Scientific American.

TO CORRESPONDENTS.

J.W.T., of -.-Three men will move a house 40x 80 feet, with a capstan and a horse operating it. The house is raised by jacks, set upon long rollers and drawn by a cable passing round the capstan; the horse ope-rates the cable by a long lever, like that of a clay pug mill. You can build an ice houseabove or below ground of wood, brick, or stone, by making the walls double, packing between them with saw-dust or charcoal. It must be placed in such a position that any moisture will easily drain through the floor and run off. To do this, make the floors with wide seams and cover them with clean straw: the work is an easy one. W.R., of Ala - We have never seen a cap like yours

employed, but we cannot see any advantage that can be obtained by itsuse.

W. F., of Ohio-If you have any taste for the engine you could soon learn to operate one: a few months practice in an engine building establishment would be better for you than all the books you could purchase :careful and experienced men are wanted as engineers your age is no objection.

R. O. H., of Ireland-The wood planing machine you speak of as having been introduced into your country, three or four years ago, is the American Woodworth machine, and was patented here more than twenty years ago.

T. W. of Tenn.-It will take 250 cubic feet of water per day for a 25 horse-power engine, low pressure; if you use high pressure and expand, according to the gain by ex-pansion, so will you use less water. You can therefore calculate from this data.

O. H. P. W., of Ala .- Nocemmon whitewash will stand exposure to the weather without rubbing off; makeup your lime in the common wayfor whitewashing, and dissolve half a pound of common salt in every six gallons of it; it will turn yellow in the course of time. We willfurnish a receipt next week.

J. F. O., of S. C.-The machines for splitting lath from round logs, we saw some two years since at the American Institute Fair, but do not know, who makes them. The machine of Packard, Greenwich, Ct., noticed a few weeks since is a good one.

. W. & Co., of Ohio-Sulphuric acid will act upon the oil contained in the alcohol made from corn; that substance is fusil oil, and when corn whisk yis used forma king chlor Horm. sulphuric acid is used to purify it by removing this?oil.

M. K., ofind.-Gold cannot be destroyed in a furnace: it can be melted, but this is all; steel is polished on emery cylinders, and finished on tripoli or crocus cylin

A. S., of N. Y.-Your method of securing hubs to axles is new, so far as we know; we have seen a great varie ty of devices for this purpose.

J. O. O. of Ohio-Welearn upon inquiry that Wilkinson's press, to print on a continuous sheet, was invented some years since, but owing to want of means he could not complete it; therefore he must be before you in the b usines

H. M. P., of Ct.-Your 'new" discovery goes far be yond anything we ever heard of. Have you read what Regnault says about condensed carbonic.acidgas? Just try your discovery in a working engine. It cannot operate

E.M.H., of N. Y.-Nathan Brand, of Leonardsville N. Y., is the patentee of the rotary anvil stock.

L. B. A., of Pa.-Weare in correspondence with a party about constructing a new model for you, and as soon as we get a reply we will advise you. J. F., of N. Y.-We expected to have published an en-

graving of Hutchinson's stave machine before this, but have been prevented for want of the necessary informa-tion in regard to it. We promised it and shall ends avor to fulfill our promise at some future time.

C. R., of Cin.-We have never seen a double grate like yours, but a long grate will accomplish the same object; by it you can push pack the red coals from be-hind the door, and supply their place with the fresh when you feed.

J. H. C., of N. H.-We do not discover anything in your modification of the "Hot Air Engine" which recommends itself to our approval. It is quite evident that you do not understand the nature of heated air as a motor. Our arguments so carefully elaborated in the last volume of this paper, are good against the success of your plan: read them carefully and you will doubtless abandon the scheme.

B. R. L., of N. Y .- Your suggestions in regard to feed ing paper to presses in an endless web, is not new, nei-ther is the Register for indicating the speed of trains. H. L. R., of Sec. Ws can furnish you with "Ran-lett's Architect. bound, two volumes, for \$12, or in numbers at \$10.

T. C. & W., of Pa.-Yours has been received.

O. A. B., of N. Y .- The oil we think will injure the vulcanized india rubber 1 submitted to heat, but it willlast for a long times if kep? cool.

D. P. B., of Ind.-Your communication in answer to "Toll Dish" we must decline for want of space: we do not wish to prolong any controversy after both parties have had theirsay, and we will is you convert, forward your communication to his address. W. W., of S. C.-Your contrivance for shaking and

conveying straw seems to be novel, possessing patentable features. We shall send you instructions how to proceed with the case.

J. M. T., of Ill .- There is no striking novelty in your plan for an elevated railway. You had better drop it. .T. M. T., of Ill.—The construction of your stone dress

Money received on account of Patent Office business for the week ending Saturday, Dec. 10:-B. F. McL., of O., 456; J. McD., of Conn., \$30; T. R., & Sons, of N. Y., \$25; G. W. R., of Ky., \$55; G. L. W., of Md., \$40; J. L. B., of Mo., \$35; D. S. of Pa, \$10; D. G. ON Y., \$20; W. & G., Of Pa, \$50; C. F. S., of N. Y., \$10; H. S. W., of O., \$5; G. M. R., of N. Y., \$15; W. H. & B., of Pa., \$20; H. E. C., of N. Y., \$15; S. S. H., of N. Y., \$20; W. G., H., of Pa., \$35; D. F. of Pa., \$55; C. W., of N. Y., \$55; J. Y., of O., \$60. Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent. Office during the week ending Saturday. Dec. 10:-

Office during the week ending Saturday, Dec. 10 :--

J. H. W., of Ga.; J. McD., of Conn.; H. N., of Pa.; J. C., of O.; D. & S. K. F., of N. Y.; C. V. A., of N. Y.; D. B., of N. J.; H. E. C., of N. Y.; J. F. F., of S. C.

A Chapter of Suggestions, &c

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P. S.-Editors of the above papers will please copy and send their bills to the Patent Office, with a paper con-taining this notice. 143

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