



25,788.—Stoughton B. Holden, of Woburn, Mass., assignor to himself and Parker Nichols, of Reading, Mass., for an Improved Burglar's Alarm:

I claim the arrangement of the candle-carrier, D, and its hammer, b, upon the torpedo post or standard, B, the trigger lever, g, and the grate or friction plate, C, the whole forming an improved, efficient and simple alarm, to operate as specified.

25,789.—John S. Lash, of Carlisle, Pa., assignor to himself and Franklin Knauss, of Allentown, Pa., for an Improvement in Straw-cutters:

I claim forming the bed, F, in sections, c, each being provided with a spring, e, and having the spiral beaters or followers provided with shoulders, g, substantially as shown, to prevent the lateral movement of the straw or stalks in the feed-box, under the action of the beaters or followers.

[The object of this invention is to obtain all the advantages of the spiral rotating knives or cutters hitherto used in a certain class of straw and stalk cutters, and at the same time avoid the disadvantages attending the same. This object is attained by using spiral beaters or followers attached to a rotating cylinder in connection with a stationary knife, the parts being so arranged relatively with each other that the same effect is obtained as with the spiral knives. The invention also consists in forming the bed adjoining the stationary knife in sections, each of which is allowed to yield or give to a certain extent, and having the spiral beaters or followers so formed with shoulders that the cutting device is rendered much more efficient than it otherwise would be.]

25,790.—Alfred Marsh (assignor to John Q. Dudley), of Detroit, Mich., for an Improved Method of Preventing Deposition of Carbon in Gas Retorts:

I claim the introduction into the retort, during the gas-making process, of chlorate of potash, or other substance which evolves oxygen, when heated for the purpose set forth.

25,791.—Charles O'Bryan (assignor to himself and Joseph S. Haldeman), of Salem, Ohio, for an Improved Tool for Cutting Round Tenons:

I claim the combination of the hollow, conical head, A, external nut, B, and plate, C, constructed and arranged as described, for adjusting and holding, when adjusted, the bits or cutters, or their guides, substantially as represented.

25,792.—Robt. Patterson, of Philadelphia, Pa., assignor to Horace Vaughn, of Providence R. I., for an Improved Solution for Thinning Lubricating Compound:

I claim a thinning solution applicable to the reduction of the lubricating compound, described in the patent of Vaughn & Hutton, dated Aug. 2, 1893, made of the substances and applied substantially in the manner specified.

25,793.—Thos. D. Richardson (assignor to W. Richardson), of New York City, for an Improvement in Pen and Pencil-holders:

I claim the arrangement and combination of the elongated tube, b, with the handle, A, and tubes, B C, as and for the purpose shown and described.

[This invention is especially designed for the counting-room, and is intended to form a convenient article therefor: the parts being so arranged as to admit, by a single adjustment, the using of either a pen or pencil with one and the same holder. The invention consists in having a metal tube attached to a wooden handle or holder, the tube being so constructed that it may be firmly attached to the holder and receive both the pen and pencil slides, and also allow, with almost any length, a proper movement for each, so that they may be forced into and forced out from the tube as may be required.]

25,794.—Nathan C. Travis (assignor to himself, Nathan Johnson and Richard Emerson), of Alton, Ill., for an Improved Regulator Valve for Steam-engines:

I claim, first, The arrangement and combination of the valve-box, A, and casing, C, as and for the purposes shown and described.

Second, The arrangement and combination of the screwsocket, k, stem, j, rod, l, arm, p, groove, q, and band-wheel, J, so that by turning the band-wheel, J, the stem, j, may be elevated and depressed irrespective of the rise and fall of the rod, l, and without rotating the latter, all as shown and described.

[This invention consists in a valve of cylindrical form applied to work in a direction parallel with its axis within a cylindrical box containing two seats, and having between the said seats a series of diamond-shaped openings to admit steam through the valve to a surrounding annular steam casing, said valve, by a proper screw connection with the governor, being made to serve both as a governor valve and a stop valve.]

RE-ISSUE.

Jeremiah Stever, of Bristol, Conn., for an Improvement in Machines for Burnishing Metals. Patented May 1, 1855:

I claim the burnishing of silver-plated and other metallic ware, such as spoons, knives and forks, or other similar articles which have a concave, convex or other bevel surface, by an organized machine, requiring no other attention than being kept in proper order, adjusted to suit the article about being burnished, set in motion, and having the articles properly introduced to it successively, substantially in the manner set forth.

ADDITIONAL IMPROVEMENT.

Douglas Bly, of Rochester, N. Y., for an Improvement in Attaching Thills to Vehicles. Patented April 12, 1859:

I claim combining with the hook, A, a collar, G, having a reverse hook or lip, K, corresponding with the point, A, to form an eye therewith, together with the screw shank and binding-nut, H, substantially as and for the purpose specified.

EXTENSION.

Lewis Edwards, of Norwich, Conn., for an Improvement in Ruling-machines. Patented Oct. 9, 1845:

I claim causing the pens to be raised by the edge of the paper in its passage through the machine, thus causing each sheet to determine the length of its own lines.

DESIGNS.

Roswell Kimberly, of Ansonia, Conn., for a Design for a Clock-case Front.

James H. McLean, of St. Louis, Mo., for a Design for a Trade Mark.

Literary Notices.

MEMOIRS OF ROBERT HOUDIN. G. G. Evans, publisher, Philadelphia.

We have received from the above-named publisher the translation of those memoirs which are attracting so much attention in France and England. Houdin is the prince of conjurers, and his autobiography, written with the sparkling vivacity of the French, is one of the most readable of books. This work can also be procured from Dick & Fitzgerald, Ann-street, this city.

NEW YORK CITY REGISTER. H. Wilson, publisher, 379 Broadway.

This register contains lists of the members of the city government, courts, police bureau, asylums, churches, banks, insurance companies, newspapers, telegraph offices, hospitals, educational institutions, foreign consuls, expresses, secret societies, omnibus lines, ferries, libraries, miscellaneous societies, clubs, railroads, &c. It is a useful work of reference.

M. R., of Ala.—Convey our acknowledgements to the friend who has favored us with the recipe for making blackberry wine, and also for the excellent samples which have been forwarded to prove the reliability of the directions given.

H. V., of Conn.—Roast the oxyd of manganese in a close vessel, and you will obtain the calcined article to correspond with the purpose for which you wish to use it.

E. M. R., of Pa.—A. Frazee, No. 95 Fulton-street, this city, manufactures small lathes, and can supply tools for amateurs.

OSCAR NESMITH.—Please inform us in what town and State you reside, so that we may proceed with your business, and write to you intelligibly.

E. F., of Wis.—You can procure a "Tinner's Guide" by addressing Blinn & Battle, Detroit, Mich.

S. L., of Mass.—If you will send us the model and description of your invention, we will proceed to prepare the application without delay. You may also remit the government fee (\$30) in draft on New York, payable to our order. Inventors oftentimes suffer from their own neglect to prosecute their applications.

E. C. C., of N. Y.—There is no ground for a patent on the point you wish to cover in the construction of a rice-hulling machine. We think a claim to the arrangement, however, could be obtained. We have sent you our pamphlet of advice.

A. G., of Ohio.—We consider your case a doubtful one, and would advise a preliminary examination to be made at the Patent Office before incurring the expense of an application for the patent. To enable us to conduct this examination properly, we will require a sketch and description of the improvement. A pen and ink sketch will be sufficient. The examination fee is \$5.

G. W. G., of Maine.—Black lead crucibles are the best you can use for making experiments with scrap-iron to obtain steel.

J. F. D., of Pa.—Nine square feet of heating boiler-surface, and one square foot of grate surface, are allowed for a horse-power in stationary boilers.

W. H. W., of Pa.—Your article on graphite paint is inadmissible in its present form. You should have been more specific regarding its composition and the particular cases wherein it has been so successfully applied. This would have been pointed and interesting information. The antiseptic properties of graphite are admitted; but more than this is required for a desirable paint.

A. H. S., of N. H.—The silicate of soda is the substance which you wish to use in graining; but, as you state, "the alkali is to be neutralized. It will not answer your purpose, for it has been an excess of soda.

D. P. B., of Ind.—Plaster-of-Paris is calcined gypsum. Common plaster, which farmers employ as a fertilizer, is ground unroasted gypsum.

S. S., of Ind.—A patent could not be obtained for making journal-boxes of wood saturated in oil, and the end or cross-grain applied to the journal. This is an old method; and, though it is not much used, it is very good for some purposes. Solid pieces of fat pork and tallow are frequently used in the journal-boxes of engines.

W. H. W., of Conn.—No prize has been offered by European governments for a perpetual motion. They have more sense than thus to expose their folly.

S. R. J., of Pa.—You have not described your improvement for constructing railroads with sufficient clearness for us to judge of its novelty or merits.

H. L. M., of Pa.—Charcoal plates for galvanic-batteries are made by combining hard charcoal dust (obtained from gas-retorts) with flour paste, then allowing them to dry. Nitric acid is generally employed for them, the same as in the Groves battery. We prefer platinum to charcoal plates.

J. H., of Ill.—The minerals which you have sent us are iron pyrites, of no value whatever.

G. M., of N. Y.—We thank you for calling our attention to the misprint of which you speak. The elements of the atmosphere, being mechanically mixed and not chemically combined, vary somewhat (though very little) in their proportions. The following is about the average in 100 parts:—Oxygen, by volume, 20.55; by weight, 22.76. Nitrogen, by volume, 78.16; by weight, 76.15. Vapor of water, by volume, 1.25; by weight, 1.63. Carbonic acid, by volume, 0.04; by weight, 0.06. Your views in regard to the light of burning carbon and hydrogen are perfectly correct. You will find the subject thoroughly discussed in another column, in the article entitled "Illuminating Gas."

J. McM., of Ohio.—To case-harden iron, the article to be treated is covered with ground prussiate of potash and flour paste, then set aside to dry. After this, it is heated red-hot in a clear fire, or what is better, molten lead, then dipped into cold water.

J. R. W., of Iowa.—An artesian well is one in which the water flows up from an under seam above the surface. Such wells are generally formed in basins, where the rocky strata dip downwards, and they are supplied from distant elevations or the water would not be forced up to the surface.

C. E. P., of N. Y.—Neatsfoot oil is the best lubricant known to us for keeping belts pliable without injury to the leather.

L. L. R., of N. H.—What was the result of the steam fire-engine trial, on the 15th of last month, at Manchester?

S. & M., of N. Y.—We do not know where you can find a person to drill agates.

E. R. H., of N. H.—You can subscribe for "Hall's Journal of Health" by enclosing \$1 in a letter, addressed to W. W. Hall, M. D., No. 42 Irving-place, this city.

J. W., of Vt.—You cannot make paraffine from your peat-bog to compete in cheapness with that which is made at coal-oil works. We therefore do not advise you to commence the business.

R. E. R., of Va.—The answer mentioned did not refer to your press. We sent you the 150 copies of our paper ordered.

Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, Oct. 15, 1859:—

J. D., of Pa., \$25; J. W. H., of Ind., \$30; E. A. W., of N. Y., \$35; D. W. C., of Ill., \$25; D. W., of N. Y., \$25; B. & C., of N. Y., \$40; E. B. C., of Fla., \$30; B. F. D., of Pa., \$25; E. A. W., of N. Y., \$25; N. D., of N. J., \$25; J. B. T., of Pa., \$25; G. V. B., of Pa., \$25; R. T., of Ohio, \$15; J. T. T., of Texas, \$20; G. W. D., of Ill., \$10; G. A. M., of N. Y., \$25; T. M., of Minn., \$25; A. A. D., of S. C., \$25; A. B., of Vt., \$50; J. B., of N. Y., \$30; J. J. M., of Fla., \$30; G. D., of Ill., \$30; W. J., of R. I., \$30; K. F. W., of N. H., \$30; W. F., of N. Y., \$30; D. D. F. D., of Mass., \$30; G. W. R., of Ill., \$30; A. B. F., of Ohio, \$3; J. G., of La., \$30; C. W. R., of Ga., \$25; J. M. G. Co., of Conn., \$100; J. E. H., of N. Y., 25; N. B., of Ill., \$25; W. B. S., of Pa., \$30; S. A. S., of Mo., \$25; C. C., of Iowa, \$30; E. T. V., of N. H., \$30; Mrs. E. B., of N. Y., \$10; J. R. S., of Conn., \$55; A. A., of N. Y., \$55; H. M. C., of Maine, \$30; H. S., of N. Y., \$30; J. A. H., of R. I., \$30; J. C. B., of Miss., \$30; S. L. S., of Ill., \$35; H. W. C., of Conn., \$30; C. P. B., of Ohio, \$30; J. H. L., of N. Y., \$40.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Oct. 15, 1859:—

B. & C. of N. Y.; D. W. of N. Y.; J. S. of N. Y.; D. W. C. of Ill.; J. C. R. of N. Y.; J. E. L. of Conn.; B. F. D. of Pa.; N. D. of N. J.; G. W. B., of Pa.; R. T. of Iowa; J. A. B. of Ky.; E. R. P., of N. Y.; J. A. S., of Mo.; E. T. V., of N. H.; J. L. W. of Ohio; W. B. R., of La.; A. B., of Vt.; J. J. M. of Fla.; C. W. R. of Ga.; J. W. C., of N. Y.; B. & C. of N. Y.; Mrs. E. B. of N. Y.; W. D., Jr., of Pa.; R. F. W. of N. H.; J. E. H. of N. Y.; R. H. of N. Y.; H. C. F., of Pa.; J. T. T. of Texas.

IMPORTANT TO INVENTORS.

AMERICAN AND FOREIGN PATENT SOLICITORS.—Messrs. MUNN & CO., Proprietors of the SCIENTIFIC AMERICAN, continue to procure Patents for Inventors in the United States and all foreign countries on the most liberal terms. Our experience is of thirteen years' standing, and our facilities are unequalled by any other Agency in the world. The long experience we have had in preparing Specifications and Drawings has rendered us perfectly conversant with the mode of doing business at the United States Patent Office, and with most of the inventions which have been patented. Information concerning the patentability of inventions is freely given, without charge, on sending a model or drawing and description to this office.

Consultation may be had with the firm, between NINE and FOUR o'clock, daily, at their PRINCIPAL OFFICE, No. 37 PARK ROW, NEW YORK. We have also established a BRANCH OFFICE in the CITY OF WASHINGTON, on the CORNER OF F AND SEVENTH STREETS, opposite the United States Patent Office. This office is under the general superintendence of one of the firm, and is in daily communication with the Principal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. Inventors and others who may visit Washington, having business at the Patent Office, are cordially invited to call at our office.

We are very extensively engaged in the preparation and securing of Patents in the various European countries. For the transaction of this business we have Offices at Nos. 66 Chancery Lane, London; 29 Boulevard St. Martin, Paris; and 26 Rue des Eperonniers, Brussels. We think we may safely say that three-fourths of all the European Patents secured to American citizens are procured through our Agency.

Inventors will do well to bear in mind that the English law does not limit the issue of Patents to Inventors. Any one can take out a Patent there.

A pamphlet of information concerning the proper course to be pursued in obtaining Patents through our Agency, the requirements of the Patent Office, &c., may be had gratis upon application at the Principal Office or either of the Branches. We also furnish a Circular of information about Foreign Patents.

The annexed letters from the last two Commissioners of Patents we commend to the perusal of all persons interested in obtaining Patents:—

Messrs. MUNN & Co. —I take pleasure in stating that while I held the office of Commissioner of Patents, MORE THAN ONE-FOURTH OF ALL THE BUSINESS OF THE OFFICE came through your hands. I have no doubt that the public confidence thus indicated has been fully deserved, as I have always observed, in all your intercourse with the Office, a marked degree of promptness, skill, and fidelity to the interests of your employers. Yours, very truly,

THAS. MASON.

Immediately after the appointment of Mr. Holt to the office of Postmaster-General of the United States, he addressed to us the subjoined very gratifying testimonial:—

Messrs. MUNN & Co.:—It affords me much pleasure to bear testimony to the able and efficient manner in which you discharged your duties as Solicitors of Patents while I had the honor of holding the office of Commissioner. Your business was very large, and you sustained (and I doubt not, justly deserved) the reputation of energy, marked ability, and uncompromising fidelity in performing your professional engagements. Very respectfully,

Your obedient servant, J. HOLT.

Communications and remittances should be addressed to MUNN & COMPANY, No. 37 Park-row, New York.

A STEAM ENGINEER—ONE WHO HAS HAD seven years experience in running engines, and who is a practical mechanic, is now out of employment, caused by the stoppage of the manufactory where he was long employed, and wishes to procure a situation. The best of references given. Address JOHN ERSMAN, box 2,996 New York Post-office. 17 2

PROFESSOR MAHAN'S WORKS.—MAHAN'S Elementary Course of Civil Engineering, 1 vol. 8vo., with numerous woodcuts, \$3; Industrial Drawing, with steel plates, 1 vol. 8vo., \$2; Treatise on Field Fortifications, numerous steel plates, 1 vol. 8mo., \$; Treatise on Advanced Guard, Out-post, &c., &c., 1 vol. 8mo., 75c.; Moseley's Mechanical Principles of Engineering and Architecture, numerous cuts, 1 vol. 8vo., \$3.50. Published and sold by JOHN WILEY, No. 56 Walker-street, New York. * * Copies mailed and prepaid on receipt of price. 1*

IMPORTANT ENGINEERING AND MECHANICAL works for sale by D. Appleton & Co., Nos. 346 and 345 Broadway.—The Artizan: a monthly journal of the operative arts, 16 vols. 4to., half-calf extra, \$30. The same, for 1858, cloth, \$1.50. The Builder: 16 vols. folio, half-calf (scarce), \$80. The same, for 1858, cloth, \$7. Civil Engineer and Architect's Journal: 20 vols. 4to., half-calf extra (scarce), \$125. The same, for 1858, cloth, \$7.50. The Engineer, for 1856, 1857 and 1858: 6 vols. folio, \$36. Journal of the Society of Arts: 6 vols. 8vo., half-calf extra, \$25. London Mechanics Magazine: 56 vols. 8vo., half-calf (scarce), \$84. Professional Papers of the Corps of Royal Engineers: 10 vols. 4to., cloth (scarce), \$90. Abridgments of the Patents for Inventions, from 1617 to 1857: 14 vols. in paper, \$18. Smith's Treatise on Levelling: 1 vol. 8vo., \$2.75. Practical Treatise on Tunneling, \$5. Bourne on the Steam-engine, \$7.50. Practical Mechanics Journal, for 1858, \$4.50.

PHILADELPHIA MACHINERY DEPOT.—Woodworth planing machines; mostising, tenoning and sash molding machines; also a large stock of lathes, iron planers, drills, chucks, &c., at reduced prices. Address CHAS. H. SMITH, No. 135 North Third-street, Philadelphia. 17 6*

LEHIGH MOUNTAIN SPRINGS WATER-CURE, Bethlehem, Pa. In successful operation since 1846. Exceedingly well adapted for Fall and winter cure. Dr. F. H. OPPELT. 1*

DEAFNESS CURED, HOWEVER CAUSED, BY a new method. Address Dr. BOARDMAN, personally or by letter, at No. 974 Broadway, New York. 17 4*

INGERSOLL'S IMPROVED PORTABLE HAY and Cotton Presses the best and cheapest in the country. Farmers and planters will do well to examine ours before purchasing elsewhere. Prices for hay presses, \$50 to \$75; cotton presses, \$65 to \$90; delivered in New York free of charge. Liberal arrangements made with dealers. For circulars and further information, address the Farmers' Manufacturing Company, Greenpoint, Kings county, N. Y. N.B. Also on hand and made to order presses for Hides, Hair, Hemp, Husks, Broom Corn, Rags, &c. 17 6*ew

SCHOTT'S KNITTING-MACHINE, FOR THE manufacture of regular-fashioned hosiery, is now on exhibition at the Fair of the American Institute, New York City. 16 4*

MORRIS' PATENTED COMPRESSING OR End-pressure Wood-bending Machines, Circular Saw-mills, and Wood-working Machinery in general. LANE & BODLEY, Manufacturers, Cincinnati, Ohio. 16 5*

STEPHENS' DYES OR STAINS FOR WOOD.—For dyeing and bringing out the grain of inferior woods in imitation of black walnut, mahogany, satinwood, rosewood or oak. Specifics and processes sent to all parts of the States, on receipt of 10 cents in stamps. HENRY STEPHENS, Chemist, 19 4* 79 William-street, New York.

APPEALS BEFORE THE JUDGES OF THE U. S. District Court, from the final decisions of the Patent Office, in Rejected Cases, Interferences, &c., are prosecuted by the undersigned on moderate terms. MUNN & CO., Solicitors of Patents, No. 37 Park-row (Scientific American Office), New York.

KNITTING MACHINES, CIRCULAR AND straight, and machine-knitting needles, of all sizes and gauges, on hand and made to order. Address WALTER IKEN, Franklin, N. H. 7 22*

W. M. WHITTEMORE (SUCCESSOR TO John Whittemore & Co.) 91 Maiden-lane, New York, Commission Merchant and dealer in Cotton and Woolen Machinery and manufacturers' supplies. 11 13*

FULTON & VANKIRK'S PATENT PARAGON COAL-OIL BURNER.—The inventors of this Burner would call the attention of the trade to its superiority over any other now in use. It is admitted by all who have examined it to be the best as to strength, less liability to get out of order and less of incrustation, giving a more perfect light than any other burner ever offered to the public. This burner is manufactured in three different sizes, Nos. 1, 2 and 3; the largest No. 3 being as much light as a 10 foot burner, at one-third less expense. Lamps, with the above burner, suitable for hand, hall, hanging bracket and side lamps; also, for railroad stations, steamboats and public buildings; also, for all superior quality, may be had at the lowest market prices, at TUCKER & PADDON'S, 43 John-street. Agents of the American Coal-Oil Company. 14 4*

SALEM WIND TURBINES, FROM ONE TO one hundred horse-power, under perfect regulation. For illustrations address Treasurer of Turbine Manufacturing Co., Salem, Mass. 13 12*

PARAGON COAL OIL BURNERS.—TO MANUFACTURERS OF AND DEALERS IN COAL OILS, AND COAL OIL LAMPS.—The above burners are admitted to be the best in use as to strength, less liability to get out of order, and ease of management; giving a larger blaze than any other burner. Lamps with the above burners, suitable for hand, hall, hanging bracket and side lamps; also, for Railroad Stations, Steamboats and Public Buildings. The best Burning and Lubricating Oils, as well as Lamps, in quantities to suit purchasers, at the lowest market prices. H. COULTER, No. 56 South Second-street, Philadelphia, Pa. 15 4*

THE FOLLOWING VILLAGE GAS-WORKS ARE now erecting under the Aubin system, viz.:—For the city of San Antonio, Texas; for the villages of Bath, N. Y.; Plattsburgh, N. Y.; Gloversville, N. Y. (changed from rosin works); Rutland, Vt.; Dover, Del.; Jersey Shore, Pa.; Flemington, N. J.; Greensboro, N. C.; and Point Levi, Canada. For reference to the Aubin village works erected last year and this spring, where both consumers and stockholders are satisfied, apply to the Aubin Company, No. 44 State-street, Albany, N. Y. 15 12

HARRISON'S GRIST MILLS—20, 30, 36 AND 48 inches diameter, at \$100, \$200, \$300 and \$400 with all the modern improvements. Also, Portable and Stationary Steam-engines of all sizes, suitable for said Mills. Also, Bolters, Elevators, Belting, &c. Apply to S. C. HILLS, No. 12 Platt-street, New York. 1 23 w

INSTRUMENTS.—CATALOGUE (SIXTH EDITION), containing over 250 Illustrations of Mathematical, Optical, and Philosophical Instruments; List of Specimens of Minerals, with attachment of a large sheet representing the Swiss Instruments in their actual size and shape, will be delivered, on application, to all parts of the United States, by sending 12 cents in postage stamps. C. T. AMSLER, 635 Chestnut-street, Philadelphia. Catalogues, without the large sheet of Swiss instruments, furnished gratis, on application. 10 600w*

CLOCKS FOR CHURCHES, COURT-HOUSES, &c.; Timepieces for Jewelers, Railroad Offices, &c. Also, Glass Dials for Illuminating, and other kinds. Address JOHN SHERRY, Manufacturer, Oakland Works, Sag Harbor, N. Y. 9 13* 60w

EIGHT-HORSE PORTABLE STEAM-ENGINE, cylinder 7 1/2 by 15, governor, balance-wheel, &c., a tached to fire boiler, all new. Price \$925. S. C. HILLS, No. 12 Platt-street, New York.

JOHN W. QUINCY & CO., IMPORTERS AND Dealers in Metals, Cut Nails, &c., No. 98 William-street, New York. 15 1600w*

AMERICAN INSTITUTE LIBRARY.—COOPER A Union Building, corner of Eighth-street and Fourth-avenue. The American Institute Library, devoted to Agriculture, Commerce, Manufactures and the Arts, and containing nearly 10,000 volumes, is open daily from 8 A. M. to 6 P. M., and until 9 P. M. after November 1st. Members have the privilege of taking out books. Initiation fee, \$5; annual dues, \$2; which entitles a member to a family ticket during the Fair, and all the other privileges of membership of the Institute. Among the recent additions to the library will be found the following new and valuable works, viz.:—Encyclopaedia Britannica, 18 vols., eighth edition; American Cyclopaedia, 7 vols.; Chevreul on Color, London edition; Liebig's Modern Agriculture, London edition; De La Rive's Electricity, London edition; Useful Metals and their Alloys, London edition; Mitchell's Practical Assaying, London edition; Hogg on the Microscope, London edition; Lesley's Iron Manufacturer's Guide; Feuchtwanger's Treatise on Gems; Downing's Landscape Gardening, new edition; Graham's Chemistry; Stevenson on Light-house Illumination; Langton on the Hive and Honey Bee; Mulder's Chemistry of Wine, London edition; Greenough's Gunery in 1858; American Stair Builder; Price's Manual of Photographic Manipulations; French's Farm Drainage; Easton on Horse-power or Street Railways; Transactions of the Batavian Society of Arts and Sciences, Java, 1857. WILLIAM HIBBARD, Chairman Library Committee. E. A. HARRIS, Librarian.

THE WORLD-RENOWNED ENGINEER.—THE Life of George Stephenson, Railway Engineer. By Samuel Smiles. Second American from the fourth London edition. 1 vol., 16mo., price \$1. The biography of this self-made man is one of the most remarkable in the world. There can hardly be found in the range of English literature the record of a life which, from so humble a beginning, rose through such terrible obstacles to such stupendous results.—Springfield Republican. Deep and permanent is the interest excited by this wondrous story of genius. No one can read unmoved the early struggles of this remarkable character, as they are narrated in this work. To young men entering it, it gives lessons which should supply fresh vigor.—London Leader. It is not too much to say that Mr. Smiles has performed his office with eminent success, and a considerable void has been filled up in the page of modern history. We see the vast achievements and the epic story of this age of ours more than half comprised in the feats of its strongest and most successful worker.—London Times. Copies of the above work sent post-free to any address in the United States on receipt of \$1. TICKNOR & FIELDS, publishers, Boston. 1*

A MANUAL OF TOPOGRAPHICAL DRAWING. By Lieut. R. S. Smith, United States Army, Professor of Drawing in the United States Military Academy, West Point. 1 vol. 8vo., plates, cloth. \$1.50. The design of this manual is to be a practical assistant and office companion, to be consulted on all matters connected with topographical drawing.—Preface. We regard the work as a choice addition to the library of science and art, and one that has long been needed by the professor.—Railroad Journal. We think this an admirable treatise on topographical Drawing.—Commercial Advertiser. JOHN WILEY, publisher and importer of scientific works, No. 56 Walker-street, New York. *Copies mailed and prepared on receipt of price.

HOARD & WIGGIN'S STEAM TRAP VALVE, for relieving steam pipes of condensed water and keeping back the steam. By its use the boiler pressure is kept up, the full heat maintained, and a large saving in fuel made. It cannot freeze up and become inoperative, is self-adjusting, and being once attached requires no attention whatever. The device is small, being only six inches long by four in diameter, and yet of capacity sufficient for the largest circulation. For simplicity of construction and perfectness of operation this machine is without a rival. Having over one thousand of them in operation under all varieties of pressure and condensation, enables us to offer them not as an untried experiment, but with entire confidence that they will accomplish all that we claim for them. For an illustrated circular, or the machines, address HOARD & WIGGIN, Providence, R. I. 1*

JONES & LENNIG, NOS. 313 AND 315 NEW Market-street, above Vine, Philadelphia, Pa., Manufacturers of Wet and Dry Patent Gas Meters; Station, Experimental, Show and Customer Meters; Meter Provas, Burner Provas, Mercury Cups, Governors, Center Seals, &c.; Pressure Registers, Indicators and Gages, &c., &c. Messrs. Jones & Lennig beg leave to call the attention of Gas Companies, Gas Engineers, Gas-work Builders, and of consumers generally in the United States, Canada, South America, Cuba and California, to the superior instruments they are now offering. Meters tested by a sworn inspector. Orders promptly attended to. 13 4*

OIL! OIL! OIL!—FOR RAILROADS, STEAMERS, and for Machinery and Burning. Pease's Improved Machinery and Burning Oil will save fifty per cent., and will not gum. This Oil possesses qualities vitally essential for lubricating and burning, and found in no other oil. It is offered to the public upon the most reliable, thorough and practical test. Our most skillful engineers and machinists pronounce it superior to and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The SCIENTIFIC AMERICAN, after several tests, pronounces it "superior to any other they have ever used for machinery." For sale only by the Inventor and Manufacturer, F. S. PEASE, No. 61 Main-street, Buffalo, N. Y. N. B.—Reliable orders filled for any part of the United States and Europe. 1 13

MALLISTER'S ILLUSTRATED CATALOGUE. We have just issued the eleventh edition of our priced and illustrated catalogue of Optical, Mathematical and Philosophical Instruments. Contents:—Mathematical Instruments, Astronomical Telescopes, Galvanic Batteries, Magic Lanterns, Surveying Compasses, Surveying Chains, Rain Gage, Magnifying Glasses, Tape Measures, Watchmakers' Glasses, Platina Points, Air-pumps, Landscape Mirrors, Electro-magnetic Machines, Pocket Compasses, Spy Glasses, Microscopes, Microscopic Objects, Stereoscopes, Polymeters, Barometers, Camera Obscura, Kaleidoscopes, Prisms, Sun Dials, Thermometers, Hydrometers, Globes, Goggles, Spectacles, Eye Glasses, &c. This catalogue (116 pages, 200 illustrations) is furnished gratis, on application, and mailed free of charge to all parts of the United States. MALLISTER & BROTHER (established in 1796), No. 728 Chestnut-street, Philadelphia.

5,000 AGENTS WANTED—TO SELL FOUR new inventions. Agents have made over \$25,000 on one—better than all other similar agencies. Send for stamps and get 80 pages particulars, gratis. EPHRAIM BROWN, Lowell, Mass. 17 13*

KEEP YOUR CIDER SWEET.—AN ORIGINAL invention, and a new article of merchandise which is kept for sale by all hardware dealers, druggists, agriculturalists, grocers, &c. Patented September 27, 1859. Designed for the use of hotels, grocers, liquor and champagne dealers, lager-beer vendors, families, &c. It will keep sweet cider and all kinds of malt liquors, &c., on hand. Send for a circular; enclose a stamp. Address J. J. NORMAN & CO., No. 379 Broadway, up stairs, New York. Agents wanted. 1*

A MESSIEURS LES INVENTEURS—AVIS IMPORTANT.—Les inventeurs non familiers avec la langue Anglaise, et qui prefereraient nous communiquer leurs inventions en Francais, peuvent nous adresser dans leur langue natale. Envoyez nous un dessin et une description concise pour notre examen. Toutes communications seront recues en confiance. MUNN & CO., Scientific American Office, No. 37 Park-row, New York.

PATENT EXTENSIONS.—ALL PATENTS FOR Inventions, granted by the United States during the year 1845, will expire by their own limitations during the current year (1859) UNLESS EXTENDED ACCORDING TO LAW. The statute provides for the extension of Patents for an additional term of SEVEN YEARS, the grant being made to the inventor himself, or if deceased, to his heirs and administrators. The EXTENDED TERM inures solely to the benefit of the inventor or his heirs. Assignees or owners of rights under the first term of the Patent have no rights whatever in the extended term. The inventor or his heirs may, however, sell their interests in the Extension prior to the grant thereof, in which case the Extended Patent, when granted, becomes the exclusive property of such purchaser. Applications for Extensions must be made at the Patent Office at least 66 days prior to the extension of the Patent. The undersigned, having had great experience in Patent business, will promptly prepare the various documents and prosecute Extension cases on moderate terms. For further information address MUNN & CO., Solicitors of Patents, No. 37 Park-row (Scientific American Office), New York.

THE COMPLETE PRACTICAL DISTILLER. By M. L. BYRN, M. D., with illustrations, 12mo. A new edition of this work just ready, and will be sent by mail free of postage; price \$1. HENRY CAREY BAIRD, publisher, Philadelphia. 17 3

PHOTOGRAPHIC OUTFITS.—INVALUABLE to Manufacturers, Engineers and Architects for copying machinery, models, drawings, &c.; also for taking portraits, views and stereographs. Process very easy. Complete apparatus and instruction from \$30. Enclose a stamp for catalogue. C. J. FOX, Photographic Warehouse, No. 681 Broadway, New York. 17 3*

YATES' IMPROVED PATENT RAILWAY SHINGLES MACHINE Best ever patented. State and County rights can be had of W. H. G. YATES, patentee, Chittenden, N. Y. Manufactured by Seymour & Adams, Rome, N. Y. 15 13*

WOODWORTH'S PATENT PLANING MACHINES, of every description and kind, at reduced prices, very low for cash, at the old stand, No. 57 Pearl-street, Brooklyn, N. Y. Send for a circular or styles and prices. Address J. H. LESTER, Brooklyn, N. Y. I am also manufacturing and selling as good Shuttle Sewing Machines, under legal rights, as was ever offered to the public, and for less money. For samples of sewing, and circular of prices, address J. H. LESTER, No. 483 Broadway, New York. 15 10*

HOSIERY KNITTING-MACHINE FOR FAMILY and Plantation use; the most simple and complete Socking-machine ever offered to the public. No family or plantation should be without one. Patent secured both in this and foreign countries, by the inventor and manufacturer, J. B. AIKEN, 24 Merchants' Exchange, Manchester, N. H. For an illustration and price of the machine, send for a pamphlet. 12 3mo

PECK'S PATENT DROP PRESS.—THE MOST perfect machine in use for the manufacture of silver, copper or tinware, spoons, jewelry, &c. Manufactured by the patentee. 4 25* MILO PECK & CO., New Haven, Conn.

IRON PLANERS, ENGINE LATHES, AND OTHER Machinists Tools, of superior quality, on hand and finishing, and for sale low; also Harrison's Grain Mills. For descriptive circular, address New Haven Manufacturing Co., New Haven, Conn. 14 13

NEW YORK MACHINERY DEPOT.—MILBANK & ANNAN (successors to A. L. Ackerman), manufacturers and dealers in Woodworth Planers, Wick's Patent Re-sawing Machines; Sash, Door and Blind Machinery, Steam-engines and Boilers, Machinists' Tools, Files, Leather and Rubber-belting, and findings of every description, No. 222 Pearl-street, New York. 9 24*

CHARLES W. COPELAND, CONSULTING AND Superintending Engineer, No. 122 Broadway, New York. Plans and Specifications prepared for all kinds of Steam-engines and Machinery. Steam Vessels and Steam-engines, both new and second-hand, for sale. Also, Wire-rope, Steam and Water-gages, Indicators, Steam Fire-engines, Pumps, &c., &c. 10 13*

MACHINE BELTING, STEAM PACKING, ENGINE HOSE.—The superiority of these articles, manufactured of vulcanized rubber, is established. Every belt will be warranted superior to leather, at one-third less price. The Steam Packing is made in every variety, and warranted to stand 300 days of heat. The Hose never needs oiling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouse, NEW YORK BELTING AND PACKING COMPANY. JOHN H. CHEEVER, Treasurer, Nos. 37 and 38 Park-row, New York. 13 14

WOODWORTH PLANERS—IRON FRAMES TO plane 18 to 24 inches wide, at \$90 to \$110. For sale by S. C. HILLS, No. 12 Platt-street, New York. 1 1*

CARY'S CELEBRATED DIRECT-ACTING SELF-Adjusting Rotary Force Pump, unequalled in the world for the purpose of raising and forcing water, or any other fluid. Manufactured and sold by CARY & BRAINARD, Brockport, N. Y. Also for sale by J. C. CARY, No. 240 Broadway, New York. 8 13

BOILER FLUES FROM 1 1/4 INCH TO 7 INCHES outside diameter, cut to any length desired, promptly furnished by JAMES O. MORSE & CO., No. 76 John-street, New York. 7 1*

GUILD & GARRISON'S STEAM PUMPS FOR all kinds of independent Steam Pumping, for sale at 55 and 57 First-street, Williamsburgh, L. I., and 74 Beekman-street, New York. 1 13 GUILD & GARRISON & CO.

LUCIUS W. POND, MANUFACTURER OF Superior Planing-machines for Iron, Engine Lathes and Machinists' Tools generally. Address L. W. POND, Worcester, Mass. 2 16*

WROUGHT IRON PIPE, FROM ONE-EIGHTH of an inch to six inches bore; Galvanized Iron Pipe, (a substitute for lead), Steam Whistles, Stop Valves and Cocks, and a great variety of Fittings and Fixtures for Steam, Gas, and Water, sold at wholesale and retail. Store and Manufactory, No. 76 John-street, and Nos. 23, 31 and 33 Platt-street, New York. 7 1*

Zur Beachtung für Erfinder. Erfinder, welche nicht mit der englischen Sprache bekannt sind, können ihre Mittheilungen in der deutschen Sprache machen. Skizzen von Erfindungen mit kurzen, deutlich geschriebenen Beschreibungen beliebe man zu adressiren an Munn & Co., 37 Park Row, New-York. Auf der Office wird deutsch gesprochen.