

TO CORRESPONDENTS.

"A. M. O., of Wisconsin."—Such bits as you want could be had on application to T. Wood, corner of Chatham and Duane sts. The price can be had on application to him. Your method of operating them may answer a good purpose. It is not new.

"A. E. F., of Conn."—To speak plainly and to the point, we must candidly state that the device you offer as an improvement on the steam engine—is of no value whatever. Experiments made years ago prove the correctness of our views. Go no further, for disappointment will surely follow. You have been misinformed in regard to Patent Laws. Patents are granted for 14 years only, not 28.—Inventors are required to make oath to their inventions when application is made.

"W. H. S., of N. Y."—You are correct, for proof see page 230, Vol. 5, Scientific American. Dr. Fitch's claim is there published.

"P. O., of Conn."—It is all nonsense, and we advise you to pay no attention to such statements. You can obtain a patent unless your invention has been in use for more than two years.

"H. J. B. C., of N. C."—Agricultural plaster is worth \$1.50 per barrel, each containing about 300 lbs., we should think. Patagonia Guano is worth here \$2.50 per hundred, a good article.

"T. K., of Pa."—Not having such information as you desired, we addressed Messrs. Wheeler, Melic & Co., Albany, requesting them to furnish it. \$7 received.

"G. H. R., of Ill."—We have reconsidered your case, and we are of the opinion that in Haines & Esterley's patents, the principle of elevating is essentially the same as yours. If you obtained a patent at all, the claim would be very limited and we advise you not to apply. The difference between yours and the one above mentioned is merely mechanical and could not be regarded as an invention. We feel assured that you would have difficulty in getting the patent through. \$6 received and credited to each subscriber.

"L. B. G., of Pa."—You are at liberty to consult us in regard to the novelty of your improvements. We will give you an opinion without charge. \$1 received.

"A. J. R., of N. Y."—We do not think it possible for you to succeed. We can see neither novelty nor utility in the plan you propose for preventing cars from running off the track. It would not inspire any confidence on the part of those who would be likely to take interest in such inventions.

"E. F. P., of Ohio."—Certainly if the principle is new you can obtain a patent. You had better consult us before going any further.

"S. M., of O."—The cost of preparing the papers for an application for a patent, vary from \$15 to \$50 according to the amount of labor necessary to make the drawings.

"Publisher of the 'Chronicle,' of N. Y."—Please accept our thanks for your manifested kindness. We have entered Mr. E.'s name as you directed and forwarded the back numbers to the "Chronicle."

"T. R., of N. Y."—Your requests have been attended to. Shall await your arrival here, or further instructions by letter.

"N. McQ., of Ala."—There is nothing patentable in your plan for raising water. It has been done before.

"W. T. M., of S. C."—We will attend to Mr. I.'s business upon receipt of the model.

"S. K., of Ind."—We are unable to comprehend the nature of the improvements you suggest. Would it not be better to furnish us with a sketch? We can certainly give you better advice after having examined it, than from the description given. We are of the opinion that the plan is new.

"J. F. S., of R. I."—An iron stile will answer the purpose, but we do not know the price. The size depends all on the quantity to be made; one size will work as well as another. We only gave the process, but with respect to the practical of the profit and loss, we could not tell; the process is quite new.

"D. L., of Ill."—We presume the statements are correct. Such a patent was granted July 1846, as you infer.

Money received on account of Patent Office

business, since Dec. 17, 1850:—
J. W., of N. Y., \$30; J. S. S., of N. Y., \$30; H. D. G., of N. Y., \$20; U. P., of Conn., \$20; A. T., of N. Y., \$30; G. F. D., of Vt., \$60; N. N. G., of Me., \$30; H. D. P., of Mass., \$25; C. F. B., of Ga., \$35; and G. E. W., of La., \$60.

Patent Claims.

Persons desiring the claims 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 the year the patent was granted (adding the month of the year when convenient), and enclosing one dollar as fee for copying.

Standing Notice to Subscribers.

Henceforth, parties ordering the Scientific American will be supplied with the paper commencing at the time the order is received, unless they particularly mention that the back Numbers of the present Volume are desired. We have on hand over 3,000 sets of the Numbers already published, and shall be happy to furnish all new subscribers with complete sets whenever requested.

The present volume of the Scientific American will be the most valuable encyclopedia, or year book of inventions we have yet published, and every person ordering it should not fail to receive the back numbers, to render his volume complete.

Those desiring Volume 5 of the Scientific American, are informed that we are able to furnish a few complete volumes, (bound,) at \$2.75 each. Also, we can send by mail sets complete, (unbound,) for \$2. We would also say, that whenever 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.

Terms of Advertising:

One square of 8 lines, 50 cents for each insertion.
" 12 lines, 75 cts., " "
" 16 lines, \$1.00 " "

Advertisements should not exceed 16 lines, and cuts cannot be inserted in connection with them for any price.

Patent Office.

128 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.
Arrangements have been made with Messrs. Barlow, Payne & Parken, Patent Attorneys, in London, for procuring Letters Patent in Great Britain and France, with great facility and dispatch.
MUNN & CO.,
128 FULTON STREET, NEW YORK.

WATER POWER FOR SALE OR TO LEASE.—55 miles from New York, and 3 miles from the Harlem R. R. Depot at Croton Falls. There is a never-failing stream of water, with a fall of 200 feet in one-third of a mile, and about 150 horse power, without any cost of damming or danger from floods. It is a fine situation for a series of small manufacturing and mechanic employments requiring motive power. There are on the premises, consisting of 11 acres of land, a grist and plaster mill, with three runs of stone, and a dwelling house. The country is healthy, fruitful, and picturesque. Enquire of T. R. LEE, Croton Falls. 15 6*

STRAW CUTTER FOR SALE.—We have on hand one of Macomber's Improved Straw Cutters, patented Nov. 5, 1850, illustrated in No. 50, Vol. 5, Sci. Am. Price \$10. Address MUNN & CO.

UNITED PATENT OFFICE IN PARIS AND LONDON.—GARDISSAL & CO., 9 Arthur st., west, city, London; Paris, 29 Boulevard St. Martin.—Procurement of Patents for England, Ireland, Scotland, France, and all countries; and transactions of all business relating to patents, (sale and licenses,) specifications, oppositions, &c. "The Invention," monthly journal, price \$1 a-year. 3meow

MANUFACTURERS' FINDINGS and Leather Binding.—The subscriber is prepared to offer a large assortment of manufacturers' Findings for Cotton and Woollen Factories, viz., bobbins, reeds, harness, shuttles, temples, rockers, harness twines, varnish, roller cloth, card clothing, card stripper and clamps, calf and sheep roller, leather, lace, and picker string, potato & wheat starch, oils, &c. Leather Binding, of all widths, made in a superior manner from best oak tanned leather, rivetted and cemented. 15 3m P. A. LEONARD, 116 Pearl st.

PATENT RIGHTS FOR SALE.—The inventor of the patent "Cut-Off" illustrated in No. 14, Scientific American, desires to effect sales of rights—town, county and State rights will be sold on reasonable terms. Address G. B. MILLNER, Houston, Texas, post-paid. 15 4*

FOR SALE.—A good second-hand Steam Engine, 8 inch cylinder, 32 inch stroke, with one boiler, 3 feet diameter, 22 feet long, with one 16 inch flue, refitted in good order. CHUTE, BROTHERS, Schenectady, N. Y. 13 4*

HUTCHINSON'S PATENT STAVE MACHINE.—C. B. HUTCHINSON & CO., Waterloo, N. Y., offer for sale town, county and State rights, or single machines, with right to use the same. This machine was illustrated in No. 2, Vol. 5, Sci. Am.; it will cut from 1,500 to 2,000 perfect staves per hour. We manufacture machines of different sizes, for keg, firkin, barrel and hoghead staves; also, heading shingle, and listing and jointing machines. These machines may be seen in operation at St. Louis, Mo.; Chicago, Ill.; Savannah, Ga.; Madison, Ia.; Ithaca, N. Y.; Waterloo, N. Y.; Bytown, C. W. Letters directed to us, post-paid, will receive prompt attention. 15 3m*

LEONARD'S MACHINERY DEPOT, 116 Pearl st., N. Y.—The subscriber has removed from 66 Beaver st. to the large store, 116 Pearl st., and is now prepared to offer a great variety of Machinists' Tools, viz., engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, universal chucks, &c. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Cotton Gins, hand and power, Carver Washburn & Co.'s Patent. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing, wrought iron shafting and castings made to order. Particular attention paid to the packing, shipping, and insurance, when requested, of all machinery ordered through me. P. A. LEONARD. 15 2m

CLOCKS FOR CHURCHES, PUBLIC Buildings, Railroad Stations, &c.—The subscriber having made important improvements in the apparatus for counteracting the influence of the changes of temperature upon the pendulum, and in the retaining power, together with a most precise method of adjusting the pendulum to correct time, are prepared to furnish Clocks superior to any made in the United States, both for accuracy of time-keeping and durability. They speak with confidence, from having tested their performance for several years. All clocks ordered and not proving satisfactory, may be rejected. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, L. I. "Mr. Byram has established his reputation as one of the first clock makers in the world"—Scientific American. 4 3meow*

TO IRON FOUNDERS, &c.—Fine ground and bolted Foundry Facing, viz.: Sea Coal, Charcoal, Lehigh, Soapstone, and Black Lead. Fire Clay, Fire Sand, Kaoline, and Fire Brick; also Iron and Brass Founder's superior Moulding Sand, in barrels, or otherwise, for sale by G. O. ROBERTSON, New York. City Office, 4 Liberty Place, Liberty street, near the Post Office. 13 6*

WATER-PROOF BLACKING.—G. R. Townsley having received Diplomas from the various Fairs, where his celebrated Water-proof Blacking has been exhibited, takes this method of informing the public that he continues the manufacture of it at Springfield, Mass. Each box of blacking contains a sufficient quantity to last one person for six months, and it is warranted to render boots impervious to water, gives a good polish, and is a preservative to leather. Address G. R. TOWNSLEY, Springfield, Mass., or H. E. WARREN & CO., Agents, 44 Courtland street. A sample may be seen at this Office. 13 4*

LAP-WELDED WROUGHT IRON TUBES for Tubular Boilers, from 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. THOS. PROSSER & SON, Patentees, 28 Platt st., New York. 8 1f

AMERICAN CAST-STEEL.—The Adirondack Steel Company have re-built their works that were recently destroyed by fire, and are now manufacturing an improved article entirely from home material, as low in price, and warranted equal to any imported steel in market. All sizes Steel, from 1-4 inch to 4 inches square, and from 1-2 inch to 12 inches wide, can be supplied. For sale at the Company's Warehouse, by QUINCY & DELAPIERRE, 81 John st., N. Y. 14 4*

FOR SALE.—One second-hand steam engine, 10 horse power, in good condition, has run only 4 years, with a 3 feet boiler, two flues, and all appendages complete. It can be seen running for a few days, after which it will be taken down and a 25 horse engine put in its place; price \$500, cash; it will be shipped to the first order enclosing a draft. Address, post-paid, 4 Howard st., New Haven, Conn. AARON KILBORN. 14 2*

BARNUM'S PATENT PLANING MACHINES.—These machines, while they possess equal facilities with any other, for planing coarse lumber for flooring, &c., removes all the objections urged against machine planing for ship and steamboat building, or fine ceiling, &c., by finishing the material with the grain, fully equal to hand planing, leaving no indentations on the surface of the board (as in all machines using pressure rollers in planing, by the chips and knots collected passing between the planed surface and weighted feed rollers, thereby destroying fine work, designed for painting, &c.) as there is no appliance whatever on the planed surface. Contracts may now be made for their construction or use, or for the formation of a joint stock company or companies, in any part of the U. S., to successfully prosecute the business by applying to DANIEL BARNUM, Snowden's Wharf, Philadelphia, where the machines may be seen in constant operation. 14 6*

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Matteawan Company, having entered into an arrangement with the Patentee for the manufacture of the so-called Dick's Anti-Friction Press, are now prepared to execute orders for the following, to which this power is applicable, viz.—Boiler Punches, Boiler Plate Shears, Saw Gummers, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woollen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flaxseed, Lard, and Sperm Oil Presses; Stump Extractors, &c. &c. The convenience and celerity with which this machine can be operated, is such that on an average, not more than one-fourth the time will be required to do the same work with the same force required by any other machine. WILLIAM B. LEONARD, Agent, No. 66 Beaver st., New York City. 13 1f

COTTON MACHINERY FOR SALE.—Viz. 4 filing frames, 144 spindles each; dead spindle, nearly new; 1 three head drawing frame, with extra rolls; 1 Mason's speeder, 16 strand; 1 lapper; 1 cone willower; 1 band machine; 1 bundling press; 1 warper—on very reasonable terms, by ELI WHITNEY. New Haven, Nov., 1850. 9 6*

GURLEY'S IMPROVED SAW GUMMERS for gumming out and sharpening the teeth of saws can be had on application to G. A. KIRTLAND, 205 South st., N. Y. 10 6

SCRANTON & PARSHLEY.—New Haven, Conn., will have finished by the 15th of December, 12 Engine Lathes of 8, 10 and 12 feet beds, and weigh 1500, 1650, and 1800 lbs.; price \$200, \$220 and \$240. These Lathes are from a new set of patterns, and are greatly improved from their former small size lathes; they swing 21 inches, and have backward screw gearing, centre rest, follow rest, drill, chuck and overhead reversing pulleys, all hung in a cast iron frame, ready for use. On and after the first of Dec., by addressing as above (post paid) cuts can be had of these, with index card, showing the different pitch threads that these lathes will cut. Two of the power planers heretofore advertised in this paper, are now ready to ship to the first order; they weigh from 4500 to 4600 lbs., when finished. 8 1f

A CARD.—The undersigned begs leave to draw the attention of architects, engineers, machinists, opticians, watchmakers, jewellers, and manufacturers of all kinds of instruments, to his new and extensive assortment of fine English (Stubs) and Swiss Files and Tools, also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English style, which he offers at very reasonable prices. Orders for any kind of instruments will be promptly executed by F. A. SIBENMANN, Importer of Watchmakers' and Jewellers' Files and Tools, and manufacturer of Mathematical Instruments, 154 Fulton street. 16m*

TO PAINTERS AND OTHERS.—American Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemical Oil Stove Polish. The Drier, improves in quality, by age—is adapted to all kinds of paints, and also to Printers' inks and colors. The above articles are compounded upon known chemical laws, and are submitted to the public without further comment. Manufactured and sold wholesale and retail at 114 John st., New York, and Flushing, L. I., N. Y., by QUARTERMAN & SON, Painters and Chemists. 9 1f

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kases, Von Schmidt's, and other Pumps, Johnson's Shingle machines, Woodworth's, Daniel's and Law's Planing machines, Dick's Presses, Punches, and Shears; Morticing and Tenoning Machines, Belting machinery oil; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c. Letters to be noticed must be post paid. 10 1f

BAILEY'S SELF-CENTERING LATHE.—For turning Broom and other handles, swelled work, chair spindles, &c.; warranted to turn out twice the work of any other lathe known—doing in a first rate manner 2000 broom handles and 4000 chair spindles per day, and other work in proportion. These lathes are simple in construction, not liable to get out of repair, and will do enough more than other lathes, in three months' use, to pay their cost. One of them may be seen at the office of N. Star & Co., New York. Price of Lathe for turning broom and hoe handles, rake stales, scythe anathus, Windsor and cottage chair legs and pillars, \$100, with one set of tools; \$125 with two sets. Lathe for turning chair spindles, whip stocks, gun rods, &c., complete, \$75. Orders, post-paid, may be forwarded to L. A. SPALDING, Lockport, N. Y. 9 3m

IMPORTANT NOTICE TO CONFECTIONARY MAKERS.—Whereas, a patent was granted to the undersigned, Oct. 8th, 1850, for an improvement in the manufacture of Comfits, and from certain knowledge which he has received, he believes that parties are using it without his consent. Vigorous measures are now being taken to ascertain who the unprincipled parties are, in order that they may be dealt with according to law. This notice is to warn all not to infringe the patent, as it is not the intention of the patentee to dispose of rights. Partisanship it will have no authority. W. H. HOLT, Patentee. Hartford, Conn., Nov. 25, 1850. 11 8*

THE SUBSCRIBER is now finishing four 14 horse engines, with boiler and apparatus all complete—price \$1200 each. Several 6 horse engines, extremely low; also, several of smaller capacity, complete; also, several power planers, now finishing.—Galvanized chain for water elevators, and all fixtures—price low—wholesale and retail. Orders, post-paid, will receive prompt attention. AARON KILBORN. No. 4 Howard st., New Haven, Conn. 11 6*

MACHINES FOR CUTTING SHINGLES.—The extraordinary success of Wood's Patent Shingle Machine, under every circumstance where it has been tried, fully establishes its superiority over any other machine for the purpose ever yet offered to the public. It received the first premium at the last Fair of the American Institute—where its operation was witnessed by hundreds. A few State rights remain unsold. Patented January 8th, 1850.—12 years more to run. Terms made easy to the purchaser. Address, (post-paid) JAMES D. JOHNSON, Redding Ridge, Conn., or Wm. WOOD, Westport, Conn. All letters will be promptly attended to. 10 1f

A MANUFACTURER WANTED.—I wish to employ for a term of years, a man of industrious habits, good moral character, not more than 40 years of age, qualified to manage and superintend hands in a cotton and spinning factory, and who is a first rate carder and spinner. The location is a healthy one, machinery propelled by water, 700 to 1000 spindles; salary liberal. Nothing short of the most satisfactory recommendations will be considered. Address the subscriber, immediately, at McMinnville, Tenn. WILLIAM BLACK. Central Factory, Tenn., Nov. 25, 1850. 12 4

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, 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, Office 5 Wall street, New York. 7 1f

RAILROAD CAR MANUFACTORY.—TRACY & FALES, Grove Works, Hartford, Conn. Passage, Freight and all other descriptions of Railroad Cars, as well as Locomotive Tenders, made to order promptly. The above is the largest Car Factory in the Union. In quality of material and in workmanship, beauty and good taste, as well as strength and durability, we are determined our work shall be unsurpassed. JOHN R. TRACY. 5 1f THOMAS J. FALES.

FOWLERS & WELLS, Phrenologists and Publishers, Clinton Hall, 131 Nassau st., New York—Office of the Water Cure and Phrenological Journals. Professional examinations day and evening. 3 6m