

TO CORRESPONDENTS.

S. G. B., of Ohio.—Your plans are wholly futile and worthless. We advise you to abandon them entirely.

J. P. D., of Pa.—You had better send us your model with a full description, and we then can give you correct advice. Your discovery has been noticed to prove priority, for your benefit.

L. W., of Vt.—The lead inside of your pipe is an oxide, and a poison. Soft is more dangerous than hard water, in lead pipe. A work on drawing published by Blackie & Son, Fulton street, this city, would suit you, price 50 cts. per number. The other on landscape drawing we cannot say anything about.

W. C. A., of Mo.—The Postmaster has charged you double postage, and ought to refund it. If he does not know the law and cannot comprehend its meaning, some one should be appointed who can.

J. C. R., of Pa.—You had better address Mr. Latham, at Washington, D. C. We cannot give the information.

R. W., Jr., of N. Y.—We believe that your self-fastening lock would be very useful and valuable.

J. K., of California.—We have demonstrated the question a number of times, of lead sinking to the bottom of the ocean to any depth; it is quite true that the Atlantic Ocean has been sounded to the depth of four miles.

R. M. R., of Ill.—The fixing of the colors on a daguerreotype plate would indeed be a fine discovery. A great many patents have been taken out for improvements in carriage wheels.

J. G., of Ala.—A common way of seasoning lumber here, is just to dry it in a close brick room, in which a common stove is placed. After the fire is kept up for some time, a window is opened to let out the moisture. Brick fires are safer than an iron stove. Bulkley's plan is a good one; it is done with steam heat. His residence is Lafayette, Ind.

O. P. W., of Conn.—By your description all the improvements in setting the lathe to make only one revolution instead of 30 or 40. Is there not some other feature which you have not described? The result is good, and we believe you have made a patentable improvement but you must describe at greater length to enable us to judge correctly.

J. C. R., of Iowa.—We have learned since replying to you last, that Fr. Meisner, 169 Front street, this city, is agent for the Prussian Needle Gun.

J. N. P., of Mass.—Your specification we amended as you suggested, and sent it to the Patent Office. We will endeavor to get your engraving into our next number.

W. S., of Pa.—Your letters patent were duly received. The 25 extra papers will cost you one dollar.

J. C., of C.—Your plan to propel a vessel, by pistons working in horizontal tubes communicating with the stern is not new. It was first proposed by the Earl of Stanhope, it cannot answer so well as the paddle wheel. We have the same device illustrated in one of our works.

J. W. Y., of Ark.—There is nothing new or patentable in your suggestion about the crank and walking beam engine. Neither do we see any advantage likely to grow out of it.

C. C., of Ga.—There is no work on mining that will approach to giving you the information you desire. By a study of geology you might in time be able to determine the ores likely to be found underneath the ground from the general appearance of the surface. \$3 placed to your credit.

H. G. R., of Tenn.—Your Reaper is old and worthless. Send \$15.

H. S. W., of Ga.—Engravings cost from 5 to 25 dollars. We cannot tell how much yours would cost without examining the invention.

D. B., of N. J.—If you have the article wanted you can take the prize. You had better when here examine all the conditions attending the introduction of the feeder.

J. F., of Ohio.—Your improvement in railroad car axles is not new. We have had the same thing in our office within the past two years—inventors name not remembered.

R. A. P., of Tenn.—You had better address C. A. Mann Troy, N. Y. He makes small engines to order.

J. N. R., of S. C.—We cannot advise how you can make the clock profitable to yourself. You had better ascertain how far railroad companies would take an interest in it by purchase, this you can do by correspondence.

R. W., of L. I.—We cannot afford you any satisfactory information of the instrument for relieving deafness.

J. S., of —.—There is no patentable novelty in your method of making ice houses.

E. M., of N. C.—We do not remember of any patent for making paper of reeds. You had better look over the official list of patents published in the Scientific American.

N. W. W., of Ohio.—We think you cannot obtain Napier's Metallurgy in this country. G. P. Putnam & Co. of this city can import it.

J. B. U., of Ct.—Treadgold on the steam engine is published in London. You can procure it through Messrs. Blackie & Sons, 117, Fulton street, New York.

N. B. S., of Ind.—If the instrument is new it could be patented, but the idea of applying electricity to the cure of disease is old and well known.

N. R., of N. Y.—Your alleged improvements in auger handles embraces no patentable device. A model of the same thing was in our possession more than a year since G. W., of Pa.—Send us a sketch of your pump and we will examine it. You are correct in thinking we do such things.

D. J., of Pa.—We do not think an elevated railway will be constructed in Broadway at present. The track will be laid in the street like other city railroads. Your subscription expires with No. 22. Pease's rotary steam engine embraces the feature suggested in your letter.

A. D. H., of Geo.—Direct to House Telegraph Company, New York City; this we suppose to be sufficient.

J. T., of Canada.—If you wish to advertise your machine in the "Scientific American," you are at liberty to do so at our rates. We never take pecuniary interest in inventions.

J. C. W., of N. J.—Allen's patent for raising and lowering carriage tops was issued in 1856.

J. T. G., of N. J.—By reference to the back volumes of the "Scientific American," you can find a receipt for good whitewash. Three weeks before the expiration of a subscription we send a notice to that effect.

B. W., Jr., of Pa.—You cannot secure a patent for rotary cutters used in mowing machines. We have frequently had models and sketches sent to us of this device for examination.

G. S., of Pa.—Your sketches show both fans running in the same manner, a mistake on your part. The blades as in No. 1, should strike down at the back end of the fan case, driving out the air in line with the pipe.

Wm. Ferrel, Mount Holly, N. J., wishes to know where Gray's Patent Hay Scales are manufactured.

C. M. S., of Mass.—Such ideas as you have in regard to inventions, you should develop before offering them for examination. You should not engage in too many things at one time. We cannot put any one in the way of making money—this art is not in our line, we would serve ourselves and all our friends in this way if we could. Consult some maker about your chair improvement.

J. W. P., of Ill.—We have published an engraving of Richardson's Atmospheric Telegraph, it is patented.—Your plan is similar to one we saw four years ago.

W. L. K., of Ohio.—We don't think much of your plan for improving the paddle wheel. It could not in our opinion afford any advantage, and would increase the liability of accident arising from derangement and breakage of parts.

J. W. G., of N. Y.—Yours will be corrected next week. J. B. S., of Pa.—Your initials must go in, we cannot place a fictitious name on such an article.

C. Van U., of N. Y.—We will give your's attention next week.

S. L. R., of N. Y.—The Juries of the Crystal Palace were selected, we believe, by B. Silliman, Jr., B. P. Johnson, and Samuel Webber. There are fifteen Juries appointed; no exhibitor competing for a prize was allowed to be on a Jury.

Money received on account of Patent Office business for the week ending Saturday, Nov. 5:—

J. F. F., of S. C. \$54.77; B. L., of N. Y. \$30; D. P. B., of Cal. \$30; F. H. W., of Ga. \$60; J. A. A., of Va. \$30; J. H. R., of N. Y. \$60; G. M. R., of N. Y. \$5; H. N., of Pa. \$55; C. V. A., of N. Y. \$50; J. P. M., of N. Y. \$5; F. & K., of Mass. \$30; J. R. A., of N. Y. \$15; M. J., of Va. \$40; S. B., of Mass. \$25; W. G., Jr., of N. Y. \$35; C. V. B., of N. J. \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Nov. 5:—

J. P. M., of N. Y.; F. & K., of Mass.; S. B., of Mass.; J. R. A., of N. Y.; W. & T., of Md.; J. C., of Ill.; S. H., of N. Y.; G. & H., of N. Y.; N. T., of N. Y.

A Chapter of Suggestions, &c.

ALL GONE, ALL GONE.—At the commencement of the present volume, we printed 5,000 extra copies, which we concluded would be sufficient for the subsequent demand. It is now but eight weeks since Volume Nine was commenced, and to the disappointment of many we are obliged to announce that the entire editions of two numbers, 1 and 2, are all gone, and that we shall not be able to furnish the back numbers to any parties who order after this date.

MISSING NUMBERS.—Mail Subscribers who have failed to receive some of the numbers of Vol. 5, are informed that we are able to supply them with any of the numbers, from 1 to 52, except the following, and these are ENTIRELY OUT.—Nos. 2, 3, 4, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 47, 48, 49, 50, 52.

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 possible, 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.

RECEIPTS.—When money is paid at the office for subscriptions, 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 bonafide acknowledgment of the receipt of their funds.

BACK NUMBERS AND VOLUMES.—In reply to many interrogatories 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.

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 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 enclosing \$1 for fees for copying.

PATENTERS.—Remember we are always willing to execute and publish engravings of your inventions, providing they are of interesting subjects, and have never appeared 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 engravings 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 be claimed by the inventor, and subsequently used to advantage in other journals.

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.]

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American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M. until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They should not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the special attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

MUNN & CO., Scientific American Office, 125 Fulton street, New York.

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THE SUBSCRIBER is Agent for the sale of a new and improved method of easy construction and ready sale; costs 75 cents—Price for \$2. Drawings and directions sent on receipt of \$3. Also the Pocket Dictionary of Mechanical and Mathematical terms for mechanics, inventors, patent agents, &c. Mailed on receipt of 25 three-cent stamps, by PRESCOTT EDMUND HORSELY, Rochester, N. Y.

CUPPER'S STAIR-BUILDER'S GUIDE.—The copyright of this valuable Architectural work for sale, with the remainder of the edition on hand. Any person wishing to devote his time and attention to the sale of this book, might realize a handsome fortune—20,000 copies (\$6 per copy), with proper management, can be sold in the United States. Address or apply to Wm. GOWANS, 175 Fulton st., New York.

NOVA SCOTIA AND NEW BRUNSWICK PATENTS.—The undersigned will procure Letters Patent for the Provinces of Nova Scotia and New Brunswick, and will promptly forward all information relative to such matter, upon the receipt of a reasonable fee.

Barrister, Attorney at Law and Notary Public. St. John, N. B.

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description. Broker in steam vessels, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Conical Packing, Faber's Water Gauge, Sewell's Salinometers, Dudgeon's Hydraulic Lifting Press, Koebling's Patent Wire Rope for hoisting and steering purposes, etc. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway.

HUDSON MACHINE WORKS and Iron Foundry—at Hudson City, N. Y., are prepared to contract for castings for railroads, bridges, buildings, gas pipes and posts, water pipes, cast-iron ornamental floors, cannon, &c. Steam engines and boilers, high and low pressure, sugar mills, Cornish lifting and forcing pumps for mines, also superior hydraulic pumps and presses, and superior machinists' tools made to order. Special attention given to the making of patent machines. Orders by mail will receive prompt attention.

T. H. LANG, (late foreman at the New York Novelty Works), F. COOK, H. McCLELLAND.

BLACK LEAD CRUCIBLES.—Of superior quality. Warranted equal to any manufactured in the world, by D. H. PURINTON, of Somerset, Mass.

POLYTECHNIC COLLEGE.—Of the State of Pennsylvania, south-west corner of Market st. and west Penn Square, Philadelphia. This College, incorporated by the Legislature in 1827, is designed to afford a thorough professional education to students intended for Engineering, Mining, Agriculture, and the Mechanical and Chemical Arts. The Trustees announce that the Lectures on Chemistry and its application to the Arts, will be commenced in the Lecture Room of the College, by Prof. Alfred L. Kenney, M. D., on Tuesday, Nov. 1st, at 12 o'clock, M., and be continued on Mondays, Tuesdays, Thursdays and Fridays, throughout the Session. The Analytical Laboratory is also open for students in Practical Chemistry. MATTHEW NEWKUK, President Board of Trustees.

JOHN McINTYRE, Sec'y.

MACHINERY.—S. C. HILLS, No. 12 Platt-st., N. Y. Dealer in Steam Engines, Boilers, Iron Planes, Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machines; Woodworth's, Daniels' and Law's Planing Machines; Dick's Presses, Punches, and Shears; Mortising and Tenoning Machines; Belting; Machinery Oil, Beal's Patent Cob and Corn Mills; Burr Mill and Grindstones; Lead and Iron Pipe, &c. Letters, to be noticed, must be post-paid. Itfeow

SOAP STONE.—An extensive strata of fine Soap Stone, or what is more commonly known as French chalk, is for sale, cheap. Address WM. HENRY, Wyoming, P. O., Luzerne Co., Pa.

MATHEMATICAL OPTICAL INSTRUMENTS.—The subscriber begs leave to bring to the notice of the professional community, his new and extensive assortment of the above Instruments, which he partly imported direct from the most celebrated makers in Europe and partly had manufactured under his own personal supervision. The undersigned would particularly invite attention to his very large and complete assortment of the justly celebrated Swiss Mathematical Drawing Instruments, for the sale of which in this country he has the sole Agency, and which he can furnish at from \$5 to \$200 per case. Orders from any part of the Union promptly executed, and price list sent if required.

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EUREKA GOLD SEPARATOR.—This machine has been thoroughly tested by scientific and practical gold miners, and pronounced far superior to any Analgamer yet known—an Analgamer taking up but three feet square, and very trifling power, is capable of amalgamating one ton per hour, with great ease and perfection, without any loss of quicksilver whatever. They are portable, and delivered in boxes ready for shipment. Price \$300 each. Further information can be obtained on application to JOHN S. BUSSING & CO., 32 Cliff street, N. Y.

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NEW HAVEN MANUFACTURING COMPANY.—Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinists' Tools, consisting of power planes, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts to fit all sizes and kinds of universal chuck gear cutting engines; drill presses, index plates, belt casters, and 3 size slide rests. The Company are also manufacturing steam engines. All of the above tools are of the best quality, and are for sale at 25 per cent. less than any other tools in the market. Cuts and list of prices can be had by addressing as above, post-paid. Warehouse No. 1 Platt st., New York, S. C. HILLS, Agent N. H. Manufacturing Co. 5 ft

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PARSONS' SELF-STRAINING SAW.—Requires only ten pounds weight to strain it, and combines the advantages of both muley and gate or sash mills, will bear as much feed, is as easily kept in order, will cut as much lumber with one-fourth less power, and is in successful use in five States. A working model is in the Crystal Palace, where further information can be had, or of the proprietor at Wilkesbarre, Penn. JAMES JONES, S. E. PARSONS, Agent.

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