## Scientific American.



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. We have no confidence whatever in such a jumbled-up mess of wheels, rollers, gudgeons, inclined planes, weights, &c. We mean to do you a service when we say that your time is completely wasted upon such moonshine projects.

F. D., of N. Y .- The tarnishing of silver goods gen-erally 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. You should read our articles on the subject of boilers in the two last and next numbers

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 ærial navigation, is given in Wise's "History and Practice of Æronautics," published by J. A. Speel, Philadelphia, in 1850.
B. S., of Md.—We have received your communica-

tion on 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 remov ing scale from steam boilers. The material which we believe is gree erally 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. We have no knowledge which enables us to say which would be the best. It is decidedly advisable to provide a cock for the escape of water of conden-sation from the pipe. A common force pump would serve the purpose of feeding the boiler.

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. Make a saturated solution and bottle it, and you will find that it will sell well. You had better communicate with Mr. Benson, of Front street, Brooklyn, concerning a vacuum pau, telling him the work you wan': to do.

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. Wright's patented filter is on this principle.

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. The best of them were valued at a cent apiece.

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 serving 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., \$25; J. J., of N. Y., \$30;
 E. R., of Wis., \$25; I. D., of Conn., \$30; J. M., of N.

Literary Notices,

LOAD MONTAGU'S PAGE. 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. The present romance seems rather whimsical in its character; but the inci-dents must be exciting, the personages graphically drawn, and the unities of the story well preserved, as all will bear the impress of the master's hand.

all will bear the impress of the master's hand. 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 pub-lishers 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. New volumes of these able periodicals commence this month (July), thus affording a good opportunity for new sub-scribers to begin and old subscribers to renew their subscriptions. Those who desire to be well versed in foreign literature should read these publications.

## TERMS OF ADVERTISING.

Twenty-fivecents per line each insertion. W'c repectfully request that our patrons will make their ad-vertisements as short as possible. Engravings cannot

be admitted into the advertising columns. \*,\* All advertisements must be paid for before serting.

## IMPORTANT TO INVENTORS.

IMPORTANT TO INVENTORS. A DIGITIORS AND FOREIGN PATENT SOLICITORS MASSES MUNN& CO., Proprie-tors of the SourATTIC Angences, continue to procure pounties on the most liberal terms. Our experience is of twelve years' standing, and our facilities are un-equaled by any other agency in the world. The long experience we have had in preparing specifications and anyoing has rendered as perfectly conversant with the mode of doing business at the United States Patent Office, and with most of the inventions which have been matented. Information concerning the putentability of inventions is freely given, without clearse, our sending a model or drawing and description to this office. Consultation may be had with the firm, between nine and four o'clock, daily, at their principal office. 128 Fulton street, New York. We have lately established a Trach Agency on the corner of F. and Seventh strets, Washington (opposite the United States Patent office). This office is under the general superinten-dence of one of the firm, and is in daily communication with the Principal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. We are very extensively engaged in the preparation and securing of patents in the various European coun-trifices. For the transaction of this business we have the zeropean patents secured to American citizens are zero through our Agency. Martin, Paris; and 28 Rue des Eperonniers, Brusses. We thin we may affety as that three-fourths of all the curopean patents secured to American citizens are zero through our Agency. Martin, Paris; and 28 Rue des Eperonniers, Brusses. We through our Agency the requirements of the Patent Office, c. may be had grithe brunches. MUNN & COMPAY. No. 125 Fulton street, New York.

the annexed letter from the late Commissioner of Patents we commend to the perusal of all persons in-terested in obtaining patents :--

MESSIGN MUSING 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 THE OFFICE came through your hands. I have no doubt that the public confidence thus indicated has been fully de-served, as I have a lways observed, in all your inter-course with the Office, a marked degree of promptness, skill, and fidelity to the interests of your employers. Yours, very truly, CHAS. MASON.

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