

**TO CORRESPONDENTS.**

"R. M. C. of Mass."—According to Renie's experiments, a bar of cast iron one inch square cast horizontal supported a weight of 18,656 lbs. and one cast vertical supported a weight of 19,488 lbs. You may judge from these experiments what to do.

"J. W. of N. Y."—There is something for you on our editorial page.

"Bramble Brae of Va."—We will write to you next week. Circumstances have prevented an answer before this, to your last letter.

"T. B. of N. Y."—We do not know what to say about your case. It is hard that an inventor should benefit another by his invention and then be used unjustly by him. Make him pay up. If the case was known it would create sympathy for you.

"S. T. of Ohio."—Your letter is too long and it is not written plain enough for publication. The truth is we cannot afford time to decipher it. Many persons of first rate abilities are too careless of their penmanship.

"J. W. O. of N. Y."—Your article has been read and will be published in our next number. Please forward your advertisement and we will give it an insertion. The residence of Mr. P. is unknown to us—he has not been in the city for some time past.

"R. L. of Mass."—We cannot tell exactly what it will cost to obtain what you desire, as the copy of specifications, costs so much per 100 words, and the drawings will have to be done in Washington. We should think that \$15, would be sufficient. If you will remit that amount, we will attend to it.

"A. D. of La."—Your communication has been attended to. Louisiana money taken at par for subscriptions.

"G. W. H. of R. I."—Yours has just come to hand. It will appear next week.

"E. D. of Mich."—We can supply you with vol. 3, bound \$2.75, that is all we have.

"G. J. of Ohio."—We cannot publish what you desire under any circumstances, it would require too much space in our paper.

"J. M. T. of N. Y."—We cannot give you the address of Mr. Remington. If you have been a constant reader of our paper, you could not have failed to notice the remarks which we made about Mr. Remington's Bridge.

"W. C. K. of N. H."—Minifie's Mechanical Drawing Book is the best adapted to your wants. Price \$3. To be had at this office.

"S. W. of N. Y."—You had better forward us your model and we will examine it in comparison with the one you name and report to you.

"W. T. & G. A. G. of Pa."—Your letter of the 10th, is received. Your machine seems to possess some new ideas, and if you will send us on a model accompanied with the patent fee \$30, we will make out your papers.

"C. C. L. of Pa."—We believe that the Commissioner of Patents will give his influence to any proposed reasonable measure that has for its object the advancement of science and art, and the interest of inventors.

"J. M. D. of Geo."—Your communication of the 4th inst. has been received. We cannot arrive at a clear understanding of the nature of your invention without either a drawing or a model, which you had better send us at your earliest convenience and we will inform you by letter our opinion of its merits.

"J. C. T. of Ohio."—You will find an engraving and description of the self-acting brake in No. 41 of the Scientific American precisely like yours.

"T. O. B. of Ala."—You had better save your money and not throw it away on what has been fully tried and proved useless. You could not get a patent.

"H. B. of N. Y."—The best thing you can do, is to get an engraving of your patent machine published in the Scientific American.—It will put money in your pocket and will only cost you \$8. What does the world know about it now? Nothing. Every patentee should do this, if he would consult his own interest.

"L. R. of Mass."—When a machine can be made to go without friction, then you may construct an endless moving clock, not otherwise.

"J. S. of Phil."—The Lithographic Press to which you refer was patented in 1847. It is used in London. Mr. W. Smart, of Leather Lane, Middlesex, is the inventor. We know

of no improvements on them since that time.

"R. McN. of N. C."—You can assuredly get a patent. We speak confidently.

"B. H. of N. H., L. D. G. of Ct., D. V. of N. Y."—Your specifications and drawings have been forwarded to the Patent Office since our last issue.

Messrs. De Graff & Kendrick of Detroit, will please write us as soon as convenient, in relation to the business we have with them.—We have written them two letters and have received no answer.

Money received on account of Patent Office business since August 9:—

B. H. of N. H. \$20. A. D. B. of Geo. \$30. G. & W. of Ct. \$20. J. F. M. of Phila. \$30. P. S. E. of N. Y. \$28. G. W. M. of N. Y. \$54. D. V. of N. Y. \$15.

**Wool Growing in Illinois.**

The Peoria Register gives a good account of the sheep pastures of that part of Illinois.—They are becoming numerous stocked, with very superior qualities of sheep. The entire number of head in the country is stated at 30,000, and the wool clip of the past spring at 90,000 lbs. The venerable Bishop Chase is one of the chief wool growers of that immediate vicinity, owning a flock of 20,000 head. C. Stone also has a flock of the same size, and there are several other flocks of 1100 to 1500 head.

**The Maryland Tobacco Crop.**

The Marlboro' Gazette states that some planters will scarcely make tobacco enough for their own consumption. The corn is looking tolerable well.

The Capitol of Ohio, now in progress of erection will be one of the largest and noblest piles in the Union. It is of a dressed stone, 304 feet by 184, covers a surface of 55,936 square feet. The Capitol at Washington is not much larger, as it covers a surface of about 61,790 square feet.

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Any business connected with the Patent Office may be done by letter through the Scientific American office with the same facility and certainty as though the inventor applied in person. Our prices are but about half as much as the charges of most agents as the amount of business which we do, and that in connection with the publication of the Scientific American renders to us superior advantage over all other agents.

Having been often complimented by those who have entrusted their business in our care, we here repeat what very many have said. "The best Patent Agency in the United States is at the Scientific American office."  
All models, drawings or communications that are sent to the Scientific American office for inspection are deposited from the eyes of the public until the necessary application for securing the invention has been made.

The best of artists are constantly employed to make drawings from models and our corps of specification writers are composed of gentlemen formerly connected with the Patent office at Washington as Examiners.

All communications should be addressed to  
MUNN & CO. Scientific American Office.  
Post Paid. (d16) New York.

**MECHANICS' FAIR.**

THE Salem Charitable Mechanic Association announces to the public, that their first Exhibition will be held at Mechanic Hall, in the city of Salem, commencing on Monday, September 24th, and continuing through the week.

We invite all to contribute in every department of industry which can in any way promote the comfort, convenience or improvement of mankind. We respectfully solicit the aid of Mechanics, Manufacturers, and Artists. Let them bring forward the products of the Loom and the Forge. All kinds of Machinery; every description of Tool and Implement. Articles of Wood, Stone, Metal, Glass, Leather, Wool, Cotton, Silk, Hemp and Flax, specimens of Printing, Statuary, Painting, Daguerrotype, Engraving and Lithography. Articles of female ingenuity and taste will have a prominent place in the Exhibition.

The Annual Exhibition of the Essex Agricultural Society, and the Essex Institute, will take place in Salem during the week of our Fair. We trust that the Manufacturers of Agricultural Implements will bear this in mind, that we may have a good display of articles in this department. The Superintendent of the Fair will be entrusted with the care and management of every article sent for exhibition, and every facility will be given to show its useful purpose, its ingenious contrivance. Care will be taken to preserve them from injury; trustworthy men will be in attendance day and night; but all articles will be at the risk of the owners. Each contributor will be entitled to admission. Contributors are particularly and earnestly requested to send forward their goods in season. Articles intended for exhibition, will be received from the 1st to the 23d Sept. A check will be given for each article received, which must be presented when they are returned.

All Goods, Machinery, etc., intended for exhibition will be transported over the Railroads leading into the city, free of expense.

Medals of silver, and Diplomas, will be awarded according to the merit of the articles exhibited.—Strict justice shall be adjudged to every contributor. Impartial men, possessing intelligence, and competent knowledge in each department of art, will be selected as judges; those only will be appointed who are not competitors for premiums.

All communications in relation to the Fair, should be addressed (post paid,) to the Secretary of the Association.

ALBERT G. BROWNE, President,  
ELEAZER M. DALTON, Secretary.

**NOTICE.**

The Second Exhibition of the MARYLAND INSTITUTE for the Mechanic Arts, will be held at Washington Hall, in the City of Baltimore, from Thursday, 27th of September, to 13th October, inclusive. Machines, models, or goods sent to the address of H. Hazelhurst, Corresponding Secretary of the Institute, (expense paid) will be met with immediate attention, and every facility used to exhibit the same to the best advantage. j16 4m

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Agents will take notice that the right for the states of New York, Pennsylvania, Maryland & Delaware have been sold L. M. & BROS. Athol, July 3, 1849.

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We have constantly on hand and for sale:  
Minifie's Mechanical Drawing Book, bound in calf, \$3.00  
Cook's Condensing Engine, Plate and Book, \$3.00  
Leonard's Mechanical Principia, \$1.50  
Scribner's Mechanics, \$1.50  
Ewbank's Hydraulics and Mechanics, \$2.50  
Morfit's Chemical Manipulations, \$2.50  
Ranlett's Architecture in numbers, each 50  
Arnott's Gothic Architecture " 25  
Camera Lucidas, \$6.00  
MUNN & CO. j14

**STEAM BOILER EXPLOSIONS.**

THE subscriber having been appointed sole agent for Faber's Magnetic Water Gauge, is now ready to supply the trade and individuals with this celebrated instrument. Besides the great safety from explosions, resulting from its use, it is a thorough check against careless stoking and feeding. In marine engines it will regulate the exact quantity required in the "blow-off." Pamphlets containing full information can be had free on application to the Agent,  
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j27 tf

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Instructions to Inventors can be had gratis, on applying to Mr. THOMAS PROSSER, 28 Platt Street New York; as also the necessary forms of Petition and Declaration for British Patents.

**PATENT OFFICE**

m1 tf 166 Fleet Street, London.

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**Johnson's Improved Shingle Machine.**

THE Subscriber having received Letters Patent for an improvement in the Shingle Machine, is now ready to furnish them at short notice, and he would request all those who want a good machine for sawing shingles, to call on him and examine the improvements he has made, as one eighth more shingles can be sawed in the same given time than by any other machine now in use. Manufactured at Augusta, Me. and Albany, N. Y. J. G. JOHNSON, Augusta, Maine, Oct. 28, 1848. o28 1y  
Messrs. Norcross & Co. No. 60 Nassau st. New York, are Agents for the sale of my Shingle Machines.

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**TO INVENTORS.**

THE Subscriber begs leave to inform inventors and others that he manufactures working models of machinery &c. in a neat workmanlike manner. Patterns of every description made for Castings.—Scroll sawing neatly executed. Mathematical and Nautical Instrument Cases of every description. JOSEPH PECKOYER, 240 Water st. N. Y. j30 3m\* Between Beekman st. and Peck Slip.

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