

TO CORRESPONDENTS.

"Abbottsford."—Your communication has been received. You must excuse us for thinking your charge untrue and cowardly, for the reason that you did not sign your name to it. We are acquainted personally with Mr. Blanchard, and cannot endorse any such contemptible imputations against him. We have assigned the article to the flames, requesting you to adopt a different medium than ours to libel any person.

"I. J. W. A., of Del."—We forwarded on the 7th inst. one box, by Adams & Co.'s Express, care Cropper, Hopkins & Co., Baltimore, as per your directions.

"T. H. B., of Mass."—We have no copies of the abridged edition of Minifie's Drawing book on hand at present. The unabridged edition sells best with us and we find it no object to keep both kinds.

"Dr. J. B. R., of Ala."—Your favor of the 28th inst. has been received, the requests will all be attended to without delay.

"W. M., of Ala."—We have never seen a plan for keeping the day of the month similar to yours. You could no doubt obtain a patent for it.

"S. A. S. of N. Y."—Your plan for a telegraph across the Atlantic has been duly considered. We cannot give it our approval, in fact none of the plans proposed can ever in our opinion be safely adopted.

"J. K. B., of Ky."—We regret that we cannot give you any information in relation to "Winders Pump;" he formerly resided in Hagerstown, Md., but we think he removed from that place to Ohio. \$1 received and credited for 6 months' subscription.

"C. J. O., of Pa."—Your communication has been carefully read. We cannot publish it as it contradicts the most simple facts in chemical science. By a careful perusal of the Encyclopedia of Chemistry, you will find that your position is untenable.

"W. M. H., of St. Louis."—If you wish a good work upon drawing, we recommend "Minifie's Mechanical Drawing Book. The author is a teacher of this art in Baltimore and understands the subject well. Price \$3. The publisher of Chapman's Drawing book will not send any numbers until the money has been paid for them. Price 50cts. each, 3 numbers issued.

"D. B., of Detroit."—You can use the grate with the bottom taken off if you choose. The principle is the same. We do not know exactly how many back numbers you left, but send them by guess work.

"R. C. J., of Mass."—Mr. Swingle claims in his mortising machine, the combining of a driving, and two spur wheels with the augur and square chisel, the whole being portable, and moving in a sliding frame, in combination with the arrangement of the pitman, with a slab and regulating screw at its lower end, with a lever and right and left hand screw at its upper end by which to regulate the depth of the bore: A very excellent and rapid working machine.

"B. M. Van D., of N. Y."—We do not find among our list of Patents for 18 months back an atmospheric chum dash like yours, although we are now convinced that we have seen the same somewhere. It is difficult to tell what has not been done in the way of churns.

"E. R. R., of Vt."—The drawings and specification of your improvements are in the Patent Office, and cannot be returned to you, on any account as the law will not allow it.

"R. T., of Pa."—Your package was sent to Lanesboro, on the 6th inst, as you requested. The back numbers you will find enclosed with the volume.

"C. A., of S. C."—We forwarded you 10 numbers of Ranlett's in two packages on the 6th inst. by mail.

"H. W. C., of Mass."—Your papers have been returned to the office with the request that they should meet prompt attention. You are not the only person that has complained to us in regard to the action of the American Institute, don't worry. We trust you will meet that success, which is due your energy and industry.

"S. W., of Pa."—Your letter has been received and its contents carefully examined.—Nothing can now be done for the aggrieved party, unless he files an application in the Patent Office when it will be the duty of the Commissioner to give notice of interfering applications, and give each party an opportunity of establishing priority of claim. We do not care to interfere in the business as the circumstances are unknown to us. The course recommended above is the best and only way to decide the matter.

"A. P., of Ind."—The Camera can be forwarded to you by Express to some place near you, but we are unable to say how much it would cost.

"B. S., of Me."—You are at liberty to present your views for our consideration although, we should prefer to have you test them, before hand. We have no time to spend in testing new inventions, and never take any pecuniary interest in them. Hundreds of inventors visit this city for the purpose of experimenting with their inventions. We should think however, that any of your seaport towns would afford sufficient facilities for that purpose. Every plan strikes us favorably, which has a shadow of improvement about it, but we have not the slightest idea of yours, we cannot express an opinion pro or con.

"E. B. W., of N. H."—Will endeavor to attend to your request this week. It will save us much trouble if you could furnish the dates of the patents.

"W. B., of Mass."—The drawing and description of your mode of propelling has been received and carefully examined. We candidly give it as our opinion that it is one of the oldest principles known in propelling, and no patent could be secured for it. Buckets arranged on endless chains, have been described in some previous number of the "Sci. Am." and their application merely in a different way, does not constitute a patentable novelty. An experiment on a large scale, would prove its inefficiency, compared with the present system.

"M. K., of R. I."—The water Telegraph is older than the electric; it could not be worked so cheaply.

"A. B. C., Nova Scotia."—A method cannot be patented—the method you speak of is a mathematical discovery, not patentable by our laws. You can use a machine, when separate from another with which it is combined—remember that no patent covers two machines see the charge of Judge Grier in the last Sci. Am., and this one.

"D. I., of St. Louis."—We know of no recent improvements in the hoisting of machinery; if we do find out any we will get it up for you in a cut or drawing.

"G. L. C., of Norfolk."—We do not know what you mean except it is camphene—it goes by various names in different places. It is made by distilling highly rectified spirits of turpentine with some alcohol.

"T. E. & C., of N. Y."—Geo. L. Mason, of Williston, Vt., received a patent for the use of steam as a substitute for oil in wool carding, Sept. 4th, 1847.

"W. D. H., of Mass."—Yours has been received, and the engraving will appear in our next, if nothing happens.

The specifications and drawings belonging to individuals and companies with the following initials, have been executed since our last issue, and the former sent to the various parties for signature:—

C. A. & Co., of N. Y.; J. S. A., of N. Y.; Mrs. L. B., of N. Y.; C. D. & T. L. V., of Pa.; A. & W. B., of Ill.; J. C. & G. F. F., of Vt.; A. A. H. of Pa., and G. B., Jr., of Tex.

After receiving your specifications, and having examined and signed them, please return them back to this office for further action.

Money received on account of Patent Office business, since Dec. 6, 1849:—

J. D. J., of Ct., \$20; A. A. H., of Pa., \$23; O. W. S. of Ct., \$30; J. R., of N. Y., \$20; H. W. B., of N. Y., \$20; L. A. G., of N. Y., \$50; N. R. S., of Va., \$70; D. R. S., of N. H., \$30, and A. P. W. of Ct., \$25.

ADVERTISEMENTS.

Patent Office.

128 FULTON ST.  
NOTICE TO INVENTORS.—Inventors and others requiring protection by United States Letters Patent, are informed that all business relating to the procurement of letters patent, or filing caveats, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms Messrs. Munn & Co. can be consulted at all times in regard to Patent business, at their office, and such advice rendered as will enable inventors to adopt the safest means for securing their rights.

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128 FULTON STREET, NEW YORK.

THE RAMBLER FOR 1850.—The Boston SATURDAY RAMBLER will commence its Fifth Yearly Volume on Saturday, Jan. 5th, 1850, on which occasion it will appear in an entire new and elegant suit of type, printed on fine paper, and in all respects equal to the handsomest journal of the day. Several other important improvements and new features will be introduced, and it is intended that the paper shall in every respect present higher claims to the patronage of the public than it has yet pretended to. The volume will open with a splendid original romance by C. W. Webster, Esq., author of "Old Hicks the Guide," "The Gold Mines of the Gila," "Shot in the Eye," &c. It is entitled "The Bravo Ranger," or "The Scalp-Hunter of Chihuahua, and will probably extend through eight or ten numbers of the paper. Mr. Webster is known throughout the country from his daring excursions into comparatively unknown portions of the continent, as well as from the fresh and entertaining account of his adventures which he has given to the world in "Old Hicks" and the "Gold Mines of the Gila."

Among other features of our paper, worthy of note, may be mentioned the department for Farmers, in which original articles appear weekly from the best agricultural writers in New England; the Financial and Business department, under the direction of an accomplished financial writer; the Markets, which we report with more than usual fullness; the Shipping List, into which we condense with great care, all marine intelligence of interest to New England readers; the News Department, to which careful attention is devoted; besides which is given early intelligence of all new inventions, and discoveries, sketches of travel, historical, biographical and scientific articles, Sunday readings, puzzles, enigmas and problems, humorous sketches, and everything else that can benefit interest the ordinary reader. The illustrations will be continued weekly, and an entirely new field of embellishments will be entered upon.

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STEAM ENGINES, second hand, one each 1 1-2, 6, 8, 10, 20, and 30 horse power. New 1 1-2 and 5 horse, on hand, and orders taken for any size. Lathes new 5, 7, 6, 10, and 12 feet, the 8 feet lathe is a beautiful article, has back and screw gear, drill chuck, centre and follow rest, overhead reversing pulleys, swings 19 inches and price only \$200.

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PREMIUM STOVE POLISH, &c.—Quarterman's Chemical Oil Stove Polish, American Atomic Drier, Electro Chemical graining colors, and gold size. The stove polish is put up in tin boxes of 12 1-2 to 31 1-4 cts. Sold wholesale and retail at 114 Johnst., New York, by QUARTEMAN & SON, Painters and Chemists. 8 3m\*

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Munn & Co., Scientific American Office, are Agents for the above Lathes. Universal Chucks for sale at \$15. 4 3m.\*

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SUPERIOR TURNING LATHES.—James Stewart, 15 Canal st. and 106 Elm st. is constantly manufacturing and has now on hand between 50 and 60 superior Lathes of the following descriptions and at reasonable prices, namely:—Dentist's Lathes, very highly finished. common.

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BRITISH PATENTS.—Messrs. Robertson & Co., Patent Solicitors, (of which firm Mr. J. C. Robertson, the Editor of the Mechanics Magazine from its commencement in 1833, is principal partner,) undertake THE PROCURATION OF PATENTS, for England, Scotland, Ireland, and all other European Countries, and the transaction, generally, of all business relating to patents.

Instructions to inventors can be had gratis, on application to Mr. THOMAS PROSSER, 25 Platt street, New York; or also the necessary forms of Petition and Declaration for British Patents. PATENT OFFICE, 166 Fleet street, London. m1 tf

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