Scientific American.

TO CORRESPONDENTS.

G. M. M., of Vt.-Blanchard's Patent has about ten years longer to run. There are a number of patents on nachines for setting types; we have little faith in any

W. N. S., of N. H.—There is a corn-husking machine on exhibition at the Crystal Palace; but from what little we have seen of it, we have not much confidence in its labor-saving qualities. We do not know the inventors name. You neglected to pay the postage on your letter; when you ask information you should al ways pay the expense of obtaining it.

J. H. R., of N. C.—We cannot inform you in regard to

the barrel machine. See Hutchinson's advertise another column.

M. M. D., of Va. No one person has the exclusive right to make railroad spikes. There are several patented spike machines, and you are entitled to a natent for such improvements as you invent. Mr. Jackson's statement has been handed to Adams & Co., for attention. We thank you for the fine list of subscribers.

J. B. S., of Pa.-We have referred your letter to an en gine builder for his attention.

J. H., of Mich.—Artifical stone is made in this city, but we do notremember the name of the maker,

J. K., of Pa.—After one year has elapsed, subsequent to a declaration of your intentions, you can secure a patent for \$30; at present it would cost you \$500 for fees Case hardening iron is done by reducing the prussiate of potash to a paste in a little water, smearing over your article, and heating it in the fire to a dull red heat, and then dip in cold water.

W. C. B., of N. Y .- Aperpetual motion caused by the expansion and contraction of mercury by atmospheric changes, is not new, and of no importance.

E. C., of N. Y .- You could not obtain a patent on a machine which has been used since 1837. You had evi dently abandoned it.

A. P., of N. J.-Let us have a sketch of your improved cart wheel. We will then examine and report our opinion

H. M., of Ohio.-Your plan of paddle blade is new, but we cannot see any advantage to be obtained by it. It will be more expensive than the common blade, and must be much easier put out of order.

S. A. C., of Ct.—We are much obliged to you. Any information about the invention and introduction of the friction match, (such a useful invention as it has proved itse f to be,) is desirable.

R. D. W. of Geo.-We have received your letter with the samples of silk, which were manufactured by you in Glasgow, Scotland. The only person who conducts the manufacture of silk in our country, with whom we have conversed is Mr. Jones, of Newport, Ky. The company has some very excellent thread, handkerchiefs and vestings in the Crystal Palace. Perhaps they would like a man like yourself; drop them a line. The firm is Jones & Wilson

W. E. D., of Pa.—The improvement you propose in scales could not we think be patented. The principal is, the inverse of the spring dial scales now in common use; there is no patentable difference.

R. D. S., of Ky.-Send us a model of your improv ments and we will examine them. The description is not clearly given.

I. T., of Ala.—We have none of the instruments men tioned in your letter for sale; they would not answer your purpose.

J. S., of N. Y .- Carefully examine the files of the Scientific American, and you will find the receipt. We cannot point to it without an examination.

C. L. R. Jr., of Ct.—Carriages moved by compressed

air are not new.

D. H. Avery, Tuscaloosa, Ala., wants machinery for turning rounds and for planing plough beams; will some of our readers inform him?

N. Y., of Ohio-You speak like one who has the good sense to admire truth by whomsoever spoken, whether it may please or not; it is a mark of the highest wisdom never to be offended at the truth. The mechanics who say that we "counciled employers to unite and frown down all attempts on the part of the employed to increase their wages," assert that which is not true: w challenge them or any man to find such remarks in the whole of the eight volumes of the Scientific American.

B. C. C., of Mass.—There is nothing new, useful, or patentable in your rotary engine, and we advise you to drop it at once.

I. T., of Ind.—"Bulkley's Patent'Steam Kiln Dryer" is a good invention. You must judge whether or not it is worth purchasing.

J. J. H., of Mich.-Your alleged improvement in sew ing machines appears to be a mere change in the position of the parts, and the driving mechanism. The change is not patentable.

J. C. R., of Mich.—There are a number of machines for gathering grass seed already patented. We are glad to hear you speak so well of the Scientific American

E. A. II., of Ill.—A pipe in a stove will admit an hundred or two hundred feet of air per minute, according to the rapidity of combustion. There is no rule with which we are acquainted for calculating the amount of air in cubic feet, that will pass through a given orifice in a stove, the heat being 1141 deg. For more particular information see page 246, Vol. 7-a long article.

R. S. P., of Va.-The standard U. S. bushel measures 2150,42 cubic inches. The old English coal measure was greater than this, as 1,03130 is to 1, but we suppose the standard measure is employed in Virginia, if not, we

cannot tell what its capacity may be.

II. Van H. of N. J.—We would not like to use less than 30 horse power for three run of stones. It will require 270 lbs, of coal per hour for this amount of work, with a poor boiler, but only 180 lbs. with a good tubular

label copy-righted as soon as possible. This is the only protection you can obtain by law. You can sell the secret to whom you please by common bargain. See some remarks on the subject on another page.

G. B. L., of N. Y.-We will endeavor to publish some information about tools for cutting ice.

R. C., of Mass.—If your invention is different from Sanford's, you can secure a patent for it. He cannot cover every means of producing a result—the combination is simply his claim.

M. B., of Ind.-The mere application of any wellknown material to a new purpose, is not the subject of a patent - therefore, applying glass or porcelain to monumental purposes, does not constitute a patentable feature.

S. S. R., of Tenn.-The first thing to be done on your part is, to notify each party that you shall hold them responsible for infringing your patent-stating your opinon that they infringe upon your rights. This is preliminary to an application to the U. S. Circuit Court for an injunction.

R. C. W., of Ohio.-We have written to Mr. S. at Wash ington as you requested.

J. M., of Pa.-There is no novelty in attaching the saw ash directly to the piston of a steam engine. We see nothing patentable in your arrangement of it.

D. S. H., of Ill.—Bulkley has a patent on his "Kiln You cannot use what he claims as his invention, without rendering yourself liable. \$15 received:

we are much obliged.

I. J. W. Adams, Sharpstown, Md., wishes to commu nicate with W. C. Hughes, author of "The American

W. L. B., of Mass.—There is no novelty in a fan blower constructed with an air opening in the periphery of the case, for receiving and having a hollow shaft for discharging the air. It may work very well.

M. & N., of Mich.—No more applications for space are to be granted by the Crystal Palace Association. You are rather late for the American Institute also.

F. H. S., of Md.-You had better submit your question to Mr. Bentley, or some other practical engineer in your We cannot satisfactorily answer it.

H. Y. A., of Ohio.—You cannot make iron blue by oxydation. It is done by tempering, and for this purpose a paste of the prussiate of potash is used; the heat must be carefully attended to.

J. A. P., of Ala.-The best varnish for iron is red lead laid on first with a very thin coat, left to dry, then give one or two more coats. If you mean a varnish forpolished iron, use common gum copal varnish; we do not know of a better, you may mix a little oil in it.

J. C., of Va.-If you are correct, then a locomotive cannot move at all; for if, as you say, the cranks act only in one direction to drive the engine and train, and that iheir tendency is to retard the forward motion when unde the axle, then, as the pressure of the steam is equal for these two opposite directions, the one must nullify the other. You will see that you have not considered the question in all its bearings. The fact is, the power acts to propel the engine equally, both when the cranks are above and below the axle.

Money received on account of Patent Office business for the week ending Saturday, Oct. I >-J.P., of Ky., \$25; W.D., of N. Y., 30; L. P., of Vt., D.

W., of N. Y., \$40; P. and O., of N. Y., \$25; J. H. C., of N. Y., \$30; W. E. O., of L. I., \$30; D. McM., of Tenn., \$45, N. T., of N. Y., \$55; D. B. K., of O., \$35; G. J. B., of Mass., \$30; W. C., of Ga., \$10; J. R. A., of N. Y., \$30; D. A., of

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Oct. 1: A. B. C. of Pa.; R., C., of Pa.; B. D. S., of Pa., (2 cases)

P. and O., of N. Y.; D. A., of N. Y.; D. McM., of Tenn.; S. R. H., of O.; R. K., of Mass.; G. J. P., of Mass.

A Chapter of Suggestions, &c.

Any subscribers who have failed to receive either No. 1, 2, or 3 of the present Volume, are requested to make application for them immediately, as those numbers are fast growing short, and it is the desire of the publishers that all subscribers shall receive every number to which they are entitled. Any irregularity in the receipt of papers by clubs, will be promptly corrected by addressing a letter to the publishers.

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 these we are Entirely out of-Nos. 2, 4, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 48, 49.

READY 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 8, 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

To Correspondents.—Condense your ideas into as brief space as possible, and write them out legibly, always remembering to add your name to the communication. anonymous letters receive no attention at this office If you have questions to ask, do it in as few words as nossible, and if you have some invention to describe come right to the business at the commencement of your letter, and not fill up the best part of your sheet In making apologies for having the presumption to address us. We are always willing to impart information if we have the kind solicited.

PATENT LAWS, AND GUIDE TO INVENTORS-We publish and have for sale, the Patent Laws of the United States
—the pamphlet contains not only the laws but all information touching the rules and regulations of the Patent office. Price 12 1-2 cents per copy.

BINDING .- We would suggest to those who desire to have their volumes bound, that they had better send their numbers to this office, and have them executed in a uniform style with their previous volumes. Price of binding 75 cents.

FOREIGN SUBSCRIBERS-Our Canada and Nova Scotia patrons 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 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.

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Of Note of Vol. 6, all price in Steam Engines, Boilers, Inor Plancs, Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's Lathes, Universal Chucks, Drills; Kase's, Von Schmid gatories 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. Vol. 8, all; price, in sheets, \$2; bound, \$2,75.

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 the engraving is charged by us, and the wood-cuts may $\{beautimes a may | beautimes a may \}$ claimed by the inventor, and subsequently used to ad 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 post office at which they wish to receive their paper, and the State in which the post-office is located.

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 fees for copying.

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United States Patent Office, Washington, Sept. 17, 1853.

NTHE PETITION of James Baldwin, of Nashua, New Hampshire, praying for the extension of a patent granted to him on the thirty-first of January, 1840, for an improvement in shuttles for weaving cloth, for seven years from the expiration of said patent, which takes place on the thirty-first day of January, eighteen hundred and fifty-four—
It is ordered that the said petition be heard at the Patent Office on Monday, the 9th of January next, at 12 octock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not be granted.

show cause it any ones along the extension are required to file in Persons opposing the extension are required to file in the Patron Office their objections, specially set forth in

the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

•recred, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C., Pednsylvania, Philadelphia, Pennsylvania: Evening Post, and Scientific American, New York: Boston Post, Boston, Massachusetts, and Patriot, Concord, New Hampshire, once a week for three successive weeks previous to the second Monday of January next, the day of hearing.

CHARLES MASON, Commissioner of Patents.

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

PLANING, TONGUING, AND GROOVING—BEARDSLEE'S PATENT.—Practical operation of these Machines throughout every portion of the United BLANING, TONGUING, AND GROOVING—
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B. ELY, Counsellor at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Refers to Messrs Munn & Co., Scientific American. lötf

Leonard's Machinery Depot, 109, Pearl st., and 60 Beewer, N. Y.—Leather Banding Manufactory. N. Y.—Machinist's Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also, a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting.

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CAUTION.—The public are hereby cautioned against purchasing or using Steam Gauges constructed on the principle of Fontain Moreau's Patent, or Bourdon's Patent, except that manufactured by the undersigned, who is owner of said patents for the United States. All infringements of said patents will be prosecuted according to law.

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PALMER'S PATENT LEG.—Manufactured by Palmer & 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," London, 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.

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