

Correspondents

P. C. M., of Ill.—Your remittance of \$4 is at hand. We will return your model and patent as soon as we can spare it.

C. B. Thompson, of St. Catharines, C. W., desires to correspond with some party who manufactures the best boot-crimping machine.

J. R. L., of Fla.—There is nothing new or patentable in the employment of saws for the purpose of trimming the edge of the board in the operation of tonguing and grooving.

L. H. Thomas, of North Adams, Mass., wishes to procure a machine for crimping zinc. Can some of our readers inform him?

B. M. & Co., of London.—Your letter of the 19th came to hand after your advertisement had expired, therefore too late to make the alteration in it which you propose.

D. A. M., of Pa.—You will find an engraving of a grist mill feeder on page 344, Vol. 12, Sci. Am., which we recommend you to employ in preference to the old plan.

M. L. P., of Ill.—You can procure pump augers of the Ames Manufacturing Company, Chicopee, Mass.

G. F. W., of Ohio.—Who are you? If you wish attention repeat your inquiries, and let us know who you are.

C. S. F., of Me.—You can obtain the book from Scribner's, Park row, this city. The price is \$2 50.

C. C., of Me.—You can procure a "Rose engine for ornamental turning" from J. Reece & Son, Haydensville, Mass. We do not keep machinery of this kind for sale.

J. M. B., of Pa.—The difficulty under which you labor at present is that the Commissioner of Patent's report is not yet published, and will not appear in all probability until near the close of this year.

H. J. K., of Mass.—A patent was granted to Thomas J. Spear, of New Orleans, La., July 16, 1841, for the following method of making indelible ink.

H. Z., of N. Y.—You ask, "How many engines can exhaust into the same condenser and keep the vacuum at twenty inches, with one air pump?"

N. S., of Wis.—The cheapest and best floating bridge which you can build for winter over a portion of the Mississippi is by logs with their ends put up and down the stream, well fastened together and planked on the top for the roadway.

J. E. B., of —It is not a new idea to generate steam in a boiler by injecting the feed water into the boiler or generator in fine spray.

C. R. T., of Mich.—Switches have been arranged so that while the cars are passing, they adjust it, to prevent them from running off the track.

M. B., of S. C.—Your ideas are good, but we could not carry them into practice without much trouble.

L. M. M., of N. Y.—A "horse power" means 2,000 pounds, lifted one foot high in one minute.

Z. D., of Ga.—On page 120, Vol. 5, Sci. Am., you will find an article on preparing hides for tanning.

A. T. H., of D. C.—Our former answer regarding the impossibility of obtaining an increase of power by simply increasing the diameter of a water wheel.

J. C., of Ohio.—We have cautioned the public about being too sanguine regarding the sugar crop to be obtained from the Chinese cane.

J. D., Jr., of Va.—You will find a full description of the new alloy resembling gold, on page 303, Vol. 12, Sci. Am.

M. T., of Iowa.—We are not acquainted with a single work which describes the process of making Bourbon whiskey, nor is there a book published on the distillation of American whiskeys.

S. H. B., of Ohio.—We cannot describe the hot air engine, as it now is, without drawings, so as to convey a proper idea of its construction and operation.

S. B. C., of Conn.—Umbre, either burned or raw, mixed with white lead, makes the most beautiful buff color for the outside of houses.

J. S., of Ohio.—The cartridge of the Prussian needle gun is not made of the most sensitive percussion material "within our knowledge."

J. R. B., of N. Y.—Can get the information he wants in regard to old coins by addressing Wm. Traver, of Camden, S. C.

J. S. D., of N. H.—Steel tools are tempered very hard by quenching them in cold salt brine when at a red heat.

Money received at the Scientific American Office on account of Patent Office business, for the week ending Saturday, March 13, 1868:—

- D. & M., of Pa., \$30; W. M. B., of Del., \$25; W. Y. G., of Ky., \$25; L. R., of Mass., \$40; D. M. L., of Pa., \$80; W. I., of N. Y., \$25; P. S., of Va., \$25; J. W. C., of N. Y., \$30; J. H. W., of N. Y., \$20; L. W. H., of N. Y., \$35; N. A., of Pa., \$30; H. & B., of N. Y., \$65; A. M., of N. Y., \$25; H. M., of N. Y., \$105; J. H., of Mo., \$55; H. B., of Pa., \$25; S. & A., of Mich., \$30; G. M. L. McM., of Ohio, \$35; W. W., of N. Y., \$20; W. D., of Wis., \$25; W. W. H., of Ohio, \$12; J. B., of Conn., \$30; W. D. J., of N. Y., \$30; T. K. W., of Conn., \$30; T. & McC., of N. Y., \$32; C. & B., of N. Y., \$30; J. McC., of Ohio, \$10; F. & J., of Ohio, \$30; T. F., of N. Y., \$30; A. D. B., of Mass., \$30; E. J., of N. Y., \$30; J. W. G., of Vt., \$25; W. M., of Ill., \$30; D. O. De W., of N. Y., \$25; M. T., of Conn., \$32; S. W., of N. J., \$30; N. P. E., of Vt., \$30; W. & D., of Mass., \$30; T. O., of Miss., \$10; W. O. P., of N. Y., \$20; J. S. D., of N. Y., \$20; H. S. V., of N. Y., \$35.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, March 13, 1868:—

- W. V. Jr., of N. Y.; H. B., of Pa.; W. M. B., of Del.; P. S., of Va.; J. B., of N. Y.; R. B., of N. Y.; E. K., of Pa.; W. Y. G., of Ky.; H. M., of N. Y., (3 cases); J. H., of Mo.; D. O. De W., of N. Y.; O. P. S., of Me.; W. W. H., of Ohio; J. V. A., of N. Y.; W. D., of Wis.; A. M., of N. Y.; M. T., of Conn.; T. & McC., of N. Y.; L. W. H., of N. Y.; J. S. D., of N. Y.; H. S. V., of N. Y.; O. S., of N. Y.

Literary Notices.

BLACKWOOD'S EDINBURGH MAGAZINE.—This able periodical for the present month (as republished) contains the "Journal of Capt. Burton," author of the "Pilgrimage to Mecca," and sent from Zanzibar, in East Africa, where he is now travelling.

THE ATLANTIC MONTHLY, for March, published by Phillips, Sampson & Co., of Boston, is sustaining its already high character for literary merit.

THE YOUNG MEN'S MAGAZINE for March is full of the most interesting and edifying matter.

TO OUR SUBSCRIBERS.

BACK NUMBERS.—Complete sets of the present volume of the SCIENTIFIC AMERICAN can yet be furnished at the subscription price.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within fourteen years, can obtain a copy by addressing a letter to this office, stating the name of the patentee, and date of patent when known, and enclosing \$1 as fee for copying.

RECEIPTS.—When money is paid at the office for subscriptions, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the paper a bona fide acknowledgment of the receipt of their funds.

TERMS OF ADVERTISING.

Twenty-five cents per line each insertion. We respectfully request that our patrons will make their advertisements as short as possible.

SAMUEL McELROY, CIVIL ENGINEER.—Late U. S. Naval and Civil Engineer. Special attention paid to water-works with pumping power.

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IMPORTANT TO INVENTORS.

AMERICAN AND FOREIGN PATENT SOLICITORS.—Messrs. MUNN & CO., Proprietors of the SCIENTIFIC AMERICAN, continue to procure patents for inventors in the United States and all foreign countries on the most liberal terms.

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The annexed letter from the late Commissioner of Patents we commend to the perusal of all persons interested in obtaining patents.

MESSRS. MUNN & CO.—I take pleasure in stating that while I held the office of Commissioner of Patents, MORE THAN ONE-FOURTH OF ALL THE BUSINESS OF THIS OFFICE came through my hands.

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