

TO CORRESPONDENTS.

E. I. M., of Ohio.—A great many plans have been projected to construct "common road engines," some of which have been put in practice, and, after a short trial, abandoned.

O. C., of Pa.—You will perceive by the number on this paper that the volume will close in eleven weeks. We do not accredit traveling agents to solicit subscribers.

E. C. C., of La.—It is a little singular that a patent should have been issued in England for identically the same process as you describe, and at about the same time.

J. E., of Pa.—We cannot perceive any advantage to be obtained in the use of syphon spouts to conduct water to a horizontal wheel.

E. S. W., of Ill.—It has been proposed to us a number of times to condense air in huge cylinders by windmills and store its power for use.

J. McK., of N. Y.—If you get Smees' work on Electro-Metallurgy, it will give you the information respecting plating.

O. R. E., of Pa.—You have not stated your question, in relation to injecting a gallon of water into a heated boiler, with sufficient clearness to enable us to give you a precise answer.

N. N., of —.—You do not seem to be aware of the fact that it has been attempted to navigate balloons by sails, and taking advantage of different currents of air.

P. W., of Mass.—You have been anticipated in your invention by the patent granted by the English Government to Sir James Murray, of Dublin, for improvements in deodorizing cod liver oil so as to render it more agreeable to use.

H. H. R., of Texas.—We are not acquainted with the person nor the work of Wyman the ventriloquist. Gutta serena composition for belts is made of black lead mixed with that substance.

G. H. L., of Scipio.—Mr. W. obtained a patent in March, 1855, for a stump puller. We do not see anything wrong in his circular.

A. H. N., of Me.—Address R. A. Vervalen, of Haverstraw, N. Y., respecting the brick machines. We cannot tell why your circular saws are so far behind others in the quantity of work they execute.

A. B., of —.—You will find all that we know of the subject in the articles now publishing relating to India rubber.

E. B. M., of Miss.—Mr. Wise has published a work on the history and practice of aeronautics. It is published by J. A. Speel, Philadelphia.

H. H. A., of Ill.—Brewster's Optics is the best work with which we are acquainted, but it does not give such full information on the construction of optical instruments as would enable you to manufacture them.

S. Crump, Pittsford, N. Y., wishes to purchase a Jacquard loom.

J. N. P., of Va.—A hand seed sower such as is described in your letter of the 9th, does not cover anything new or patentable.

C. F. B. E., of —.—You had better not send your sketch to us for preservation. Your best course is to preserve it among your papers.

John B. Bell, of Shelbyville, Ky., is respectfully informed that we are not engaged in the sale of clover harvesters. Will some of our readers be so kind as to write to Mr. Bell, giving the price and such other particulars about this machine, as will be useful for him to know.

E. H. B., of —.—Your sketch certainly does not illustrate the moon's supposed rotation and revolution with the same face presented to the earth, but quite the reverse.

R. J., of N. Y.—You cannot obtain any advantage from the use of a syphon in drawing water to drive a wheel.

C. W. J., of C. W.—You are much mistaken if you suppose that any saving of fuel can be effected by the use of high pressure steam. You can use a more compact engine, that is the only object gained.

A. McD., of Tenn.—It is easier to color cotton than flax, but the same drugs and processes are employed for both.

E. P. W., of Ohio.—We have seen it stated in almost every paper in our country that some wheat obtained from unwrapping a mummy 3,000 old retained its vital principle, and when sown yielded a good crop.

J. B. W., of Ohio.—James Hughes, Cambridge City, Ind., is the patentee of a hominy mill; you had better address him upon the subject. \$2 received.

J. C., of Ohio.—You can procure maledoon reeds of Carhart & Neadham, of this city. We could not explain to you intelligibly how to make them.

J. B. P., of Ind.—The offer of \$10,000 for the best marble sawing machine was made by Mr. Manly, and the Patent Agent, in Washington, who told you that it was only a trick of ours, uttered a falsehood, and he knew it to be one when he made it.

H. T., of E. I.—The wood of the willow tree is the best for making clogs, or wooden shoes. It is light and tough. You should cut it down in the fall, and dry it well before using it.

E. D. & G. D., of Mass.—We will re-publish your advertisement in the same number in which the engraving appears. We hope to get your engraving in next week.

H. C. R., of Pa.—We received your model about three weeks since, and as there was no name on it, nor any accompanying explanation, we could get no clue whatever to its origin.

In Vol. 5, of the Sci. Am. we published an engraving of the same thing. If you can gain access to that volume you will find several engravings of paddle wheels, which may be interesting to you. We are out of that volume.

J. A. W., of N. C.—H. Schlarbaum, No. 290 Broadway, is the person to whom you refer as the manufacturer of model steam engines.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, June 14, 1856.—

J. H., of Ind., \$55; J. A., of Tenn., \$25; G. & H., of Ill., \$45; A. W. B., of Iowa, \$50; J. H., of S. C., \$100; G. W. LaB. & Co., of N. J., \$250; H. & A., of Miss., \$20; S. E. H., of N. Y., \$55; P. A., of N. J., \$10; N. M., of N. Y., \$50; J. A., of London, \$100; S. & B., of Wis., \$30; J. Mc A., of Ga., \$50; S. & B., of Mich., \$25; J. & B., of N. Y., \$250; B. I., of N. Y., \$250; B. M., of Pa., \$30; M. L. P., of Texas, \$25; M. & N., of Conn., \$25; A. & B. N., of N. Y., \$10; E. T. H., of Pa., \$25; C. S. P., of Conn., \$30; J. P. & Co., of Conn., \$60; H. U. C., of Pa., \$25; J. B., of Ill., \$25; E. A., of Conn., \$50; D. F. K., of Vt., \$45; J. A. S., of Tenn., \$15; D. C. W., of Pa., \$30; A. O. B., of Ky., \$30; G. L., of N. Y., \$30; M. O. C., of C. W., \$500; W. S., of Wis., \$30; H. A., of Ill., \$52; A. G. B., of Ct., \$30; R. E., of N. Y., \$25; J. R. P., of N. Y., \$500; J. W. R., of Me., \$25; E. D. C., of Mich., \$30; J. H. G., of N. C., \$35; J. K., Jr., of N. J., \$25; T. G. B., of Vt., \$30; J. G. B., of N. Y., \$15; F. J. F., of N. Y., \$25; J. F. H., of N. Y., \$20.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 14.—

J. A., of Tenn.; G. & H., of Ill.; W. G. C., of O.; A. W. B., of Iowa; C. & T., of Wis.; J. E., Jr., of N. J.; H. L. & Co., of Pa.; T. G. B., of N. Y.; W. F., of Mass.; J. G. B., of N. Y.; M. L. P., of Tex.; W. & N., of Conn.; F. J. F., of N. Y.; B. & P., of Ind.; J. B., of Ill.; H. H. C., of Pa.; J. F. H., of N. Y.; D. F. K., of Vt.; J. E. C., of Me.; R. E., of N. Y.; N. M., of N. Y. (2 cases); J. W. R., of N. C.

Important Items.

To THE UNFORTUNATE.—We are no longer able to supply the following back numbers of the present volume Nos. 6, 12, 14, 15, 17, 18, 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 34, 35, and 37. Such numbers as we have to furnish, are gratuitously supplied to such subscribers as failed to receive them; and we would take occasion to state, that any person failing to receive their paper regularly, will confer a favor by notifying us of the fact. Missing numbers should be ordered early, to insure their receipt, as an entire edition is often exhausted within ten days after the date of publication.

MODELS.—We shall esteem 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.

PATENT CLAIMS.—Persons desiring the claim of any invention 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 date of patent when known, and enclosing \$1 as fees for copying.

RECEIPTS.—When money is paid at the office for subscription, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

Literary Notices.

LONDON QUARTERLY REVIEW.—This excellent review for the present quarter contains eight very fine essays.—The first is on British Family Histories, and is very interesting. A review of the Haldanes—two rich and pious brothers, who, it may truly be said, sold all they had and devoted it to the cause of Christianity—is the noblest essay in this number. Published by L. Scott & Co., No. 54 Gold St.

Terms of Advertising.

Table with 2 columns: Line length and Price. 4 lines for each insertion, \$1; 8 lines, \$2; 12 lines, \$3; 16 lines, \$4.

Advertisements exceeding 16 lines cannot be admitted neither can engravings be inserted in the advertising columns at any price.

All advertisements must be paid for before inserting.

BOILER INCURSTATIONS PREVENTED.—A simple and cheap condenser manufactured by Wm. Burdon, 102 Front St., Brooklyn, will take every particle of lime or salt out of the water, rendering it as pure as Croton, before entering the boiler. Persons in want of such machines will please state what the bore and stroke of the engines are, and what kind of water is to be used.

IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had Ten years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average fifteen, 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, and Specification writers are in constant employment, 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 examination.

Private consultations respecting the patentability of inventions are held on charge, by the 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, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and description of the improvement should be first forwarded, which we will examine and give an opinion as to patentability, without charge.

Patents are not made safe with safety 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 sent free of postage to any one wishing to learn the preliminary steps towards making an application.

In addition to the advantages which the long experience and great success of the undersigned in the present business to inventors, they are informed that all inventions patented through our establishment, are noticed, at the proper time, in the SCIENTIFIC AMERICAN. This paper is read by not less than 100,000 persons every week, and enjoys a very wide 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.

MUNN & CO. American and Foreign Patent Attorneys, Principal Office 123 Fulton street, New York.

IMPORTANT TO INVENTORS AND PATENTEE.

The subscriber who has (being an inventor and patentee) for a long time felt the need of commodious rooms located in our principal cities in the Middle States, where inventors and patentees might show and sell their useful machines, &c., is now determined to wait no longer for others to start this enterprise, and has, therefore, thrown open one or two of his splendid large rooms connected with his Agricultural Implement Warehouse, Fifth and Chestnut sts., Philadelphia, to all persons who may wish to show new and useful inventions to the world free of charge.

CAUTION.—Notice is hereby given that the undersigned members of the firm of Harrington, Willson & Shuey have this day (June 24, 1856) instituted legal proceedings in the Court of Common Pleas, within and for Montgomery County, New York, against the firm of John R. Harrington, to enforce articles of co-partnership between them, to compel the conveyance to said firm by said Harrington of a patent right issued to him during the week ending April 1st, 1856, on Machinery for Making Carpet Lining, Wadding, &c., and to restrain said Harrington from disposing of said patent, or any interest under it to other persons. The public is therefore warned that the purchase of said patent from said Harrington during the pendency of said legal proceeding will be in fraud of the rights of the undersigned, and at the peril of purchasers purchasing.

JESSE A. WILLSON, JACOB SHUEY.

IMPROVED SUN SHADE.

The undersigned, patentee of this article, which was illustrated in the first number of the present volume of the Sci. Am., has appointed C. & J. Davis, New York, general agents for the manufacture and sale of the same. All orders for sun shades and applications for agencies must be addressed to them at New York. S. N. CAMPBELL.

AGRICULTURALISTS.—State rights of Hughes Patent Hand Corn Planter for sale, the cheapest, lightest, and most durable now in use; five thousand sold this spring. Single machines sent by express free of charge on the receipt of \$5. Descriptive circular sent on application. A few traveling or local agents, well recommended, can find employment. Address, D. W. HUGHES, New London, Missouri.

50 STEAM ENGINES.—From 3 to 40-horse power also portable engines and boilers; they are first class engines, and will be sold cheap for cash. WM. BURDON, 102 Front St., Brooklyn.

GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use, and costs much less. WM BURDON, 102 Front St., Brooklyn.

1,000 YOUNG MEN of small means can make over 100 per cent. at home or abroad. Profits certain—no "chance." Business new, easy, useful, honorable. Apply (inclosing stamp) to Box No. 333, Detroit, Mich.

PORTABLE STEAM ENGINES.—S. C. HILLS, No. 12 Platt St., N. Y., offers for sale these Engines, with Boilers, Pumps, Heaters, etc., all complete, and very compact, from 2 to 10 horse power, suitable for printers, carpenters, farmers, planters, &c. A 2 1/2 horse can be seen in store, it occupies a space 5 by 3 feet, weighs 500 lbs., price \$240; other sizes in proportion. 27 3/4

LOCKS for Churches, Court Houses, &c. Regulators and time pieces for jewelers, firelocks, offices, &c. Also glassials of any size for illuminating, and other kinds manufactured and warranted by the subscriber.—JOHN SHERRY, Oakland Works, Sag Harbor, N. Y. 37 1/2 eow

THE MORELAND MORTISING MACHINE Company.—The patentee, Mr. Moreland, gentleman in this city, and the Company are now engaged in the manufacture of his Patent Boring and Mortising Machines; and after the 15th of June next they will be prepared to furnish machines of the best quality, being made of iron and steel, and are extremely strong, heavy, simple, durable, and not liable to get out of order. This machine is well adapted for railroad car building, reaping and thrashing machines, also for wagon and carriage hubs of every description. It works two chisels, that act independent of each other, which can be set to give the required taper to the mortise to suit the spoke, no trimming being necessary. The manufacture of this machine has been retarded by Mr. Moreland losing all his machines, tools, patterns, &c., by fire, orders and communication relative to said machine from April 4, 1855, have not been received by proper parties. All communications to receive attention should now be addressed to the Moreland Mortising Machine Co., Adrian, Mich. 40 3/4

WANTED.—A partner with a capital of \$3000 or \$4,000 in cash or machinery, to manufacture agricultural implements. I will furnish two valuable patents of my own invention, well tested. For further information address D. W. HUGHES, New London, Mo. 40 2/4

M. & J. H. BUCK & CO., Lebanon, N. H.—Manufacturers and dealers in all kinds of wood-working machinery, such as Daniel Gray & Wood's Timber Planing Farrow, improved Cylinder Planer, with tapering matchers, Power and Foot Mortising Horizontal and Vertical Boring, Tenoning, Sash and Cornice molder, and other machines. Spoke Lathes, Scroll Saws (Wright's patent), also a large double Tenoning Machine, capable of making one or more tenons at the same operation, Circular Mully and Gate Mills, portable Grist Mills, &c. Also Fosters' and Buck & Co's patent Presses for making Fosters' Artificial Granite Building Block. 40 4/4

MACHINE BELTING, Steam Packing, Engine Hose.—The superiority of these articles manufactured of vulcanized rubber is established. Every belt will be warranted superior to leather, at one-third less price. The Steam Packing is made in every variety and warranted to stand 300 deg. of heat. The hose never needs oiling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouse, New York Belting and Packing Co., John H. Cheever, Treasurer, No. 6 Dey St., N. Y. 25 4/4

GREAT WESTERN MACHINERY AND PATENT AGENCY.—The undersigned have established a house for the sale of machinery and patent rights at No. 64 Randolph St., Chicago, Ill. RICHARDS, ELLSWORTH & CO. 38 19 1/4

STONE SAWING MACHINE.—The patent for a superior machine for sawing stone in taper slabs, posts, monuments, &c., is now offered low for cash, or its equivalent. For particulars, address (post-paid) A. F. WARD, Patentee, Louisville, Ky. 37 5 1/4

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John St., N. Y. 37 3mos

WROUGHT-IRON PIPE.—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John St., N. Y. 37 3mos

FORBES & BOND, Artists, 89 Nassau St., N. Y., Mechanical and general Draughtsmen on wood, stone, &c.

THE NEW YORK DAILY SUN for \$2 a year. The miracle of the present age is accomplished by the Publisher of the New York Sun, in furnishing subscribers in clubs of thirty or more with the daily paper by mail for \$2 a year. The Sun commenced in 1833; is the oldest, as well as the cheapest of all the cheap daily newspapers. It contains the latest news to be had by telegraph, mail, or express—is independent on all subjects, and has for other platform "Common Sense." Clubs payable in advance, 5 copies one year \$10; 10 copies \$20; 15 copies \$30; 20 copies \$40; 25 copies \$50; 30 copies \$60. Single copies \$4 a year. Papers to be sent in one wrapper, and only by mail, and to be directed to one person only. The postage on the Daily Sun within the State of New York is only 7 cents per year, and only \$1.50 to any other part of the United States. Specimen copies sent gratis on application. Letters (always post paid) to be directed to MOSES S. BEACH, Sun Office, New York City. 37 1/4

SCHENCK MACHINERY DEPOT—163 Greenwick street, New York, keeps always on hand Lathes, Planers, Drills, Steam Engines, Woodworth's Patent Planing Machines, Belting, &c., in great variety. Tools furnished of any size, to order, and of the best quality. A. L. ACKERMAN, Proprietor. 23 10 1/4

WHEELS CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepowers, Saut Mill, Saw and Grist Mills, Irons and Castings, Saw Goggles, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. LOGAN & LIDGERWOOD, 13 1/2 9 Gold St., N. Y.

VERTICAL STEAM ENGINE and Boiler for Sale at a bargain. The Engine is nearly new, and well finished. The cylinder is 9 inches; the fly wheel is a band wheel 5 feet in diameter, face 14 inches, turned off, weight 1350 lbs. The boiler is 20 feet long, 42 inches in diameter, 17 inches thick, well braced wrought-iron heads; it is very strong, and has been in use about six months; is about 15-horse power. Cost \$1200, will be sold for \$775 cash; delivered on ship board. Apply to MUNN & CO., at this office.

MACHINISTS' TOOLS.—Meriden Machine Co have on hand at their New York Office, 15 Gold street, a great variety of Machinists' Tools, Hand and Power Punching Presses, Forcing Pumps, Machine Belting, &c., all of the best quality. Factory West Meriden, Conn. 32 13 1/4

1856.—WOODWORTH'S PATENT Planing, Tonguing and Grooving Machines.—The subscriber is constantly manufacturing, and has now for sale the best assortment of these unrivaled machines to be found in the United States. Prices from \$85 to \$1450. Rights for sale in all the unoccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y. 30 3m

FILMER & CO., Electrotypers, and Manufacturers of Electrotype Materials, 125 Fulton St., N. Y. Molding Presses, Boring Cases, Boring Plans, Shaving Machines, Metal Kettles, Planes, Blocks, Building Irons, etc., etc., on hand, or furnished at short notice, and at moderate charges. Adams' Improved batteries and black-lead machines also for sale. 23 1/4

PATENT ALARM WHISTLE.—For Speaking Pipes. The right of a limited number of the Southern States, of this valuable patent, for sale on reasonable terms. Apply to W. OSWALD, No. 67 Ann street, N. Y. 29 13 1/4

OIL! OIL! OIL!—For railroads, steamers, and for machinery and burning.—Pease's Improved Machinery and Burning Oil will save fifty per cent. and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and found in no other oil. It is offered to the public upon the most reliable, thorough, and practical test. Our most skillful engineers and machinists pronounce it superior and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The Scientific American, after several tests, pronounced it "superior to any other they have ever used for machinery." For sale only by the inventor and manufacturer. F. S. PEASE, 61 Main St., Buffalo, N. Y. N. B.—Reliable orders filled for any part of the United States and Europe. 53 1/4

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing 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, 203 Broadway, New York. Office for sale of rights at 208 Broadway, New York Boston, 27 State street, and Lowell, Mass. 19 6m

GRAIN MILLS.—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order, a great variety of his approved Flour and Grain Mills, including Baking Machinery, Elevators, complete with Mills ready for use. Orders addressed as above to the patentee, who is the exclusive manufacturer, will be supplied with the latest improvements. Cut sent to applications, and all mills warranted to give satisfaction. 29 1/4

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks, &c., on hand and finishing. These tools are of superior quality, and are for sale low for cash or approved paper. For cuts giving full description and prices, address, "New Haven Manufacturing Co New Haven, Conn." 19 1/4

HARRISON'S 30 INCH GRAIN MILLS.—Latest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 31 1/4

W. P. N. FITZGERALD, Counselor at Law.—late Principal Examiner in the U. S. Patent Office—has removed from Washington, D. C. to the city of New York, 271 Broadway, (corner of Chambers St.) As heretofore, his practice is confined to Patent Cases, which he will prosecute or defend, as counsel, before the Supreme and Circuit Courts of the United States, also before the Patent Office, or the Judges having jurisdiction of appeals therefrom. 29 1am 1/4