# Beientifie American.

#### TO CORRESPONDENTS.

A. H., of Geo .- Upon receipt of the model we shall proceed with your business with as little delay as possible.

J. W R., of N. Y .- Hollow grate bars, for feeding the water through them to the boiler, are not new if you look on page 204, Vol. 3, Sci, Am., you will find them illustrated and described.

J. R. M, of Fla.-Your subscription will not expire until the 15th of Sept next.

W. A G, of Va.-We do not think the "Model Calculator" would prove of any especial value to your profession. \$2 received on account of another year's subscription.

J. W. D, of Geo.-We think you can obtain the mill stone shatt from Messrs Logan, Vail, & Co., No. 7 Gold st., this city. They deal in all kinds of mill gearing. \$2 received.

J. C. S, of N. Y - An application was made for an extension and re issue of Langdon's patents, one for planing boards, the other for shingles. They were both rejected on the 20th of February, but the parties interested were dissatisfied and submitted an argument for a re-examination, on the 4th of May they were again rejected-we think very justly. He claimed that which was not found in his original models or papers. The application was a singular one, and shows how far designing men will go some

J. II E., of Tenn .- Your favor of the 11th inst. came duly to hand, and will command early atten-

H.C.T., of S.C .- Glad to learn of your success with the protector, and shall hope to hear from you again.

J M, of Ohio.-Messrs. M. & J. H. Buck., of Lebanon, N. H., can furnish you with such a mortising machine as you enquired for.

J. E., of R. I .- It is probable that your improvement in looms for weaving counterpanes is new, we cannot, however, decide fully without a sketch.

F. B. H., of Ind .- The model we have returned to you at Indianapolis.

J. H. D., of N. Y .- The employment of a balloon to aid in sustaining a boat is an old exploded idea. No good can come out of it.

J. M., of Ohio. - A machine to peg boots and shoes would be valuable, providing it could be made effectual and cheap. We understand that machines for that purpose are in use in the Eastern States, but dollar as fee for copying. do not hear much of their practical character. We have no volumes back of the sixth. Price of Vol. 6

W. W B, of Wis.-There is an instrument named the anemoscope for measuring the velocity and consequently the pressure of the wind. We have never known of it being used on shipboard, but it could be used. The velocimeter is an old instrument. You will find an engraving of the wind measurer on page 46, Vol. 6, Sci. Am.

V. E. R., of Ill.-We think your mill is new and patentable, and advise you to send a model.

L. D., of N. Y .- There is nothing at all new in the suggestion of pressing at both ends of a bale of hay

or cotton. It has often been suggested.

W. B 8, of N. H — It has been proposed to employ an india rubber bag in the air chamber. We have seen one used. It is best to have the chamber air-tight, and there is no necessity for any diaphragm.

D. T., of Canada -Mr. Scott's subscription has expired. You Canadians must not forget that it costs us 1 1-2 cents postage on every paper which we send into Canada, and that such amount has to be abstracted from your remittances. \$2 pays for only 40 numbers when sent over the line into John Bull's dominions.

A. A., of N. II .- You mistake the centrifugal force and consider it different from the applied force; it is the applied force, and there is no such a thing as centrifugal force when the body is moving in a

N. B., of R. I -We are not familiar with the ar rangement for drying mentioned in the Cultivator. and can give no advice upon the subject.

O L R, of Geo .- We cannot advise you to file a caveat. When the model is finished send it on, of course we shall do the best for you we can.

S. S., of Ohio.-We do not apprehend any difficulty in getting a patent on the combination as set forth in section third of your drawing. It is totally different from Mr. Brown's invention.

G. M., Jr., of Ill -You would see something about the extra bow in our last number, it is, however, very different in principle from yours. The principle of applying the air as a medium under the boat, was tried by R L. Stevens, of this city, a few years ago; it was a failure, yours is a better plan, however, we think more favorably of it.

C. A. M., of Mass.—M. Roucher must that calculated magnesia, if administered in time, is an efficacious N. Y.

"At the Oakland Works of Sherry & Byram there are made some of the finest clocks in the world." sulphate.

W. S, of Conn .- The common garden rhubarb contains a considerable amount of oxalic acid, and may not be regarded as a healthy diet. Its use, however, is limited

D. S., of Ohio -Dr. Wright, of Cincinnatti, published a communication in Vol. 8, Sci. Am, in which he recommends coal tar as a good substitut to be employed in removing incrustations. It deprives LIN & CO., 108 Statestreet Boston.

A N ENGINEER of good reputation in machinery, hydraulics, and mill work, can find a desirable location by addressing GEO. T. McLAUTH-LIN & CO., 108 Statestreet Boston.

41 2\* the water of its saline matter.

R H., of Miss -- In volume six, of the Sci Am., w published an illustrated series of articles on the water wheels. No doubt the information will be useful to you. The volume bound costs \$2.75.

E. S. P., of Va.-Your paper has been regularly sent since the receipt of your funds, and we cannot define a reason for its not reaching you properly.

Money received on account of Patent Office busi

Money received on account of Patent Omce business or the week ending Saturday June 19:

A.R., of Mass., \$20; S. A. C., of Ct., \$50; P. B., of N. Y., \$55; C. G. B., of N. Y., \$30; N. G. D., of L. I., \$30; J. W., of Pa, \$50; E. & Co., of N. Y., \$40; P. McK., of N. Y., \$70; G. & S., of N. C., \$20; S. I., of N. Y., \$60; J. J. H., of N. Y., \$20; F. C. S., of L. I., \$30; C. W., of Ct., \$20; J. W., of Pa., \$30; S. W., of Ill., \$10: D. P., Jr., of N. Y., \$55; B. H. M., of Ind., \$32; W.S., of Pa., \$20; H. M., of N. Y., \$3.

Specifications and drawings belonging to partie with the following initials have been forwarded to the Patent Office during the week ending Saturday.

A. R. of Mass: J. R., of N. Y.; P. McK, of N. Y.; A. M. G., of S. C.; J. W. H., of N. Y.; J. J. H., of N. Y.; J. C., of Ohio; B. H. M., of Ind.; W. S., of Pa.; C. M. M., of Pa.

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MARYLAND INSTITUTE FAIR—The Board of Managers of this Y-MARYLAND INSTITUTE FAIR—The Board of Managers of this Institute will hold the Fifth Annual Exhibition in the Grand Saloon of the Institute Building, in the city of Baltimore, commencing on the 4th day of October next. The great facility thus afforded for a splendid display of American Manufactures, they hope, will be a sufficient inducement for the Manufacturers, Mechanics, Arrists, Inventors, and others throughout the United States, to contribute such specimens of their industry, skill, and ingenuity, as shall be alike honorable and creditable to the mechanical genius and refined tasteof the country. The Hall will be open for the reception of goods on Monday the 27th Sept next, from which time to Thursday night, Sept. 30, articles intended for competition and premium must be deposited. The balance of the week will be devoted to the reception of articles intended for exhibition only, five of charge. After which time depositors will be subject to a charge of 50 cents to \$1. On Monday, Oct 4, at 7 o'clock, P. M., the Exhibition will be open for the reception of visitors. Circulars containing the regulations and arrangements established by the Standing Committee on Exhibitions, can be had by addressing (post-paid) JOHN S. SELBY, Actuary of the Maryland Institute, by whom any information required will be promptly given.

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