

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.

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

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. Ranlett's Architecture, 2 Vols., bound, \$12.00

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.

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.

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.

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.

EWBANKS' REPORT NOW PUBLISHED.—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.

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.

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.

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.

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.

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 so constructed as 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.

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.

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.

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.

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.

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.

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.

TWO PAINTERS AND OTHERS.—Quarterman'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 121-2 to 31 1-4 cts. Sold wholesale and retail at 114 John st., New York, by QUARTERMAN & SON, Painters and Chemists.