

Correspondents

J. L., of N. Y.—If you imagine that the machine you describe will operate of itself, you would be convinced of your error upon making a trial.

F. D., of N. Y.—The tarnishing of silver goods generally arises from the presence of a small quantity of sulphurous gas in the atmosphere.

D. M. B., of Tenn.—It is decidedly dangerous to use chalybeate water in a boiler. The purer the water is in a boiler, the better.

T. T. E., of Oregon.—You had better purchase Dr. Reidon the "Ventilation of American Dwellings," published by Wiley & Halstead, 351 Broadway, New York.

J. S. H., of Cal.—Carbonic acid has long been known to possess antiseptic properties, but it is not so strong or so convenient of application as pure carbon, or charcoal, which is the best antiseptic known.

J. L. & D. D.—It is not new to form journals hollow, with small openings in the portions of their peripheries which bear on the boxes, for the lubricating oil or water to percolate through.

H. P., of Mo.—Your ideas of the advantages of low roofed rooms are incorrect; a sitting-room cannot be too high.

A. B., of Mo.—The method of making and filling balloons, and a full history of aerial navigation, is given in Wise's "History and Practice of Aeronautics," published by J. A. Speel, Philadelphia, in 1850.

B. S., of Md.—We have received your communication to the Atlantic telegraph cable, and in view of the early arrival of intelligence of the result of the last effort to lay it, we have concluded to postpone the consideration of your views until after that period.

J. H. G., of Ky.—Your arrangement of cog wheels is well known, and is called step gearing. It is in use on some of the ocean steamships for driving screw propellers.

J. B., of Fla.—Mucilaginous substances, like slippery elm or potatoes, have been successfully used for removing scale from steam boilers. The material which we believe is generally considered best for covering steam pipes to prevent condensation, is felt, but either of the materials you propose we should think would serve very well.

L., of Cal.—We are not aware of any new deodorizing agent which has lately achieved great success, and we think that common chloride of lime, or, as it is called, "bleaching powder," is the best.

I. H. C., of Ohio.—We do not discover anything new in your filter. Small filters to be attached to hydrants have been so constructed that in filtering the water passed upward through the diaphragm, and provision was made by a two-way cock, to cause the water to pass upwards to be filtered, or downwards to wash away the dirt.

C. C., of Mich.—You have done wisely by submitting your invention for examination before exposing its peculiarities to the inspection of the curious.

Z. H. & C., of Ohio.—The "curiosities" you send for our examination are simply quartz stones. They are about equal in value to some pearls, which, it is said, were obtained in a small brook in Massachusetts after a week's labors.

G. C., of Mass.—Henry Wadsworth did not obtain a patent in 1856 for an adhesive plaster. It is not the subject of a patent; therefore, you can go on and make a plaster for wounds of isinglass or any other substance.

J. J. H., of Ala., and G. C., of Ga.—Procure one of Wheeler & Wilson's sewing machines. You cannot do better.

A. T. B., of Ohio.—Pitts' patent on separators expired on the 29th of last month. The patentee memorialized Congress for another extension, but the Committee on Patents made an adverse report. The invention is now public property.

Money received at the Scientific American Office on account of Patent Office business, for the week ending Saturday, July 3, 1858:—

- H. C. S., of Ohio, \$30; S. B. R., of —, \$33; M. M., of L. I., \$30; C. L. S., of Ky., \$35; J. J., of N. Y., \$30; E. R., of Wis., \$25; J. D., of Conn., \$30; J. M., of N. Y., \$30; R. P. B., of Pa., \$30; J. R. F., of Ohio, \$30; J. M. E., of N. Y., \$30; C. & S., of L. I., \$30; J. C. C., of N. Y., \$30; M. B. H., of —, \$30; J. M., of Iowa, \$50; J. H., of Ind., \$35; H. C. F., of Pa., \$55; G. H., of Conn., \$25; J. D. S., of Ohio, \$25; S. H., of N. H., \$30; I. P. H., of Ill., \$30; G. W. S., of Conn., \$35; C. P. S., of Cal., \$25; A. E. McC., of Minn., \$20; E. G. G., of N. Y., \$30; L. & G., of Conn., \$25; R. B., of N. Y., \$25; H. & H., of N. Y., \$30; A. W., of N. Y., \$30; S. B. S., of Mo., \$25; E. G. A., of Conn., \$30; F. D. L., of S. C., \$250.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, July 3, 1858:—

- S. N. L., of N. Y.; C. L. S., of Ky.; A. S., of N. Y.; S. B. S., of Mo.; G. H., of Wis.; R. B., of N. Y.; J. M. E., of N. Y.; G. W. S., of Conn.; C. P. S., of Cal.; E. R., of Wis.; J. D. S., of Ohio.

Literary Notices.

LOAD MONTAGU'S PAER. By G. P. R. James. Childs & Peterson, Philadelphia.—This is a new historical romance from the pen of this most prolific of modern authors, and will no doubt be hailed with pleasure by thousands of readers who devour each new work as it comes from Mr. James' pen.

BLACKWOOD'S MAGAZINE.—The above magazine for this month is a most entertaining number. Messrs. Scott & Co., No. 54 Gold street, this city, are the publishers of the four British Quarterlies, namely: the Edinburgh, Westminster, London and North British Reviews, as well as the above magazine, and to their credit it should be related, they voluntarily pay over \$3,000 per annum to the foreign publishers.

TERMS OF ADVERTISING.

Twenty-five cents per line each insertion. We respectfully request that our patrons will make their advertisements as short as possible. Engravings cannot be admitted into the advertising columns.

\*. All advertisements must be paid for before inserting.

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McALLISTER & BROTHER, 728 Chestnut st., Philadelphia. McAllister's priced and descriptive furnished gratis, and sent by mail free of charge.

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DISTILLERS' AND HOG FEEDERS' ATTENTION.—Robinson's Calimilarity. The subscriber will furnish a receipt to distillers and hog feeders that will keep hogs healthy, and prevent them from eating the pens, and will change the character of their excrement in two days after they are put into the pens.

ANDREWS' CENTRIFUGAL FORCE AND Suction Pumps.—Illustrated in Sci. Am., October 24 1857. Sizes, from 60 to 4,000 gallons per minute. Larger sizes made to order.

NEW ORLEANS.—VOSE & WEST, Commission Merchants for the sale of Machinery, Agricultural Implements, &c., New Orleans. Refer to W. P. Converse & Co., 42 Pine street, New York.

WATER WHEELS.—VANDEWATER'S Improved Jonval Turbine Water Wheel is now manufactured in the best manner by MASON & BLAKENEY, Springfield, Ohio. Also Ostot's Saw Gunner. Address as above.

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