Scientific American.

TO CORRESPONDENTS.

(a)

> W. B. G., of N. Y .- Your duck's-toot propeller will new r answer so good a purpose as the common screw. C. E. W.-We think your rock drill is patentable, but fear it would not work well. The pistons could be worked to better advautage with springs.

> W. R. C .- Curved cutters for tenoning, similar to yours areused in this city. Your improvement is not patentable J. A. R., of Mass .- We think we could have your caveat fee applied towards your new machine. No money is even refunded on caveats. Your carpet stretcher we regard a new and patentable.

Warren Gale, patentee of a Straw Cutter, will very much

oblige us by communicating his where abouts to this office. D. B. C., of N. Y. - Paddle wheel buckets, placed at an angle as you propose, have been applied to paddle wheels many years ago. They do not exert the same propelling force on entering the water as they would if straight or ra

D. R., of Tenn.-Banz & Andrews of Frederick City, Md.,

H. C. C., of Iowa-Address Appleton & Co., N. Y., for the books you name. \$1 received.

H. B. F., of N. Y .- Your churn is very old and not pat entable.

N. C. P., of N. H.-Your board cutter is not new ; round disk knives have long been known. A. H., of Va.-You will find a full description of the

method of preserving meats and vegetables on page 325, Vol. 7, Sci. Am.

J. J. Y., of Ky .- There is no such filter patented as the one to which you refer. You can make one you self by allowing the rain to fall upon cotton cloth, then through char-coal and clean sand into the cistern ; make it large and wash the cloth frequently; it only requires a wooden box for the

G. W. S., of N. S.-Yours will be published next week.

C. D. C., of Va.-Your invention is identical in principle with the water wheel which drives a force pump, and thus raises writer enough to krep the wheel in motion, in other words, it is a perpetution. The only difference is that you employ three pumps and one syphon more than is ne cessary. You ask us if your theory is correct, and state that if it is you can easily draft the details. The correctness of your theory may be very easily tested : place your self in a standing position before a picket funce; let your hands gather.up the seat of your pantaloons : and now exert all the strength of your arms in an upward direction. If, by this effort, you find yourself safely landed on the other side of the fence, you will have practically demonstrated the truth of your theory. If, however, your clothing gives way without lifting you from the ground, you may depend upon it that your plan is false in principle and will not operate.

describe, are not new. They were proposed several years since in England, and the plan has several times been submitted to us.

C. W. S., of Ohio-Your excellentarticle on Coach Painting has been delayed until next week. M. B., of Ky.-When you can demonstrate the question so

ensily, you do not require to ask our opinion. Set up a scantling on a pivot and balance it ; then place 50 lbs. aton end and 100 lbs. at the other, and advance the latter towards the fulcrum until the less halances the greater, and you will have a solution to your question.

G. E., of N. Y .- Your plan of sounding the Niagara river appears feasible.

E. W., of Ind .- The dyers here find no difficulty in making sulphate of indigo with common vitriol, and Bengal in-digo, if the vitriol is new and fresh, but not when it is old and has been exposed to the air. We cannot nuderstand how you have failed to make it, and that it would not min with hot or cold water. American vitriol makes as good chemic as any other.

J. E H., of Ohio-Yourswill appear next week.

S. A. M., of N. Y.-Your inquiries will be answered when you give us your name and number-not before. You had better bring your model to our office yourself as you reside is the city.

A correspondent, who signs himself "An Old Inventor, desires us to send him a circular of information relative to patents. He gives no name or residence, and therefore we cannot comply with his wishes. He also asks a number of questions on other subjects. Correspondents should, in all cases, give their names and residences in full, for anonymous writers receive no attention in our columns.

R. McG., of Geo.-The subject of steam is one of continual growing importance. Great improvements will no doubt yet be made in the saving of fuel. Persevere with your experiments.

G. H., of Pa.-A combination of oil, charcoal, and shav-ings, for kindling, would not be patentable. B. A., of Ind.-Petition and \$1 dollar received. All

right. N. C., of Ohio-The idea of shutting the throttle instantly

on the bursting of a pipe, could not be patented. Your as rangement of mechanism for accomplishing the same, if new, could be secured.

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UNITED STATES PATENT OFFICE, Washington, May 19, 1855. Or THE PETITION of Emily C. Pulluran, adminis-tratrix of the estate of Lewis Pullman, deceased, late of Albion. N.Y., prayingfor the extension of a pa-tent gra-ted to the said Lewis Pullman, on the 21st day of August, 1841, for an iuprovement in "machines for removing buildings," for seven years from the ex-piration of sud patent, which takes place on the 21st day of August, 1855. It is ordered that the said petition be heard at the Patent Office on Monday the 6th day of August next, at 12 ofclock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted. Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application. The testimony must be filed in the office on or before the morning of that day; the arguments, if any, within the nucleilyencer, and Evening Star, Washington, D. C. ; Pennsylvanian, Philadeiphia, Penn, ; Scientifd American. New York; Daily Baltimore Republican, and Post, Boston, Mass., once a week for three successive yof hearing. CHARLES MARON, CHARLES MARON, CHARLES MARON, CHARLES MARON, CHARLES MARON, Interson of the apper on.

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