Zcientific American.

TO CORRESPONDENTS

L. M. C., of C. W .- A steam pump of the description you speak of, and with its qualities, is desirable but the only true test of its effective economy is experiment. It is not possible to tell how it will work without a trial, for that would be predicating a result upon an unknown theory.

J. A. D., of Fla.—We cannot consent to do any such thing, we have learned the folly of believing that such advice is rendered from disinterested mo

A. B. K., of Canada-We can find only one patent issued to A. N. Henderson; but it is for a different purpose. There are numerous patents in this country for setting logs, called "self-setting," and we presume some are in use. We have heard of no demand for such inventions of late. The extra charge on the "Sci. Am." is for Canada postage.

S. H., of Mass.-As soon as a final determination is made in your case we shall advise you. No alterations can now be made in the model under the same fee. If you wish to alter it, the present case must be withdrawn and a new application filed in

M. R., of Me.-You have entirely overlooked one fact, that is, "velocity;" surface pressure is not the only calculation to be made; the velocity and pressure must enter into computation. The same prin ciple as yours was embraced in the Air Engine of Savery. The low pressure condensing engine meets more than the conditions set forth in your sketch. We shall let you have something on steam power in a future number.

C. B., of Ohio-The method you suggest for ventilating railroad cars has been before proposed; we doubt its patentability, as substantially the same plan has been secured to a Mr. Heckrote, of Mary

P. S, of N.B.-There are no patents in the name Hargus or Kendal, for candle making. We presume they have no patents for their processes.

M. W. S. of Mass.—The keeping of the stone wet is not the difficulty at all, nor was that mentioned to be the difficulty, for it would not answer to keep the stone always wet; the ink, in that case, as you see, could not be applied.

W. R., of R. I .- The engravings of your patent door will be inserted in our next number.

J. T. P., of Mass.-Your papers have been forwarded to the Patent Office, and you may look for the issue in about two months.

H. W. C., of Mass .- Your diagrams are in the hands of the engraver, and will be done this week.

S. L., of Maine. - To build a vault cheap and fireproof, make the walls of rough stone, plastered with fire-proof cement, and make the roof of iron, with Hyatt's lights. It can be built cheaper, but not truly fire-proof. Wood can be rendered partially fireproof by steeping it in alum.

W P., of Mich.-The centrifugal force of the earth does not affect the waters of any river, any more than the motion of the earth on its axis affects the motion of our bodies. We do not see any good or useful result to be obtained from the discussion of the Mississippi question; its waters run down an inclined plane, in the common-sense view of the ques

M. K., of Mass.—Your ideas about ventilating care is not new; the same proposition is advanced in the notice of Law's invention found on page 340, this volume Sci. Am.; it has often been submitted as the best plan for the purpose. The numbers we have sent, with the exception of an index of Vol. 2, none was ever published.

C. W. G., of Mass.-We have now a drawing in our possession embracing the same device for ventilating cars, as is proposed by you. It could not be pa tented.

Mechanics' Institute, Ohio-A railroad car brake, under the entire control of the engineer, and operated upon by steam, was projected some years ago by Robert Stephenson, of England. Several different plans have been proposed since his invention, but none of them have put into use. There are some practical difficulties in its way at present, it would

J. H., of Ohio-The subject of car ventilation is now attracting much attention, and it is likely some good may result from it. For the benefit of yourself and many others, we deem it proper to state that trunks with bell-mouths, for taking in air, and wind tubes passing over or under trains, to receive air, either by a funnel-shaped mouth or by the application of a blower, are old and well known. We see nothing new in yours, in fact it will not work well. because dust and smoke will get in. Hamilton's and Paine's arrangements of windows embrace the principle designated by you.

VPK of NV. over the plan represented by Mr. Paine? The idea appears to be similar. He says his plan works well practically.

J. W. Stuart, of Plattville, Wis., wishes information in regard to presses and grinders for manufacturing linseed oil. We are unable to answer his inquiries; perhaps some of our readers may.

D. M. D, of Pa.-We should think your plan a good one, and we request you to send us a small mo-

del and description of it.
J. F. H., of N. Y.—The law will allow you to take a patent for your own invention, because none but the original inventor can make application. We think the mode of temperingsprings is generally understood. Ballooning is of doubtful importance as a means of conveyance. Many have pursued the same train of reasoning with yourself.

II. J., of Pa-We are engaged in the examination of the invention, and will soon report to you.

G. H., of Albany-In 1782, the Marquis De Joffrie, constructed a steamboat at Lyons, France, and employed paddles on an endless chain. It was not successful. In 1826, this invention was revived by a Mr. Palmer, of the Royal Mint. The invention is old and well known, and has been condemned for some cause. We cannot enumerate the number of times this invention has been submitted to us. A proposition to use it on our canals was made three years ago but without success.

E. C. H., of Ohio-We have examined your impro ved File for Documents, and think it new. We have never seen anything of the kind before, and regard it as useful. Whether the Office would issue a patentforit is more than we can say; we think a patent should be granted.

H. & R, of N. H.-If you wish an engraving published, please send by express the Letters Patent, and when we get through with them, they will be returned.

E. G. F., of Halifax-We regret that we are una ble to furnish the information pesired by Mr. Potts,

and know of no person to whom we can refer him. W. C., of Me .- A patent was issued on the 19th of August last for a Register for omnibus drivers; you

will find the claim on page 398 Vol. 6, Sci. Am.

D. B., of N. J.—So far as the passing of the heated products into the boiler is concerned, we have to say, that the plan has been proposed to us before, but there are practical difficulties in the way of its application. The heated products is carbonic acid gas, and the pressure of this gas must always exceed the pressnre in the boiler. We also do not see how you will be able to make the fire draw when the water becomes as hot as the product which heats it.

Money received on account of Patent Office business for the week ending Saturday, July 31:

ness for the week ending Saturday, July 31:
L.P.& W. F. D., of N. Y., \$10; A. H., of S. C.,
\$25; C. B., of N. Y., \$30; C. P., of N. Y., \$20; E.
S., Jr., of Ct., \$20; M. J., of N. Y., \$30; W. N. C., of
N. Y., \$30; J. T. & Sons, of N. Y., \$600: H. W., of
Vt. \$10; B & B., of Ct., \$12; J. F. W., of Ct., \$50;
I. T. P., of Mass., \$25; J. D., of N. Y., \$20; I. F. B.,
of Ga., \$65; C. & B., of N. Y., \$20.

Specifications and drawings belonging to partie with the following initials have been forwarded to the Patent Office during the week ending Saturday,

E. S., Jr., of Ct.; C.P., of N. Y.; M. R., of Me.; J. D., of N. Y.; J. W., of Pa.; B. & B., of Ct.

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IMPORTANT 'TO SOAP MAKERS—Letters
Patent of the United States having been issued to Wm. McCord on the 27th of July, for a valuable improvement in Soap, all manufacturers, venders, and users are hereby cautioned against the use of Kaolin, or other equivalent aluminous minerals, combined with ammonia, as they will, by so doing, infringe this patent, and subject themselves to prosecution. Rights to manufacture this the most valuable soap, are offered for sale on reasonable terms.

ADDLY to WM. McCORD. 141 Sullivan st. N.Y. 47th secution. Rights to manufacture this the most valuable soap, are offered for sale on reasonable terms. Apply to WM. McCORD, 141 Sullivan st., N.Y. 47tf

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41 7eow*

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47 6*

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C. S. QUILLIARD.
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47 2*

JOHN W. GRIFFITHS—Ship Builder and Ma-JOHN W. GRIFFITHS—Ship Builder and Mathematics, 658 Fourth st., N. Y., furnishes models and draughts of all description of vessels, with the computation of stability, capacity, displacement, and necessary amount of impulsion. Propelling power located and proportionably adapted to the form of the vessel. whether sailing or steaming. Mr. G. also superintends the construction of vessels, and may be consulted upon all subjects pertaining to the various departments of the science or practice of ship building. Draughts forwarded by letter to all parts of the world, and to any desired scale; all letters must be post-paid.

46 5* letters must be post-paid.

A SITUATION IS WANTED—By a man, as engineer, who is well acquainted with constructing Steam Engines of the various patterns, and most approved styles in use at the present day; inferior to some in point of duty. Any establishment in want of such a man may address "Engineer." Hastings, Westchester Co., N. Y. No objections to any nart of the country.

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PATENT ALARM WHISTLE.—Indicators for speaking pines for the was of head PATENT ALARM WHISTLE.—Indicators for speaking pipes, for the use of hotels, steamships, factories, store-houses, private dwellings, etc. etc. This instrument is intended to supersede the use of the bell, being more simple in its arrangement, more effective in its operation, and much less liable to get out of order, being directly connected with the speaking pipe, it requires no lengthy wires in its use, which are continually getting out of order or breaking. There have been several hundreds of them fitted up in this city and vicinity with the greatestuccess. They can be attached to pipes, which are already fitted up without damage to buildings, and for much less than the cost of a bell, and warranted to operate. The public are invited to call and examine them at the factory of the patentees.

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47 2*

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26 tf noticed must be post-paid.

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