

TO CORRESPONDENTS.

Z. M. J., of Va.—You say "you have lately seen two inventions, suggested by you, published in the Sci. Am. on which patents have been secured by others."

L. M. Y., of Ill.—It is not new to drive a saw directly from the piston of the engine, thus dispensing with the crank.

E. G. F., of Mass.—We can furnish you Vol. 9, bound for \$2.75. We published, in that volume, two illustrated articles on calico printing, which you will no doubt find very interesting.

C. A. C., of Mass.—We are not acquainted with any preparation that is capable of removing superfluous hair without injury to the cuticle.

G. W. M., of Ga.—If one hundred pounds, placed on one of your springs, will close it, by taking ten springs of the same size and strength, and bending them together, they will be ten times the thickness or depth, and according to experiments, they will resist forty times the crushing strain of the single spring.

E. S. R., of N. Y.—You should consult with some lawyer in your place on the point of inquiry involved in your letter.

J. D. B., of Ala.—Printers' rollers, after they become impaired, cannot be renovated by any process known to us.

J. E. S., of Mass.—Your device for indicating the stations to be stopped at along the course of a railroad, as the train approaches them, without the necessity of a verbal notice being given, appears to be new, although others are in use, but those who are unused to traveling would be very apt to misunderstand its object unless some one was especially appointed to explain what it meant.

S. W., of N. H.—You will understand that you cannot patent a principle in a machine or device. The claim must necessarily be based upon its construction and mode of adaptation to a specific purpose.

P. S., of N. Y.—A great deal of genius has been expended on windmills, and especially has this been the case or the past two years. Your arrangement seems to possess some novelty upon which we think a patent could be secured.

E. D. C., of N. Y.—Assignments of patents should always be recorded in the Patent Office within three months after their date. This is the law.

C. E. A., of Me.—The process of galvanizing iron, etc., to prevent its oxidation, to which you refer, was patented in 1837, by M. Sorel, of France. He made application in 1851 to the Commissioner of Patents for its extension for the term of seven years. This application was refused, as the invention is now public property.

Don Juan Santiago Baggally, of Mexico—Your long letters we have received, and read attentively, and hold them subject to your friend's—Mr. Bentley's—order. It would cost you \$500 for government fees, and about \$30 probably for agency fees, to make an application for a patent in this country, unless you have taken oath of allegiance to Mexico, in which event you would have to pay but three hundred dollars for government fees.

NOTICE TO PLOW MANUFACTURERS.—JOSUUA GIBBS, of Canton, O., has invented a machine for Grinding and Polishing plows. By addressing the patentee, a cut and directions for making and using will be forwarded; also the term of three months will be granted to test its utility and advantages. Cost for erecting the machine will not exceed \$15.

JACQUARD MACHINES.—With Harness complete and ready to receive the warps, built on the most improved plan, for the manufacturing of figured goods of every description. Also Ribbon Looms and Card Punching Machines made to order.

W. P. UHLINGER & CO., Germantown Road and Oxford St., Phila.

WATER-GAS ENGINE.—The mechanical defects which prevented the proper running of the Ignition Engine being removed, DR. DRAKE has made an arrangement with the Crystal Palace Management to exhibit and run it for a few days, between the hours of ten and three o'clock, in order to meet the wishes of many who desire to see the New Motor.

CROSBY'S PATENT FOR Resawing Boards.—This important patent granted on the 3rd of Nov. 1841, for resawing boards by an up and down saw, was awarded for a term of seven years from its original date by the Commissioner of Patents. For information about this patent address PEARSON CROSBY, Fredonia, N. Y.

TO IRON FOUNDERS AND STEAMBOAT OWNERS.—Messrs. Ruggle's Rotary Fan Blower, patented Aug. 8, 1854—Messrs. G. D. HARRIS & Co., Fitchburg, Mass., proprietors and manufacturers of the above newly invented blowers, are now prepared to execute orders for them to any part of the United States.

G. A., of Mass.—You err most egregiously in concluding from our remarks on gas engine, at the Fair of the American Institute, that "we appear to think gas cannot be made to propel machinery." No inference of the kind can be drawn from our remarks. On the contrary, we know that gas, air, and electricity can be made to perform this office, but we think the work can be more advantageously and cheaply performed by steam. This is the great essential, and we believe that steam is by far the most economical agent yet devised. Carbonic acid gas is much inferior to steam in this respect, and must stand back for the present.

N. P. A., of N. Y.—We have none of the instruments on sale that you want.

E. & R., of Pa.—Your model has arrived, and will be sent to the Patent Office, to take the place of your imperfect one, immediately. We are sorry you did not make it precisely like the original one; still, as it deviates only in so small a point we guess the Office will not demur at it.

S. S. M., of S. C.—The first screw propeller ever made consisted of perfect screws having two or three turns of a thread. Some with single threads, others double. The formation of the screw of a number of segments is a later improvement. The screw was used as a propeller long before the commencement of the era of steam navigation.

J. S. S., of Mass.—Throughout the entire category of invention, it is not perhaps too much to say, that on no class has so much real genius been wasted as upon rotary steam engines. It has been a great desideratum with inventors to realize a compact rotary machine, capable of economizing all the power in this concentrated form. The intended advantages of the rotary engine are to allow the steam to act directly upon the wheel to be turned, without the intervention of piston rods, cranks, etc., but inventors are strongly warned, by past experience, against the error inherent in engines of this character, and we believe we can say, without fear of contradiction, that not one rotary has yet fully realized the expectation of its projector.

M. F. W., of Tenn.—Stirrups for the purpose of relieving the foot in case of sudden overthrow of the rider, have been frequently suggested, and patents have been secured for them. Your modification, we think, is new and patentable, as we have never seen the same thing before.

Money received at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the week ending Saturday, Nov. 24, 1855:—

A. M. G., of N. Y., \$25; N. & W., of N. Y., \$30; J. H., of Ohio, \$55; A. J. P., of Mass., \$20; R. E., of — \$30; C. & D., of Ct., \$25; T. D. Jr., of Pa., \$30; J. D. A., of Ohio, \$25; R. W. J., of Ind., \$55; R. D., of N. Y., \$20; H. S., of Ct., \$25; L. A. C., of Mass., \$55; C. & S., of Pa., \$25; T. H., of London, \$550; W. H. B., of Pa., \$80; W. C. B., of N. Y., \$25; F. S. C., of Mass., \$30; W. W. H., of Va., \$25; D. L., of N. Y., \$27; J. S., of Ind., \$10; A. P., of N. Y., \$30; J. R. H., of N. J., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Nov. 24:—

D. L., of N. Y.; W. C. B., of N. Y.; W. W. H., of Va.; W. H. B., of Pa.; T. H., of London; A. J. P., of Mass.; J. D. A., of O.; R. P. W., of N. Y.; C. & S., of Conn.; S. W., of N. Y.; E. B., of N. Y.; H. S., of Conn.; C. & S., Pa.

Important Items.

GOING RAPIDLY.—The back numbers of the present volume are fast being exhausted, and those who desire the numbers of Vol. 11 complete, must not wait much longer before remitting their subscriptions, else they will be disappointed.

MODELS.—We shall esteem it a great favor if inventor will always attach their names to such models as they send us. It will save us much trouble, and prevent the liability of their being mislaid.

Subscribers or exchanges who are entitled, to the paper and fail to receive it regularly are desired to inform us that any omission may be corrected. Missing numbers are furnished gratuitously where the fault rests with the publishers.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within fourteen years can obtain a copy by addressing a letter to this office stating the name of the patentee, and enclosing \$1 as fees for copying.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, Price. 4 lines, \$1; 8 lines, \$2; 12 lines, \$3; 16 lines, \$4.

Advertisements exceeding 16 lines cannot be admitted, neither can engravings be inserted in the advertising columns at any price. All advertisements must be paid for before insertion.

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IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had ten years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average fifteen, or one-third of all the Patents issued each week, are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draughtsmen, and Specification writers are in constant employment, which renders us able to prepare applications on the shortest notice, while the experience of a long practice, and facilities which few others possess, we are able to give the most correct counsel to inventors in regard to the patentability of inventions placed before us for examination.

Private consultations respecting the patentability of inventions are held free of charge, with inventors, at our office, from 9 A. M. until 4 P. M. Parties residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and description of the improvement should be first forwarded, which we will examine and give an opinion as to patentability, without charge. Models and fees can be sent with safety from any part of the country by express. In this respect New York is more accessible than any other city in our country.

Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps towards making an application. In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions patented through our establishment, are, as a special favor, free in the Scientific American. This paper is read by not less than 100,000 persons every week, and enjoys a very wide spread and substantial influence.

Most of the patents obtained by Americans in foreign countries are secured through us, while it is well known that a very large proportion of all the patents applied for in the U. S., go through our agency.

American and Foreign Patent Attorneys, 128 Fulton street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris; No. 3 Rue Therassienne, Brussels.

PATENT MONUMENTAL DAGUERRETYPE CASES.—They are made of Parian marble, of a light texture, corresponding well with marble generally used for monuments and head-stones. We manufacture a variety of patterns and sizes to correspond with the different sized monuments. They are fastened on the stone by means of two silver-plated screws. They are cheap, and are warranted to secure the picture from air, water, &c. All orders for goods will be promptly attended to. This arrangement is well worthy the attention of all marble dealers and daguerreotypists throughout the United States. Town, county, and State rights for sale. Address: MAUSOLEUM DAGUERRETYPE CO., Meriden, Conn.

CIRCULAR SAWS.—We respectfully call the attention of manufacturers of lumber to the great improvements recently introduced in the manufacture of our Circular Saws. Being sole proprietors of Southwell's patent for grinding saws, we are enabled to grind circular saws from six inches to six feet with the greatest accuracy and precision. The impossibility of grinding a saw without leaving it uneven in thickness has always been acknowledged by practical saw makers. This causes the saw to expand as soon as it becomes slightly heated in working, and will require less set and less power. Will saw smooth, save lumber, and will not be liable to become untrue. This is the oldest establishment now in existence for the manufacture of circular saws in the United States, having been established in the year 1830. Orders received at our Warehouse, No. 45 Congress St., Boston.

WELCH & GRIFFITHS, 123m

THE UNDERSIGNED PRACICAL Engineer and Millwright will give strict personal attention to all jobs entrusted to him, which may consist in part as follows:—Putting up Engines and Boilers, Steam, or other Pumps and Pipes, Gearing, Shafting, and Pulleys; Planes, Lathes, and other machinery for working Wood or Iron. Erection or repairing of Criss, Feed, Plaster, Saw, or other Mills; Water Wheels, Elevators, Conveyors, and Screws; Upright and Circular Saws and Tables, &c., &c. Patterns, Models, and Drawings made to order, and all guaranteed to be done in a workmanlike manner. Call or address W. H. HAVENS, 174 Nassau St., Brooklyn, or 19 Dutch St., N. Y., care of Wells and Webb.

A. VAN DOREN, EUTAW, ALA.—Will attend to business in Ala. and Mississippi for Inventors, Manufacturers, or Dealers. Will be at this Office Dec. 10th and 11th.

SURVEYOR'S COMPASSES, Surveying Chains, Tape Measures, and other Instruments, &c., &c. M. A. FISKE & BROTHERS, 41 Chestnut St., Philadelphia. Our priced and illustrated catalogue furnished on application gratis, and sent by mail free of charge to all parts of the United States and Canada.

DYOTT'S PATENT IRON FRONT.—Dyott's Patent Furnace, Ludwig's Patent Machine for Felling Trees; (refer to Sci. Am., Sept. 8, 1855, No. 52.) Harrison's Patent Grain Mills. For all the above, information can be had of GEO. C. BARNEY, Agent, 16 Kilby St., Boston.

BARNEY'S PATENT WHIFFLETREE for detaching horses from vehicles, &c., &c. of use should they become otherwise unmanageable. Rights for States, counties, cities, or towns for sale very low. Persons wishing to purchase will please address, GEO. C. BARNEY, Patentee, 16 Kilby St., Boston.

CIRCULAR SAW MILLS (Wells' Patent) Double and Single, of various dimensions, adapted to sawing logs of all sizes to 4 1/2 feet diameter; admitted the most efficient, durable, and convenient machines in the country for manufacturing lumber. Orders promptly filled and mills forwarded to any part of the United States, warranted to give entire satisfaction. Address H. WELLS & CO., Florence, Hampshire Co., Mass.

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description. Broker in steam vessel, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Conical Packing, Faber's Water Gauge, Sewell's Saliometers, Dudgeon's Hydraulic Lifting Press, Robbins's Patent Wire Rope for hoisting and steering purposes, Machinery Oil of the most approved kind, &c.

CHARLES W. COPELAND, Consulting Engineer, 64 Broadway.

MACHINERY.—S. C. HILLS, No. 12 Platt street, N. Y., dealer in Steam Engines, Boilers, Planes, Lathes, Chucks, Drills, Pumps, Mortars, Tonnage, and Saw Machines, Woodworth's and Daniel's Planes, Dick's Planes, Presses and Shears, Cox and Corn Mills, Harrison's Grist Mills, Johnson's Shingle Mills, Belting, Oil, &c.

D. BARNETT, Malleable and Gray Iron Works No. 1 Hamilton, corner McWhorter street, Newark, N. J. Orders promptly attended to.

MACHINISTS' TOOLS.—Meriden Machine Co. have on hand at their New York Office, 15 Gold street, a great variety of Machinists' Tools, Hand and Power Punching Presses, Forging Pumps, Machine Belting, &c., all of the best quality. Factory West Meriden, Conn.

THE EUROPEAN MINING JOURNAL RAILWAY and Commercial Gazette. A weekly newspaper, forming a complete history of the Commercial and Scientific Progress of Mines and Railways, and a carefully collated Synopsis, with numerous illustrations, of all New Inventions and Improvements in the various branches of Engineering. Office 25 Fleet street, London. Price 6s 6d per annum.

DAVIS' ADJUSTABLE AND SELF-ACTING Parallel Vise.—This is a valuable improvement in the method of operating bench vises, the jaws are always secured in a parallel position, at whatever distance they may be apart, and the screw is dispensed with, and its place supplied with a strong sliding beam, in which is a rack, and this, in connection with a pawl or catch, secures the movable jaw in whatever position it is placed. By this arrangement the vise can be opened at any time in one moment, and it can be closed, and the work gripped in an equally short space of time, and in point of time in operating there is a saving of more than nine-tenths compared with the action of a screw vise, and is more accurate, simple, and durable, and needs only to be tried to be appreciated. The first premium was awarded to the vise at the Exhibition of the American Institute at the Crystal Palace, N. Y., 1855. The vises, both wood and iron, are manufactured solely by the Yellow Springs Manufacturing Co., at Yellow Springs, Ohio, and under the personal supervision of the patentees, and will be supplied at wholesale or retail to any part of the United States. Orders, or other communications, must be addressed to R. W. & D. DAVIS, Patentees, or to WM. H. SCHOFFELD, General Agent, Yellow Springs, Greene Co., Ohio.

INCORUSTATION OF BOILERS.—Weissenborn's Patent Incrustation Preventor effectually obviates incrustation, by separating the incrusting matter from the water before it enters the boiler, while at the same time it is of great value as a heater and condenser. The apparatus occupies but little space, is simple in construction and management, and applicable alike to stationary, locomotive, and marine engines. Testimony can be furnished of its successful operation for several months, during which it has been in use here, and for two years in Europe, with water containing an unusual proportion of lime. Drawings and full descriptions will be furnished to parties desiring them. For right to use this invention apply to E. W. SARGENT, Delmonico's Hotel, No. 25 Broadway, New York.

\$500 TO \$10,000—GREAT INVESTMENT.—Any person desirous of investing a large or small amount in a patent right, that the profits of which will clear the whole cost in one month's sales. Can find an opportunity by addressing Box 2,627 this city.

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WATER POWER FOR SALE.—8 hours' ride from the city of New York, near the beautiful and thriving village of Owego, on the New York and Erie Railroad. The wheel is 14 feet diameter, 5 foot bucket, building 15 by 26, two stories high. For particulars apply to HARVEY CHURCH, Troy, N. Y., or H. H. Merrill, Owego, N. Y.

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N. B.—Reliable orders filled for any part of the United States and Europe.

75 CENTS A YEAR.—Or 16 months for \$1. THE NEW YORK WEEKLY SUN is now sent to subscribers at the following very low rates, payable in advance:—One copy, 3 months, 25 cts.; 6 months, 50 cts.; 1 year, 75 cts.; 16 months, \$1; 3 copies, 1 year, \$2; 5 copies, \$3; 10 copies, \$5; 25 copies, \$15; with engravings. The postage with the State is only 13 cents a year—out of the State 26 cents a year. No traveling agents are employed. Specimen copies sent gratis. All letters should be post paid and directed to MOSES S. BEACH, Sun Office, N. Y.

THE NEW YORK DAILY SUN.—Is forwarded by the early mails to country subscribers at \$4 per annum, or \$1 per quarter, payable in advance. The postage under the present law is as follows: to any post office in the State of New York, 78 cents per year, payable quarterly in advance. Out of New York State, but within the United States, \$1.56 per year, payable quarterly in advance. CORNER of Fulton and Nassau sts.

IMPORTANT TO ENGINEERS AND MACHINISTS.—NOTICE.—Those wishing to obtain the genuine articles of Metallic Oil and Grease, should send their orders direct to the manufacturer, AUGUSTUS YOCKNEY, Office 67 Exchange Place, New York. No Agents employed.

WILCOX'S ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Wilcox, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks is not an infringement of the Woodworth Patent. Rights to use the N. G. Wilcox's patented machine can be purchased on application to N. G. WILCOX, 298 Broadway, New York. Office for sale of rights at 208 Broadway, New York, Boston, 27 State street, and Lowell, Mass.

MILLS.—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order, a great variety of his approved Flour and Grain Mills, including Belting Machinery, Elevators, complete with Mills ready for use. Orders addressed as above, to the patentee, and to the exclusive manufacturer, will be supplied with the latest improvements. Cut sent to applications, and all mills warranted to give satisfaction.

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