

week, and the days of the month, are so arranged that they have an intermittent motion, keeping the respective figures or letters in view during the whole hour or during the whole of the day, the changes taking place almost instantaneously with the wheels which indicate the days of the week and month, and at shorter or longer intervals, according to the hour which the clock has to strike, with that wheel which indicates the hours, which latter, however, may be made so as to have a continuous motion. And this invention also consists in arranging the wheel which indicates the hours in such a manner that it serves the double purpose of indicating the time and actuating the bell-hammer.]

25,469.—Joseph B. Okey, of Indianapolis, Ind. (assignor to himself and Wm. H. Hendrick, of same place), for an Improvement in Straw-cutters:

I claim, first, The combination of sliding-bar, B, when constructed as set forth, with yoke, C, and vibrating bottom, D; and—
Second, The combination of cams, F and G, with lever, A, when constructed and used as described, all operating substantially as and for the purposes mentioned.

25,470.—Joseph Rider, of Newark, Ohio (assignor to himself and E. Remington & Sons, of Ilion, N. Y.), for an Improvement in Breech-loading Fire-arms:

I claim the combination of the movable breech-pin, F, and the cap-tube, E, applied to a pistol substantially as described.
And, in combination with a hammer of the form described, I claim the arrangement of the main-spring and trigger, relatively to each other, to the hammer, and to the stock and barrel, substantially as described.

25,471.—Joseph C. Silvey, of New Orleans, La. (assignor to Thomas J. Dobyns, of St. Helena Parish, La.), for an Improvement in Sewing-machines:

I claim, first, Operating the needle-arm, by means of a grooved eccentric, G, and a pin, h, on the needle-arm, arranged relatively to each other to operate in the manner described and illustrated.
Second, The construction or arrangement of the portion of the feed-plate or table, B, through which the needle and the feeding-dog work, to form an inclined plane relatively to the direction of the movement of the feeding-dog, substantially as described and illustrated, for the purpose set forth.

Third, The combination of springs, R and M, applied in the manner described, to effect the tightening of the stitch, and otherwise control the thread between the perforating-needle and its spool by the automatic operation explained.

[This invention consists, firstly, in a certain mode of applying an eccentric, in combination with the needle-arm, for the purpose of driving the needle, whereby the perforating needle is caused to have a slower motion in perforating the cloth, and a quicker motion on its return to take up the stitch, and to have its motion almost suspended for a considerable time while in the cloth. It consists, secondly, in the construction or arrangement of that portion of the surface of the feed-table which surrounds a feeding-dog working through the said table, and below or at the back of the cloth or material being sewed, in such manner as to form an inclined plane or occupy an inclined position relatively to the plane or direction of the movement of the roughened surface of the feeding-dog, whereby the said dog is made to operate effectually with only a simple reciprocating motion. It consists, thirdly, in a novel combination of springs attached to the needle-arm, for the purpose of controlling the thread between the eye of the perforating needle and the spool from which the thread is supplied to the said needle, and for regulating the tightness of the said thread in the stitch.]

25,472.—Seth D. Tripp, of Stoneham, Mass. (assignor to himself and Luther Hill, of same place), for an Improvement in Apparatus for Feeding Pegs:

I claim, first, Winding up the blank or strip of pegs with the ribbon, f, so that, as the ribbon is wound off by the movement of the machine, the blank will be fed up in the manner substantially as set forth.

Second, I claim hancing the spool, I, on a vibrating arm, F, so that the spool and trough, M, may follow the motions of the swinging-gate or part of the pegging-machine, to which the trough, M, is attached.

25,473.—Andrew Turnbull, of West Meriden, Conn. (assignor to himself and James D. Frary, of Meriden, Conn.), for an Improvement in Scales:

I claim, first, The combination of the beam-lever, F, with scoop platform, C, attached, with the spring, K, rack, J, adjustable or fixed pinion, e, with index or indexes, N, attached to its arbor, d, and traversing over a graduated plate or plates, M, substantially as and for the purpose set forth.

Second, I claim attaching or suspending loosely the rack, J, to the beam-lever, F, by means of a pivot, f, and having a spring, g, acting on said rack in order to keep the same in gear with the pinion, e, for the purpose set forth.

Third, I claim attaching the lower end of the spring, K, to the traverse bar, h, by means of the screw, L, and nut, i, in order to regulate the tension of the spring and preserve its uniformity, substantially as and for the purpose set forth.

Fourth, I claim, in combination with the beam-lever, F, spring, K, and indexes, N, connected with the beam-lever, the stop, j, on the arbor, B, for the purposes specified.

25,474.—O. H. Waters, of Baltimore, Md. (assignor to Alfred Hunter, of Washington, D. C.), for an Improved Clothes-dryer:

I claim the combination and arrangement of the adjustable grooved post, B, its radial arms, F, and box, H, with box, A, cylinder, D, and protector, K, the whole being constructed in the manner and for the purpose set forth.

25,475.—Lewis White, of Hartford, Conn. (assignor to himself and Daniel McLaughlin, of New York City) for an Improvement in Lamps:

I claim the application and arrangement of the operating gears, when placed in the manner and for the purpose herein described.
I also claim the movable flaps, B B, in the manner and for the purpose substantially as described.

RE-ISSUES.

William Fulton, of Cranberry, N. J., for an Improvement in Lamps. Patented August 3, 1858:

I claim, first, The perforated plate or air-distributor, C, or its equivalent, as shown in Fig. 2, for the purpose of regulating the elastic force of the air so that it may be presented evenly to the frame (when applied to flat wick lamps), it being placed horizontal.

Second, I claim the perforations, h, in the lower part of the cap, D, as shown in Fig. 1, in combination with the perforated or air-distributing plate, C, as shown in Fig. 2.

Third, I claim the register formed of the perforations, e, in the top, A, as shown in Fig. 3, in combination with the perforated plate or air-distributor, C, as shown in Fig. 2, and the holes, h, in the lower part of the cap, D, as shown in Fig. 1, the whole being arranged substantially as and for the purpose described.

P. A. Palmer, of Troy, N. Y., for an Improvement in Heating Elevated Ovens. Patented September 24, 1850:

I claim the arrangement and combination of revertible flues in elevated ovens of cook-stoves, with partition walls, in the manner as and for the purpose described and set forth.

I also claim the arrangement and combination of the oven plate, c, in and with the inner plate and ends of the oven, as and for the purpose described and set forth.

I claim the arrangement of the damper, e, immediately between the main part of the stove, and the bottom or lower part of the elevated oven, thereby combining it with the said oven, the stove and

the double flue, c, for the purpose of controlling and regulating the heat in its passage into the flues of the said elevated oven, as described, disclaiming any damper found in any stove not having an elevated oven, as set forth.

Henry B. Goodyear, of New York City (administrator of Nelson Goodyear, deceased), for an Improvement in India-rubber Fabrics. Patented May 13, 1845.

Extended for 7 years from May 13, 1859:
I claim making fabrics by thoroughly intermingling and incorporating the shearings or clippings of fibrous substances with the gum while rendered plastic by heat, substantially as and for the purpose specified.

EXTENSIONS.

C. J. Woolson, of Cleveland, Ohio, for an Improvement in Cooking-stoves. Patented Sept. 9, 1845.

I claim the forming of the bottom plate of the oven with a number of tubes or boxes, usually of sheet-iron or other substance thinner than the bottom plate, that descend from it, through the lower flue-space, the same being effected under an arrangement of their respective parts, substantially the same with that described and for the purpose set forth.

Frederick E. Sickels, of New York City, for an Improvement in the Mode of Tripping Cut-off Valves. Patented September 19, 1845.

I claim tripping the drop valve of the cut-off by a motion independent of the lifter, substantially in the manner and for the purpose described.

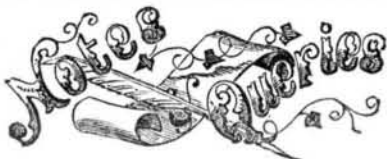
I also claim combining the wiper that drops the valve of the cut-off, whether working horizontally or vertically, with any of the moving parts of the engine, other than the lifters or their rocking shaft, by means of the sector and arm or arms, by means of which the extent of the cut-off can be regulated at pleasure during the action of the engine from the full to the least point of the stroke, as described.

DESIGNS.

Henry Hubbard, of New York City, for a Design for the Handles of Spoons, Forks, &c.

NOTE.—A fortnight ago we took occasion to complain of the dilatory manner in which certain departments of the Patent Office were progressing. We are now happy to state that since that time the examiners have been busy at their labors, and most of the back-work has been brought up. The Commissioner has returned to his duties after an absence of about six weeks; and some members of the examining corps, who have had a shorter vacation, called upon us during the past week, on their way back to their posts, apparently invigorated by their sojourn among the hills of their New England homes.

Of the patents in the above list, THIRTY-EIGHT were secured through the Scientific American Patent Agency—a larger number, we are no doubt correct in asserting, than was ever before secured through a single agency in one week. For our superior facilities for obtaining patents, see advertisement on another page.



W. H. T., of Mass.—The facts stated by you in reference to your success in oiling journals are unprecedented so far as we know, but before we could publish them satisfactorily, we should like a sketch of the way it is done. This would interest our readers more than the bare facts themselves.

E. P. M., of Tenn.—You cannot get a good work on mill-building. Such a work is needed, but the expense of getting it up would be great, and might not pay.

S. C. N., of N. Y.—We do not wish to publish anything more at present upon the subject of "Rain at Different Elevations," unless some very novel view is presented. We will make a note of the substance of your communication in our next issue.

J. J. B., of Iowa.—We have no knowledge of the practical value of the paint you mention. Address the patentee.

W. J. McC., of Tenn.—You can procure glazed clay pipes from Miller, Youle & Co., of this city.

M. S. C., of Md.—There are clocks that keep the day of the week, month and year. Paddle-wheels have been invented where a crank was employed to keep the paddles in position. No such contrivance has proved of any practical value. The improvement you suggest in reaping-machines is not new.

R. B., of C. W.—A good undershot wheel on your fall of 3½ feet (if you have plenty of water) will answer well for driving an upright or a circular saw. Address S. K. Baldwin, Laconia, N.H., regarding the turbine wheel.

S. T. N., of N. Y.—There are a number of patented machines for filing saws. See back numbers of the SCIENTIFIC AMERICAN. There are a number of patents in this country for file machines, some of which have done good work. A file machine is now successfully operating in England, as we learn from our exchanges. We are not familiar with any practice of curing spavined horses. You should apply to a "horse-doctor."

J. W. D., of Texas.—The mineral which you have sent us contains a little sulphuret of copper, some shells, and carbonate of lime. It is not worth working for the quantity of metal in it. Your subscription expires Jan. 1, 1860.

G. B. B., of R. I.—We perceive nothing patentable in your "Plumb and Level Indicator." The same plan has been often submitted for our opinion before. In the first volume of the old series of the SCIENTIFIC AMERICAN you will find an illustration of a plan not very unlike yours.

W. H. B., of Ky.—We intend to notice all such communications as are sent to us having a bearing upon our business. Sometimes, however, the inquiries are of such a nature that we cannot answer them without subjecting ourselves to a great deal of inconvenience. Your letter was one of that kind, and desirous of serving you, we handed it over to Leavitt & Co. for attention. We hope you will be satisfied with the explanation, and not attribute any intentional neglect to us.

N. P. A., of N. Y.—The cheapest way to make carbonic oxyd is to burn charcoal or anthracite with an imperfect supply of air; it cannot be made cheaply from lactic acid salts.

S. W. W., of La.—You have probably learned by this time that the strange light which you saw on the 2d of September was the remarkable aurora borealis, which was observed in Cuba as well as in this latitude, where we are more familiar with the phenomenon. The "savans" would be very happy to explain it if they were able, but it is one of those secrets of nature which have yet eluded the comprehension of man.

J. C., of Ill.—Cement for the outside of brick walls, to imitate stone, is made of clean sand, 90 parts; litharge, 5 parts; plaster-of-Paris, 5 parts; moistened with boiled linseed oil. The bricks should receive two or three coats of oil before the cement is applied.

A. Bros., of N. Y.—Messrs. Fox & Polhemus, corner of Beaver and Broad-streets, sell an article of cotton hose. The Grenoble hose, made of linen and seamless, is sold by Charles Lenzmann, No. 54 Cedar-street. The New York Belting and Packing Company, Nos. 37 and 38 Park-row, keep a complete assortment of india-rubber hose.

G. H., of Miss.—Our dealers in telescopes do not credit the statements in the advertisement referred to. They say that telescopes combining so great power with so small a size have never been seen here, and that they should have imported some of those advertised if they had not satisfied themselves that the statements were erroneous. Bookbinder's paste is made in the same manner by different persons generally in the trade. It contains alum.

A. F. A., of Conn.—Clay tobacco pipes are made by Edwin Hollely, Nos. 30 Hudson-avenue and 241 John-street, Brooklyn.

R. H., of Ohio.—It would afford us pleasure to receive other contributions on coal-oils, especially in regard to the temperature and management of the retorts, the coals most suitable for the purpose and the methods of refining the products.

J. A. W., of Ga.—The best alloy for journal boxes is composed of copper, 24 lbs.; tin, 24; and antimony, 8. Melt the copper first, then add the tin, and lastly the antimony. It should be first run into ingots, then melted and cast in the form required for the boxes.

G. H., of Texas.—Ice has been made in this city, and in Washington, by mechanical power. The plan was to condense air by steam or water-power, and then allow it to expand in contact with water. The expansion absorbed large amounts of heat, making it latent, and drawing this heat from the water freezes it. The great capacity of water for heat (23 times as much as that of mercury) required so much power to freeze the water that the process was too expensive, and was abandoned. We do not believe that ice has ever been made in the summer for half a cent per pound.

Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, Sept. 17, 1859:—

J. C., of Mass., \$25; H. & F., of Pa., \$30; M. & S., of N. Y., \$25; J. M. C., of Ky., \$25; J. C. A., of Cal., \$30; D. M. C., of N. H., \$30; C. C. B., of Ohio, \$25; D. & G., of N. Y., \$30; K. & M., of Mass., \$25; P. & R., of Conn., \$25; G. C., of Maine, \$25; N. G. S., of N. Y., \$30; H. R. of Ga., \$35; W. M., of Maine, \$35; W. T. J., of Ill., \$25; L. E., of Conn., \$75; J. H. L., of Iowa, \$30; A. R. R., of Mo., \$25; W. J. H., of Ala., \$67; N. H. C., of N. Y., \$20; G. C. B., of Ill., \$15; G. W., of Pa., \$25; S. W. S., of Wis., \$25; J. E. L., of Conn., \$30; C. T. S., of Cal., \$15; J. H. G., of Cal., \$35; P. K., of Conn., \$55; J. L., of R. I., \$30; S. R. McD., of Del., \$25; R. T., of Iowa, \$30; R. C., of N. Y., \$30; S. P., of Mass., \$30; W. T. L., of Mich., \$25; E. K., of Conn., \$10; H. S., of Ohio, \$25; J. C., of N. C., \$30; C. M., of N. Y., \$32; J. P. B., of Pa., \$30; W. C., of Ill., \$25; J. S. C., of Pa., \$19; H. H., of Mass., \$55; J. E. of Cal., \$30; T. H. W., of Mass., \$310; H. C. F., of Ohio, \$30; T. R., of Conn., \$30; G. F. P., of N. H., \$32; W. S. K., of Conn., \$25; J. J. K., of Miss., \$30; L. H. F., of Pa., \$25; A. D. H., of Mich., \$30; W. E., of Maine, \$30; A. A. D., of S. C., \$30; W. B., of Ohio, \$25; W. H. E., of N. Y., \$25.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Sept. 17, 1859:—

W. C. of Ill.; C. M. of N. Y.; G. C. B. of Ill.; C. & L. of N. C.; S. R. McD. of Del.; P. K. of N. Y.; J. C. A. of Cal.; G. W. B. of La.; L. H. F., of Pa.; K. & S. of N. Y.; M. & S., of N. Y.; W. G. of N. Y.; J. W. C., of N. Y.; H. S. of Mass.; W. S. K. of Conn.; C. C. B., of Ohio; J. E. of Cal.; W. H. K. of N. Y.; W. M. of Maine; P. & R. of Conn.; G. W. of Pa.; J. S. C. of Pa.; J. M. C. of Ky.; C. T. S. of Cal.; K. & M. of Vt.; H. O. A. of La. (3 cases); H. S. of Ohio; J. C. of Mass.; W. T. L. of Mich.

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13 3 I. L. HEWITT, Cleveland, Ohio.

T O CANDLE MANUFACTURERS.—THE undersigned manufacture "Weeden's Patent Self-consuming Wick" for tallow candles. Specimens of candles and samples of the wick may be procured at the store of O. Shepard & Co., No. 307 Broadway, New York. Samples sent by mail by the undersigned, if desired. Candle-wicking of every description, and of the best quality, supplied to order at short notice, and all the common kinds, braided and twisted, constantly on hand.
13 3" ST. PHEN RANDAL & CO., Providence, R. I.

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. For the transaction of this business we have Offices at Nos. 66 Chancery Lane, London; 29 Boulevard St. Martin, Paris, and 26 Rue des Epiceriers, Brussels.

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.

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.

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. 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.

Your obedient servant, J. HOLT. Communications and remittances should be addressed to MUNN & COMPANY, No. 37 Park-row, New York.

THE PRACTICAL MACHINIST.—A WEEKLY

paper of eight pages, devoted to the interests of mechanics, the development and encouragement of inventive genius and mechanical skill, and the introduction and sale of home manufactures.

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MAINE CHARITABLE MECHANICAL ASSOCIATION

—Fair and exhibition to be held in Portland, Maine, Sept. 27, 1859, at the new City Building. Competition open to all. Object—The promotion of art, mechanical ingenuity and industry; for the best specimens of which suitable premiums will be awarded. Goods received from the 10th to the 20th. Articles for exhibition carried and returned free by steamers from New York, and over all railroads carrying its exhibits; also by steamers from Boston. Articles and communications directed to J. R. Milliken, Secretary of Board of Managers (who will also send circulars), will receive prompt attention. S. C. CHASE, Chairman.

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Market-street, above Vine, Philadelphia, Pa., Manufacturers of Wet and Dry Patent Gas Meters; Station, Experimental, Show and Chamber Meters; Meter Provers, Burner Provers, 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*

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THE AUBIN VILLAGE GAS WORKS WERE

erected last year by gas companies in several States and in Canada. The success attending these works has already led to the erection of one city and one village work this season, has secured three village works for immediate erection, and so nearly secured five more that they may be relied on before August next. For reference apply to the Aubin Company, No. 44 State-street, Albany, N. Y. 1 13

CALIFORNIA AGENCY FOR PATENTS.—

WETHERED & TIFFANY, San Francisco, will attend to the sale of patent rights for the Pacific coast. References: Messrs. Tiffany & Co., New York; Wethered, Brothers, Baltimore; George W. Bond & Co., Boston. 4 13

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.

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& ANNAN (successors to A. L. Ackerman), manufacturers and dealers in Woodworth Planers, Wide 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*

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 Extension must be made at the Patent Office at least 60 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.

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