

TO CORRESPONDENTS.

"V. P. R., of Boston."—Your plan appears to us very different from Cochran's Patent.

"A. N. S., of N. Y."—The plan of your wind wheel appears to us to be excellent.—Should regard it as new and practicable. You had better construct a model and forward it for further examination. The drawings will be kept safe by us until we have time to hear from you again. Paper sent.

"H. L., of Ohio."—Mr. Hecker's letter has been received and the amount placed to your credit. We are now very much engaged in arranging matters connected with the history of propellers and tanning, and may take occasion in future to furnish you information upon gunnery.

"E. M., of Ind."—We have examined the drawings of your Bran Separator, but we have reason to believe that an application for Letters Patent would prove unsuccessful. We are unable to enter into a minute detail of these reasons, but give it as our opinion, in a few words as possible, that no patent could be secured. We have your best good in view.

"J. W. & Co., Mich."—We are unable at present to tell you who has nail keg machinery for sale; perhaps some of our subscribers may be in the way to furnish the information, and should we hear any thing regarding it in future we will make a note of it through our columns. P. Naylor, Stone st., N. Y., can give you all information about the galvanized roofing.

"M. K., of Indiana."—Calomel in any number of doses cannot become corrosive sublimate. Why? Because there will always be atom for atom.

"H. A. F., of Mass."—We do not think that it would be advisable to adopt your form of cylinder cap and bottom, and the piston. It would not, in our opinion, be so easily packed as the common kind.

"R. B., of N. Y."—We know of nothing to keep the casting from sticking in the sand, except care in moulding. Chilled castings avoids that, but it is the sand castings to which you refer. It would be a grand discovery to obviate the use of the acids.

"L. S., of N. Y."—We received yours on the crank. It is a very able and original article. We would present it, but you know that we have said so much on the subject that we cannot prudently say any more on it at present.

"N. U., of Conn."—We know of no one at present who desires to engage a mechanic to do such work as you wish to engage in.

"S. & Co., Mobile."—Your letter of the 1st inst, is received, and the \$15 placed to your credit.

"R. C., of Mass."—We have never seen a leech constructed like the one represented by you, and should think that a patent could be obtained for it. We cannot give our opinion concerning its mercantile value. Physicians or dealers in such articles are more able to advise than we are.

"M. W. H., of N. Y."—We have no numbers containing the description of Mr. D.'s patent.

"F. B. Van S., of Ohio."—We are under the impression that Dr. Chadbourne, of Concord, N. H., is the proprietor of a Stone Cutting Machine. By addressing him, post-paid, you could ascertain the full particulars. \$1 received.

"G. S. of N. H."—The drawings of your propeller have been examined, and we fail to discover any new principle in the arrangement. Paddles have been used to operate so as to present the greatest amount of surface during their passage through the water, and to present their edge to the face of the wheel while rising out of it, working between the rim of the wheel. Contrivances like these have been variously modified. We do not think a patent could be obtained for it.

"G. F., of N. C."—When the model of your Spring Saddle reaches us, we will advise you in regard to its novelty, and the expense of an application for Letters Patent.

"L. B., of Ala."—At last your model has come to hand. These Members of Congress move slow. Your application will be taken up at an early day.

"D. V., of Ohio."—We cannot learn that any new results have been developed by Mr. P., all yet remains a mystery, so far as we know. \$2 received.

"L. P., of N. H."—We never undertake the sale of rights, but we think you had better apply to those dealing in agricultural implements. There are several good houses in Boston of this character.

"P. B., of St. Louis."—Your letter has been sent to Mr. Foster for attention. If you should not hear from him you could address Barry & Fish, of Brockport, N. Y., we understand that they sell drilling machines.

"F. J. E., of Vt."—We cannot furnish the information you want in regard to the Remington Bridge. \$2 received and credited for one year's subscription.

"R. C. J., of Miss."—By reference to No. 27, Vol. 4, Sci. Am., you will find that we have expressed your views; we must therefore decline publishing your article.

"C. H. L., of La."—Your favor containing \$3 has been received and the amount credited. We regret that we cannot give you the information asked for relative to the fan machinery. Mr. Edwards, we think, has left the city.

"A. B., of N. Y."—Your bound Vol. 4 was sent to Fort Plain by Wells & Co., on the 5th inst.

"R. F. S., of N. Y."—Your letter has been filed for further attention. The engravings can be made here, if you desire it.

"S. S. R., of Tenn."—Your letter has been handed over to responsible parties for attention. The patent papers have been received and lodged in the office, as we have before stated.

"A. J. B., of Mich."—We think your improvement on the lathe a good one, and do not see why a patent could not be secured. Whatever is new and useful about your other invention can also be patented.

"N. M. A. F., of Mass."—C. B. Hutchinson, of Waterloo, Seneca Co. N. Y., has a patent for an excellent windmill, by addressing him you could obtain all the particulars.

"F. H. K., of Pa."—The principle of your invention is similar to that for which application is now pending at the Patent Office, invented by Mrs. O'Meara, of this city. We do not think you could obtain a patent for it.

"H. M., of Ohio."—Several different plans have been constructed for causing the paddles of wheels to come out of the water vertically. We have no great faith in such contrivances after what we have seen. No. 15 sent.

"J. B., of Ohio."—We think your improvements in Grain Separators are new and patentable. You had better send a model. Cannot answer your other questions.

"J. C. W., of N. C."—Such machines as you refer to were made in this city by T. J. Wells, not long since, but he has given up the business and gone to California. We cannot now tell you where they can be had, but will bear the matter in mind. \$3 received and placed to the credit of yourself and Mr. Young.

"W. M. P., of Ohio."—The reason why the balls cast in the iron mould had a rough surface, was owing to the air not being allowed to escape from the mould. Afford means for the air to escape, and the skin will be finer than the sand mould—this is what is wanted.

"J. R., of Mexico."—Your order will be attended to.

"J. A., of Mass."—By addressing J. D. Johnson, Esq., Redding Ridge, Conn., you will be able to derive all the information you require concerning the Saw Sharpener.

W. T. C., of N. C.; L. A., of Ct.; R. N. P., of Mass.; G. S. T., of Me., and E. F. W., of Conn.

Specifications of your inventions have been forwarded to you for signature, by mail, during the past week, and we hope you will sign them as early as convenient, and immediately forward them back to this office again.

Money received on account of Patent Office business, since Feb. 5, 1850:—

J. S., of Ind., \$50; T. F. Van R., of N. Y., \$30; G. B., Jr., of Texas, \$150; E. H., of Mass., \$10; T. T. W., of Ct. \$30; W. H., of Mass., \$30; O. E. of Mass., \$40; E. R. B., of Wis., \$10; J. H., of Mass., \$25.

ADVERTISEMENTS.

A LIST OF VALUABLE SCIENTIFIC AND MECHANICAL BOOKS,

FOR SALE AT THE SCIENTIFIC AMERICAN OFFICE.

Ranlett's Architecture, 2 Vols., bound,	\$12.00
Ewbank's Hydraulics and Mechanics,	2.50
Gilroy's Art of Weaving,	5.00
"Scientific American," Vol 4, bound,	2.75
Munroe's Drawing Book,	3.00
American Steam Engine, Plate and Book of Description	3.00
Scribner's Mechanics, Tuck, Gift,	1.50
Treatise on Marine and Naval Architecture,—published monthly, each No.,	.75
Leonard's Mechanical Principia,	1.50
Mahan's Civil Engineering,	3.00
Morritt's Chemical Manipulations,	2.50
Instructions for Testing, Melting, and Assaying Gold	.25
Dugan's great work on the Stone, Iron, and Wood Bridges, Viaducts, &c., of the United State's Railroads. Published monthly in parts to be completed in 12 parts. Parts 1 and 2 now ready, each	.75
N. B. This work is supplied to subscribers only.	

Patent Office.

128 FULTON ST.

NOTICE TO INVENTORS.—Inventors and others requiring protection by United States Letters Patent, are informed that all business relating to the procurement of letters patent, or for caveats, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms. Messrs. Munn & Co. can be consulted at all times in regard to Patent business, at their office, and such advice rendered as will enable inventors to adopt the safest means for securing their rights. Arrangements have been made with Messrs. Barlow and Payne, Patent Attorneys, in London, for procuring Letters Patent in Great Britain and France, with great facility and dispatch.

MUNN & CO.,  
128 Fulton street, New York.

THE GRAEFENBERG MANUAL OF HEALTH.

—The Manual of Health just published by the Graefenberg Company, 7 parts, 300 pages, 12mo. This is the most useful and comprehensive, as well as the cheapest medical work extant, and should be in the hands of every family. Part 1st contains an account of the different medical theories of the present day, both good and bad, and their relation to the health of the community. Part 2d presents a new doctrine: The Americo-Graefenberg System, which need but be understood to command the confidence of the whole community. Part 3d describes the causes, symptoms and treatment of almost every form of disease, including those diseases peculiar to females and children, useful to all classes, even to physicians, as a hand-book. Part 4th contains important directions for preserving health, &c. Part 5th. Hints for Nurses, treatment of persons recovering from sickness, cookery for the sick, &c. Part 6th, Domestic remedies described, including mode of raising and preserving medicinal roots, &c., making lotions, poultices, colognes, cosmetics, &c. Part 7th contains a collection of useful tables, recipes, &c. For sale at the office of the Graefenberg Co., 50 Broadway, and by booksellers generally. Price 50 cents. Liberal discount to dealers.

NOTICE TO POSTMASTERS.—As it is the wish of the Company to distribute this work extensively, any Post Master forwarding \$2 for four copies shall be entitled to one copy gratis.

VERY IMPORTANT.

—To persons owning a mill privilege on a small stream of water where they can obtain 24 feet or more fall, in a short distance—about 35 feet is preferred—the subscriber will furnish a motive power and fixtures which will be acknowledged by all who have seen the operation not to be excelled. A specimen can be seen in the South East part of the town of Canaan, 6 miles from Falls Village, and in the South part of the town of Washington, Berkshire Co., Mass., 8 miles East of Lenox Court House, and in the Shaker Village of New Lebanon, Columbia Co. N. Y. It is simple in its construction and very permanent and durable. It is peculiarly convenient for a common sawmill. I commonly use about 12 square inches of water for a sawmill and make it saw 100 feet of boards in ten minutes. For further particulars enquire at the office of the Litchfield Enquirer, by letter to the subscriber directed to Falls Village, Litchfield County Conn. or to Daniel Copley New Lebanon, Columbia Co., N. Y. I have also a very important improvement for the Saw frame and the pitmaa irons, which I warrant to excel all others.

The very best of reference and information will be given on request by letter or otherwise. All letters must be post paid. 4\*22 HENRY WIGHTMAN.

SASH AND BLIND MACHINE.—Patented by Jesse Leavens, of Springfield, Mass., is the best Sash and Blind Machine now in use. The Machine cost \$300 at the shop where they are made, near Springfield—extra charge for the right of using. The machine does all to a Window Sash and Blind except putting them together. Orders from abroad will be promptly attended to, by addressing JESSE LEAVENS, Palmer Depot, Mass. 22 201\*

SCRANTON & PARSHLY, New Haven, Conn. have just finished and will sell, to the first who will fork over the cash, 2 splendid side Lathes, 12 feet long, swings 25 in., weighs 2500 pounds, with back and screw gearing—centre follower, rest, drill chuck, and overhead reversing pulleys—all complete, price \$300. It is a rare chance for those in want of Lathes. Also, 7 of those 8 feet Lathes, a \$125; each. The fact that 5 of them have been sold within the last 10 days, is all that need be said. Send the money and we will ship to your order. Other Lathes (large 2d lathe excepted) as heretofore advertised in this paper, for sale at low prices as usual. 22 tf

TO PAINTERS AND OTHERS.—American Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemical Oil Stove Polish. The Drier, improves in quality, by age—is adapted to all kinds of paints, and also to Printers' inks and colors. The above articles are compounded upon known chemical laws, and are submitted to the public without further comment. Manufactured wholesale and retail at 114 John st., New York, and Flushing, L. I., N. Y., by QUARTERMAN & SON, Painters and Chemists 3m\*

TO IRON FOUNDERS.—Fine Ground Sea Coal, an approved article to make the sand come off the Castings easily; fine bolted Charcoal Blacking; Lehigh fine Dust, and Soapstone Dust for facing stove Plates, &c. &c.; also, Black Lead Dust and Fire Clay, for sale in Barrels, by GEORGE O. ROBERTSON, 303 West 17th street, or 4 Liberty Place, between Liberty st. and Maiden Lane, N.Y. 9 14\*

MACHINE BELTING.—The mineral composition belting having been fairly tested, is offered with confidence as being as good as leather, and much better than any other kind of belting—the price is less than that of any other kind—say for No. 3—4 inches wide, 14 cents per foot—6 inches, 20 cents—12 inches, 47 cents—20 inches, 80 cents—for No. 2 which is stouter—3 inches, 12 1/2 cents—7 inches, 29 cents—13 inches 67 cents—intermediate and larger sizes in proportion. Orders enclosing cash will be filled at once by S. C. HILLS, machinery agent, No. 43 Fulton Street, N. Y., who buys and sells on commission, all kinds of machinery, and has for sale Steam Engines, Boilers, Lathes, Planers, Drills, Pumps, Johnson's Shingle Mills, Sawmills, Mortising and Tennoning Machines, &c. &c.—Letters must be post-paid. 20 4t

PATENTS.—THOMAS G. CLINTON, OF the firm of Clinton, Knight & Brother, Solicitors for Patents, Cincinnati, Ohio, leaves for Europe by the steamer of the 6th of February. Any commissions in regard to Inventions or Patent business in Great Britain, France, Germany or Continental Europe generally, which may be entrusted to his care, will meet with his best attention. Communications may be directed to him in Washington till the 25th January, and to Boston till the departure of the steamer, or they may be sent to Clinton, Knight & Brother, Cincinnati, Ohio, for forwarding to him. 19 4t

ECCENTRIC & CONCENTRIC LATHE.

We have on hand a few of Alcott's celebrated Eccentric and Concentric Lathes, which the inventor informs us will execute superior work at the following rates:— Windsor Chairs, Legs and Pillars, 1000 per 11 hours. Rods and Rounds " " 2000 " " Hoe Handles, " " 500 " " Fork Handles, " " 800 " " Broom Handles, " " 1.25 " " Also various other work in the same ratio. It will turn smooth over swells or depressions of three-quarters to the inch. The Eccentric Lathe will do work as fast and better than any other machine, and are sold without frames for the low price of \$25—boxed and shipped. Address, (post paid) MUNN & CO. 141tf At this Office.

SECOND HAND STEAM BOILER FOR SALE.

—The subscribers have each two Cylinder Boilers, which they offer for sale—one pair is 22 feet long and 21 inches diameter; the other 24 feet long and 20 inches diameter. They are now in use and in perfect order—have not been burned or strained. The connecting pipes, try and stop cocks, &c., will be included. Ready for delivery next Spring.—Price \$250 per pair, in cash or approved notes. Letters of enquiry, (post paid) to either of the undersigned, will meet attention. EDWARD WILBUR, M. A. HARRINGTON, Albion, Orleans Co., N. Y., Jan. 25, 1850. 21 4\*

W.BANKS' REPORT NOW PUBLISHED.

—Report of the Commissioner of Patents, for the year 1849.—Part 1.—Arts and Manufactures; embracing the Commissioner's view of the Origin and progress of Invention; The Motors—Chief Levers of Civilization. Proposed application of the Patent Fund: 1. Publication of Specifications; 2. Preparation of a General Analytical and Descriptive Index of Inventions; 3. Institution of National Prizes; and on the Propulsion of Steamers. With an introduction by Horace Greeley. Price \$7 1/2 cents. J. S. REDFIELD, Clinton Hall. For Sale at the Scientific American Office. 21 4\*

TO RAILROAD COMPANIES, ETC.

The undersigned has at last succeeded in constructing and securing by letters patent, a Spring Pad-lock which is secure, and cannot be knocked open with a stick, like other Spring locks, and therefore particularly useful for locking Cars, and Switches, etc. Made of different sizes to suit the purchaser. Companies that are in want of a good Pad-lock, can have open samples sent them that they may examine and judge for themselves, by sending their address to C. LIEBRICH, 18 10\* 46 South 5th St., Philadelphia.

LAW'S NEW PLANING MACHINE.

For boards and plank, is now in operation in this city—planing, tonguing and grooving at the same time, with rapidity and beauty. It is believed to be superior to any other machine, as it will do the work of two or three rotary machines, and for all Southern, and the majority of Northern lumber, the execution is much better. Machines, with rights for States, or Counties, can be had by applying to the subscriber, at 216 Pearl street, or at Collyer & Dugand's mill, foot of West Fourteenth street, where the machine is at work. 2 tf H. LAW.

BRITISH PATENTS.

—Messrs. Robertson & Co., Patent Solicitors, (of which firm Mr. J. C. Robertson, the Editor of the Mechanics Magazine from its commencement in 1833, is principal partner,) undertake THE PROCURATION OF PATENTS, for England, Scotland, Ireland, and all other European Countries, and the transaction, generally, of all business relating to patents. Instructions to inventors can be had gratis, on application to Mr. THOMAS PROSSER, 28 1/2th street, New York; as also the necessary forms of Petition and Declaration for British Patents. PATENT OFFICE, 166 Fleet street, London. m1 tf

FOREIGN PATENTS.

—PATENTS procured in GREAT BRITAIN and her colonies, also France, Belgium, Holland, &c., &c., with certainty and dispatch through special and responsible agents appointed, by, and connected only with this establishment.—Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application. JOSEPH P. PIRSSON, Civil Engineer, 20 1f Office 5 Wall street, New York.

LAP WELDED WROUGHT IRON Tubes.

For Tubular Boilers, from 1 1/4 to 7 inches in diameter.—The only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France, and Germany, for Locomotive, Marine and other Steam Engine Boilers. THOMAS PROSSER & SON, Patentees, 25 Plattstreet, New York. m1

ADEE'S AMERICAN CAST STEEL.

Works, (at the foot of 24th st., E. River, N. Y.) The above works are now in successful operation, and the proprietor would respectfully call the attention of machinists and all consumers of the article to an examination of his Steel, which he is warranted by the testimony of the principal machinists and edge tool makers of this city, in recommending as fully equal in every respect to any ever used in this country. A full assortment of the different sizes constantly on hand, which the public are respectfully invited to call and examine at the office of DANIEL ADEE, 51 Cms 107 Fulton street, New York.