not require much compression. We do not know the variety you speak of. The "Practical Draughtsman" is the best work you can get for learning to draw. Farrell & Son, Fulton Street, N. Y., are the publishers. Good drawing instruments can be had of any of the philosophical instrument dealers at a very much less price than the one mentioned by you.

O. D. M., of N. Y.—The silk from the ordinary milkweed is not adapted to the making of paper, as a substitute for rags. The fiber is too short and has but little tenacity.

T. C., of Conn.—The steamboat Daniel Drew has made 23 miles per hour for seven consecutive hours. The City of Buffalo has made 23½ and 24 miles per hour for short distances on Lake Erie. Our ocean steamers have made as high as eighteen miles per hour on occasions; these however, are very rare. They do very well to average 12 miles per hour.

M. T. & Co., of C. E.—You state that you intend to construct an air chamber around your boiler furnace to admit cold air to it at a lower level than you take off the hot air to warm your factory, but that the hot-air pipe will have to dip lower down than the inlet cold-air pipe; and you inquire if it will have sufficient draft. We think it will operate if you make your inlet cold-air pipe smaller than the exit hot-air pipe, so as to relieve the inlet pipe from back pressure.

E. C. M., of —. It is possible to cast cannon or a body of metal of any shape by the method you mention, but whether they would be good for anything is a question which would have to be determined by experiment.

H. T. W., of Ohio.—To obtain the silver from the clippings of sensitive photographic paper, first burn them, then collect their ashes, place them in a crucible with some borax, nitre or carbonate of potash, and subject the crucible for about two hours to a bright red heat. The silver will then be found in the form of a metallic button at the bottom of the crucible.

Money Received

At the Scientific American Office on account of Patent Office business, from Wednesday, December 24, to Wednesday, December 31, 1862: F. M. C., of N. Y., \$20; F. S. B., of Iowa, \$20; S. H., of Ind., \$20; M. H. F., of N. Y., \$20; C. & M., of N. Y., \$120; A. J. E., of N. Y., \$20; W. T. M., of Ill., \$20; H. H. E., of Conn., \$20; S. H., of Ind., \$20; B. T. B., of N. Y., \$45; T. P., of N. Y., \$20; N. A., of Conn., \$20; J. P. D., of Iowa, \$20; N. P., of N. Y., \$45; G. B. M., of Pa., \$45; J. C. C., of Mass., \$20; P. B., of N. Y., \$15; C. W. C., of Pa., \$20; T. C. V., of N. Y., \$20; H. B. F., of N. Y., \$25; D. I. S., of N. Y., \$25; L. S., of N. Y., \$15; M. & B., of Ill., \$30; B. & H., of N. Y., \$15; W. J. S., of N. J., \$40; V. & P., of Mass., \$15; J. F. R., of Pa., \$25; C. B. R., of Pa., \$10; W. F. Q., of Del., \$25; G. M. H., of Ill., \$25; D. M., of Ind., \$10; P. J. C., of Conn., \$25; P. A. C., of Mass., \$25; D. C. G., of Pa., \$15; H. E. P., of Conn., \$25; E. F. C., of Mass., \$15; P. & G. K., of Mass., \$10; H. B., of N. J., \$30; T. H. C., of N. H., \$15; J. D. H., of Pa., \$10; G. W. R., of Ill., \$12; S. C. H., of Mass., \$50; J. R. S., of Va., \$25; S. & B., of N. Y., \$75; A. T., of Wis., \$15; P. M. G. Co., of Conn., \$60; J. R. S., of Pa., \$15; J. A., of N. Y., \$25; J. E., of Conn., \$15; H. D. B., of Vt., \$28; C. St. J., of Mass., \$27; A. Le B., of Paris, \$100; R. E., of Ill., \$15; B. F. A., of Iowa, \$20; C. N. B., of Pa., \$25; G. Van N., of Mass., \$30; J. H., of

Pa., \$25; T. S. D., of N. J., \$315; L. O. C., of Pa., \$50; H. L. C., of N. Y., \$25; F. W. G., of N. Y., \$15; G. S., of N. Y., \$25; T. W. B., of N. J., \$25; R. W., of N. Y., \$25; J. R. D., of Wis., \$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 December 24, to Wednesday, December 31, 1862:—

H. B. F., of N. Y.; D. I. S., of N. Y.; L. S., of N. Y.; L. A., of Cal.; W. J. S., of N. J.; J. A., of N. Y.; T. W. B., of N. J.; Q. & L., of Del.; P. J. C., of Conn.; P. A. C., of Mass.; T. D. L., of N. H.; J. F. R., of Pa.; H. E. P., of Conn.; H. B., of N. J.; P. & G. K., of Mass.; L. D. C., of Mich.; G. M. H., of Ill.; T. J. H., of N. Y.; G. S., of N. Y.; R. W., of N. Y.; G. W. R., of Ill.; J. D. H., of Pa.; F. W. G., of N. Y.; S. C. H., of Mass. (2 cases); J. A., of N. Y.; C. St. J., of Mass.; H. L. C., of N. Y.; J. R. S., of Va.; L. O. C., of Pa. (2 cases.)

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.

NOW IS THE TIME TO SUBSCRIBE FOR THE BEST paper for the times! Moore's Rural New Yorker, the Leading and most Popular Farm and Fireside Journal in America, will enter upon its Fourteenth Year and Volume in January, 1863. In all the essentials of a first-class Agricultural, Horticultural, Literary and Family Newspaper, combined, the Rural has long been pronounced, by both Press and People, the best of its class, and the immense circulation it continues to maintain throughout the United States, Canada, &c., proves that the War for the Union has not diminished its standing or popularity. Our aim will be in the future, as it ever has been in the past, to make it superior in all respects, and unquestionably the most useful home journal published in America! Always Loyal, Practical and Progressive, the Rural New Yorker has long been the Favorite Agricultural and Family Weekly—largely read and ardently admired in both Town and Country. Its ample pages comprise Departments devoted to, or which treat ably and fully upon Agriculture, Architecture, Education, Literature, Horticulture, Rural Economy, Arts and Science, General News, with various minor Departments, and including numerous Illustrations, Tales, Sketches, Music, Poetry, Enigmas, &c.—rendering the paper instructive and entertaining to the various members of the Family Circle.

The War News, Markets, &c., receive special attention; the Rural New Yorker containing Reports of the principal Grain, Provision, Cattle, Wool and Fruit Markets in the country. Remember that the Rural New Yorker is published Weekly in one of the very best cultivated sections of America, and that its Editors, Contributors and Correspondents strive to promote the Pecuniary Interest and Home Welfare of its tens of thousands of readers.

Its Western Corresponding Editor, Chas. D. Bragdon, Esq., whose "Western Editorial Notes," have attracted much attention and been widely copied during the past year, will hereafter devote still more time and thought for the benefit of the Rural New Yorker and its readers.

Style, Form, Terms, &c.—Volume XIV, for 1863, will maintain the enviable reputation the Rural New Yorker has acquired for both Contents and Appearance. It will be published in Superior Style—with New Type, good white Paper, and many fine Illustrations. Its Form will continue the same as now—Double Quarto—with an Index, Title-page, &c., at close of year, complete for binding.

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