## Scientific American.

## TO CORRESPONDENTS

A. H., of Ill.—Prof. Page has long since anticipated you in the construction of a tubular carrying telegraph. His electro-magnetic engine consi ts of a tube composed of wires, through which a piston is caused to travel with lightning velocity by the application of the galvanic bat-The tube may be made of indefinite length, so that a tubular telegraph for conveying small packages with tremendous speed, might be constructed. The principal difficulty would be the enormous amount of battery power required, and the consequent expense of operating such a telegraph. The grand trouble with all electro-magnetic machines is the cost of working. What is wanted to give them success is a galvanic battery which will eat up less money than the steam engine. Whoever invents this will have made the last great discovery of the age. Your idea of causing a ball to roll on a magnetic bar, placed in side of a non-conducting tube, with a battery inside of the ball, is impracticable; at least we do not conceive of any successful method by which you could make the ball tray. el, except on Page's plan. It must have required a grea deal of courage to attack the inventor you name. You will probably be welcome to all the laurels you win.— Look out that you do not find yourself going up "Salt River" in the next boat after him. It is sad to see broth

O. S. F., of N. Y.-Wheeled chairs for invalids are quite common; there may be something patentable in your mode of attaching the small steering wheel, provided it effects a new and useful result, either inguiding the chair or cheapening the price.

S. C., of Va.—There is nothing patentable in the use of a piston valve as a safety valve, and we doubt much whether such a device would operate as well as the pup-

C. M., of Mo .- We think F. H. Smith, of Baltimore Md., can supply you with such a brick machine as you desire. We would state here for the benefit of the makers of all good brick machines, that we have frequent in-quiries for such articles, and if some of them would insert a brief advertisement in our columns, we presume it would accommodate many, as well as prove advantageous

H. B. N., of Pa.—We cannot determine as to the cla on your gate unless you send a model.

G. S., of Pa.-The use of glass as an anti-friction ma terial in journal boxes and bearings, is quite old and not patentable.

D. C. H., of O .- Patents for improvements (not additional) on machines already patented run 14 years. They are independent of the original grant, so far as duration is concerned. No patents are issued in Canada except to

J. M. C., of N. C.-The idea of operating switches by means of a cam or arm projecting from the engine and controlled by the engineer, is not new. There are many devices for the purpose, and among them the essential features of your plan. There is nothing patentable in your arrangement.

of N. Y.—There s nothing patentable in your propeller. Perhaps a patent could be had on your cot-

..-It is a very common practice to send telegraphic messages and letters in cypher. There is nothing of patentable novelty in your idea, neither would there be in the detail.

E. S. L., of Va .- Your plan of making ice by elevating tanks of water into the aerial regions of perpetual snow and ice, by means of balloons, is certainly new and patentable. We doubt its economy, however; we think it is far cheaper to cut the ice out of mill ponds Your plan of making cannons possesses no advantages, and is not pat entable. \$2 received.

J. T. & Co.-Your model has arrived. Your improve ent in shingle machines strikes us as containing patentable features. It looks as if it was a valuable invention We will make your claims as broad as they will bear, and will do our best for you throughout. Send on the fee of \$30. \$1 received. You did not give your address or we should have written by mail.

G. L. W., of Md -Your letters on Spiritualism will re ceive attention beforelong.

R. M. S., of N. J.-Get a vertical evilindrical boiler for such a small engine; it requires only to evaporate half a cubic foot of water per hour and contain three cubic feet. It should be of thiniron plate.

H. A. II. -We do not know of any book devoted to Christian names. Copyright costs \$1.

E. S., of Ga.-Your device for feeding water into steam boilers was patented twenty-five years ago, and has been again invented by at least a score of men within four or five years past. We cannot tell why it has never come into general use, as several who have tried it say, as you do, that it works well.

D. A. W., of Vt.—We are not acquainted with a work

that treats extensively on flouring mills.

R. M. C., of Pa.—If A buys a patent right for a certain

county, B is liable if he uses or sells in any manner in that county, no matter where he got his machine. A is exclusive owner to the county be purchased.

W. J., of Mass.—One patent would not cover both inventions. There appears to us to be more originality in the last model than in the other. We do not see what could prevent it operating.

A. W., of N. Y.—If inventors will neglect to secure

their improvements where they have the opportunity, they must put up with the consequences. We think you are mistaken as to the horse power.

S. N. C., of Ill.-\$15 will cover the cost of illustrating

G. H. B., of Ga.-Ames' Polygraph, we believe, can be the expense. We will send your letter to the agent.

D. G. T., of Ky.—We cannot see how it is possible for your condenser to act as you think it will without an air p:ump. Admitting that when a vacuum shall have been produced water, will enter at the bottom and rise in the center tube, and discharge itself in jets into the outer tube, when steam is admitted by the opening of the eduction valve, it will drive the water rapidly down the tube, but we think will condense very little steam, as it will not re

main long enough.

R. B., of N. Y.—Your governor is not new; the same thing has been proposed many years ago. We do not know of its ever having been in use. We do not exactly understand your blower, but state for your information that there are rotary blowers in use which collect the air at the periphery and discharge at the center.

C. R. G., of Iowa-Giving a spiral or other form to bul lets, for the purpose of making them revolve as they pas through the air, is old and not patentable.

Money received at the Scientific American Office on Saturday, Aug. 11, 1855 :-

R. G. & Sons, of Mass., \$30; H. N., of Me., \$35; J. W B., of Ark., \$40; E. G., of N. J., \$30; H. R., of N. Y., \$60; I. C. C., of Mich., \$30; J. C. S., of Mass., \$10; H. H. L., of Ill., \$25; J. A. B., of Ill., \$12; J. A., of Pa., \$25; W. V. G., of Ct., \$70; H. B., & O. S. W., of Ind., \$25; J. H. J., of Iowa, \$25; H. N. S., of Ct., \$30; E. D. C., of Ct., \$10; S. & W. H. B., of O., \$30; E. V. P., of N. Y., \$225; D. N. R., of N. Y., \$277; W. P., of Miss., \$30; G. H. T., of N. Y., \$55; W. S., of N. Y., \$150; J. H., Jr., of Wis, \$155; H. M. C., of Ct., \$10; B. & C., of Mich., \$30; J. A. S., of Pa., \$30; W. M., of N. Y., \$20; B. & H., of N. Y., \$30; C. T. C., of N. Y., \$20; W. & B. D., of Ct., \$25; D. B., of Vt., \$12; S. B., of N. Y., \$35; C. W. S., of Mass., \$25; S. A. K., of Pa., \$20; C. J. C., of Pa., \$50; J. W. H., of R. 1., \$150; J. C. H., of N. J., \$30; A. K., of Ct., \$25; C. D. W., of Wis., \$40; R. D. N., of N. H., \$30; J. H., of Pa., \$30; P. H., of N. Y., \$55; S. T. P., of N. J.,

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Aug. 11:—

E. D. C., of Ct.; J. A. B., of Ill.; O. S. W., of Ind. H. H. L., of Ill.; J. A., of Pa.; E. R. B., of Ct.; W. V G., of Ct.; S. & W. H. B., of O.; F. K., of France; A. P., of France; G. H. T., of Mass; A. K., of Ct.; J. H. J. of Iowa; J. W. B., of Ark.; W. & B. D., of Ct.: S. B., of N. Y.; C. W. S., of Mass.; P. H., of N. Y.; J. L. T.,

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RECEIPTS—When money is paid at the office for subscription, a receipt for it will always be given; but when sub scribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledg ment of the receipt of their funds.

Models-We are receiving almost daily, models of in ventions which have not the names of their inventors marked upon them. This usually prevents us from taking any notice of them whatever. We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and sometimes prevent the model from being mislaid.

PATENT LAWS AND GUIDE TO INVENTORS .- Congress having adjourned without enacting any new laws pertaining to applications for patents, we have issued a new edition of the old laws, which may be had at our counter or sent by mail. This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office. Price 12 1-2 cents per

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TWENTY-SEVENTH ANNUAL FAIR OF THE AMERICAN INSTITUTE of the City of New York. The Managers announce that they have made arrangements to hold this exhibition in the Crystal Palace, commencing on Wednesday, the 3d of October next. This magnificent and spacious building will be opened for the reception of articles, from Thursday, the 2th of September, until Tuesday, the 2th of September, until Tuesday, the 2th of September, and other articles from a detance can be stored in the Palace for the 15th of September, and other articles from a detance can be stored in the Palace for the 15th of September, and sees of the 2th of the 15th of September, and the sees of the 15th of September, and the sees of the 15th of September, and the sees of the properties of the 15th of September, and the 15th of September and Silver Medals, Cups Thursday, and the 15th of September and Silver Medals, Cups the 15th of September and Silver M

RAHIBITION OF THE MARYLAND INSTITUTE,
Baltimore.—The Eight Annual Exhibition by the
"Maryland Institute, for the promotion of the Mechanic
Arts," will be opened on Tuesday, 2d of October next.
Goods will be received for exhibition and competition at
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manufacturers, mechanics, artists, and the community
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be of American manufacture, the only exception to this
rule being in favor of rare specimens in the department
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