

26,062.—Harvey Trumbull, of Central College, Ohio, for an Improvement in Straw-cutters:

I claim the combination of a self-adjusting spring-pressure clasp, L, to, or with an automatic rake, for the purpose of feeding the material to the knife, substantially as specified.

26,063.—Nathaniel Waterbury, of Fond du Lac, Wis., for an Improvement in Gates:

I claim the arrangement and combination of the pendulous-rod, J, and weight, K, with the axis of the pulley, H, as and for the purpose shown and described.

26,064.—James Whitehill, of Frederick, Md., for an Improvement in Hot-air Furnaces:

I claim, first, A furnace constructed with two separate fire-chambers and grates, with an air passage between the chambers closed at their sides, but open at the bottom and top, substantially as and for the purposes set forth.

Second, The combination of the peculiar labyrinthian air-passage described, and the peculiar furnace described, in the manner and for the purpose set forth.

Third, The combination with the peculiar furnace and peculiar labyrinthian air-passage described, of the curved cold-air pipe, M, substantially in the manner and for the purpose set forth.

[This furnace has two separate chambers, and thus secures the advantage of having a fire in one chamber, with a deep bed of coal in moderately cold weather, and fire in both chambers in very cold weather. The cold-air is drawn from the floor of the building into the furnace, and heated before it re-enters the same. The draft is supplied at all sides of the furnace; and thus the burning of the fuel in a perfect manner, whatever be the direction of the wind-current, is effected. This appears to be a very good arrangement.]

26,065.—Ferdinand Wuterich and Jacob Kerber, of New York City, for an Improvement in Cotton-gins:

We claim the arrangement of the finger-shafts, C and D, operating and constructed in the manner described, and acting together so that, while the fingers of the shaft, C, during its revolution, pull the cotton out of the hopper, the fingers of the shaft, D, take the cotton from the former, and deposit the same upon the guiding-rollers, substantially as specified.

26,066.—William C. Allison, of Philadelphia, Pa. (assignor to himself and John Murphy, of same place), for an Improvement in the Mode of Confining the Seat of the Driver on City Railroad Cars:

I claim the combination of the board, D, rod, E, with its collar, f, and the catch, h, when the said rod serves the double purpose of supporting the seat, and, in conjunction with the catch, h, of maintaining the seat folded up out of the way, and when the several parts are arranged in the front of the car as and for the purpose set forth.

26,067.—Henry C. Brown, of Buffalo, N. Y. (assignor to Charles O. Brown, of Dalton, Mass.), for an Improved Handle for Smoothing-irons:

I claim a ventilated smoothing-iron handle, constructed for the purposes substantially as described.

26,068.—William E. Cooper, of Danbury, N. Y., assignor to Charles D. Gibson, of New York City, for an Improvement in Railroad Car Springs:

I claim the combination and arrangement of groups of four springs by and with the suspension bracket or stirrup, B B, etc., constructed, arranged and operating in the manner above described.

26,069.—John Danner, (assignor to himself and J. M. Jay) of Canton, Ohio, for an Improvement in Sleeping-cars:

I claim the combination of the hinged back, d', with the hinged and reversible frame, D, and removable piece, E, constructed and arranged to operate in relation to seat, c', and false back, d, of the back, B', substantially as and for the purposes set forth.

26,070.—Pearson B. Kitchen (assignor to William H. Marshall) of Philadelphia, Pa., for an Improvement in Apparatus for Heating Hydro-carbon Liquids:

I claim the application to gas generators of a hot-air chamber as previously described, and the submerging of one or more air pipes therefrom, into and upon the chemicals, for the purposes set forth and described, or any other substantially the same and which will produce the intended effect.

26,071.—A. H. Knapp (assignor to himself, E. H. Barstow, and A. R. Trowbridge), of Newton Center, Mass., for an Improvement in Lamps:

I claim the wick portion, I, arranged and operating substantially as and for the purpose described.

26,072.—Ambrose Lewis, assignor to himself and Chas. E. Hodges) of Boston, Mass., for an Improvement in Composition for Detergent Purposes:

I claim the above-described cleansing, bleaching, and disinfecting liquid, consisting of an alkaline silicate combined with chlorine, for the purpose specified.

26,073.—James A. Whipple, of Boston, Mass., assignor to himself and George A. Stone, of Roxbury, Mass., for an Improvement in Method of Driving Piles:

I claim the method or process of driving piles by exploding charges of gunpowder or its equivalent between the pile and a fulcrum or resistance, so that the force of the explosion shall wholly or partially act to drive the pile in the direction of its length, or nearly so.

26,074.—Joseph Barrans, of Caledonia Terrace, Queen's Road, Peckham, County of Surrey, England, for an Improvement in Portable Locomotives:

I claim, first, The method herein described of supporting the front portions of traction or portable steam-engines, by means of a spring or elastic beam or lever, at or near the middle thereof; the said beam or lever being arranged constantly to occupy a position in a vertical plane passing through the axis of the boiler, by having its rear end front and applied and jointed respectively to the bottom of the barrel of the boiler and to the fore-carriage, substantially as and for the purpose set forth.

Second, The application and use, in traction engines, of tensional rods or bars for retaining the driving-wheel centers at the proper distance asunder from the axis of the ground driving-wheels.

Third, The application and use, in traction and portable steam-engines, of ground driving-wheels, in two or more sections capable of being put in and out of working action for the purpose described, and such wheels having teeth holding projections upon their peripheries of the form and arrangement described.

#### RE-ISSUES.

De Witt C. Cummings, of Fulton, N. Y., for an Improvement in Straw-cutters. Patented Aug. 7, 1855:

I claim first, Operating the adjustable lower feed-roller by means of a spur-wheel hung in a vibrating frame or yoke, the axis of which is connected with the said roller by means of an universal coupling, when said roller is supported on spring bearings independent of each other, substantially as and for the purpose specified.

Second, The employment of a cylinder provided with a knife or

knives which have an upward cylindrical cut, when the same is arranged with two independent feed-rollers, the lower one of which being supported on a spring or springs in such a manner that it can be adjusted to act with greater or less pressure on the material to be cut, substantially as set forth.

William M. Henderson, of Baltimore, Md., for an Improvement in Pumps. Patented Oct. 4, 1859:

The two ball valve cages with the suction valves in their interior, attached to the extremities of a central perforated tube or its equivalent, in combination with the water-ways and discharge valve or valves; the water entering between the plunger valves and alternately discharged from the ends of the pump barrel in direction of the stroke; the whole being operated and constructed substantially in the manner and for the purposes set forth.

John H. Lyon, of New York City, for an Improved Lock and Detector. Patented Sept. 13, 1859:

I claim combining with a padlock or any lock provided with a shackle, a lead or soft metal tube or seal, so arranged as to be temporarily secured thereto and admitting of being released only by the removal or breaking of said tube or seal, which thereby serves as a detector, substantially as set forth.

[An engraving of this lock will appear soon in this journal.]

#### ADDITIONAL IMPROVEMENT.

Mortimer Nelson, of New York City, for an Improved Gold-washer. Patented Oct. 4, 1859:

I claim, first, Imparting to the shaft, f, and the series of pans thereon, an intermittent or oscillating movement for the purposes and as specified; and in combination with the shaft, f, and pans having the intermittent or oscillating movement set forth. I claim the cam, h, and ball, i, to give the vertical or jiggling movement as specified.

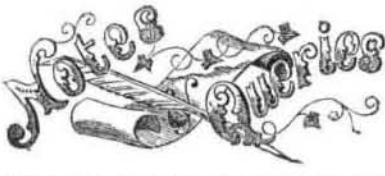
Second, The conical hoods or funnels, o o', in combination with the pans, n n, for the purposes and as specified.

#### EXTENSION.

Thaddeus Hyatt, of New York City, for an Improvement in Vault Covers. Patented Nov. 12, 1845. Re-issued April 3, 1855:

I claim making them of a metallic grating or perforated metallic plate, with the apertures so small that persons or bodies passing over or falling on the m may be entirely sustained by the metal, substantially as described, but this I only claim when the apertures are protected by glass, substantially as and for the purpose specified.

And I also claim, in combination with the grating or perforated cover and glass fitted thereto, the knobs or protuberances on the upper surface of the grating or perforated plate, for preventing the abrasion or scratching of the glass, substantially as specified.



F. B. C., of La.—Your fear that, if you should employ us to get up an engraving and publish a description of your invention in the SCIENTIFIC AMERICAN, the printing of so large an edition that it would wear out the engraving, is unfounded.

The engravings which are prepared for this paper are not printed from, at all; the impression being taken from electrotype plates, so that the engravings are furnished to the parties ordering them, just as perfect as they came from the hands of the engraver. If we printed from the type and wood-cuts as we formerly did, when our circulation was much smaller, and as every other paper of like character now does, your apprehension would be well founded; but as it is, your engraving will not be injured by use in the least, and you can judge of the benefit you will derive from having your invention brought before the public through the medium of a paper of the standing and circulation of the SCIENTIFIC AMERICAN. It is only such good inventions as yours that we solicit the privilege of illustrating in our columns, while those of indifferent merit we cannot publish. The engravings in the SCIENTIFIC AMERICAN are executed expressly for it; none are ever inserted by us after their appearance in any other American publication. So the reader, when he receives his paper weekly, may depend upon seeing illustrations of something which he has never seen before. We have a two-fold object in answering your inquiries through our correspondence column. The first is to give you the information you solicit, and the second is to answer the thousand-and-one applications we receive, requesting us to insert second-hand engravings of second or third-rate inventions in our columns. We publish a paper for intelligent readers, and we will not impose upon them or mar our pages with poor illustrations.

SPOKE MACHINES.—N. Chapman, of Lansing, Mich., wishes to correspond with some manufacturers of lathes for turning spokes.

W. G., of Ohio.—We cannot encourage you to spend money on an application for a patent on your invention.

D. D. P., of N. C.—We think it advisable not to publish your theory. It may be correct, but it might lead to a controversy suited only to a medical journal.

F. B. G., of N. Y.—We do not wish to dispose of those little engravings you refer to, but will supply you with electrotypes for 50 cents each. Your idea of a motive power is absurd. You cannot make a water-wheel pump up water to drive itself any more than you can lift yourself over a fence by pulling-up the seat of your pantaloons.

D. R., of N. Y.—Sulphite of lime is prepared by saturating carbonate of lime with sulphurous acid. Sulphurous acid is produced by burning roll brimstone in the air, and milk of lime by dissolving quick lime in water. Wm. H. Hovey, who patented a corn-sheller in April, 1859, resides in Springfield, Mass. The other matter in your letter we shall thoroughly investigate as soon as we can find time.

S. S. M., of S. C.—You will find our promised article on heat, in reply to your question, in another column.

H. L. C., of Ill.—To produce the electric light, take two small pieces of the hard carbon which collects in gas retorts, sharpen them to a point, attach one to the wire leading from the copper plate of a galvanic battery and the other to the wire leading from the zinc plate, bring the two points together, and then draw them slightly apart.

H. B. W., of Conn.—Lenses are ground by machinery.

J. M. J., of La.—The statement which you cite from Ure's "Dictionary of Arts," page 658, is very curious certainly. "A smooth-bottomed pan will evaporate over flame as fast as a corrugated one, having three times the surface; while, if both pans are immersed in a fluid, the evaporation is just in proportion to the surface of the bottom." You think "the difference is due to the density of the fluid medium pressed directly in contact with the surfaces." This is a fair specimen of the "explanations" of which the old books on science used to be full, but which are less common in this day. Students of nature are very generally learning the great truth that we live surrounded by mysteries which cannot be explained. For our own part, we can understand Ure's statement, but cannot understand your explanation.

R. T. C., of N. Y.—You cannot obtain a patent for the new use or application of a well-known mechanical device. Various alloys are used for bell metal; 80 per cent of copper and 20 of tin is said to be as good as any. A steel bar, bent in the form of a triangle, gives a very clear, sharp sound when struck.

J. A. M., of Pa.—Almost every manufacturer of friction matches has his own peculiar receipt for preparing his composition. We give you one. Take 6 lbs. of fine glue and soften it with water to a smooth jelly, heat it to a temperature of 156° and rub 4 lbs. of phosphorus into it, then add 10 lbs. of saltpeter, then 5 lbs. of red lead, and lastly, 2 lbs. of smalt; mix the whole into a uniform paste. Persons employed in dipping matches in close rooms are subject to a terrible disease of the jaws, which results in the loss of the teeth, and in many cases of the jaw-bone itself. It is caused by the fumes of phosphorus.

ENQUIRER, of Quebec, Canada.—Your letter is interesting, but anonymous. If you had given us your name we should have published it.

#### Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, Nov. 12, 1859:—

J. G., of Conn., \$20; R. L. R., of Pa., \$30; R. M., of Pa., \$30; G. M., of Conn., \$30; T. S. U., of N. Y., \$25; T. H. W. & Bro., of Ga., \$30; G. K., of N. Y., \$20; D. M. H., of Conn., \$35; N. L., of Conn., \$32; A. P. M., Jr., of Miss., \$55; A. G., of N. Y., \$15; H. E. W., of Mass., \$25; J. S., of R. I., \$30; C. R. K., of Pa., \$20; W. W., of Mass., \$40; J. S. C., of Pa., \$35; W. A. S., of N. Y., \$20; C. H., of N. Y., \$25; J. I. R., of Ill., \$35; H. B. J., of N. J., \$70; W. D. B., of Ohio, \$20; J. F. H., of N. Y., \$30; A. P. T., of Ga., \$20; C. & McC., of Iowa, \$30; T. Van D., of N. J., \$25; I. Y. C., of Mass., \$25; L. O. C., of N. Y., \$10; C. & Z. W., of N. J., \$30; E. A. G., of Conn., \$30; F. & L., of Pa., \$25; M. & B., of R. I., \$30; A. W., of N. Y., \$30; J. H. S., of C. W., \$25; N. J. E., of Wis., \$25; J. C. S., of Mass., \$55; D. C., of N. Y., \$30; J. A. A., of Ill., \$25; N. S., of Minn., \$30; G. W. S., of Conn., \$30; E. D., of Wis., \$30; H. F., of La., \$25; M. R., of N. Y., \$25; N. C. K., of Mass., \$20; S. T. P., of Ga., \$25; H. B. F., of N. Y., \$55; F. D. B., of Mass., \$30; J. D., of Ill., \$25; P. H., of Pa., \$57; O. M. P., of Ill., \$30; T. S. W., of N. Y., \$25; J. B., of N. Y., \$55.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Nov. 12, 1859:—

D. M. H., of Conn.; T. Van D., of N. J.; H. F., of La.; W. W. W., of Mass. (2 cases); J. D., of Ill.; S. T. P., of Ga.; J. S. C., of Pa.; J. B., of N. Y.; J. Y. C., of Mass.; W. B. D., of Conn.; J. & D., of Ala.; G. W. R. B., of La. (3 cases); C. R. K., of Pa.; H. E. W., of Mass.; N. J. E., of Wis.; J. C. S., of Mass.; T. S. U., of N. Y.; A. P. T., of Ga.; N. C. K., of Mass.; H. A. R., of Ohio; C. H., of N. Y.; J. H. S., of C. W.

#### Hints to our Patrons.

BACK NUMBERS.—We shall hereafter commence sending the SCIENTIFIC AMERICAN to new subscribers from the time their subscriptions are received, unless otherwise directed; the back numbers can be supplied from the commencement of the volume to those who may order them. It is presumed most persons will desire the back numbers, and such as do will please to so state at the time of sending in their subscriptions; they can, however be supplied at any subsequent period.

INFALLIBLE RULE.—It is an established rule of this office to stop sending the paper when the time for which it was prepaid has expired, and the publishers will not deviate from that standing rule in any instance.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within 14 years can obtain a copy by addressing a note to this office, stating the name of the patentee, and date of patent when known, and enclosing \$1 as fee for copying.

#### MATHEMATICAL INSTRUMENTS.—CASE

No. 508.—Wood box, with brass instruments set in a tray so that colors, &c., may be put below; pair 6-inch needle point dividers, with pen, pencil and bar; pair 4½-inch dividers; pair 3½-inch needle point dividers, with pen and pencil; spring bow pen, with needle point; drawing pen; brass protractor; horn protractor; ivory 6-inch scale, price \$3.75. McAlister's priced and descriptive catalogue of mathematical, optical and philosophical instruments—116 pages, 200 illustrations—furnished gratis on application and sent by mail free of charge to all parts of the United States. McALISTER & BROTHIER (established in 1790), No. 728 Chestnut-street, Philadelphia.

FOR SALE.—SEVERAL NEW INVENTIONS (unpatented). Funds only wanting. Address A. BLAKE, 21 2<sup>d</sup> Crescent, N. Y.

WHEELER & WILSON'S SEWING-MACHINE has, as usual, won the highest premium at the Fair of the American Institute, and at the principal fairs throughout the Union. Office No. 603 Broadway, New York. 21 2<sup>d</sup>

\$2 A DAY.—FEMALE AGENTS WANTED, ON salary or commission, for the mammoth "Family Pictorial," now the largest and handsomest paper in the world, for only 50 cents a year. For confidential terms to females, specimen copies, &c., enclose stamp and address Misses MARIE LOUISE HANKINS & CO. Publishers, New York City. 1<sup>st</sup>

CATARACT WASHING-MACHINE.—PAT-ented by T. G. Eiswald, Oct. 26, 1858.—The only complete washing-machine ever invented. Manufactured and for sale by SULLIVAN & HYATT, No. 51 Beekman-street, New York. 1<sup>st</sup>

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.

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 are very extensively engaged in the preparation and securing of Patents in the various European countries.

Inventors will do well to bear in mind that the English law does not limit the issue of Patents to Inventors.

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 on application at the Principal Office or either of the Branches.

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 APPLICANTS OF THE OFFICE came through your hands.

Immediately after the appointment of Mr. Holt to the office of Postmaster-General of the United States, he addressed to us the following 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.

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

A PRACTICAL COMPANION FOR THE TIN, Sheet-iron, Copper and Boiler-plate Workers, with plates and illustrations. Sent to any part of the United States, free of postage, on the receipt of \$1. Circulars of contents sent free, on application to BLINN & BATTLE, Detroit, Mich.

PATENT AGENCY.—AN OFFICE FOR THE sale and purchase of 2000 Patents has been established at Akron, Ohio. Patentees will do well to avail themselves of this Agency, with its extended and varied facilities.

FOR SALE—THE PATENT-RIFLE FOR THE simplest, safest and best breech-loading Rifle yet invented. Warranted not to leak at the breech. Address J. S. DICKASON, Somerville, Tenn.

THE NEW BRICK MACHINE IS GRADUALLY extending over the United States and Canada. It does the whole operation of tempering and molder; is worked by steam, horse, or one man.

ARCHITECTS' AND MECHANICS' JOURNAL, for November, now ready. Price 25 cents. Copy mailed to any address on receipt of price. Publisher, ALEX. HARTILL, 128 Fulton-street, New York.

LIFTING-JACKS AND PRESSES FOR SALE.—Of Jacks, five sizes, weighing from 35 to 110 pounds, capable of lifting from 10 to 40 tons, for sale at the following places in New York: 167 South-street, 75 John-street, 195 Pearl-street and 122 Broadway.

UNIVERSAL KNOWLEDGE-BOX.—THE CORNER CUPBOARD; OR, FACTS FOR EVERYBODY. By the author of "Inquire Within," "The Reason Why," &c. Large 12mo, 400 pages, cloth, gilt side and back; price \$1.

JOHN W. QUINCY & CO., IMPORTERS AND Dealers in Metals, Cut Nails, &c., No. 93 William-street, New York.

INGERSOLL'S IMPROVED PORTABLE HAY and Cotton Press is the best and cheapest in the country. Farmers and planters will do well to examine the same before purchasing elsewhere.

EIGHT-HORSE PORTABLE STEAM-ENGINE, cylinder 7 1/2 by 15, governor, balance-wheel, &c., attached to flue boiler, all new. Price \$325.

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

OIL! OIL! OIL!—FOR RAILROADS, STEAMERS, and for Machinery and Burning. Possessing Improved Machinery and Burning Oil will save fifty per cent. and will not burn.

ALFRED MARSH & CO., 241 BROADWAY, New York.—Engineers and Contractors for the erection of Coal or Rosin Gas-works; Proprietors and Manufacturers of Marsh's Patent Rosin or Sunlight Gas-works, patented 1853 and '59 in the United States, Canada and Europe.

FOR SALE—A DOUBLE-CYLINDER CONDENSING-ENGINE, of 15 horse-power; a superior article, made by the subscriber, in the best manner, for his own use, in contemplation of enlarging his business.

TO MACHINISTS.—FOR SALE, STATE, County or Shop Rights for the manufacture of Wood's Oscillating-engine, illustrated in Vol. I, No. 16 (new series), SCIENTIFIC AMERICAN. Terms reasonable. Address ALFRED JEFFERY, Arsenal Post-office, Allegheny county, Pa.

HOMINY MILLS.—THE UNDERSIGNED IS manufacturing Fabney's Improved Self-feeding, discharging and Separating Hominy Mill. For mills or rights, address 19 11\* J. DONALDSON, Rockford, Ill.

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

PHILADELPHIA MACHINERY DEPOT.—Woodworth planing machines; moldering, tenoning and cash moldering machines; a large stock of lathes, iron pipes, drills, chucks, &c., at reduced prices. Address CHAS. H. SMITH, No. 135 North Third-street, Philadelphia.

HOARD & WIGGINS' STEAM TRAP VALVE, for relieving steam pipes of condensed water and keeping back the steam. Are in successful use at the Cocheo Print-works, Cocheo Manufacturing Co., Jackson Co., Newmarket Co., Crystal Spring Paper Mills, Manchester Print-works, Amoskeag Mill, Pemberton Manufacturing Co., Naumkeag Steam Cotton Co., Berkshire Woolen Co., Lawrence Manufacturing Co., Lowell Bleaching and Dye Works, Fremont Mill, Falls Co., Hamilton Manufacturing Co., Harrison Steam Mill, Corlies Steam-engine Co., Clyde Print-works, A. & W. Sprague's Cotton Mills and Print-works, Lonsdale Co., Bluestone Co., Salisbury Mills, Great Falls Paper Co., Victory Mills, Kennebec Manufacturing Co., Massachusetts Co., Porter Mills, Valley Falls Co., Perse & Brooks' Paper-works, Appleton Co., Portland and Bristol Sugar Cos., Newton Upper Falls Co., Gorrie Co., Catskill Woolen Co., Pacific Mill, Middlesex Co., P. Allen & Sons and J. Dunne's Print-works, Prescott Mills, Atlantic & Laine Mill, and upwards of one thousand other places.

LEATHER AND RUBBER BELTING, ENGINE and Hydraulic Packing, Heater Pipe Rings, Printers' Blankets, Roller Leather and Roller Cloths, Machine Cards, superior Leasing-leather, and all articles usually required for manufacturers' use, for sale by MOSES H. EMERY, No. 112 Arch-street, Philadelphia.

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.

INSTRUMENTS.—CATALOGUE (SIXTH EDITION), containing over 250 Illustrations of Mathematical, Optical and Philosophical Instruments; list of Stereoscope-pictures, 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.

THE BUILDING NEWS—A WEEKLY JOURNAL for the Builder, Architect and Dealer in Real Estate; \$2 per annum. Published by JOHN HILLYER, 120 John-street, New York.

PATENT MACHINERY AGENCY.—PARTIES securing patents for any article, would do well to address us by letter. Patents purchased in whole or in part, or articles patented sold on commission.

VALUABLE FOR WEAVERS, LOOM-FIXERS, &c.—"The Weavers' Guide," a collection of 200 patterns of ground-weaving, accompanied by drawings and explanations. Address, for particulars, E. KELLERMANN, Moosup, Conn.

RHODE ISLAND AGENCY FOR PATENTS.—J. H. ATWATER, Providence, will sell Patent Rights, and solicit orders for Patent Articles, by agents and advertising. Will exchange circulars and references with patentees.

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

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.

A MESSIEURS LES INVENTEURS—AVIS IMPORTANT.—Les inventeurs non familiers avec la langue Francaise, 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 1855, will expire by their own limitations during the current year (1857) 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.

YATES' IMPROVED PATENT RAILWAY SHINGLE MACHINE.—Best ever patented. State and County rights can be had of W. H. G. YATES, Patentee, Chittaugus, N. Y. Manufactured by Seymour & Adam, Rome, N. Y.

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 of styles and prices. Address J. H. LESTER, Brooklyn, N. Y.

HOSIERY KNITTING-MACHINE FOR FAMILY and Plantation use; the most simple and complete Stocking-machine ever offered to the public. No family or plantation should be without one. Patent secured both in this and foreign countries.

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.

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.

NEW YORK MACHINERY DEPOT.—MILBANK & ANNAN (successors to A. J. Ackerman), manufacturers and dealers in Woodworth Planers, Wick's Patent Ice-sawing Machines; Sash, Door and Blind Machinery, Steam-engines and Boilers, Machinists' Tools, Files, Leather and Rubber-belting, and findings of every description, No. 232 Pearl-street, New York.

THE FOLLOWING VILLAGE GAS-WORKS ARE now operating under the Aubin system, viz.: For the city of San Antonio, Texas; for the villages of Batu, N. Y.; Plattburgh, N. Y.; Glenoxville, N. Y. (obtained from rosin works); Rutland, Vt.; Dover, Del.; Jersey Shore, Pa.; Flemington, N. J.; Greenboro, 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.

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

CHARLES W. COPELAND, CONSULTING AND Superintending Engineer, No. 122 Broadway, New York. Plans and Specifications prepared for all kinds of Steam-engines and Machinery, for 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.

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.

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.

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. Specimens and prospectuses sent to all parts of the States, on receipt of 15 cents in stamps.

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

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.

WROUGHT IRON PIPE, FROM ONE-EIGHTH of an inch to six inches bore; Galvanized Iron Pipe, in substitution for lead; Steam Whistles, Stop Valves and Checks, 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. 29, 31 and 33 Platt-street, New York.

Zur Beachtung für Erfinder. Erfinder, welche nicht mit ihrer englischen Sprachbekanntschaft können ihre Mittheilungen in der deutschen Sprache machen. Erfindungen mit kurzen, deutlich gefaßten Beschreibungen beliebe man zu adressiren an Munn & Co., 37 Park Row, New-York.

Auf der Office wird deutsch gesprochen.