

TO CORRESPONDENTS.

"S. W. H., of N. Y."—Letters Patent were granted in 1846 for an improved water wheel similar to yours. "It is worked on a vertical shaft, and receives the water upon it entirely around the hub. After the water reaches the wheel it is received into openings extending a considerable distance around the wheel. The bottom of these tubes incline downwards, and the vertical sides approach each other to such a degree that the areas or the cross sections of the tube are every where equal, and the water is finally discharged tangentially, in a thin vertical sheet, outside of the wheel." This plan appears precisely like yours.

"L. W. H., of N. H."—Prof. Morse's Patent was granted in 1846. His claims are found in the Report of the Commissioners of Patents of that year.

"T. A. R., of Pa."—Your enquiries are not properly within our line of business; however, as we have the information asked for, we will furnish it. Nero was a Roman Emperor, and was infamous in the extreme for his heinous crimes and vices. He set fire to the city of Rome, in order to gratify his evil passions, and it is said he "fiddled" during the conflagration. He assassinated his mother, and afterwards committed suicide to escape the rage of his countrymen. He belonged to the race of Cæsar, and was celebrated for his expertness in all kinds of games, and prided himself greatly upon his musical skill, which probably gave rise to the saying that "he fiddled while Rome was burning."

"A. O. S., of Mass."—To impregnate wool with the aluminous basis, it is commonly boiled in water, with about one-sixth or one-eighth of alum, and about one-fourth as much tartar. The heat is gradually raised to the boiling point, and the liquor kept boiling for about an hour, then taken out and drained, when it should be well rinsed. Wool, from its animal nature, has a much stronger attraction for alumine than either linen, silk or cotton, but will not decompose a solution of alum without the aid of a considerable degree of heat.

"G. W."—Communication received, and will be attended to without delay.

"K. A. L., of N. C."—Your communication has been received and examined. The principles set forth in your invention are identical to those found in the patent granted to L. B. Woods, of New Hampshire, some 6 months since. You had better not attempt an application.

"C. J. P., of Canada."—Your enquiries will receive attention by letter, in the course of a few days.

"W. H. S., of Mo."—Your model has been received and examined. There are several novel points in the combination worth securing by letters patent. You had better associate some person with you who has means to carry it through. We have never taken interest in new inventions in the manner proposed.

"H. W. R., of N. Y."—We have not been able to lay our hands upon the information you want; we may find it soon, and may not. If we do it will be published.

"J. S., of Phila."—You will find the information about propelling in the Franklin Journal, of the months of January and February, 1849.

1st. We could not answer, nor any other person. The back water has been prevented in many wheels that have been tried, but they had greater evils than the one they attempted to remove. 2nd. No velocity of the wheel can destroy the law of gravity. Every planet in space moves obedient to its mandate. We do not understand you in speaking of the velocity of the wheel overcoming a certain gravitating force. See Hutton's Mathematics on the Centre of Gravity.

"C. H., of Pa."—Three numbers of Ranlett's Architecture were forwarded to you on the 3d inst. We could not answer your particulars, therefore sent nos. 89 and 10 of vol. 1. The numbers were sent to Mr. Silkman's address.

"J. R., of Milton."—We forwarded on the 3d inst. 1 copy of Walker's Electrotyping to your address; \$1.00 received.

"A. R. H., of Benton, Ark."—We forwarded to your address one copy of Ewbank's Hydraulics; \$3.00 received and appropriated as you requested.

"G. A. I., of Ky."—Your letter of the 22d ult. came safe. We have forwarded by Livingston and Fargo's Express 9 numbers of Ranlett's Architecture, 1 Ewbank's Hydraulics, 1 copy of Monfitts Manipulations. We forwarded by express in July 1 Camera Lucida, and 1 number of Banlett, Carr, Spears, Dickerson & Co.

We have entered your name for two years subscription to the S. A.

"G. W. of Pa."—\$2. received.

"W. M. S. of Pa."—We can supply you with Miner's work on Bees, price \$1.50.

"W. & G. of Rockville."—It was an error, \$30 is what we should have acknowledged as received.

"W. B. of Ind."—We can furnish you with a work on the subject, you mention for \$3. P. S. E. of N. Y. W & G. of Ct. G. W. M. of N. Y. L. & B. of N. J. L. A. G. of Mass. A. R. of Pa. Four papers have been forwarded to the Patent Office, since our last issue.

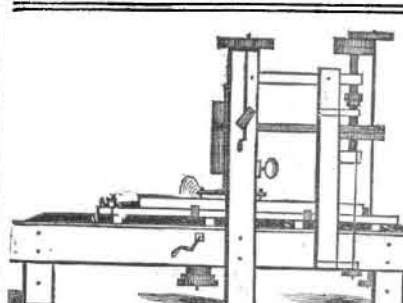
Money received on account of Patent Office business since Aug 29—P. S. E. of N. Y. \$22. W. & G. Ct. \$20. A. C. of N. Y. \$15. A. C. C. of Mass. \$30. T. B. per R. & C. of N. Y. \$30. P. B. of Ct. \$30. L. & B. of N. J. \$30. J. B. of Va. \$50. W. W. of Ct. \$30. R. O. G. of Ct. \$30. R. & W. of Ct. 30.

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THE above Works are now in successful operation, and the proprietor would respectfully call the attention of machinists and all consumers of the article to an examination of his Steel, which he is warranted by the testimony of the principal machinists and edge toolmakers of this city, to recommending as fully equal in every respect to any ever used in this country.  
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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, Statory, Painting, Daguerreotypes, 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 22d Sept. A check will be given for each article received, which must be presented when they are returned.  
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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. jy28

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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. Hazellhurst, 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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For England, Scotland, Ireland, and all other European Countries, and the transaction, generally all business relating to patents.  
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Augusta, Maine, Oct. 28, 1848. o28 ly  
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