# Scientific American.

#### TO CORRESPONDENTS.

A. J., of N. H.-The fact of your having filed a ca > ea will not debar others from constructing and selling machines of the same construction. Should you obtain a patent you can recover for infringement only from the date of the pat ent, not from the filing of the caveat.

J. R G., of Ohio-You will perceive that the article you allude to has been published. Your design for sawing is very good, but a patent could not be obtained for it.

H. W. W., of Mass.-We think your invent on possesses one patentable feature, viz., the method of regulating the pressure of the spring. It is no infringement of Webster's The expense of a patent is so small that it ought to pay the cost.

J. D. B., of Ala.-We think that the improvement in thrashers, which you describe, can be patented. \$1 re ceived.

C. A. H., of Conn.-Apply to Joseph E. Holmes, Esq., Newark, Obio, Machine Works, for the engine, etc. At that establishment they make some of the best engines. Dort able and others, to be found in the country. F. W. E., of N. Y.-To restore old hard boots and make

them soft, steep them in cold water for a few hours and then em a dose of neat's foot oil. give 1b

N. M. G., of Mich .- We cannot give you a receipt for out side plaster on lath that will stand the weather. The best you can do is to put on common plaster, allow it to dry, then wash its surface with a strong solution of alum, and allow t to dry, and afterwards give a coat of oil paint containing no turpentine.

J. G. S., of Geo.-We have published all the receipts to which you allude in former volumes of the Sci. AM., 7, 8, and 9. and we do not like to publish them again. D. C., of Pa.-There is nothing patentable in your dump

ing box. J. K., of Pa.-Gwynne's pump operates as a suction; it

can be made to lift an immense quantity of water.

K. H., of Ohio.-We do not know of a work as profound nd useful as the one you want. The Metal Worker's Assistant may answer your purpose.

J.C , of Ga.-Cannot tell you the price of Sted man's sew ing machine; write him. R. M. H., of Pa.-\$55 will cover all expenses of the ap-

plication for a patent. P. F. C., of Pa.-Your money has not been received ;-

the best battery to use for blasting is one illustrated in this number of the SCI. Am.

J. W. B., of Pa.-If you keep yourrake bandles well painted and dry you needhavs no fears of the small grub that eats them.

ΞG. W. M. of Vt.-For a verysmall column of water and a very high fall, as stated in the article to which you have referred, you can easily understand how the velocity can be reduced and the momentum given out better by an engine than a water wheel.

J. H., of Boston-We have not yet obtained an account of the cement you speak of, but it is well known that a ce-ment of gutta percha and india rubber, in solution, will unite the soles of boots to the uppers very firmly.

L. S. & Co., Pa.-The first Vol. SCIENTIFC AMERICAN cannot be obtained ; it is very scarce.

W. S., of Boston-We cannot tell you how to copper pin witbout a battery. The London Mining Journal contained

the account you refer to. A. S. H., of — You can have the sectional area of the barometer tube of any size. The price of common tubes is

only a few shillings. B. S. B., of Fla.-A hydraulic ram with not a throw up water to drive a wheel. It would be better to apply the water direct to an undershot wheel.

A. L., of Pa -A pipe is not so strong as a solid piece o iron of the same thickness. A tube is stronger than anoth, er piece of metal of the same weight. Make the corn.sheller, crusher, and saw, neat and just as convenient for hand ling as you can.

G. F. of Wis .- You are right about the buckshot for howitzers, but in storming Sevastopol the bayonet alone will be used. At present large balls alone can reach the forts

W. B. G., of N. Y .- We really cannot answer your ques tion. The amount of water your boat has to displace can be measured by the submerged section ; the weight of water is  $62\frac{1}{2}$  lbs to the cubic foot. The pressure of the steam, the area of piston, and its velocity, will help you to arrive

at a proper conclusion. J. R. S., ot N. Y.-We cannot give yous better plan than the one you have tried to preserve the strawberries only to keep them for a longer period in the boiling wa ter before you solder the cans. Some oxygen must have

been left in the ones you tried. J. McP., of Ark - Whitewash cannot be m like white lead. Use a little glue, salt, and alum in your

whitewash, to prevent it rubbing off. O D., of Md.-McCormick is patentee of the zig-zag side edge reaping cutter.

J. S., of N. Y -There is really no such an independent force as that called centrifugal ; the force so called is at ex hibition of the law of inersia. Examine the question those oughly, and you will fin this to be true.

C. A. W., of Iowa-See a report on the subject of scale in boilers on another page. If "One who understands gas," will just show that be

does so, by a respectable short letter relating to Howd's Regulator, it may find a place in our columns. The let er ou have sent us bas a very appropriate signature so lar as the letter itself is concerned.

R. H., of N. Y.-You should always surround the stove pipe with a collar of earthenware. The expansion and contraction of the pipe shake the bricks loose.

O., \$10; J. H., Jr., of Wis., \$55; D. F. K., of Mass., \$10; S. R., of La., \$35; M. S., of O., \$30; G. B., of Wis., \$43 E. B. G., of N. Y., \$25; W. F., of N. Y., \$30; J. A., of Pa., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 23 :-

M. McG., of Mich. ; T. E. C. B., of Ky. ; J. E., of Mass. S. & B., of Mich.; L. D. P., of N. Y.; R. W., & D. D., of O.; S. R., of La.; J. F. S., of N. Y.; H. J. C., of N. Y.; W. F., of N Y. ; J. & E. A., of N. J. ; J. A., of Pa. ; G. B., of Wis,

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TORS. THE UNDERSIGNED having had TEN years' practical experience in soliciting PATENTS in this and foreign countries beg to give notice that they con-tinue to offer their services to all who may desire to se-cure Patents at home or abroad. Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average *fileen*, or *une-third* of all the Patents issued each week, are on cases which are prepared at our Agency. An able corps of Engineers. Examiners, Drauchiesmen and Specification writers are in constant employment, which enders us able to prepare applications on the shortest notice, while the experience of a long practice, and facilities which few others possess. We are able give the most oor ect counsels to inventions in regard to the patentability of inventions placed before us for ex-angingtion.

give the most correct counsels to inventors in regard to the patentability of inventions placed before us for ex-amination. Private consultations respecting the patentabili ty of inventions are held free of charge, with invent-ors, at our office, from 9 A M. until 4 P. M. Partless residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and descrip-tion of the improvement should be first forwarded, which we will examine and give an opinion as to Batent-ah, ity, without charge. Models and fees can be sent with safety from any part of the country by express. In this respect New Tork is more accessible than any other city in our country. Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps to wards making an application. In addition to the advantages which the long expe-rience and great success of our firm in obtaining pat-ents present to inventors, they are informed that all inventions patented through our establishment, are noticed, at the proper time, in the BCISNFIC AMASHOAN, This paper is read by not less than 100.000 persons every week and enjoys a very wide spread and substantial influ nce. Most of the patents obtained by Americans in foreign

Week and enjoys a response term and sprace and infinite nee. Most of the patents obtained by Americans in foreign countries are secured through us; while it is well known that a very large proportion of all the patents applied for in the U.S., go through our agency. American and Foreign Patent Attornics, 128 Fulton Street, New York; 32 Essex Strand, London; 29 Boule-vard St. Martin, Paris : 6 Rue D'Or. Brussels.

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for covering grass is an smalgum of in foil and m The mode of applying it, we believe, is a very diffic eration. We are not acquainted with it. The bat	nt op. The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to	FINE ANTISAN JOURNAL-A Monthly Record	B. ELY Gounzellor at Law. El Washington st., A Boston. will give particular attention to Patent Gases. Refers to Messra. Munn & Co., Scientific Ameri- can. 16 17
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