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TO CORRESPONDENTS.

A. J., of N. H.—The fact of your having filed a cabes 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

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

C. A. H., of Conn.—Apply to Joseph E. Holmes, Esq.. Newark, Ohio, Machine Works, for the engine, etc. At that establishment they make some of the best engines, port able and others, to be found in the country.

F. W. E., of N. Y.—To restore old bard boots and make

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

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 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.

i). 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 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.

EG. W. M. of Vt.-For a very small 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 vet obtained an account of the cement you speak of, but it is well known that a cement 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. Scientife 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

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

W. B. G., of N. Y .- We really cannot answer your ques tim. The amount of water your boat has to displace can be measured by the submerged section; the weight of water is 62½ 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., of N. Y.—We cannot give you a 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 inertia. Examine the question thou 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 wnother 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 u 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.

you to protect your interests in England than to bave a provisional patent taken. The total expense for six months would be about \$100. This amount would apply towards the completing of the patent.

F. W., of Ohio-In speaking of high pressure steam, always remember that an equal quantity of it is just low pressure strem confined in less space. Fairbairn means nothing more. High pressure engines should always have cut off, not to allow them full stroke, because there is a back stroke. This is the case in all locomotives.

P. F. C., of Pa .- We have received your electro plated egg. It is a curiosity; accept our thanks. The mercury for covering giass is an smalgum of tin foil and mercury The mode of applying it, we believe, is a very difficult operation. We are not acquainted with it. The battery of Chester, on another page, is good for blasting purposes.

count of Patent Office business for the week ending Satur day, June 23

G., of Mich., \$10; T. E. C. B., of Ky., \$17; J. A. W., of Ark., \$30; J. F. H., of Pa., \$30; W. S., of N. Y., \$10; S. & W. H. B., of O., \$30; A. G., of Mass., \$30; G. P. D., of Pa., \$30; W. & M., of O., \$30; D. W., of N. Y., \$30; A. G., of Mass., \$30; G. P. D., of Pa., \$30; W. & M., of O., \$30; D. W., of N. Y., \$30; A. G., of N. J., \$70; R. W., & D. D., of O., \$25; L. D. P., of N. Y., \$25; H. T. R., of Mass., \$10; H. T., of 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; L. M. S. G., of N. Y., \$25; W. F., of N. Y., \$30; J. A. W., of N. Y., \$25; W. F., of N. Y., \$30; J. A. W., of N. Y., \$25; W. F., of N. Y., \$30; J. A. W., of Mass., \$10; Particle of the pounds—Cumberlands Metallic Oil, and Yockney's prounds—Cumberlands 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

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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give the most core ect counsels to inventors in regard to the patentability of inventions placed before us for examination.

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The mode of applying it, we believe, is a very difficult operation. We are not acquainted with it. The battery of Chester, on another page, is good for blasting purposes.

Money received at the Scientific American Office on account of Patent Office business to the week ending Sature 8, t. B., of Micb., \$25; T. B. M., of Mass., \$30; M. Mc.

NORCROSS HOTARY PLANING MACHINE.

The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to Micholas Ge. Norcross of date Feb. 12, 150, for a Rutary Planing Machine for Planing Boards and Planks, is not an infringement of the woodworth Patent.

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