TO CORRESPONDENTS.

W.B., of Pa.-You express yourself somewhat surprised to see Mr. Mills scheme published in the Sci entific American. It may or may not be practicable-we did not decide upon this point-we present ed the subject as one of novelty and interest, our readers are not obliged to believe in it, and there i noreason why we should not publish it as we do manyother new and untried schemes. Let us have all sides fairly presented. We will decide upon what shall or shall not appear in this paper, and employ our own terms in dealing with all subjects.

V. L. M., of Pa .- On the New York and Philadel phia Railroad, the curtain which you describe is employed on the cars to prevent the rising of the dust from the track. It was suggested by an eminent merhanic living in this city-it works admirably, and we hope to see other roads adopting it.

H. J., of Ind.-We expect soon to publish engra vings of Irving's Boiler, then you can readily understand the principal upon which it operates

H. T. R., of N. H .-- Explain what you mean by anchors for stopping railroad trains. The mere idea is not patentable. You must fix your ideas into a tangible contrivance.

A. C. C., of Tenn.-It is impossible for you to make the rails answer the purpose of a covered wire. You cannot properly isolate them. You may be sure of this

W. T., of Me .- We see nothing new or patentable in the plough, but the fence appears to poss vel features.

R, of Nova Scotia.-Richard Kitson, of Lowell, Mass, can give such information asyou desire in regard to oakum.

W. J. T., of N. Y .- We received your letter of June 6th, and replied to it very promptly, the reply missed you it appears. We advise you to send us a model of your measurer

T. B., of Ind.—There isnothing patentable in your method of coupling, we have seen the same thing before used in carriages.

J. A. T., of Miss.-G. Page, of Baltimore, Md., or Geo. Vail, & Co., Morristown, N. J., canfurnish you with portable saw mills. The clock work for faning rooms was invented and patentee by Com. Barron, 1830.

A. G., of Ill .- Yours came too late for this number. It was a most unjust act in your case

E. J. H., of Pa-Mr. R. is now at Niagara Falls superintending the erection of a new suspension bridge; we have not seen his article but will look for it

M. B., of N. H .- You have never read the history of the steam engine; read it.

L L, of Ohio .- The papers of the scientific associ ation will be published by the city authorities of Cleveland.

H. McN., of Conn.-There is no differencebetween your principle for heating apartments and heating item by steam pipes connected with a boiler.

J. R. M., of Pa .- We have no faith in the value of your devic substance; a caveat was fled some tweiver men in since for essentially the same thing.

T. F. W., of England-We do not know of "selfacting gates at railroad crossings," like the one decribed in your letter ; there are, however, good gates here for the same purpose, but railway companies do not feel willing to trust them.

Money received on account of Patent Office busi-

ness for the week ending Saturday, Aug. 13 :--H. L. R., of Mich., \$60; J. L. L. M., of Pa , \$30; C. W. C., of Mo., \$30; G. B., of N. Y., \$100; E. M., of Pa., \$55; J. C., of N. Y., \$30; H S, of Texas, \$50; W. E. B., of Ala, \$30; J. M., of Ghio, \$50, W. McB., of Ohio, \$30; J. P. H., of Ohio, \$30.

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

S. P., of N. Y (2 cases); H. A. C., of Mass.; W. M. & K., of Ill; W. F. M., of N. Y.; A. E. B., of N. Y.

A Chapter of Suggestions, &c.

BACK NUMBERS AND VOLUMES-In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished we make the following statement -Of Volumes 1, 2 3 and 4-none. Of Vol. 5, all but six numbers, price, in sheets, \$1; bound, \$175. Of Volume 6, all; price in sheets, \$2; bound, \$2,75. Of Vol. 7 price in sheets, \$2; bound, \$2,75. Of Vol. 8 all the back numbers subsequent to No. 27, but none previous.

ATENT CLAIMS-Persons desiring the claims of

Scientific American.

Foreign and American Patent

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IMPORTANT TO INVENTORS.---The under-isigned having for several years been extensively engaged in procuring Letters Patent for new mecha-nical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confi-dential. Private consultations are held with inven-tors at their office from 9 A. M., until 4 P. M. In-ventors, however, need not incur the expense of at-tending in person, as the preliminaries can all be ar-ranged by letter. Models can be sent with safety by express or any other convenient medium. They should not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Eu-rope, our facilities for obtaining Foreign Patents are unequalled. This branch of our businessreeives the especial attention of one of the members of the firm, who is prepared to advise with inventors and mann-facturers at all times, relating to Foreign Patents. MUNN & CO., Scientific American Office, 128 Fulton street, New York.

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TRON FOUNDRY FOR SALE.—In full operation, twelve moulders employed, and a good run of cus-tom and job work, in a village near New York; alwoys accessible. Address "J. F." box 1200, New York Post Office. 43 2*

UNITED STATES PATENT OFFICE,)

ON THE PETITION OF JOHN H TIMS, Washington, July 28, 1853. N THE PETITION OF JOHN H TIMS, of Newrk, N. J., praying for the extension of a patent granted to him on the 31st day of October, 1839, for an improvement in bearings and oil boxes forrailroadcars, &c., for seven years from the expi-ration of said patent, which takes place on the 31st day of October, 1853. It is ordered that the said petition beheard at the Patent Office on Monday, the 3rd of October next, at 12 o'clock, M.; and all persons are notified to ap-pear and show cause, if any they have, why said pe-tition ought not to be granted. Persons oppesing the extension are required to fle in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing, must be taken and trans mitted in accordance with the rules of the office, which will be furnished on application. Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Pennsylvanian, Philadelphia, Pa.; Evening Post, New York; Boston Post, Boston, Masz, and Inquirer, Cincinnati, Ohio, once a weekfor the seruc-cessive weeks previous to the third day of October next, the day of hearing. Commissioner of Patents.

of Stategiven, and often with the name of the post office also omitted. Persons should be careful to write their namesplainly when they address pub-lishers, and to name the post office at which they wish to receive their paper, and the State in which the post office is located. ADVERTISEMENTS. Foreign and American Patent Agency MPORTANT TO INVENTORS,...-The under-signed having for several years been extensively angaged in procuring Letters Patent for new mecha-

LAWRENCE SCIENTIFIC SCHOOL, Harvard **LAWRENCE SCIENTIFIC SCHOOL,** Harvard University, Cambridge, Mass. The next term of this institution will open on the first day of Sept., 1853, and continue 20 weeks. Instruction by recita-tions, lectures and practical exercises, according to the nature of the study, will be given in Astronomy, by Messrs. Bond ; Botany, by Prof. Gray; Chemis-try, Analytical and Practical, by Prof. Horsford ; Comparative Anatomy and Physiology, by Prof Wy-man, Engineering, by Prof. Eastis; Mathematics, by Prof Pierce; Mineralogy, by Prof. Cooke; Phy-sics, by Prof. Lovering ; Zoology and Geology, by Prof. Agassiz. For further information concerning he School, application may be made to Prof. E. N. Horsford, Dean of the Faculty. Cambridge, Mass., July 15, 1853. 44 8*

PALMER'S PATENT LEG-Manu actured by Patmer & Co., at No.5 Burt's Block, Springfield, Mass, for New England and New York State, and 376 Chesnut st. Philadelphia; in every instance of com-petition in the Fairs of the various Institutes of this petition in the Fairs of the various institutes of this country, has received the highest awards as "the best" in mechanism, usefulness and economy. At the "World's Fair," London, 1851, in competition with thirty other varieties of artificial legs (by the best artists in London and Paris,) it received the Prize Medal as the best. 47 10*

EUROPEAN PATENTS_MESSES MUNN & Co. pay special attention to the procuring of Pa-tents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist. We have our own special agents in the chief European cities, this enables us to communicate directly with Patent Departments, and to save much time and expense to applicants.

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PATENT LAWS OF THE UNITED STATES and information to inventors and patentees; for sale at the Scientific American office. Price 121.2 ents

WHEELER, WILSON, & Co.-Watertown, Ct., proprietors and manufacturers of Allen B. Wil-son's Patent Stitching Machine. Patented June 15, 1852, it can be seen at the Company's Office, 265 Broadway, New York. 30 20+

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BEARBELER'S PATENT PLANING Tongue-ing and Grooving Machines-These celebrated machines have now been generally introduced in various portions of the United States. More than thirty are now in successful practical operation in the State of New York alone. As an illustration of the extent of work which they are capable of per-forming, with unrivalled perfection, it is sufficient to state that, within the last six months and a half, over five millions of feet of spruce flooring have been planed, tongued and grooved by one of these machines at Plattsburgh, N.Y., never running to exceed ten hours a day. The claim that the Beards-lee machine was an infringement upon the Wood-worth patent, has been finally abandoned; and after the proofs had been taken, the suit instituted by the owners of that patent was discontinued, and the whole controversy terminated on the first of Novem-ber last. Applications for machines or rights may be made to the subscriber, GEO. W. BEARDSLEE, 67 State street, or No. 764 Broadway, Albany. 15tf DEARDSLER'S PATENT PLANING Tongue

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THE NEW HAVEN MANUFACTURING THE NEW HAVEN MANUFACTURING Company, New Haven, Conn., having purchased the entire right of E. Harricon's Flour and Grain Mill, for the United States and Territories, for the term of five years, are now prepared to furnish said mills at short notice. These mills are unequalled by any other mill in use, and will grind from 20 to 30 bushels per hour of fine meal, and will run 24 hours per day, without heating, as the mills are self-cool-ing. They weigh from 1400 to 1500 lbs., of the best French bur stone, 30 inches in diameter : snugiy packed in a cast-iron frame, price of mill \$200, pack-ing \$5. Terms cash. Further particulars can be had by addressing as above, post-paid, or to S. C. Hills by addressing as above, post-paid, or to S. C. Hills agent N. H. M. Co., 12 Platt st, N. Y. 28tf

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