THE RISE AND PROGRESS OF INVENTIONS



During the period of Fourteen Years which has ed since the business of procuring patents for inventors was nenced by MUNN & Co., in connection with the publication of elapsed siz this paper, the number of applications for patents in this country and oad has yearly increased until the number of patents issued at United States Patent Office last year (1859) amounted to 4,538; a hr while the number granted in the year 1845-fourteen years ago numbered 502--only about one-third as many as were granted to our own clients last year; there being patented, through the Scien-tific American Patent Agency, 1,440 during the year 1859. The increasing activity among inventors has largely augmented the number of agencies for trausacting such business.

In this profession, the publishers of this paper have become iden tified with the universal brotherhood of Inventors and Patentees at home and abroad, at the North and the South; and with the increased activity of these men of genius we have kept apace up to this time, when we find ourselves transacting a larger business in this profession than any other firm in the world. We may safely assert that no concern has the combined talent

and facilities that we possess for preparing carefully and correctly applications for patents, and attending to all business pertaining thercto.

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

PRELIMINARY EXAMINATIONS AT THE PATENT OFFICE. The advice we reuder 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 our long experience, and 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 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. These preliminary examinations are made through our Branch Office, corner of F and Seventh streets, Washington, by experienced and competent persons. Over 1,500 of t examinations were made last year through this office, and as a Over 1,500 of thes sure of prudence and economy, we usually advise inventors to have a preliminary examination made. Address MUNN & CO., No. 37 Park-row, New York.

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Persons desiring to file a caveat can have the papers prepared on reasonable terms, by sending a sketch and description of the inven-tion. The government fee for a caveat is \$20. A pamphlet of advice regarding applications for patents and caveats furnished gratis on application by mail. 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 inven ion, if susceptible of one; or if the invention is a chemical produc tion, if tion, he must furnish samples of the ingredients of which his compo sition is composed for the Patent Office. These should be securely packed, the inventor's name marked on them, and sent, with the government fee, by express. The express charges should be prepaid. Small models, from a distance, can often be sent cheaper mail. The safest way to remit money is by draft on New York, parable to 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 butlittle risk in sending bank bills by mail, having the letter registered by the postmaster. Address MUNN & CO., No. 37 Park-row New York.

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All persons having rejected cases which they desire to have pros-ecuted are invited to correspond with us on the subject, giving a brief history of their case, enclosing 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 o this business we have offices at Nos. 66 Chancery Lane, London; 29 evard 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

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.

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CAUTION TO INVENTORS. MUNN&CO. wish it to be distinctly understood that they

neither buy nor sell patents. They regard it as inconsistent with a

proper management of the interests and claims of inventors, to partiproper management of the interests and claims of inventors, to part a cipate in the least apparent speculation in the rights of patentees They would also advise patentees to be extremely cautious into whose hands they entrust the power to dispose of their inventions. Nearly fifteen years' observation has convinced us that the selling of pat-ents cannot be conducted by the same parties who solicit them fo others, without causing distrust.

BUSINESS CONDUCTED CONFIDENTIALLY.

We would inform inventors that their communications are treated with the utmost confidence, and that the secrets of inventors confided to us are never divulged, without an order from the inventor or his acknowledged representative.

TESTIMONIALS.

The annexed letters, from the last three Commissioners of Patents, e commend to the perusal of all persons interested in obtaining

we commen Patents:-Messre

Mesers. MUNN & Co.:-Gentlemen : It gives me much pleasure to y that, during the time of my holding the office of Commissioner say that, during the time of my holding the office of Commissioner of Patents, a very lurge proportion of the business of inventors be-fore the Patent Office was transacted through your agency, and that I have ever found you faithful and devoted to the interests of your clients, as well as eminently qualified to perform the duties of Patent Attorneys with skill and accuracy. Very respectfully, Your obedient servant, WM. D. BISHOP.



CORRESPONDENTS sending communications for publication in our columns are requested to avoid writing on both sides of

- et of paper. This fault, though common to persons una tomed to writing for the press, gives great trouble to the printer (especially in long articles), and, when combined with illegibility of handwriting, often causes interesting contributions to be regretfully consigned to our waste-paper basket.
- G. B., of Ga.-We think Tusch's soaping brush is a good household article. It can be used anywhere. It was pat-ented May 23, 1860.
- H. G. of N. Y .- Letters Patent are granted for 14 years. Minors can take patents, but the benefits of it must revert to the parents. In making assignment of a patent granted to a minor, it is necessary that the father should also sign the docu
- D. R., of Ill.-The product made on a patented ma chine is not protected by the Letters Patent. If you buy a pat-ented machine for making brick, you are confined to the manu-facture in your own territory, but you can sell the brick where you
- L. C. S. & Co. and A. R. B., of Conn.-We have inquired for tungsten steel but cannot find that any has yet been imported to this city.
- J. G. W. L., of La.-We cannot tell how long the oil wells of Pennsylvania will continue to yield, but recent reports e principal oily districts represent th e supply as gr diminishing in all the wells, thus involving the necessity of sink ing new ones to keep up the supply. We are informed that there is a tract of country in Pennsylvania, about 200 miles long by 30 wide, in which oil can be obtained anywhere by sinking wells.
- E. W. E., of Ala. You can stain black walnut or pine in initiation of rosewood, by mixing some carmine with larva-nish, for the red streaks, and using a little copperas and logwood in solution, to make the black streaks. You can make a cheap red stain for wood with a strong solution of red Brazil wood mixed
- A.'W. & S., of Tenn--We know of no way to prevent your millstones from heating but to reduce the speed. In some of the back numbers of our paper you will find m gestions on the subject by practical millers. any valuable sug-
- S. C., of N. Y .- A head of water 60 feet high would drive an engine similar to a steam engine. It is by this plan that the water is raised at the Washington Water Works.
- R. O. D., of D. C.-Ericsson's air engine is altogether too heavy in proportion to its power to drive a flying machine; a yoke of oxen would be about as suitable.
- K. N., of Wis.-No soap possesses the astonishing properties of removing oil, paint, pitch and tar directly from cloth. Any good soan, however, will remove oil, but when tar and pitch get upon cloth these substances must first be softened with a little warm butter, after which the soap should be applied for their removal. Benzole and refined turnentine, mixed with alcohol, are the best substances which can be employed for removing paint from cloth. Considerable railroad iron is still imported from England, but it is not equal to the best American. In a few years ce, we think American iron will be manufactured as cl e English. as th

C. L. R., of N. Y .- There is a difference of opinion among engineers about the expediency of putting tallowinto the when laying it by for the winter. We think it is better to dry it thereaghly and then close it perfectly air-tight.

C. H., of La.-You have doubtless seen before this time the same idea as yours, in regard to the crank motion, in our

W. N., of Mass .- The colored rings which you saw in the mirror, when standing between it and the light, were produced by refraction. The light from the lamp passed twice through the glass, once on its way from the lamp to the metal back of the mir-ror, and again on its return towards the eye; in this passage it was decomposed by the rays of different colors being bent or refracted, some more than the others. Light is never increased, but alway diminished, by passing through glass or anything else.

MONEY RECEIVED

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, dct. 20, 1860:-J. P. M., of R. I., \$250; L. P., of Mass., \$25; W. & F., of N. Y..

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ties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Oct. 20, 1860:--P. D. Van D., of N. Y.; C. R. O., of N. Y.; J. S. & Mc C., of Ohio; C. M. D., of Conn.; J. H. P., of Mo; S. N. D., of Mich.; H. & G., of Iowa; C. E. A., of N. II.; G. S. R., of Miss.; W. II. H. M., of N. H.; Z. F., of Mo; P. M., of Conn. (2 cases); E. R. P., of N. Y.; L. R. J. F., 61 M.S., F. M., 61 Cohn. (2 cases); E. K. F., 61 M. T. J.
P., of Mass. R. G., Jr., of Fla.; S. P. P., of N. Y.; J. A. H., of Cal."
I. K., of Ill.; S. I., of N. Y.; H. N. IL, of Vt.; C. H. C., of N. Y.'
W. & F., of N. Y. (2 cases); C. H. B., of Conn.; J. W., of Conn.; S
B. S., of Ind.; H. P., of N. Y.; J. S. B., of N. Y.; J. B. Mc M., of
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