



From the success of the Atlantic Cable, corres pondents will at once see the propriety of our omitting their articles on the subject of its failure.

H. J. R., of Va.-Very fine impressions of ferns may be obtained by thoroughly saturating them in common porter, and laying them flat between white sheets of paper without much pressure, and letting them dry out. J. G., of Del.—Revolving sails have often been suggested as a means for propelling and guiding balloons. We have no confidence in the success of any such

M. G., of Ohio.-The exclusive claim which your employer sets up to an invention made by you, because you happened then to work for him, reminds us of a New Zealand chief, who maintained that he had a good title to his land because he had eaten the former owner. The claim of your employer will not avail, unless by special contract you made the invention for him. You had better proceed at once to apply for the patent. Inventors many times lose the full benefit of their improvements by unnecessary delays.

C. L. McGrew. Lexington. Mo., wishes to purchase an engine pump capable of drawing water about thirty feet through a two and a-half inch pipe, and thence forcing it to the top of a three or four-story building, to be used as a fire-extinguisher.

C. C. of Conn.—The amount of force exerted by one pound of gunpowder is 221,240 pounds raised one foot

W. H. S., of Phila.-Orfila's celebrated hair dye is said to be simply carbonate of lime, made by boiling, for an hour and a quarter, four parts of sulphate of lime with five parts of slaked lime, in thirty parts of water. Filter the liquor and collect the powder, which, if applied in a warm solution, will dye the hair a fine black

S. O., of Conn.-The best method that we can recommend you to adopt for protecting your shingles is to kyanize them, or give them a coat of red lead and boiled oil before using

J. S. R., of Ill.—The bait used by English and other rat-catchers to tempt the wily animals into their wire prisons, is the oil of rhodium, for which rats have as great a partiality as cats have for their peculiar "nip."

B. S., of Md.—The breaking strain given in an item on wire rope, a few weeks ago, was the amount to each square inch. The British government require that all wroughtiron furnished to themshall sustain the weight often tuns to the sectional square inch.

...Your suggestions concerning the Atlantic Cable are old, and have been decided to be use-

M. A. S., of Ill.—The best method of constructing an ice house is to build its walls entirely underground, with a foot space outside for rice, chaff, charcoal, saw-dust, or other good non-conducting material. The covering, and other parts above ground, should also be made double, and filled in with the same non-conduct ing substance

W. K., of lll.—The employment of ambrotypes, pictures taken on glass, for magic lantern purposes, in the manner you indicate, has been done before, and is not therefore patentable.

W. H. R., of Va.—Railroad station indicators made as you propose, to wit, the names of the stations painted on an endless belt moved by a crank, are quite old. Your device is not patentable.

A. M., of Iowa.—By covering common bricks with common salt, and heating them until the whole surface is glazed, they will be protected from the action of the weather, and have a hard, durable, and vitreous coat-

ing.

J. M. A., of R. I.—Your engine is what is variously known as "Hornblower's engine," and "Wolff's enand was invented by Hornblower nearly eighty years ago. Such engines, with cylinders side by side, are now, or were, many years ago, in use on some English steamers. But this method of using steam is not so good as using it with a high degree of expansion in a single cylinder.

Money received at the Scientific American Office on account of Patent Office business, for the week ending Saturday, August 7, 1858 :-

J. H. C., of N. Y., \$100; W. C., of N. J., \$30; W. A. M., of Minn., \$27; W. D., of Texas, \$25; W. D., of N. J., \$25; J. A. McC., of N. Y., \$25; J. P. B., of N. Y., \$30; R. H. E., of Ill., \$35; W. M. S., of N. Y., \$25; A. W. H., of Conn., \$25; J. W. M., of Pa., \$35; J. L., of Mass., \$35; G. C., of Ky., \$30; J. C. F., of Texas, \$35; W. W. H., of Texas, \$30; H. H., of Ind., \$30; J. M. \_, \$30; J. A., Jr., of Mass., \$30; O. H. S. B., of Ind., \$27; M. & W., of Ill., \$25; T. E. McN., of Pa., \$55; W. H. T., of Mass., \$30; B. O., of Ohio, \$27; E. M. B., of Wis., \$55; A. P., of Tenn., \$25; E. D., of \$55; J. P. E., of Pa., \$35; A. F. T., of Mass., \$55; G. & D., of Texas, \$30; A. S., of Pa., \$30; A. S. S., of Ohio, \$25; W. G. B., of Ill., \$30; I. M. M., of Ind., \$30; B. P. B., of Pa., \$35; B. & H., of Mass., \$32; J. W. N., of Conn., \$32; T. W. B., of N. Y., \$100; T. H., of Ohio, \$30; J. A., of S. C., \$5; A. H., of N. Y., \$30; K. F., of Wis., \$25; M. A. W., of Ohio, \$15; J. K., of N. Y., \$25; J. R., of Mass., \$30.

Specifi ations and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, August

O. H. S. B., of Ind. : C. P. G., of IL ; J. C. F., of Ohio; A. P., of Tenn.; J. K., of N. Y.; K. F., of Wis.; J. C. F., of Texas; J. H., of N. Y.; B. P. B., of Pa.; T. H., of Ohio; A. W. H., of Conn.; J. M., of Iowa; J. L., of Mass.; W. D., of N. J.; B. O., of Ohio; J. A., of S. C.; M. A. W. of Ohio; W. A. M., of

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THE RAPID GROWTH OF OUR PATENT Agency business during the past three years has required agreat addition to our ordinary facilities for its performance, and we are now able to announce the completion of a system which cannot fail to arrest the attention of all who have business of this kind to transact.

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will be, as usual, at No. 128 Fulton street, New York. There is no other city in the Union so easy of access from every quarter as this, consequently there are greater advantages in regard to the transmission of models, funds, &c., through the various channels that center in New York. Two of the partners of our firm reside here, and during the bours of business are always at band to counsel and advise with inventors. They are assisted by a corps of skillful Examiners, who have had many years of active experience in the preparation of cases for the Patent Office.

To render our Patent Agency Department complete in every respect, we established over a year ago a

BRANCH OFFICE IN THE CITY OF WASHINGTON, on the corner of F and Seventh streets, opposite the United States Patent, Office. This office is under the general superintendence of one of the firm, and is in daily communication with the Principal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. Inventors and others who may visit Washington, having business at the Patent Office, are cordially invited to call at our office.

A SPECIAL NOTICE.

We especially require that all letters, models andre-ittances should be made to our address at New York. EXAMINATION OF INVENTIONS.

We have been accustomed from the commen ement of our business—thirteen yearssince—to examine sketches and descriptions, and give advice in regard to the novel-ty of new inventions, unthout charge. We also furnish a printed circular of information to all who may wish it, giving instructions as to the proper method which should be adopted in making applications. This practice we shall still continue, and it is our purpose at all times to give such advice free and candidly to all who apply to us. In no case will use advice an inventor to make application unless we have confidence in his success before the Patent Office.

cation unless us have confidence in his success we fore use Patent Office.

Our extensive experience in mechanical and chemical improvements cables us to decide adversely to nearly one half of the cases presented to us for our opinion, before any expense has occurred in the preparation of the

case for a patent.

When doubt exists in regard to the novelty of an invention, we advise in such cases a

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PRELIMINARY EXAMINATION
to be made at the Patent Office. We are prepared to
conduct such examinations at the Patent Office through
our "Branch Agency," upon being furnished with a
sketch and description of the improvement. Our fee
for this service will be \$5.

After sufficient experience under this system, we confidently recommend it as a safe precautionary step in
all cases before application is made for a patent—not
that there will be no rejectionsunder this system. It is
impossible to avoid such results in many cases, owing to
the exceedingly wide range taken by the Examiners in
the examination of cases; but, nevertheless, many applicants will be asard the expense of an application and
by mail must enclose stamps to pay return postage.

THE COSTS ATTENDING AN APPLICATION

THE COSTS ATTENDING AN APPLICATION

for a patent through our agency are very moderate, and great care is exercised in the preparation of specifications, drawings, &c. No cases are lost for want of particular care on our part in drawing up the papers, and if the claims are rejected, we enter upon a speedy examination of the reasons assigned by the Commissioner of Patents for the refusal, and make a report to our clients as to the prospects of success by further prosecution.

A circular containing fuller information respecting the method of applying for patents can be had gratis at either of our offices.

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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 brieflistory 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 of this business we have office at Nos. 66 Chancery Lane, London; 29 Boulevard St Martin, Paris; and 26 Rue des Eperonniers, Brussels. We think we may safely say that three-fourths of all the European patents secured to American citizens are precured through our Agency.

Inventors will do well to bearin 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

Circulars of information concerning the proper course to be pursued in obtaining patents through our Agency, the requirements of the Patent Office, &c., may be had gratis upon application at the principal office or either of the branches.

Communications and remittances should be addressed o MUNN & COMPANY, No. 128 Fulton street, New York.

The annexed letter from the late Commissioner of Patents we commend to the perusal of all persons in-terested in obtaining patents:—

MESSES. MUNN & CO.—I take pleasure in stating that while I held the office of Commissioner of Patents, MORE THAN ONE-FOURTH OF ALL THE BUSINESS OF THE OFFICE came through your hands. I have no doubt that the public confidence thus indicated has been fully deserved, as I have always observed, in all your intercourse with the Office, a marked degree of promptness, skill, and fidelity to the interests of your employers. Yours, very truly, CHAS. MASON.

WESTWARD HO!—HAVING RESIDED Westfortwelve years, I have formed a catalogue of suggested improvements in agriculture, mechanics, and housewifery, much called for, and yet unsupplied. Hints thus given are often the bases of grand results. I will take an interest in any good invention which my list suggests. Copies sent by return mail for twenty-five cents. either in stamps or money Address, J. HERVA JONES, Rockton, Winnebago co., Ill.

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GEO. E. CROSSETT, Assignee.

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will be forwarded to any part of the United States. All
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Agent, American Water Wheel Co., 31 Exchange st.,
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