TO CORRESPONDENTS.

D. H. B., of Mass.-Your new fertilizer is invaluable if it is as effective and cheap as you have stated. You are doing a great work for the advacement of Agricultural

J. C., of Tenn.-We intend to puilish your article on flying, but we cannot state the precise time at present. I. Z. A. W., of Phila.—The engraving which we published of your sawing machinery illustrates so nearly ev-ery feature contained in your last model that we decline g:ting up another engraving to publish. Your model and

the papers have been lodged in the Patent Office. H. M. P., of Ill.-We should not feel willing to make the investment you propose, as it is out of our line of business W. R. A., of Ohio-The sketch of your apparatus for drawing molasses from a cask, has been examined. It is on the principle of the well known Archimedian screw and has been employed forraising water. Applying it to another purpose, could not be patented, no matter how useful the application might be. A patent must rest up

on a contrivance for effecting a certain purpose, and not upon a mere change of use. J. A. H., of Ill-We do not know of any published work

o1 street architecture, neither do we know the price of Pagin's work. Address Appleton & Co., New York City. tongue. T. D., of Ala-You may rest assured that the atmospheric telegraph could not be operated on such long lines as the electric telegraph; but for short lines it might work economically.

L. G. E., of Ala.-It would cost too much to send your model by mail. You had better send by some friend for it who may be visiting the city.

E. H., of N. Y.-We will send you four patent laws as soon as we have any. We are obliged to you for the re-

mittance of two dollars. S. P. F., of N. B.-Your subscription expires at No. 26 present volume.

A correspondent from Greenfield, Ill., writes us that the Osage orange hedges are flourishing remarkably on the prairie land in that State. The Osage orange was introduced extensively in that region, at our suggestion, published some years ago.

L. W. S., of Ohio-We believe the gas engines alluded to by you are still in the Crystal Palace. By reference to the articles published in this Vol. on the American Institute Fair, you will find our views in regard to such en gines. Spelter for soldering brass, is an alloy of zinc and

copper in nearly equal parts. D. H., of Wis.—A machine that has been in public use for more than two years prior to the application for the patent cannot be secured by valid patent. A patent could not be procured on a two edged mortising chisel with a M. & C. P., of Md.; W. B., of L. I.; J. S., of N. Y.; T. S., etween the edges in the form of an inverted V. It is not sufficiently novel to justify an application for a patent

D. C. T., of N. Y.-Throw two pounds of sal ammoniac into your steam boiler, and try if it will remove the scale It is the bestsubstance for this purpose that we are ac quainted with

M. B., of Md.-Ten.horse power should drive two run of stone, and grind one barrel of flour on each run per hour with ease.

. of Va.-We do not believe a patent would be H.S. grantedforbleaching the articles described by you, beause various vegetable substances are now bleached by it; and the method of doing so is known to every chemist.

A. C., of Ohio-There is no positive rule for the hight of chimneys to boilers. The higher the chimney the better the draft. If you make the throat of your chimney of equal area to the flues you cannot go wrong. We would use for your boiler-48 inch diameter and 30 feet long-a chimney 70 feet high, with a throw of about 24 inches.

J H. C., of Phila.—You can cast iron pulleysin iron molds, but this will chill their surface, so that you will not be able to turn them in a lathe. Soft metal pulleys, however, will answer very well to be cast in iron or brass molds.

J. J, G., of Mass.—Some fusible plugs in boilers have become hard and infusible. It is believed that they be-came porous, and absorbed scale and oxyd of iron, and quired a strong infusible character. Safety plugs are stillobjects of solicitude by our steamboat inspectors.

M. H., of Pa.-Admitting a current of cold air into a om from the outside, to be heated as it comes in contact with the stove or furnace, is not a new idea. We have had it very often proposed for our consideration. There may perchance be something new in your arrangement for heating. We could better decide this point upon being firnished with a sketchand description of your contriv ance

G. W. R., of Wis.-If you will refer to Vol.8, Sci. Am., page 272. you will find an engraving of a divided car axle which fully covers yours. We cannot tell how many times we have had the same device presented to us. W presume more than one hundred. Dividing a car axle in its center, or at any other point, or using one fixed and one loose wheel, for facilitating the turning of curves, is a well-known contrivance.

T. McG., Jr., of Ohio-It would require a large amount of space to answer all your questions in relation to steam boilers, their size, horse power, heating surface, &c. In Vol. 7, Sci. Am., we published a series of illustrated articles touching on the different points on which you request information. These will give you the desired information Ten square feet of heating surface is allowed for each h rse power. Eight-horse power will drive one run of stones at a high velocity.

not suitable for our columns. We could get one up from your letters patent that would answer our purpose for ten dollars. If you wish a handsomeengraving to appear in our columnssend us your patent, and the above amount. and we will get up one that will be a credit to your invention

F. D., of Vt.—You are mistaken in your supposition—the receipts on perfumery, etc., over the signature of Septimus Piesse, are not extracts from any book, butfurnished to us direct by the author

C. B. H., & others, of N. Y.-We regret it, but we have not a copy of the Patent laws on hand to send you. In hopes of having the existing patent laws amended this winter, we have delayed issuing another edition of the (1) laws. A copy of the official edition of "Information to parties about to apply for patents." we will send you gratis in a few days, and when our edition is published we will forward you a copy for the remittance you have made

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S.

W.H., of Pa.-Mr. Burdon, whose advertisement you IMPORTANT TO INVENTwill find on another page, makes such presses as you want. The artificial stone which you have made cannot be patented, because the same ingredients are now used for making suchstone in this city, and have been secured by patent.

M. R.'s communication on coke and coal burning for comotives is refused because it has no responsible owner to father the production. It is unmanly to write to a news paper without giving your address.

N. C., of Ala.-Iron soda fountains are preferable to those made of copper. They can be obtained of Wm. Gee, Soda Fountain maker, Fulton st., this city, who will inform you of the price, if you communicate by letter, statwhat you want.

Marcus Pratt, Brattleboro, Vt., wishes to correspond

with a manufacturer of small tin boxes. G. G., of N. Y.—We think very favorably of your im provement in harness buckles, but we do not think a patent could be procured for it. Buckles having an inde-pendent bar for supporting the tongue, have long been used for suspenders, and the mere change of use would not be regarded as patentable in the law's eyes. It would be useful for harnesses as it would prevent the necessity of cutting away the leather for admitting the buckle

M. R., of Wis.—Your model we will preserve for you until next May. We do not think your interests will be very much jeopardized by the delay. Still that is a risk you must run

H. C. G., of Wis.-Your letters patent are received, and the engraving is in progress of execution. The cuts wil appear in the paper in about three weeks.

Moneyreceived at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the week ending

Saturday, Feb. 9, 1856 :---S. H. P., of Ct., \$30; C. W. P., of N. J., \$10; D. T., & Co., of Del., \$30; S. & B., of Mich., \$15; I. A. H. of Mass., \$25 C. F. B., of O., \$30; W. H. H. of Mass., \$30; W. S., of Pa., \$10; J. M., of Pa., \$25; J. N., of Ct., \$30; F. W. T., of Ct., \$15; A. L., of Pa., \$33; G. W. F., of Mass., \$30; S. B. D., of Mich., \$250; J. M., of Pa., \$100; O. W. S., of Ct., \$30; T. S., of N. Y., \$25; R. U., of Mich., \$13; M. N., of Pa., \$3); C. F. H., of L. I., \$20; W. B., of S. B., of N. Y., \$25; J.D., of N. Y., \$25.

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

Office during the week ending Saturday, Feb. 9:-I. A. H., of Pa.; I. Z. A. W., of Pa.; J. M. of Pa.; H W A., of N. Y.; F. W. T., of Conn; W. W. A., of N. Y.; w of N. Y.; C. A. Van D., of Ala.; C. E. & C. D. A., of N. J.; S. B., of N. Y.; J. D., of N. Y.; M. P., of N. Y.; J.H. of Vt. ; R. U., of Mich. ; S. W. & R. M. D., of Mass.; I J. W. R., of N. Y.

MODELS—We shallesteem it a great favor if inventors will always attach their names to such models as they

send us. It will save us much trouble, and prevent the liability of their being mislaid. Subscribers or exchanges who are entitled, to the paper

and fail to receive it regularly are desired to inform us that any omission may be corrected. Missing numbers are furnished gratuitously where the faultrests with the publishers. PATENT CLAINS-Persons desiring the claim of any in

vention 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 as fees for copying.

Literary Notices.

RAILROAD AND CIVIL ENGINEERS POCKET BOOK.— We have examined the above-named book, which was advertised in our columns last week, and find it crammed with usefulinformation, got up with great care by its au-thor, Oliver Byrne, C. E., and neatly printed and bound for pocket use. It contains a great number of tables to shorten calculations, and contains much new matter on civil engineering, which, its author says, is derived from personal experience. Published and for sale by C. Shep-ard & Co., No. 154 Fulton St., this city.

LESLIE'S GAZETTE OF FASHION—The Februarynum-ber of this monthly containsillustrated descriptions of the fashions, hall dresses, riding dresses, head dresses, &c., Published by FrankLeslie, No. 12, Spruce street, N. Y.

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BALLOONS—Balloons of all sizes made to order, with printed instructions to fill and use them, comprehen-sive to ordinaryminds. A 25 feet diameter balloon, all complete for aerial voyages, \$300 Address JOHN WISE, Aeronaut, Lancaster, Pa. 234* eow

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ORS. THE UNDERSIGNED having had TEN years' practical experience in soliciting PATENTS in this and time; countries, beg to give notice that they con-time to offer their services to all who may desire to se-cure Patents at home or abroad. Wer three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average ifteen, or one-third of all the Patents issued each week are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draughtsmen, which renders us able to prepare applications on the shortest notice, while the experience of a long practice, and facilities which few others possess, we are able to give the most correct counsels to inventors in regard to the patentability of inventions placed before us for ex-mination. Private consultations respecting the patentability ofin-

give the most correct counsels to inventors in regard to the patentability 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, at all the steps necessary 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 an opinion as to patentability, without charge. Models and fees can be sent with wafety 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 sentfree of postage to any one wishing to learn the preliminary steps towards making an application. In addition to the advantages which the long experience inte dimough our establishment, are noticed, at the prop-er time, in the SCIENTIFIC AMERICAN. This paper is icread by not less than 100000 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 for in the U.S., go through our agency. MINN & CO. American and Foreign Patent Attornies, 123 Fulton street, New York; 22 Essex Strand, London; 29 Boule-vard St. Martin, Paris; No. 3 Rue Thereisteinue, Brussels.

urday, Feb. 9, 1956:--H. P., of CL, \$30; C. W. P., of N. J., \$10; D. T., & of Del, \$30; S. & B., of Mich., \$15; I. A. H., of s., \$25; C. F. B., of O., \$30; W. H. H., of Mass., \$30; S. of Pa., \$10; J. M., of Pa., \$25; J. N., of C., \$30; W. T., of CL, \$15; A. L., of Pa., \$25; G. W. F., of s., \$30; S. B. D., of Mich., \$25; J. N., of Pa, \$10; W. S., of CL, \$30; T. S., of N. Y., \$25; R. U., of Mich., \$25; J. S., of N. Y., \$25; C. A. VanD., of Ala, \$25; B., of N. Y., \$25; J. D., of N. Y., \$25; B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25; J. D., of N. Y., \$25, B., of N. Y., \$25, J. D., of N. Y., \$25, B., of N. Y., \$25, J. D., of N. Y., \$25, B., of N. Y., \$25, J. D., of N. Y., \$25, B., of N. Y., \$26, J. D., of N. Y., \$26, M. H., of Pa.; J. Z. A. W., of Pa.; J. M. of

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P. N. FITZGERALD, Counsellor at Law-fice-has removed from Washington, D. C. to the city of New York, 271 Broadway, (corner of Chamters St.). As heretofore, his practice is confined to Patent Cases, which he will prosecute or defend. as counsel, Lefore the Su-preme and Circuit Courts of the United States, also before the Patent Office, or the Judges having jurisdiction of ap-peals therefrom.

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THE CHIPS ROTARY PLANING MACHINE. — The Supreme Court of the U. S., at the Term of 1863 and 1864, having decided that the patent granted to Nich olas G. Norcross, of date Peb 12, 1860, for a Rotary Pla ning Machine for Planing Boards and Planks is not an infringement of the Woodworth Patent. Rights to use the N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York. Office for sale of rights at 208 Broadway, New York Boston, 27 State street, and Lowell, Mass, 19t

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