

TO CORRESPONDENTS.

"S. M. J., of Iowa."—You must furnish a drawing before we can give an opinion upon the novelty of your invention. Patent Laws sent.

"J. F. R., of Pa."—You will please inform Mr. P. that we are not prepared to furnish the Alcott lathes framed. He had better address the inventor for such particulars. We are of the opinion that machines for making horse shoe nails are used at the Troy Nail Works, but we may be mistaken. Such machines are in use.

"J. R. T., of N. Y."—The model of Mr. Clark was forwarded to the Patent Office on the very day it was received here.

"S. V.," of Charleston."—The work which Mr. Peake ordered will be sent by the "North-erner," on Saturday, Feb. 2d. Money received and names entered according to instructions.

"D. O. T., of N. H."—From perusing a description of your improvement for arranging window blinds, there seems to be some new features about it, although similar results have been often produced by different mechanical movements. By sending us a model we can better judge the merits of your invention than by the drawing which we have before us.

"G. E., of N. Y."—No patent could be secured on the signals you speak of. The colored signals, at switches, are used on the English railroads, and these are illuminated. An evil disposed person could remove the lamp—this is the danger. A complete remedy has been adopted on the Newark and Jersey City Railroad.

"J. H., of N. Y."—We know of no patent on such a quilting frame as you speak of—nor, to our knowledge has any like it been used before. Frames for tambering roll the web upon one roll from the other, by a lever and ratchet wheel, but these frames do not fold up like yours. We believe you can get a patent.

"W. L. H., of Ohio."—There are various plans patented to graduate the quantity of water, so this would not be patentable. We know of no flange constructed as you have described, for admitting the water as stated by you; but are you positive that it would be advantageous? We knew of nothing that would stand in the way of a patent. Caoutchouine is not sold in any depot in this city, its price not known.

"A. M., of Ohio."—We believe that your instrument for measuring distances without a chain would answer on a level, but we cannot see how it would answer on hilly ground. It can be very easily tried. This is the best way to do with every instrument.

"W. K., of Pa."—We are giving yours attention.

"C. S., of Ky."—The idea of admitting steam through a journal, is not new, but you may have a different plan from any other in use. It would be well to prepare a rough drawing and forward it for examination, if you should conclude to do so, bear in mind to describe it well by letters of reference.

"P. L. C., of La."—Will endeavor to write you in a few days, in answer to your queries.

"A. G., of La."—Your letter containing \$10 came safe, and the amount has been credited to the subscribers.

"J. D. W., of R. I."—Your Rest is good, but we are afraid that the Patent Office would object to a patent, on the grounds that a similar contrivance has been presented there before. We have seen one nearly like it ourselves, and could not advise you to be at any outlay. The expense would not be less than \$50. The first thing to be done would be to make a model.

"C. D. R., of Mass."—As soon as your model arrives we will give it an examination and advise you in regard to its novelty. \$2 received and credited.

"W. P. B. of Geo."—We are unable to find a copy of Millin's Engineering, and presume it is out of print.

The amount \$3, has been placed to your credit.

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

"J. O., of Pa."—Your letter of the 18th, and contents, came duly to hand. The names have all been entered, and the back numbers sent as desired. Your invention is evidently a vast improvement over the usual mode of securing the spout, etc., but as the nature of the apparatus is not materially changed in your invention; we do not think you could obtain a patent upon it.

"N. & E., Phil."—We are yet unable to recommend to you a good dyer, but will insert an advertisement for one next week. "Morrin's Dynamiter" is the instrument you require, but is expensive. Perhaps some of your engineers could construct one after his plan; Morrin is a Frenchman, and we think his apparatus is not patented in this country.

"W. A. P., of N. Y."—The plan which you advance for Mr. E., for raising water and retaining it in a reservoir, and also the mode of distributing it, is no doubt a very economical way; but it would not possess any patentable novelty: all you could make claim to, would be of combining several well-known devices for accomplishing a certain purpose, which would stand more than an even chance to be rejected. Your mode of raising water is not new—the manner of retaining it is not new, and the mode of distribution is not new—although the combination arranged precisely as you suggest may not have been used.

"J. R. J., of Md."—We know of no one at present who would like to exchange a steam engine, lathes, &c., for castings, but presume, if you would have a brief advertisement put into our advertising columns, it would bring you a customer.

"D. T. G., of Ind."—We fear, if you should apply for a patent on your Sausage Machine it would meet the same fate as your application did on Rat Traps. It is a fine way to hash meat, as your knives are arranged, but machines constructed essentially like yours are in common use in this vicinity. No patent could be obtained for your device. \$1 received and credited as desired.

"J. P., of N. Y."—Your model has been received, and we will write you in a few days concerning the matter.

"K. & P., of N. Y."—There are many works that contain the information you desire. We can send you a copy of a work that contains such information for 50 cents.

"J. A. H. E., of N. Y."—Your improvement on the Grain Reaper appears to be a good one, and entirely new to us. But whether it would be profitable to you or not, we could not tell. It is no doubt patentable. It would cost about \$50 for fees, &c. A Caveat should be entered.

"M. L. S., of Pa."—We have examined your drawings and description. We know of no "Bush," exactly the same, but there are a number of patents for the same thing in substance. Three patents were granted in 1840, for modifications of the same thing. We do not think a patent could be secured for it.

"S. P. J., of Boston."—We do not know where Mr. Cochran is. He is either at Chat-ham or Woolwich Dock Yards. It is patented here. You can procure a copy from the Patent Office, but it will cost considerable, for the specification is very long: we have seen it.

W. B., of N. J.; W. C. W., of N. J.—Caveats of your inventions have been filed at the Patent Office.

J. S. A., of N. Y.; T. S., of N. J.; H. J., of Ind.; W. N. S., of C. W.; S. T. P., of Me., and F. G. M., of N. H.—

The specifications and drawings of your several inventions have been forwarded to the Patent Office since our last issue.

Money received on account of Patent Office business, since Jan. 25, 1850:—

E. F. W., of Conn., \$30. H. T., of Ind., \$23. T. S., of N. J., \$10. F. D. B., of N. H., \$25. R. S. T., of Vt., \$20; and W. C. D., of N. Y., \$28.

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.

Dyer Wanted.

STAR MILL, KENSINGTON, Phila., Jan, 18. MESSRS. MUNN & Co.—We are in want of a first rate woollen dyer—a man of intelligence, and particularly one of sobriety—who can dye all colors, both on wool and in the hank, and who would have some ambition to keep his colors always at the same shade. We dye only the wool and yarn, which we weave ourselves, on 76 looms. The dye-house is new and convenient; and as all Kensington knows, there is not a pleasanter place for a man to work at than at our mill. We should be willing to give good wages, and the man could, if he preferred, bring his own assistants, of which there would be two needed. Respectfully yours, NEEDLES & EVANS.

[A person who thoroughly understands the business of dyeing will find that Messrs. N. & E. can offer such inducements as will be worth their attention. The applicant must be a man of sobriety and intelligence. M. & Co.]

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.

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
Gilroy's Art of Calico Printing,	5.00
"Scientific American," Vol 4, bound,	2.75
Mimie's Drawing Book,	3.00
American Steam Engine, Plate and Book of Description	3.00
Scribner's Mechanics, Tuck, Gilt,	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
Morfit's Chemical Manipulations,	2.50
Instructions for Testing, Melting, and Assaying Gold	.25
Dugan's great work on Bridges,—published in Nos. (one out., each	.75

Patent Office.

123 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. 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. MUNN & CO., 123 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, ointments, 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 of 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 boring arbors, 3 boring heads with nut 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.

BARLOW & PAYNE, Patent Agents and Consulting Engineers, 89 Chancery Lane London m12 tf Patent Journal Office.

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, Morticing and Tennoning Machines, &c. &c.—Letters must be post-paid. 30 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, (post paid) MUNN & CO. 141f At this Office.

TWO 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. LIBBRICH, 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 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, 25 Platt street, New York; as also the necessary forms of Petition and Declaration for British Patents. PATENT OFFICE, m1 tf 166 Fleet street, London.

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 to JOSEPH P. PIRSSON, Civil Engineer, 3 tf 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, m1 23 Platt street, New York.

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, SON, 303 West 17th street, or 4 Liberty Place, between Liberty st. and Maiden Lane, N.Y. 9 14*

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 DEE, 51 Cms 107 Fulton street, New York.

CAMERA LUCIDA.—Notwithstanding the de-

mand 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. 3tf

TWO 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 31 1/4 cts. Sold wholesale and retail at 114 John st., New York, by QUARTERMAN & SON, 8 3m* Painters and Chemists.