

TO CORRESPONDENTS.

"C. C., of Ind."—The drawings of your horse rake has been examined, there is nothing in the combination which would warrant you in applying for Letters Patent.

"T. H. J., of Mass."—Your question cannot be answered until we are made acquainted with your method of preparing the ivory.

"A. S., of N. Y."—Your plan for communicating power to the common dash churn is very simple and good, but very old.

"N. L. M., of S. B."—The Institute referred to is defunct.

"E. C. J., of Mass."—We do not see what advantages you desire from the first plan presented for our consideration, or what particular use you intend it for.

"G. N. C., of Ct."—We do not know what you use in mixing the British luster, if it is alum no patent can be obtained for the composition.

"L. C. B., of Vt."—The portable saw mill referred to is probably the invention of Mr. Geo. Page of Baltimore Md., who will give you any information in regard to price, &c., that may be required.

"S. H., of N. H."—The plan of your switch has been examined. We do not discover any thing new in it—a patent was granted last season to Mr. L. B. Wood of your state, for essentially the same devices.

"W. F., of Liverpool, N. S."—No work upon Practical Tanning can be obtained in this city, the want of it is seriously felt.

"P. N. A., of Ind."—Your drafts have been received, and \$70 paid to Mr. Chamberlain and the balance \$100 credited as per request.

"E. R. B., of Wis."—Your model has arrived and will meet early attention.

"J. C., of N. Y."—The model of your "cut off" has been received, and the expenses paid to Express have been charged to your account.

D. L. G., of N. H., & and A. B. of N. Y.—Shall attend to your cases, as soon as possible which will be about the first week in January.

"J. K. H., of Ala."—It is absolutely necessary that you furnish a good operating model of your invention and no steps can be taken towards making out the papers until a model is prepared.

"T. A. D., of Ind."—We shall be pleased to review your model of the "Best Rotary Engine" out, and would recommend you to forward it by Express immediately.

"H. T. P., of S. C."—A case of instruments were shipped to your address per Engineer of the steamer "Northerner" last Saturday.

W. F. of Ct.—Jesse Fox Esq., resided at Lowell, Mass., at the time he made his application for a patent on boilers (1832) but where he is at present, we know not.

"A. W., of Pa."—You could "get up" one of those "cattle feed steamers" for a much less price than it could be made here and then shipped to you.

"H. G., of O."—Your plan for raising water is simply a well known law in Philosophy and operates by encouraging a small model but practical test has proven that it will not operate on an extended scale.

"J. W. B., of P."—We have seen no wheel constructed exactly like yours—the nearest to it is one in No. 38 of our last Vol.—we are doubtful about obtaining a patent for it.

"J. F. G., of Ohio."—Your plan of pumps is in common use in the English mines, but the assistance of the air is the same for one as for three—the spaces only make the difference.

"A. F. G., of Ga."—Your draft on Messrs. R. C. & Co., was duly received and promptly paid.

"H. J., of Ind."—Your model has been received and your business will be taken up in a few days.

"B. S., of N. Y."—Your specification and drawing was forwarded to you by Wells & Co.'s Express last Monday.

"C. W. B., of N. Y."—Your plan in principle is not new, but the construction is. In Vol. 2, Sci. Am., you will see a number of plans for this purpose.

Money received on account of Patent Office business, since Dec. 19, 1849:—

D. J., of Mass., \$20; W. P., of L. I., \$20; N. P., of N. Y., \$10; C. F., of N. H., \$30; N. T. B., of Pa., \$45; H. A. F., of O., \$37; C. N. G., of Fla., \$25; and F. S. T., of N. Y., \$65.

A. L., of Me., T. G. U. F., of N. H., F. S. T., of N. O., H. A. D., of Ala., W. C. F., of Pa., and C. D. T., of N. Y.

Specifications of your inventions have been forwarded to you for signature, by mail, since Dec. 19th.

J. U. D., of Pa., S. & K., of O.; J. M. B., of Ga., F. S. T., of Pa., and C. D., of N. C.

Persons indicated by the above initials are informed that their funds were received and the Camera Lucida shipped according to their respective orders.

The six laboring days between Christmas and New Year's Day are considered holidays by most New Yorkers, therefore our friends and correspondents must not demur if their letters do not receive the early attention next week that they are accustomed to do, at our hands.

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.

Patent Office.

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.

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, - - - - - 1500 " "

Z. C. ROBBINS, CONSULTING ENGINEER AND COUNSELLOR FOR PATENTERS. Office on F street, opposite Patent Office, Washington, D. C.

Table with columns for GENERAL AGENTS, LOCAL AGENTS, and a list of names and locations including New York City, Boston, Philadelphia, etc.

THE RAMBLER FOR 1850.—The Boston Saturday Rambler will commence its Fifth Yearly Volume on Saturday, Jan. 5th, 1850, on which occasion it will appear in an entire new and elegant suit of type, printed on fine paper, and in all respects equal to the handsomest journal of the day.

Among other features of our paper, worthy of note, may be mentioned the department for Farmers, in which original articles appear weekly from the best agricultural writers in New England; the Financial and Business department, under the direction of an accomplished financial writer; the Markets, which we report with more than usual fullness; the Shipping List, into which we condense with great care, all marine intelligence of interest to New England readers; the News Department, to which careful attention is devoted; besides which is given early intelligence of all new inventions, and discoveries, sketches of travel, historical, biographical and scientific articles, Sunday readings, puzzles, enigmas and problems, humorous sketches, and everything else that can benefit or interest the ordinary reader.

TERMS.—Two dollars per annum in advance. Specimen copies sent gratis, all applications post-paid. Address WILLIAM SIMONDS & CO. No. 12 School Street, Boston.

THE PHRENOLOGICAL JOURNAL.—This Journal is a monthly publication, containing thirty-six octavo pages, at One Dollar a year, in advance. To reform and perfect ourselves and our race is the most exalted of all works.

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.

BRUSH'S IMPROVED DOUBLE ACTING LIFT AND FORCE PUMP.—The subscriber is now manufacturing and has constantly on hand, an extensive assortment of Lift and Force Pumps, to which he would call the attention of owners of factories, breweries, ships, steamships, or for railroad stations and farmers, as one of the most powerful pumps ever yet invented.

TO THE PUBLIC.—The undersigned is prepared to execute in the best manner all kinds of patterns for foundries, models for inventors, and also drawings, if desired, agricultural implements, millwright work, &c., in the best possible manner, at low prices, upon short notice.

PREMIUM STOVE POLISH, &c.—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 12 1-2 to 31 1-4 cts. Sold wholesale and retail at 114 Johnst., New York, by QUARTEMAN & SON, Painters and Chemists.

PARKER'S WATER WHEEL.—The Subscriber offers for Sale, by Counties or States, of the Best Water Wheel for Grist Mills, in the United States, which will grind a bushel of corn from three to eight minutes, under a head of water from five to ten feet.

ENGINE LATHES.—The Subscribers are now manufacturing, and have constantly on hand, an extensive assortment of the best patterns of Engine Lathes, which they offer at the following prices:—A Lathe 8 feet long, swing 19 inches, with back and screw gearing, drill chuck, centre and follow rest, \$200; ditto, without screw gearing, \$150; ditto, with out fixtures, \$125.

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.

SUPERIOR TURNING LATHES.—James Stewart, 15 Canal st., and 106 Elm st. is constantly manufacturing and has now on hand between 50 and 60 superior Lathes of the following descriptions and at reasonable prices, namely: Dentist's Lathes, very highly finished. Brass and Wood Turner's Lathes. Jeweller's and pencil-case maker's, very superior.

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.

TO INVENTORS.—The subscriber begs leave to inform inventors and others that he manufactures working models of machinery &c. in a neat workmanlike manner. Patterns of every description made for Castings. Scroll sawing neatly executed.—Mathematical and Nautical Instrument Cases of every description. JOSEPH PECKOVER, 240 Water street N. York, (between Beekman st. and Peck Slip.)

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.

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.

EMPLOYMENT.—Pleasant and profitable employment may be obtained by a number of intelligent and active young men, in every County, by addressing postpaid, FOWLERS & WELLS, Publishers, 129 and 131 Nassau-st., New-York.

STEAM ENGINES, secondhand, one each 11-2, 6, 8, 16, 20, and 30 horse power. New ditto 11-2 and 5 horse, on hand, and orders taken for any size. Lathes new 5, 7, 8, 10, and 12 feet, the 8 feet lathe is a beautiful article, has back and screw gear, drill chuck, centre and follow rest, overhead reversing pulleys, swings 19 inches and price only \$200.

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.

LAP WELDED WROUGHT IRON Tubes, for Tubular Boilers, from 1 1-2 to 8 inches in diameter.—These are 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 E. DANIELS' PLANING MACHINES.—Manufactured by HOWE, CHENEY & CO., Worcester, Mass. All orders for the above machines executed at short notice and satisfactory prices.