

Practical Hints to Inventors.

MUNN & CO., Publishers of the SCIENTIFIC AMERICAN have devoted the past twenty-five years to the procuring of Letters Patent in this and foreign countries.

How Can I Obtain a Patent?

It is the closing inquiry in nearly every letter, describing some invention which comes to this office. A positive answer can only be had by presenting a complete application for a patent to the Commissioner of Patents.

How Can I Best Secure My Invention?

This is an inquiry which one inventor naturally asks another, who has had some experience in obtaining patents. His answer generally is as follows and correct: Construct a neat model, not over a foot in any dimension—smaller if possible—and send by express, prepaid, addressed to MUNN & Co., 37 Park Row New York.

Preliminary Examination.

In order to have such search, make out a written description of the invention, in your own words, and a pencil, or pen and ink, sketch. Send these with the fee of \$5, by mail, addressed to MUNN & Co., 37 Park Row, and in due time you will receive an acknowledgment thereof, followed by a written report in regard to the patentability of your improvement.

To Make an Application for a Patent.

The applicant for a patent should furnish a model of his invention, if susceptible of one, although sometimes it may be dispensed with; or, if the invention be a chemical production, he must furnish samples of the ingredients of which his composition consists.

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 Govern-

ment 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., 37 Park Row, New York.

Reissues.

A reissue is granted to the original patentee, his heirs, or the assignees of the entire interest, when, by reason of an insufficient or defective specification, the original patent is invalid, provided the error has arisen from inadvertence, accident, or mistake without any fraudulent or deceptive intention.

A patentee may, at his option, have in his reissue a separate patent for each distinct part of the invention comprehended in his original application by paying the required fee in each case, and complying with the other requirements of the law, as in original applications. Address MUNN & Co., 37 Park Row, for full particulars.

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Any person or firm domiciled in the United States, or any firm or corporation residing in any foreign country where similar privileges are extended to citizens of the United States, may register their designs and obtain protection. This is very important to manufacturers in this country, and equally so to foreigners. For full particulars address MUNN & Co., 37 Park Row, New York.

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MUNN & Co. have solicited a larger number of European Patents than any other agency. They have agents located at London, Paris, Brussels, Berlin, and other chief cities. A pamphlet pertaining to foreign patents and the cost of procuring patents in all countries, sent free.

MUNN & Co. will be happy to see inventors in person, at their office, or to advise them by letter. In all cases, they may expect an honest opinion. For such consultations, opinions, and advice, no charge is made. Write plain; do not use pencil, nor pale ink; be brief.

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In all matters pertaining to patents, such as conducting interferences, procuring extensions, drawing assignments, examinations into the validity of patents, etc., special care and attention is given. For information, and for pamphlets of instruction and advice,

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MUNN & CO.,

PUBLISHERS SCIENTIFIC AMERICAN,

37 Park Row, New York.

OFFICE IN WASHINGTON—Corner F and 7th streets, opposite Patent Office.

FOREIGN PATENTS—A HINT TO PATENTEES.

It is generally much better to apply for foreign patents simultaneously with the application in the United States. If this cannot be conveniently done, as little time as possible should be lost after the patent is issued, as the laws in some foreign countries allow patents to any who first make the application, and in this way many inventors are deprived of valid patents for their own inventions.

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Circulars, with full information on foreign patents, furnished free.

Inventions Patented in England by Americans.

[Compiled from the Commissioners of Patents' Journal.]

From May 3 to May 13, 1872, inclusive.

- CARDING ENGINE.—J. F. Foss, Lowell, G. E. Taft, Worcester, Mass. CENTRIFUGAL MACHINE.—J. Cattle, Boston, Mass. CLAMP FOR JOINING ROPES.—T. H. Alexander, Washington, D. C. COMPOSITION STONE.—J. Anderson, New York city. COMPRESSING METALLIC ARTICLES.—J. B. West, Genesee, N. Y. CURING TOBACCO.—J. D. Culp, Gilroy, Cal. ELECTRIC TORCH.—W. W. Batchelder, New York city. EYELET MACHINE.—J. E. Wiggin (of Massachusetts), Middlesex, Eng. KNITTING MACHINE, ETC.—W. R. Ramsell and J. E. Crane, Lowell, Mass. LUBRICATING COMPOUND.—B. French, Rochester, N. Y. MAKING NETS.—G. B. Lewis, W. M. Ward, East Boston, Mass. PNEUMATIC SIGNAL.—A. G. Myers, New York city. PRINTING TELEGRAPH.—T. A. Edison, Newark, N. J. PUDDLING APPARATUS.—H. A. V. Post. ROTARY ENGINE.—G. B. Massey, New York city. SPINNING MULE.—J. Sutherland, East Hampton, Mass. STEELIFYING IRON.—T. Sheehan, Dunkirk, N. Y. TRACTION ENGINE.—G. W. Fitts, Philadelphia, Pa. TREATING CORN, ETC.—G. M. Wells, Boston, Mass. VISE.—A. P. Stephens, Brooklyn, N. Y.

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This new magazine occupies a large and important field, and is likely to obtain a very wide circulation. It presents a handsome appearance, its contents are varied and interesting, and if maintained on the present standard can hardly fail to prove a success. We heartily wish for it a prosperous and a useful career.

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Advertisements.

RATES OF ADVERTISING.

Back Page - - - - - \$1.00 a line, Inside Page - - - - - 75 cents a line or each insertion.

Engravings may head advertisements at the same rate per line, by measurement, as the letter-press.

The value of the SCIENTIFIC AMERICAN as an advertising medium cannot be over-estimated. Its circulation is ten times greater than that of any similar journal now published. It goes into all the States and Territories, and is read in all the principal libraries and reading-rooms of the world. We invite the attention of those who wish to make their business known to the unmeasured rates. A business man wants something more than to see his advertisement in a printed newspaper. He wants circulation. If it is worth 25 cents per line to advertise in a paper of three thousand circulation, it is worth \$2.50 per line to advertise in one of thirty thousand.

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This Lamp has been adopted and in use in the city of New York for over a year. See what the Presidents of the leading gas-light companies say of them: "I have not seen any lamp to equal the Bartlett, either in this country or in Europe. They are stronger, and in every way superior." (Signed) CHARLES ROOME, President Manhattan Gas-light Company.

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STEPTOE, McFARLAN & CO., Manufacturers of the most improved Patent Dies, Woodworth & Farner Planers, Sash and Moulding, Tenoning and Mortising Machines, Wood-carving Lathes, and every variety of Wood-working Machinery. Catalogue and price sent on application. Warehouse and Machinery, No. 211 to 223 West Second Street, Cincinnati, O.

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The only wheel that gives full percentage when only one fourth gate is used. No complications. WM. J. VALENTINE, Ft. Edward, N. Y. Prices reasonable.

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AUSTRALIAN COLONIES. BENCRAFT & SMITH, Solicitors and Patent Agents, Melbourne, Victoria. Agencies in all the Colonies. References—New York: John Stephenson & Sons. Melbourne: United States Consul. Powers of attorney to Charles Chichester Bencraft.

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