

TO CORRESPONDENTS.

"W. B., of Worcester."—We think no patent has ever been obtained for an arrangement, such as you describe. If this is the only point you desire to settle before making experiments. We can advise you to go on without fear.

"J. H. C., of Ohio."—We will soon answer you.

"J. H. P., of New York."—Your plan was wrong. We shall have to write an article on the subject. The wool is first dyed and then the cotton must go through a cotton process, using cold sumac.

"J. W. M., of Phila."—Your beam surely can be patented. We do not wish to say any more about it, till you decide.

"J. S., of Ind."—Your letter containing \$50 is received. All right.

"E. W. of N. Y."—In regard to the draught of chimneys, the present plan of locomotive and other smoke pipes, are the reverse of the plan you propose. You know that this is a subject that requires practical testing, and the old plan, which had been used for generations, was to taper the chimney to the top. The inverted cone has proved to be the best plan, for all the old chimneys smoked.

"J. T. M., of N. Y."—We cannot tell the reason of your boiler foaming: it may be that you have put potatoes, indian meal, or something of that kind in it; if so it will soon get over it. Foaming is not uncommon when some substances get in the boiler. Clay makes the water foam, and so does bran—if the water is hard.

"E. W. D., of Ct."—We believe that you could obtain a patent, but you must confine your claim to the way of making the shuttle accomplish the object stated. The first thing required is a model, which must show the operation.

"E. V., of N. H."—We advise you to try the experiment to convince yourself, and mind what we tell you, that you will be much disappointed. No motive power of 700 lbs. can be obtained by an expenditure of only 200 lbs. This would be a creation of power—a thing impossible. We have no faith in any rotary engine that we have ever yet seen.

"J. E. B., of Md."—Parker claims as an infringement two wheels on a shaft, and letting on the water with a circular motion. Yours answers this description.

"P. H. W., of N. Y."—You know that this is a mooted point with millwrights. We have called for information on the subject, and have not got it. The only real way to find out is to try by a Dynamometer—the power given out, with the pinion taking the power at various points, each point a new trial. We are afraid that you cannot make your engine work tight.

"J. V. R., of N. Y."—Your improvement for accidents, by the breaking of axles, is a good one and worthy of a patent, but we cannot tell whether it would be profitable to you or not. If not, save your money. The cost would be about \$50.

"A New Subscriber," of Brooklyn, is informed that he can file a Caveat under the circumstances stated.

"J. H. H., of Ala."—We forwarded the "Architect" at the time specified, and your paper is sent from this office regularly every week. We do not understand the delay.

"R. R. S., of Ky."—Your letter has been received, and is perfectly satisfactory.

"L. B., of Ala."—We have written Mr. Bowden in regard to your model, and will advise you concerning it when we hear from him. The drawings referred to came safe.

"E. T. F., of Va."—The Philosophical Magazine is published in London. We do not think it is for sale here, but Mr. John Wiley, of this city, can import it for you. \$3 received.

"J. M., of Bytown, C. W."—We have been advised by Messrs. J. M. Harvey & Son, of Amsterdam, N. Y., that they are prepared to furnish shoe peg and pail machinery. By addressing them you can obtain the full particulars.

"A. W. B., of Pittsburgh."—By reference to the note addressed to J. M., above, you will find an answer to your enquiry in regard to shoe peg machinery. The best route to California

is across the Isthmus, departing from here by steamer. We think water power is to be obtained in abundance.

"A. N. P., of Geo."—We have handed your letter over to responsible parties for attention. \$2 received.

"J. M. H., of Miss."—We have no specimens to send you.

"C. A. H., of N. H."—We know of but one method of making an oval rotary motion; the outside radius revolves, touching all parts of the oval.

"J. W. C., of Ill."—Oliver Evans constructed a vibrating Engine more than 40 years ago, and they have been in use ever since, more or less. You can make one, if you choose. We can give the price of them, as they are much used here, if we knew the size.

"X. Y. Z., of Ohio."—We do not think that the phosgene gas is patented. C. Fuller, Greenwich street, this city, makes it; think it is a composition of alcohol and camphene distilled together. \$1 received, and credited for 6 months.

"E. J. C., of R. I."—Your incomplete set of vol. 4, would be of no use to us, as we should not be able to complete it. If we should attempt to expose all who sell patent receipts, it would make more business than we could attend to at present.

"B. A. W., of N. Y."—You had better forward us a model of your water wheel, for examination. We can then better advise you as to its patentability. Could you not find some neighbor who would furnish you with funds to patent it with, and retain an interest in the invention? This is sometimes done.

"E. F. B., of N. J."—You had better write to the inventor for information concerning the frame of the Lathe, and we have no doubt you would succeed well. See the Engraving also. We do not know of any slide-lathe, second-hand, such as you speak of, for sale.

"B. F. S., of Vt."—We have given the drawing, a careful examination, but we do not think it sufficiently novel to warrant you in applying for a patent. We could not institute a claim which would be granted, and we advise that you proceed no further.

"S. & S., of Ohio."—We should have written you before, but had nothing to communicate. Please notice that we have not forgotten you. The subscribers' names have all been entered, and we trust that you will attend to the matter promptly for us. Ranlett's Architect, can be sent by mail.

"H. K. N., of Pa."—We can see no reason why you should not receive a Patent for your improvement, according to your statement you have hit upon an excellent plan.

"W. K., of Ala."—The tanner's key referred to, cannot be obtained in this city. The hydrometer can be purchased of B. Pike, this city. \$1 received and credited.

We have received from the discoverer, an article on a new way to determine by the laws of motion, the mean distance at which gravitating bodies revolve around each other. It will appear next week.

We have a number of communications which we will answer next week.

Money received on account of Patent Office business, since Jan. 31, 1850:—

P. E. M., of Mass., \$315; S. A. P., of Ct., \$30; S. K. G., of N. Y., 20; R. Z. S., of La., \$60; C. C. C., of Vt., \$25; W. T. C., of N. C., \$30; L. A., of Ct. \$30.

Notice to Capitalists.

We are authorized, by a company in the State of Ohio, to call the attention of those interested in the manufacture of flour and woolen goods, to the sale of a large and well established concern in one of the best regions of that great State. The ill health of the partners compels them to retire from business.—The full particulars in relation to the above property, may be had by personal application to the subscribers, or by letter, post-paid, to the publishers of this paper. We are assured that this property is very valuable, and offers great inducements to any company who desire to make a profitable investment. Terms will be made easy.

Back Volumes.

We are no longer able to supply Vols. 1, 2 and 3 of the Scientific American. We have on hand about 50 copies of the 4th, Volume bound, price \$2.75, if any of our subscribers are intending to order a copy, they had better do so without delay.

Notice

Whenever any of our friends order numbers they have missed—we shall always send them, if we have them on hand. We make this statement to save much time and trouble, to which we are subjected in replying, when the numbers called for cannot be supplied.

ADVERTISEMENTS.

A LIST OF VALUABLE SCIENTIFIC AND MECHANICAL BOOKS,

FOR SALE AT THE SCIENTIFIC AMERICAN OFFICE.

Table listing various scientific and mechanical books for sale, including titles like 'Ranlett's Architecture', 'Ewbank's Hydraulics and Mechanics', and 'Munn & Co.'s Patent Office'.

Patent Office.

125 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 filing caveats, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms. 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.

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.

FOR \$275.—WE WILL SHIP TO THE first one who will send us \$275, a large 2d hand SLIDE LATHE, 16 feet long and swings 50 inches.—It weighs about 6,000 lbs. It has not been used to exceed six months. It cost when new \$500 without the tools. The Company having failed soon after they put it into use, and we purchased it for the assignee for the above sum, with a view to a job of large heavy job-work that we afterwards declined to take, and it being larger than our present business requires, is the reason we now offer it at the price we paid. It has the overhead pulleys all complete, with a large slide rest, 2 boaring arbors, 3 boaring heads with nutt and pulleys ready for use.

Also, the one who is first in sending us \$100, we will send him a first rate Bolt Cutter, which has not been used but little. It has 3 sets of dies for screws, and 1 set for nuts, 6 caps with overhead reversing pulleys. It will cut 1200 3/4 inch bolts in ten hours. Also, now in store 12 first quality Slide Lathes 8 feet long, swing 16 1/2 inches, weighing 1150 lbs., for the small sum of \$125 each. Other Lathes for sale as heretofore advertised in this paper. For particulars address SCRANTON & PARSHLY, New Haven, Ct., Post Paid.

SECOND HAND STEAM BOILER FOR SALE.

The subscribers have each two Cylinder Boilers, which they offer for sale—one pair 12 1/2 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 cocks 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 WILBER, M. A. HARRINGTON, Albion, Orleans Co., N. Y., Jan. 25, 1850.

EWBANKS' REPORT NOW PUBLISHED.

ED.—Report of the Commissioner of Patents, for the year 1849.—Part I.—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 37 1/2 cents. J. S. REDFIELD, Clinton Hall. For Sale at the Scientific American Office. 21 4*

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—37 cents—intermediate and larger sizes in proportion. Orders enclosing cash will be filled at once by S. G. 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, Planes, Johnson's Shingle Mills, Sawmills, Morticing, Tenoning 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 - - - - 800 " " Fork Handles - - - - 500 " " Broom Handles - - - - 150 " " 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, (postpaid) MUNN & CO. 14 1/2 At this Office.

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 8th 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 1/2 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 PROSECUTION 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, 25 Platt street, New York; as also the necessary forms of Petition and Declaration for British Patents. PATENT OFFICE, 166 Fleet street, London. m 1 1/2

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, Office 5 Wall street, New York. 3 1/2

LAPWELDED 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 Platt street, New York. m 1

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 Softstone 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*

A DEE'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 6ms 107 Fulton street, New York.

CAMERA LUCIDA.—Notwithstanding the

demand for these useful instruments has been so great, we are yet able to supply orders for them. Every draughtsman and every person that desires to foster a taste for the beautiful art of sketching should surely have one. Just received, a new and more beautiful article than has before been offered for sale in this country. Address MUNN & CO., at this office. Price \$6, boxed and shipped where directed. 3 1/2

TO PAINTERS AND OTHERS.—Quar-

terman's Chemical Oil Stove Polish, American Atomic Drier, Electro Chemical graining colors, and gold size. The stove polish is put up in tin boxes of 12 1/2 to 3 1/4 cts. Sold wholesale and retail at 114 John st., New York, by QUARTERMAN & SON, Painters and Chemists. 8 3m*