### TO CORRESPONDENTS.

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N. C. of Ill .-- We think vulcanized India rubber would answer a good purpose to connect saddle trees. Try it; the cost cannot be much. We do not think a patent could be secured. Something would depend upon its utility and method of construction.

3. W. W. of Mich .-- Mr. Crosby claims, in his patent of 1801, a circular saw, with both faces convex, when this is combined with a guide for spreading apart the plank to prevent the saw from binding, not litting plasself to the precise construction and arrangement. The invention is a good one, we believe.

T. Y., of Iowa.--- A life-preserving trunk is a new thing in name, but perhaps not in principle. Send us a sketch and description for examination, and we will advise you R. G. G. of NY.-Attaching a thermometer to a steam

boiler, for the purposes set forth in your letter, is not a patentable subject. It has been done before.

**D.** D. of Ill.-Merely coupling two ploughs together is not patentable. We do not discover anything more than this in your "Double Corn Plough."

D. B., of N. J.-Your railroad telegraph is perfectly feasible, and is a most excellent plan to prevent accidents, and it should be established on all our railroads. But we do not know what advice to give at present in respect to your interrogation.

E. & A. R., of N. Y.-If the case referred to is reported we shall notice it. G. W. Beardslee, of Albany, N. Y., can give you any information upon the subject.

, of Ill.—The law requires every patented article to be marked as such, with the date of the patent. J. H. B., of Mich. Some weeks since we published a

machine of M. Schoonmaker for turning spokes. We think it not a very expensive machine. Copper wire, we suppose, can be had at any hardware store. The starop was torn off the letter we sent you.

A. J. of Mich .- We caution you against purchasing any right in an invention until you know what it is. We presumethere is no patent.

J. S. L., of N. Y.-Your method of preventing carsfrom running off the track while turning curves is not new or patentable. Several printed references could be given. J. P. A., of Va. We do not find on exhibition at the

"Fair" such pumps as you appear to require. The chain pump is well liked here. It is simple and durable. J. S., of Va .- Your plan for preparing newspaper directions appears to be new, but we cannot discover its

advantages. You had better drop it. Your case is reg ularly filed. We do not advise foreign applications in this case.

of N. H.-Your inquiries have been submitted to the publishers of the "Illustrated News" for their attention D. B. K., of O .- We simply require a brief description

of the operation of your machine, with a statement of the advantages you claim for it over other machines for the same purpose.

E. S. G., of S. C .- The application of a weight to machinery for operating a churn dash, or anything else, is not patentable.

of Me.-Your idea is to obtain an endless whipsaw. There may be advantages in it, but we cannot see them. It would not cost much for you to rig one up and test it

J. Z. A. W., of Phila.-According to Dr. Scoresby, the raves of the Atlantic never rise higher than 30 ft., butin of its importance. the Pacific and Indian oceans they rise to twice that height

R. G. G., of N. Y .- A pump to spread and agitate the water in the boiler has been proposed, but it is supposed that a better practice is to feed in the water in spray and gave only a small quantity in the boiler at once.

B. B., of N. Y.-An inventor who intends to apply for a patent should make a small substantial model of his invention, place it in the hands of a competent agent with a full explanation of its operation, etc., this is all that is necessary on the inventors part, except to sign the papers when ready, and furnish the fees; the patent fee is \$30, and the agent would charge according to the amount of time and labor, say from \$25 upwards.

J. M. M., of Mich .- Your wheel will operate well, and as you say, the velocity can be given by gearing, but it is not patentable, for the same kind of wheel has been in operation in this city, and we saw it four years ago

E. S. Hulbert, Bernardstown, Mass., is a practical hoe maker, and canfurnish J., of Powelton, Ga., with such in formation as he may desire.

R. Y. Russell, of Newman, Geo., wishes the best ma. 10:chinery for dressing and making sash doors, &c. W. H. H., of N. J.-We are not familiar with the best W. H. H., of N. J.-We are not familiar with the best W. H. H., of N. J.-We are not familiar with the best W. H. H. of N. J.-We are not familiar with the best W. H. H. of N. J.-We are not familiar with the best implementin use such as you want.

C. 7. W., of Ky.-Yours received, and the amount is paid over to Fowlers & Wells.

G. H., of Wis .- No patent could be secured for the application of a chilled mould-board to a cast-iron plow J. B. C., of Tenn .- The blocks named in yours of the

16th ult. cannot be furnished. H. P. A., of Geo.-We have been informed that the Smyrnailgs are boiled in sugar for a few minutes, then

dried in the shade and rubbed with dry sugar. M. E. D., of N. Y.-If you have the same an

water and height of fall for both wheels, the 13 feet one will produce the best effects. J. L., of Ohio-We are well aware that the magnet

which closes the [local circuit is called "the receiving magnet,?' but the name is wrong-it should be called the "relay magnet " J. R. M., of Ohio-The specification, drawings, and mo-

del of your machine were sent to the Patent Office be-

R. A., of Pa-Most certainly not: your proposition is | FOREIGN SUBSCRIPERS-Our Canada and Nova Scotia pabsurd and manifestly ridiculous ; we cannot descend to publish such "stuff," it is nothing else.

Scientific American.

F. B. H., of Ind.-An engraving of your machine will cost \$15; it will be necessary for you to send us your Letters Patent, that we may take such views as are illustrated in your document.

» R. C. of N. Y .-- We will examine very carefully your alleged improvements in tanning and write you.

R. W. A., of Ct .- To execute engravings of a style and magnitude commensurate with your invention, would cost you \$20. We have nothing in our possession to get up engravings from, and you had better send your Letters Patent.

J. B. S., of Pa.-We would like to see the model ; we do not see what advantages you obtain without the shaft of the wheel.

S. C., of Va .- The way to remove the incrustation, is to empty the boiler, then slightly heat up, when the scale can be cracked off with a mallet : it can also be chinned off inside. To prevent incrustations, coat the flues with a mixture of coal tar, soap, and black lead ; put on thin with a brush.

-.-Your plan for stopping a train might D. K., of answer the purpose if it did not increase the liability of throwing the train from the track : it would, in our opinion certainly do this.

A. H. Holmes & Bro., of Pittsburg, Pa., want a first rate machine for making bolts.

W. II., of 111 .- We are unable to give the information you desire in regard to the manufacture of the sugar of milk

T. S., of N. Y .- You must address your application for space to J. E. Holmes, Superintendent of the Machine Department Crystal Palace, stating specifically the

amount of space required. T. H. D., of N. H.-Your apparatus for regulating the

low of gas is new, we think. H. B. G., of Ala.—There are a number of patents on shingle sawing and splitting machines; you had better show us what you have done and we will examine into its novelty: we cannot act understandingly upon mere

hints. J. N., of N. J .- Patents in England can (be secured after their issue in this country : whoever tells you to the contrary don't know. We know nothing of Collins' invention: we don't believe he every invented anything.

C. V. A., of N. Y.-There is nothing new or patentable in your churn dash-the principle is old and well known

in rotary churus : don't fool your time away upon it. F. McM., of N. S .- Your description of a Flying Ma-

chine has been received. The "atmosphericscrew," as you termit, has been tried here on two occasions with different balloons : in both cases it was a failure ; the screw was exactly the same as yours ; we saw both bal

W. F. of Mass .- It is not possible for balloons to ope rate successfully by any known contrivances while they require such a volume to elevate the aerial navigators the difficulty lies in their necessary great size.

'T. E. J., of Ky.-We see no difficulty in blasting by the manner you propose. Gun cottonignited by the electric spark would be the very substance and plan we would propose. It is a wonder to us that all blasting of rocks is not done by the battery ; the only reason we can give is that the men whofollowsuch an occupation are ignorant

C. C. S., of N. Y.-If you wish manufacturers to know that you have such articles for sale advertise them, the best vehicle for this purpose is the Scientific American. A daily paper is the worst of any. Manufacturers and mechanics look to the Scientific American for such advertisements.

Money received on account of Patent Office business for the last two weeks, ending Saturday, Sept. 10 :--

J. O., of N. Y., \$10; A. F., of Ohio, \$30; A. E. B., of N. Y., \$30; J. B., of Ct., \$50; F. C. G., of N. Y., \$40; M. H., of N. Y., \$56; N. S., of R. I., \$50; L. & T., of Wis., \$72; 0. B. T., of Pa., \$20; A. B. C., of Pa., \$60; D. W., of N. Y., \$10; C. C., of R. I., \$50; J.H., Jr., of Mass., \$35; A. J., Jr., of N. Y., \$20; C. W. D., of N. J., \$30; W. C. W., of Mass., \$20; N. B., of R. I., \$30; W. E. B., of Ala., \$30; S. W., of N. Y., \$30; P. & O., of N. Y., \$30; D. H. B., of N. Y., \$50.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the last two weeks ending Saturday, Sept

W. E. B., of Ala.; J. S. B., of Pa.; G. W. C., of Geo. B. T., of Pa. ; J. J., of N. Y.

## A Chapter of Suggestions, &c.

MISSING NUMBERS-Mail Subscribers who have failed to

receive some of the numbers of Vol. 8, are informed that we are able to supply them with any of the numbers, from 1 to 52, EXCEPt the following, and those we are ENTIRELY out of-Nos. 2, 4, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 48, 49.

BEINV FOR DELIVERY-We have just received from the Binders 100 copies of Vol. 8, Scientific American, which will be sold to the first applicants at \$2.75 per volume. We also have about 50 complete sets of Volume'S, in sheets, which will be sold at the subscription price-\$2 per set. Those who apply first will stand the best chance to get their orders filled, for after the above

number are sold no more can be obtained at any price'

trons are solicited to compete with our citizens for the valuable prizes offered on the present volume. [It is important that all who reside out of the  ${\it States}$  should remember to send 25 cents additional to the published rates for each yearly subscriber--that amount we are obliged to pre-pay on postage.]

RECEIPTS-When money is paid at the office for subscrip tions, a receipt for it will always be given, but when subscribers remit their money by mail, they may con sider the arrival of the first paper a bonafide acknow ledgment of the receipt of their funds.

BACK NUMBERS AND VOLUMES-In reply to many interro gateries as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement: Of Vols. 1, 2, 3, and 4-none. Of Vol. 5, all but six numbers, price, in sheets, \$1; bound, \$1,75. Of Vol. 6, all; price in sheets, \$2; bound, \$2,75. Of Vol. 7. all: price, in sheets, \$2; bound, \$2.75. Of Vol. 8, all; price, in sheets, \$2; bound, \$2,75.

PATENT CLAIMS-Persons desiring the claim of any inven tion which has been patented within fourteen years, can obtain a copy by addressing a letter to this office stating the name of the patentee, and enclosing \$1 for feesforcopying.

PATENTEES-Remember we are always willing to execute and publish engravings of your inventions, providing they are on interesting subjects, and have never ap. peared in any other publication. No engravings are inserted in our columns that have appeared in any other journal in this country, and we must be permitted to have the engraving executed to suit our own columns in size and style. Barely the expense of she engraving is charged by us, and the wood-cuts may be claimed by the inventor, and subsequently used to vantage in other journals.

GIVE INTELLIGIBLE DIRECTIONS-We often receive letters with money enclosed, requesting the paper sent for the amount of the enclosure, but no name of State given, and often with the name of the post-office also omitted. Persons should be careful to write their names plainly when they address publishers, and to name the postoffice at which they wish to receive their paper, and the State in which the post-office is located.

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American and Foreign Patent

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B. ELY, Counsellor at Law, 52 Washington street A, Boston, will give particular attention to Patent Refers to Messrs Munn & Co., Scientific American.

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A TKINS' SELF-RAKING REAPER. — The un-resulted success of this machine, both in grain and grass, and the information already received from agents, shows the demand another season will be more than 1 can supply. Every reaper heard from (about 30 in seven different states and Canada) gives goods atisfaction with no drawbacks, though others to hear from may have given trouble. Arrangements must be made to supply the demand, and the inventor (Mir. Atkins) would like to realize something from the Patent at once, and part of the States may be offered for sale. If a satisfactory price cannot be got, then arrangements may possibly be made with manufacturers to build and pay a patent fee. A machine can be seen at the Crystal Palace, and oth-ers will be at some of the State and County Fairs this "Trairie Farmer" Warehouse, Chicago, Ill., August 6, 1853. 00 3 igust 6, 00 3\* 1853

**PALMER'S PATENT' LEG.**—Manufactured by Pal-mer & Co., at No. 5 Burt's Block, Springfield, Mass., for New England and New York States, and 376 Chesnut street, Philadelphia; in every instance of competition in the Fairs of the various Institutes of this country, it has received the highest awards as "the best' in mechanism, usefulness, and economy. At the "World's Fair," Lon-don, 1851, in competition with thirty other varieties of artificial legs, (by the best artists in London and Paris) it received the Prize Medal as the best. 48 10"

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ANTED, at Salem, New Jersey, two first rate Iron Moulders. To good hands constant employment and the highest wages will be given. Address BENNETT & ACTON by letter, or in person, Salem, New Jersey. 1 2t\*

<ul> <li>T. S. J., of Ohio—There are a great number of patents on head and tail blocks for saw-mills : send us a sketch of yours and we will examine it. The Burglars Alarmis old.</li> <li>L. R., of Del.—We have not published much upon windmills : G. B. Farnham, of this city, can give you all the required information.</li> <li>G. F. McM., of Ill.—You had better use Morse's Air Distributor for your furnace : address L. Morse &amp; Bro., Athol, Mass.</li> <li>J. T., of C. W.—We cannot give you any encouragement until we can clearly investigate the nature and action of the invention. Send a sketch and description. Our correspondents would save much?time, and trouble to us and themselves if they would always accompany their letters with sketches of their inventions. Merewritten descriptions of anyEmachine, unless very simple, will not answer our purpose for examination.</li> </ul>	<ul> <li>Machines: Bolting: Machinery Gil. Beal's Patent CoB and Corn Mills: Burr Mill and Grindstones: Lead and Iron Pipe, &amp;c. Letters, to be noticed, must be post-paid. Iff cow</li> <li>Devois Corn Mills: Burr Mill and Grindstones: Lead and Iron Pipe, &amp;c. Letters, to be noticed, must be post-paid. Iff cow</li> <li>Devois Corn Mills: Burr Mills and Grindstones: Lead and Iron Pipe, &amp;c. Letters, to be noticed, must be post-paid. Iff cow</li> <li>Devois Cornel and C</li></ul>	18t*       G. O. ROBERTSON, 135 Water street, corner of Pine.         STEAM ENGINES AND PUMPS FOR SALE Two new high pressure Steam Engines, 16 inch bore originet and 22 inch stroke of piston, 3 cylinder boilers to each engine 3 feet diameter and 40 feet long. Also two double acting Force Pumps, 10 inch bore and 4 feet stroke, fitted with gun metal valves, valve seats and packing. The above machinery is constructed of the best material and workmanship. Address Engineers and Machinists, No. 16 Arch street, 1 4t*         CARDING MACHINEThe subscriber has for sale a first class Carding Machine, (manufactured by Jenks, near Philadelphia. Is nearly as good as new, and will besold at a great sacrifice. It can be seen on application to Jas. B. BERERS, No. 49 John street, N. Y. 52 2*         A PRA TICAL MACHINIST wants a situation in
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