## Scientific American.

## TO CORRESPONDENTS.

3. J

H. D. B., of Mass.-You will remember that every ad ditional saw will require an increase of power. A hun-dred saws can be used for sawing stone. There is no difficulty in arranging them to work, but more power is required, and this is an objection.

S. C., of Ct.-Your speculations savor more of folly than they do of common sense. If we are wrong, you are to a chuck or vise. You patented an improved wrench very far from being right. The personal remarks are and not a specific mechanical device independent of its badly conceived. G. C. C., of Ohio-If you will send us a sketch and de-

J. D. S., of Ohio-We do not find time to attend to such

M. C., of Ct.-It would take a pretty large fish hook to catch a whale. You do not state how you propose to in-duce them to bite. There are but two species of whales captured for their oil. The sperm whale has a tremendous head, with a small lower jaw, on which large ivory teeth are arranged. They have no upper teeth, but in lieu thereof cavities, into which the under ones fit. The other species, called the right-whale, has a very large mouth, but no teeth, so to speak. The substitute for them consists of the long slabs of whalebone fringed with a substance resembling hair. These slabs hang down verti-cally from the roof of the whale's mouth; his food con sists of the insects floating in the water, which adhere to the hair fringe. C. K., of O.-Balsam of sulphur is nothing but a

on composed of olive oil mixed with sulphur. You can make it The odor is very disagreeable. G. McC., of N. B.-We could not advise you to apply

for a patent on an apparatus that will only be able tore-cord five thousand letters per hour by telegraph.

ing Sisal hemp would be valuable, in order to know the difficulties to be overcome by a machine.

C. D. M., of N. Y.-Your excellent list of subscribers C. D.  $M_{..}$  of N. Y.—Your excellent list of subscribers have been entered on our book. The machine for which you have applied for a patent is a good one we presume, but we cannot say what the result will be. The com-petition is almost as fierce as the late assaultupon Sevas-is not a patent by the value of the sea. A pump to be operated by the waves is not a patent by the value of the sea. A pump to be operated by the waves is not a patent by the value of the sea. A pump to be operated by the waves is not a patent by the value of the sea. A pump to be operated by the waves is not a patent by the value of the sea. A pump to be operated by the waves is not a patent by the value of the sea. topol.

B. C. C., of Tex.-Pressure has been applied with success to the casting of metals, to increase their density.-Fairbairn instituted many experiments. The cause you mention for the bursting of guns is no doubt correct, but the breech is considered the part on which the greatest pressure is exerted, and practically this has been found to be the case. It has not yet been proven that the Russians have superior guns, except in the quality of cast metal. Banded wrought iron guns have been tried with-

center of the axle, and the heckle is composed of steel wire. The scutching is done with a rotary metal disk with brushes fitted to it. Send us a sketch of your machine, and we will examine it.

C. C., of M.—Improvements in making clay ware have been patented here within eighteen months, which consist in expelling the gases of the slag by pier ing and pressure during the presence of the fused slag in the mold, and in subsequently submitting the molded slag to the action of an annealing furnace, all in order to prevent the cracking of the product.

E. A., of Pa.-Horse shoes are made by machinery. There are a number of patents for this purpose. If you wish your planexamined, send us a sketch and description of it

D. M., of R. I.-An instrument to indicate the number of yards woven by a loom is not new. Such devices are.

G. L. Grier, Milford, Del.-Wishes to procure the ad-

dress of a manufacturer of plow handles. H. V., of N. Y.-A hollow tube made of tin, with

flanges attached for coring and quartering apples, is not a new device; we have seen the same thing. C. C. of N. C.—Vacuum pans are now very generally usedfor boiling the liquid sugar. The system formerly used was to boil it in large open pans, at a temperature of about 240 degs. Fah. The crystallization could only be partially obtained, and in consequence much injury was done to the sugar. The vacuum pan has been used a great

many years. A. E., of Vt.—The manufacture of earthenware is not a very important branch of business here. We importan immense quantity of cheap ware from Great Britain, where it is largely made and cheaply furnished. In glazing ware, the vessels, after they are immersed in the liquid, should be placed into close boxes, so as not to allow the flame to touch them. Care should be taken to equalize the heat through the kiln in the process of meiting the glaze

L. S. P., of N. J.—The word Avoirdupois is of French origin. How it became so universally adopted we can scarcely tell. It signifies "to have weight." and is writ-

ten in French as follows: " avoir du pois." L. B. P., of Ohio- We do not remember to have seen a corn planter that embraced the features contained in yours, and we therefore think there is a chance for a patent on it, but you should bear in mind that many inventi ns have been made for the same purpose.

J. A. B. of N. J.—The sketches of your copying press es have been examined. The only press we find patented that in any way seems to interfere with yours, is that of A. A. Wilders, patented March 11, 1851. Yourmethodof ing. operating the folding plates is different from Wilders, and you can doubtle is sustain a claim upon it.

S. J. W., of Mich .- The sketch of your water wagon has been examined : we do not discover in it anything upon which a patent can be secured. Neither do we re gard it as possessing sufficient utility to justify any expense in an attempt to patent it.

IL L. S., of Vt -The Patent Office will not grant patents for marble saws unless they are original inventions Where there are two or more applications that embrace the same features, the Office declares interferences, and the applicant that proves to be the original inventor will the patent granted to him

E. W., of Mich.-It is very difficult for us to judge of the

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B. F., of Ohio-Inthe greatmarble saw race all sorts of IMPORTANT TO INVENTarrangements and all sorts of saws have been invented. Your ideas are not new. If you have more than one claim in your patent you have a right to license out one claim without the whole right.

A. G., of Mass.-We gave it as our opinion that it would be no infringement on your wrench, to apply the principle A. Q., of N. Y.-Mr. B. delivered your model; a new

scription of your improved apparatus for raising water, model and a new application entirely will have to be made we will examine, and report our opinion upon it. on your engine in order to secure the arrangement you describe. A. L. J., of Vt .- Yours has been received and will meet

with attention. J. M. C., of Boston-Your syphon will not operate.

When the valve is opened at the top of the curve, the pressure of the air will counterbalance the ascending column of water and cause it to cease flowing.

G. W. R., of Ky.-There are various brick presses in use, and their object is to make bricks of superior character and cheaper than by hand. The tempered clay is taken comparatively dry, and submitted to severe pressure in the molds and then discharged. They are stacked and burned like common brick. On page 24, Vol. IX. Scr. Ast. the brick kiln of Mr. Smith, of Baltimore, is illustrated. He manufactures bricks with machines of his own invention. You should examine some brick presses in operation ; this might save you both toil and expense S, E., Jr., of S. C.—The article to which you refer

must be a mere notice of the French method of making salt. This is done by solar evaporation in long pans. The | salt is made very slowly, but it is of the best quality.

R. D W., of Mass.-Some slacked lime introduced into W. C. D., of Key West-Some information about clean- your well ought to kill all the leeches. It will not take much to do this, but it will make the water hard. We can recommend no other thing. You should use considerable

> the end may be. Your float pump may combine some features for which a patent may be obtained.

> Money received at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the week ending Saturday, Oct. 6, 1855 :--

 Sauthay, Oct. 5, 1853 B. & H., of Mass., \$25; J. H. M., of Mo., \$55; N. C., of Ct., \$30; T. & S. H., of N. Y., \$30; G. W. P., of N. Y., \$10; H. L., of N. C., \$30; H. W. C., of Mass., \$25; W P. C., of La., \$30; H. N. D. G., of N. Y., \$30; H. N. B. of N. Y., \$30; J. G. W., of N. Y., \$39; W. H. M., of Mass. B. T., of Ind.—Ingenuity has been active for years in \$30; W. B., & Co., of R. I., \$25; M. R., & Sons., of Pa., improving flax dressing machinery. In the machine to which you refer, the scutching board is placed above the center of the axie and the hashes is placed above the M., of N. Y., \$30; I. S. P., of VI. \$30; J. C. D. \$30; J. C. D M., of N. Y., \$30; I. S. P., of Vt., \$30; J. C. D., of N. J., \$250; J. T. J., of Ill., \$45; B. T. B., of N. Y., \$50; R. T. 52.00 f N. J., \$15 ; J. H. Jr., of N. I., \$50 ; R. I.
 \$30 ; N. J., \$15 ; J. H. Jr., of N. Sis, \$30 ; A. Q., of N. Y.,
 \$30 ; H. B. B., of Eng., \$559,67 ; A. C. P., of N. Y., \$22;
 G. W. S., of Pa., \$30 ; L. M. B., of N. Y., \$55 ; C. A. S.,
 of Mass., \$35 ; J. M. C. M., of K. Y., \$40 ; P. W. of Pa., \$30 ;
 G. N. S., of Ind., \$30 ; S. B. McA., of Tenn., \$30 ; J. G., of N. Y., \$30; E. D. L., Jr., of Mass., \$30; J. B., of N. Y., 578; D.P.F., of Mass., \$60; B. O'R., of N.I.,
\$78; D.P.F., of Mass., \$60; B. O'R., of N.Y., \$10; S.
\$30; W.S., of N.Y., \$25; W. L., of Md., \$59; A. S., of N. J.,
\$30; W.S., of N.Y., \$25; J.S., of N.Y., \$25; T. W.B.,
of O., \$25; L. J. W., of N. J., \$25; S. A. K., of S. C., \$40; H. L., of N. Y., \$30; C. A., of N. H., \$50.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent

Office during the week ending Saturday, Oct. 6 :--B. & H., of Mass. ; H. W. C., of Mass. ; C. J., of N. Y. ; W. S., of N. Y. ; J. P., of N. C. ; J. S., of N. Y. T. W., B., of O., R. T. S., of N. J.; B. T. & L., of England; W. B., & Co., of R. I.; L. J. W., of N. J.; M. R., & Sons,

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novelty of a plow improvement without a withable model of it. This you had better make and send us. P. S. B., of N. H.—The brake of Mr. Brown has been examined: the arrangement appears to be new, and we should think a patent could be secured for it. If the has made no oath of allegiance to a foreign power he is still entitled to all the privileges of a citizen. The patent fee would be \$30.

IMPORTANT TO INVENT-ORS. THE UNDERSIGATION TO INVENT-organization of the second second second second second practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they con-tinue to our their services to all who may desire to se-cure Patents at home or abroad. Over the se thesesand Letters Patent have been issued, whose pajers were prepared at this Office, and on an average fifteen, or our-flint of all the Patents issued each week, are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draughtsmen, and Specification writers are in constant employment, which renders us able to prepare applications on the shortest notice, while the experience of a long practice, and fa cill:ex which few others posses, we are able to give the nost correct counsels to inventors in regard to the patentability of inventions placed before us for ex-amination.

give the nost correct counsels to inventors in regard to the patentiability of inventions placed before us for ex-amination. Private consultations respecting the patentability of in-ventions are held free of charge, with inventors, at our office, from 9 A. M., until 4 P. M. Parties 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 hecesary to secure a patent can be arranged by letter. A rough sketch and description of the improve-ment should be first forwarded, which we will examine and give im opinion as to patentability, without charge. Models and fees can be sent with safety from any part of the country by express. In this respect New York is more accessible than any other city in our country. Circulars of information will be sent free of postage to any one withing to learn the preliminary steps towards making at application. In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions pat-ented through our establishment, are noticeds at the prop-er time, is the SCIENTIFIC AMERICAN. This paper is read by not less than 100,000 persons every week, and en-joys a very wide spread and substantial influence. 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/or in the U. S., go through our agency. MINN & CO. American and Foreign Patent Attornies, 128 Fulton street, New York, 32 Essex Strand, London, 22 Boule-vard St. Martin, Paris; 6 Rue D'Or Brussels.

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