

RECENT AMERICAN INVENTIONS.

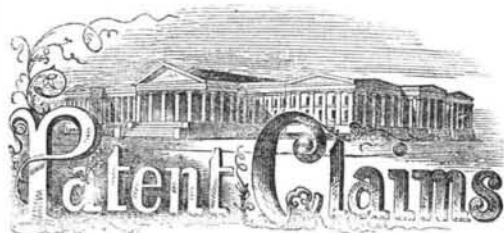
The following inventions are among the most useful improvements lately patented:—

BLASTING ROCKS.

The object of this invention is to prevent accidents which frequently occur in blasting rocks, owing to the tamping of the wadding over the charge of powder in the hole; the metal rod necessarily employed for the purpose, in coming in contact with the side of the hole, developing sparks or fire which cause the ignition of the powder. This invention consists in having the hole which is drilled in the rock to receive the charge, of two different diameters; the lower part of the hole which receives the powder being smaller in diameter than the upper part which receives the wadding, and using a division plate and spindle so applied and arranged in the hole that the wadding may be placed in the hole and tamped before the insertion of the powder, and all accidents avoided. John Gilleland, of Athens, Ga., is the inventor of this method.

MACHINE FOR TURNING BAGS.

Bags manufactured by sewing are commonly turned inside out to bring to the inside the margins which extend beyond the seams, and thus give the seams a neat appearance on the outside. In the manufacture of such bags, in large quantities, much time is consumed in this process, one establishment now in active operation employing several persons for this purpose alone. W. N. Gee, of New Haven, Conn., has patented an automatic machine by which the bags are taken from a stack or pile, turned, and delivered much more quickly than can be done by hand. It turns from 3,000 to 6,000 an hour, according to size, and the same machine can be set to turn all sizes. From 1,000 to 1,800 per day only can be turned by hand by one person.



ISSUED FROM THE UNITED STATES PATENT OFFICE
FOR THE WEEK ENDING DECEMBER 4, 1860.

[Reported Officially for the SCIENTIFIC AMERICAN.]

* * Pamphlets giving full particulars of the mode of applying for patents, size of model required, and much other information useful to inventors, may be had gratis by addressing MUNN & CO., Publishers of the SCIENTIFIC AMERICAN, New York.

30,791.—S. H. Apple, B-nj. Lindheim, and H. Baer, of New York City, for an Improved Apparatus for Shaping Hats:

We claim the sliding half rings, *e' g'*, fitted and acting substantially as specified, in combination with the curved part, *l*, of the die *c*, as and for the purposes specified.

30,792.—R. C. Bailey, of Greensboro, N. C., for an Improvement in Machines for Ramming Earth around Railroad Cross Ties:

I claim combining with a movable truck frame, *A* and *D*, the reciprocating rammers, *E* & *F*, as set forth, when the same are actuated by the gearing, *J* & *H*, and the springs, *a*, substantially as described.

[The object of this invention is to combine with a machine which may be moved about on railroad rails, two reciprocating spring rams, which are operated by gearing, for the purpose of ramming earth about the cross-ties of railroad rails in a more rapid and efficient manner than can be done by the means hitherto employed for this purpose.]

30,793.—Everett Bass, of Pachitta, Ga., for an Improvement in Plows:

I claim the arrangement of the forked and slotted adjustable bar, *D*, beam, *A*, band, *E*, and hinged serrated adjusting rod, *d*, with the guide bar, *G*, all as shown and described for the purposes set forth.

[This invention relates to an improvement in that class of plows which are used in the cultivation of crops, and generally known as shovel and scoter plows. The invention consists in the employment or use of a horizontal guide bar attached to the lower end of the foot, and a peculiar arrangement of means for adjusting the same for giving the plow a greater or less inclination, as may be desired.]

30,794.—Louis Banhofer, of Philadelphia, Pa., for an Improved Life-Preserving Mattress:

I claim the arrangement and combination of the outer frame, *A*, inner frame, *C*, net work cover, *l*, the cover, *d*, of oiled canvas or other equivalent waterproof material, the picking of cork, cuttines or shavings, and the longitudinal and transverse ropes, the whole being constructed as set forth, for the purpose specified.

30,795.—M. L. Bauder, of Cleveland, Ohio, for an Improvement in Rotary Harrows:

I claim the triangular teeth, *D*, *E*, frame, *A*, draught beam, *C*, axle, *B*, and plates, *H* & *K*, when the whole is constructed and arranged for operation conjointly, as and for the purpose set forth.

30,796.—H. M. Belden, of Farmington, Ohio, for an Improvement in Cultivators:

I claim the frame, *A*, composed of a single iron bar, bent in the form as and for the purpose set forth.

[This invention relates to an improvement in the construction of that class of cultivators which are made of iron. Cultivators of this kind are very durable, but those hitherto introduced have been quite heavy and expensive to construct, and the increased draft, together with the expense, have prevented them from being generally adopted. The object of this invention is to obviate these difficulties.]

30,797.—John Blocher, of Williamsville, N. Y., for an Improved Chain:

I claim the combination of the knee, *D*, *D'*, of one knife-edged link, *B*, *B'*, with a slot, *C*, of another knife-edged link, *A*, *A'*, for the purpose of forming a chain, the links of which cannot detach themselves from each other, substantially as set forth.

30,798.—George Buchanan, of Hickory, Pa., for an Improved Compensating Pendulum:

I claim the continuation of the pendulum wire to a point above the axis of oscillation, there forming a bob, thence descending through a fixed plate, or its equivalent, to a fixed block below on a lever with the pendulum ball, substantially in the manner and for the purpose specified.

30,799.—W. R. Center, of Athens, Ill., for an Improvement in Corn Planters:

I claim the arrangement of the guard, *F*, covers, *G*, plow, *E*, and roller, *H*, with the seed box, *D*, slide, *b*, beam, *A*, lever, *J*, springs, *J'*, rods, *K* *g*, bent lever, *L*, and handles, *B*, all as shown and described, for the purposes set forth.

[This invention consists in the arrangement of a guard in front of the seed box, and between an opener and two covers, for keeping the loosened earth from falling into the furrow before the seed is dropped. The invention further consists in the several combination seed arrangement of teeth for opening the earth, guard covers, seed hopper, and a means for operating the seed slide which is controlled by the driver.]

30,800.—S. S. Chandler, of Chelsea, Mass., for an Improvement in the Striking Mechanism for Gongs:

I claim the arrangement of spring, *k*, the peculiarly shaped latch piece, *n*, slotted guide, *j*, and the guide, *i*, when combined and made to operate with the ball, *m*, spring, *d*, hammer, *c*, and stop, *f*, of a gong or bell striking apparatus, in the manner substantially as described.

30,801.—E. C. Cleveland, of Worcester, Mass., for an Improvement in Machines for Stretching Cloth:

I claim the arrangement of the slotted sleeves, *C*, *C*, and screws, *g*, *g*, with the blocks, *D*, stretching rollers, *B*, *B*, and shaft, *A*, as and for the purpose set forth and described.

[This invention consists in certain novel means of providing for the adjustment of the stretching rollers, at various angles to the axle or shaft which supports them, for the purpose of making them produce a greater or less degree of stretching action on the cloth.]

30,802.—G. J. Colby, of Waterbury, Vt., for an Improved Clothes' Wringer:

I claim the construction of the clothes' wringer with tanks, *E*, *E*, pivoted arms, *I*, and rollers, *J*, *C*, or their equivalents, arranged so that the act of passing the clothes between the rollers will cause the device to clamp itself firmly to the tub or other article, substantially as shown and described.

[This invention relates to an improvement in that class of clothes-wringing devices which are composed of pressure rollers. The object of the invention is to facilitate the application of the device washing machines, or to any tub or receptacle, by rendering the device self-clamping or holding.]

30,803.—C. M. Daboll, of New London, Conn., for an Improved Pressure Gage:

I claim the combination of the rock shaft, *l*, and its toes, *p* *m*, the lifter, *i*, and its guide rod, *j*, and spring, *n*, and the rod, *h*, connecting the said lifter with the sector, *h*, which gears with the pinion on the index shaft, the whole being applied and arranged in combination with the diaphragm and index, substantially as specified.

[This invention consists in a certain improved combination and arrangement of parts for combining the diaphragm with the index, whereby advantages are obtained.]

30,804.—Byron Densmore, of Brockport, N. Y., for an Improved Feathering Paddle Wheel:

I claim the eccentric wheel with its radiating arms, and the attachment to the buckets sliding on the arms, substantially as and for the purposes described.

Also, in combination with the above, the arrangement of the friction rollers with the eccentric wheel by which the wheel is supported, substantially as and for the purposes described.

Also, the connection of the buckets and paddle arms by the two series of brackets and hinges, substantially as and for the purposes described, used in a feathering paddle wheel, substantially as described.

30,805.—C. H. Edwards, of Vergennes, Vt., for an Improved Tuyere:

I claim the employment or use of the ball, *E*, attached to a suitable shaft, *F*, provided with openings or passages over more, which extend entirely through it and placed in the relation with the bed or plate, *B*, and wind chamber, *D*, as shown, to operate as and for the purpose set forth.

I further claim arranging the shaft, *F*, of the ball, *E*, in such a way that a weight, *G*, may be placed on said shaft to operate as and for the purpose specified.

30,806.—Thomas Evans, of Watkins, N. Y., for an Improvement in Wiring Tin Cans:

I claim the described method of strengthening and improving tin cans and other articles formed of sheet metal, by turning the wire upon the inside of the top, whereby the outer surface is left on a plane with the body or neck thereof, substantially in the manner and for the purposes set forth.

30,807.—Oscar Falke, of College Point, N. Y., and A. C. Richard, of Newtown, Conn., for an Improvement in Vulcanizing Caoutchouc:

We claim the use of the combination of the sulphuret of antimony and sulphate of soda, for the purpose of vulcanizing caoutchouc, gutta-percha and other vulcanizable gums, substantially in the manner described.

30,808.—W. V. Gee, of New Haven, Conn., for an Improvement in Machinery for Turning Bags:

I claim, first, A machine for turning bags, composed of or containing the following three principal elements, viz.—1st. A device for opening the mouth of the bag; 2d. A device for extending and keeping extended the mouth of the bag; 3d. A device for entering and seizing the bottom while the mouth is extended, and drawing the bottom through the entire length of the bag—the whole operating in combination with each other substantially as described.

Second. The use of smootheners, applied and operating substantially as described, in combination with the devices for extending the mouth and the device for drawing the bottom through the interior of the bag, for the purpose of taking the wrinkles out of the bag as it is turned.

Third. The arrangement of the nipper frame, *G*, and the nippers, *c* *d* *c* *d*, in combination with the rising table, *B*, and the plate, *F*, substantially as described.

Fourth. The arrangement of the extender bar, *N*, and extenders, *P* *P*, to operate in combination with the nipper frame, *G*, and nippers, *c* *d* *c* *d*, substantially as specified.

Fifth. The arrangement of the turning grippers, *l* *m* *l* *m*, to operate in combination with the extender bar, *N*, and extenders, *P* *P*, substantially as set forth.

Sixth. The plate, *E*, applied in combination with the turning grippers, substantially as and for the purpose specified.

Seventh. The wedges, *V* *V*, applied in combination with the wiring grippers, substantially as and for the purpose set forth.

30,809.—John Gilleland, of Athens, Ga., for an Improved Mode of Blasting Rocks:

I claim blasting rocks by having the hole which receives the charge of two different diameters, the smaller one, *b*, to receive the powder, and the larger one, *a*, to receive the wadding, and using in connection therewith a plate, *C*, and spindle, *D*, respectively applied and manipulated, substantially as set forth.

30,810.—N. A. H. Goddin, of Wilson, N. C., for an Improvement in Cotton Cultivators:

I claim the combination of the curved triangular plate, *E*, or plate, *F*, with the main casting, *D*, pieces, *I* *J*, and wings, *G* *H*, substantially as and for the purposes set forth.

30,811.—Edmund Greenlee, of Sumner Hill, Pa., for an Improved Machine for Finishing the Inside of Barrels:

I claim having a mandrel so as to admit of a rest through the inside, with tools to howel, bevel, cut the croze, and turn the inside, in the manner described, or any other substantially the same, and which produces the same result.

30,812.—Wm. D. Grimshaw, of New York City, for an Improved Mangle:

I claim the combination of the rollers, *P* *F* and *D*, and table, *E*, when the parts are arranged and operate in the manner and for the purposes specified.

30,813.—J. S. Hall, of Manchester, Pa., for an Improvement in Plow Clevises:

I claim the making of a clevis by bending down and around the piece of metal, so as to inclose and rigidly hold a strengthening plate in its bends or folds, substantially as described.

30,814.—Origin Hall and G. Hall, of Willington, Conn., for an Improvement in Machines for Dressing Thread:

We claim, first, An automatic apparatus, substantially such as described, for dressing thread, in combination with rotating polishing felt clothed cylinders, or their equivalents, and with a size vat, when so arranged, substantially as specified, that each thread passes singly over the polishers, so that threads may be sized, traversed and polished, substantially in the manner described.

Second. We claim, in combination with a size vat and with rotating polishers, substantially such as specified, an automatic apparatus, substantially such as is specified, for imparting to thread a combined traversing and rolling motion; and

Third. We claim, in combination with rotating polishers, substantially such as described, a combined apparatus, substantially such as is described, one part of which gives to the thread a traversing motion and the other part of which imparts to the thread a combined rolling and traversing motion, substantially in the manner specified.

30,815.—John Hardick and C. B. Hardick, of Brooklyn, N. Y., for an Improvement in Valves:

We claim the valve, *f*, provided with wings, *1* *2* and *3*, and arranged relatively to the ports, *c* *d* and *e*, and operating substantially as and for the purposes specified.

30,816.—R. E. Harte, of Marietta, Ohio, for an Improved Ellipsograph:

I claim the construction and arrangement of a drawing instrument having the ruler or rulers, or parts designed for holding or directing the pencil, attached by means of a universal joint, or joints or pivots equivalent thereto, to a bar which is moveable around and along a rod or spindle held at any required angle to the plane surface upon which the drawing is to be made, and also the combination therewith of the joint or pivot, *g*, the adjustable stem, *F*, the indices, *e* and *h*, the graduated tangent bar, *J*, and protractor, *L*, as shown and operating substantially as described and for the purposes set forth.

30,817.—G. W. Hathaway, of Toga, Pa., for an Improvement in Feed Cutters:

I claim, first, The combination, in the manner specified, of the roller, *h*, and adjustable arch, *g*, with the knives, *k*, arranged and operated as set forth.

Second. The combination of the rockshaft, *f*, its arm, *d*, head, *m*, spring, *e*, and pall, *l*, with the cam, *n*—they all being constructed, arranged and operating in the manner and for the purpose specified.

[This invention consists in the combination of a friction roller attached to an adjustable arch, and arranged above the throat piece, with the knives in feed cutters; and also in the peculiar construction and arrangement of the feeding apparatus.]

30,818.—John Haven, of Boston, Mass., for an Improvement in Insect Shields for the Head:

I claim the described mosquito guard, constructed to operate as described and for the purposes specified.

30,819.—J. P. Hayes, of Hennepin, Ill., for an Improvement in Excavators:

I claim the manner of suspending, adjusting, attaching and propelling plow, driven by steam, and used in the bed of rivers, for the purpose of removing sandbars therefrom.

30,820.—H. St. J. Hilsman, of Madison, Ga., for an Improved Peach Poner and Cutter:

I claim, first, The double knife, *G*—the same being constructed and operated substantially as and for the purpose set forth.

Second. I claim the arrangement of a slide, *a*, serrated spring, *f*, holders, *d* and *e*, and spring, *g* when all shall be used conjointly in the manner described.

30,821.—S. F. Hodge, of Detroit, Mich., for an Improvement in Stamping Mills for Crushing Quartz:

I claim the combination of the eccentric cams, *H* *H*, wedge or V-shaped frame, *E*, and stamper shaft, *D*—the whole being constructed substantially as and for the purposes set forth.

[This invention relates to a novel and improved means employed for elevating the plunger or pestle, and liberating the same at the desired point, whereby a rising and falling movement is given the plunger or pestle with a moderate application of power, and without any undue friction and consequent wear and tear of the working parts. Also, to an improvement in the screen arrangement connected with the mortar, whereby several advantages are obtained.]

30,822.—S. F. Hodge, of Detroit, Mich., for an Improvement in Machines for Breaking Quartz Rock, &c.:

I claim, first, Operating or elevating the pestle rod, *D*, through the medium of the wheels or rollers, *H* *H*, the former one (*H*) being on a stationary rotating shaft, *P*, and the latter (*H*) on an adjustable shaft, *I*, which is actuated by means of a lever, *M*, with any convenient power applied to it, in connection with the springs, *J* *J*, or their equivalents.

Second. The construction of the mortar, *R*, with a central or

ceiving hopper, a*, anvil, T, and descending discharge ports, c*, in combination with a pestle, S, working within the hopper, a*, and operating in connection with the anvil, T, and discharge ports, c*, substantially as and for the purposes set forth.

[This invention relates to a novel and improved means for operating the pestle or hammer, whereby the same may, at the will of the operator, be elevated to a greater or less height before being liberated and allowed to fall, as circumstances may require; also, to an improvement in the construction of the mortar and pestle, whereby the breaking operation is greatly facilitated.]

30,823.—George Hunzinger, of Brooklyn, N. Y., for an Improved Extension Table:

I claim, first, Constructing the leaves of an extension table so as to slide out horizontally from the center and stationary part of the table, as the ends of the said table are extended, substantially as specified.

Second, I claim the arrangement of the cross screw, d, and arms, e*, combined with the cross pieces, k, k, whereby the act of extending the table elevates the leaves ready to be drawn off, as set forth.

Third, I claim the arrangement of the center table top, l, spring, m, and wedges, 12, 12, in the manner and for the purposes set forth.

Fourth, I claim the arrangement of the cross screw, d, nuts, e, e, and cross bars, ff, in connection with the guide bars, g*, g*, that preserve the parallelism of the table in its extension or contraction, as set forth.

30,824.—Hezekiah Conant, of Willimantic, Conn., and L. C. Ives, of Hartford, Conn., for an Improvement in Machines for Dressing Thread:

We claim, first, In combination with a size vat, swinging wipers for making tension and laying fiber, substantially as described, and this we also claim when the wipers are fitted with adjustable weights, substantially as specified.

Second, We claim, in combination with a size vat and a rapidly rotating brush and nippers, or any proper device for preventing the too rapid withdrawal of thread, a constant take-up motion, consisting of friction rollers, or their equivalents, from which thread passes on to the bobbins, or their equivalents, substantially as specified.

Third, We claim, in combination, when arranged in the order described:—1st. A vat for size; 2d. Nippers or wipers, or their equivalents, for removing surplus size and laying fiber; 3d. A steam apparatus, or any equivalent thereof, for the purpose of drying size; and, 4th. A rapidly revolving brush—all acting in combination under a mode of operation substantially such as is described; and we also claim these four elements or parts of a whole apparatus, arranged in the order as described, in combination with a traverse apparatus and a constant take-up motion, or either of them.

30,825.—J. B. Johnson, of Boston, Mass., assignor to John Sparrow, of Portland, Maine, for an Improvement in Pumps:

I claim having the outside cylinder divided into three compartments, G G F, separated by the abutments, D D', which entirely surrounds the moving barrel, A, as shown and described, so that the said cylinder, A, will work in equilibrium.

I also claim the extension of the moving barrel, A, beyond its outer cylinder, so that said cylinder may be operated by the application of proper force to said exterior end—all as shown and described.

I also claim the arrangement of the chamber, N, directly over the suction chamber, F, so as to conduct the water in a direct line to the vacuum chamber—all as shown and described.

I also claim the combination of the barrel, A, with the valve rod, R, as shown and described, so that the stem, eccentric, which drives the slide valve will also operate the barrel, A—all as set forth.

I also claim the employment, within the moving barrel, of the stationary piston head, J, when constructed and operating as and for the purpose shown and described.

30,826.—L. W. Langdon, of Northampton, Mass., for an Improvement in Valves for Oscillating Engines:

I claim the combination of a valve, r, with passages, i' i' and j' j', arranged so as to operate interchangeably, simply by altering the position of r, to conduct either full or exhaust steam, substantially as described, for the purpose of changing the direction of the rotation of the crank.

Also, the combination of the flange, l, when it is made to oscillate with the cylinder, with the stationary chest, f, having ports, i' i' j' j', substantially as described, operating to relieve the cylinder and chest joints from lateral pressure.

30,827.—Thos. Mahoney, of Knoxville, Tenn., for an Improvement in Slide Valves:

I claim the screw threaded sleeve or elongated nut, F, operating in connection with the valve, B, valve rod, D, and stuffing box, G, substantially as and for the purpose set forth.

30,828.—Ebenezer Mathers, of Fairmount, Va., for an Improvement in Fountain Pens:

I claim the use of a hair pencil brush, or other similar arrangement of hair, in contact with a metallic or other writing pen, for the purpose of securing a continuous and spontaneous flow of ink to the pen while writing, arranged and operating in the manner as above, substantially as set forth.

30,829.—A. D. Merritt and Cornelius Kemplen, of Woodstock, Ill., for an Improvement in Supplying Locomotive Engines with Water:

We claim the employment of the inverted truck, D, placed beneath the truck and made adjustable, as described, by means of which truck the engine drivers are raised from the rails, as and for the purpose specified, substantially as described.

30,830.—J. H. Morse, of Peoria, Ill., for an Improved Combination Lock:

I claim the balls, x, or their equivalent, in connection with the slotted wheel, E, and slide, B, working in the manner and for the purpose specified.

30,831.—Andrew Murtaugh, of New York City, for an Improved Dumb Waiter:

I claim the arrangement of the rope, a, and cord, d, in combination with the dumb waiter, B, and tightening arbor, m', constructed and operating as and for the purpose specified.

I also claim the arrangement of the spring dog, m, to operate in combination with the weight, G, and cord, d, substantially in the manner and for the purpose specified.

And I further claim the arrangement of two or more pulleys, f, on the top, and two or more pulleys, i, on the bottom of the dumb waiter, B, said pulleys being placed in a position at right angles to each other, in the manner described, to operate in combination with the cord, d, and rope, a, substantially as and for the purpose specified.

[The object of this invention is to facilitate the raising and lowering of the dumb waiter, and to lessen the danger arising from a breakage of the rope from which the dumb waiter is suspended.]

30,832.—F. H. Naylor and Armistid⁶ Ward, of Niles Township, Ind., for an Improvement in Seeding Machines:

We claim the arrangement and combination of the above described drill roller and planter, the whole being constructed and operating substantially as set forth.

30,833.—T. L. Nickols, of Alexandria, Va., for an Improvement in Constructing Railroad Car Frames with Metallic Joints:

I claim connecting the sills, bolsters, joints, and cross pieces of a locomotive car body or truck frame by metallic joints and bearings, to save the mortising and consequent weakening of said timbers, as described and represented, said bearings having, as their general characteristics, horizontal flanges on top to catch over the pieces with which they are to connect, horizontal ledges below to support the vertical strain and vertical grooves or gains in their sides to prevent lateral movement, and for the purposes set forth.

30,834.—J. G. Pepp, of Vienna, Austria, for an Improvement in Medicated Lotions:

I claim the employment or use of the composition which I term "anatherin water," and which consists of the described ingredients mixed together in about the proportion and for the purpose specified.

[This composition is of peculiar value for cleaning the teeth; it serves in all cases where a tartareous deposit begins to form; it restores the teeth to their primitive color; it preserves artificial teeth; it soothes and removes rheumatic pains, and, in short, it can be used with advantage for the cure of all affections of the mouth and teeth.]

30,835.—Adam Pritz, of Dayton, Ohio, for an Improvement in Rakes for Harvesters:

I claim, first, The peculiar manner described of arranging the hinged independent reel arms, G, for operation in connection with the centrally pivoted rake arm, A, A, and undulating cam, H, substantially as and for the purposes set forth.

Second, By combining with the ordinary set screw, W, and slotted brace, Y, an auxiliary adjustable slotted wing, U, and a set screw, X, substantially as and for the purposes set forth.

Third, The arrangement (with the centrally pivoted rake arm, A, A, center shaft, C, cam, H, and flanged hub, I, J, independent reel arms, G, G, circular platform, K, pivoted reel bar, T, and rakes, Q, and adjusting braces, Y) of the slotted wings, U, and set screws, X, substantially as and for the purposes set forth.

30,836.—J. H. Rankin, of Versailles, Mo., for an Improvement in Corn Planters:

I claim the valves, j, k, spring, n, shaft, K, and arms, g, g, when arranged and operating together, substantially in the manner and for the purpose described.

30,837.—J. G. Robinson, of Biddeford, Maine, for an Improvement in Plows:

I claim the arrangement of the arm, b, slotted pendant, C, and axle, A, with the plow frame, G, adjustable bar, J, and adjustable lever, K, as and for the purposes shown and described.

[This invention consists in a peculiar manner of attaching a plow frame to an axle tree, whereby the former may be adjusted so as to gauge the depth of the furrows as may be required, and also admit of the plow frame having a self-adjusting movement, so that the plows may conform to the inequalities of the surface of the ground, and also be capable of being thrown out of the ground when required. The invention also consists in the employment or use of an adjustable axle, so arranged that the arms of the two wheels may be adjusted in different planes, and one wheel allowed to pass over the land and the other in the furrow, and still preserve the horizontality of the machine or the proper position of the parts.]

30,838.—D. G. Rollin, of New York City, for an Improvement in Spiral Hoop Skirts:

I claim making a spiral hoop skirt in sections with any suitable number of successive hoops, each section placed right and left to the other, substantially in the manner and for the purpose described.

30,839.—C. A. Rose, of Columbia, Ala., for an Improvement in Cotton Seed Planters:

I claim the described arrangement of the share, E, bent arms, F, axle, G, wheels, H, bars, b, hopper, I, hinged coverer, L, M, and seed box, N, the said parts being constructed and combined in the manner and for the purposes set forth.

[This invention consists in the employment or use of a bi-conical seed barrel, provided with a perforated strap, in connection with a swinging or rising and falling coverer and a furrow share, all being attached to a suitable beam, to form a simple and efficient implement for the desired purpose.]

30,840.—Anson Rowc, of Atalissa, Iowa, for an Improvement in Grain Riddles:

I claim the construction of the riddle with a reclining board, D, and casts, B, arranged longitudinally with the course of the grain, and the wires sunk into the edges of said rests and into the face of the frame, and otherwise made as shown and described, for the purposes set forth.

30,841.—Robert Schone, of New York City, for an Improvement in Time Registers:

I claim the arrangement of the lip, e', on the spout, c, in combination with the cavities, d, c, notched movable disk, G, inclined circular channel, H, and drawer, I, constructed and operating as and for the purpose specified.

30,842.—S. J. Shaw, of Marlborough, Mass., for an Improvement in Shirt Bosom Expanders:

I claim a shirt bosom expander, constructed substantially as described, and its arrangement and combination with a shirt bosom, in manner and for the purpose specified.

30,843.—Eben F. Starr, of New York City, for an Improvement in Revolvers:

I claim, first, The construction of the upper piece, A, with the two cheeks, i, to hook or lap over the back of the piece, B, on opposite sides of a tenon, e, provided on the latter, and to receive a pin, g, passing also through said tenon, substantially as described.

Second, I claim the arrangement of the ratchet wheel, H, with the cylinder, G, arbor, l, and screw, k, as and for the purposes shown and described.

Third, I claim the arrangement of a collar, m, with the arbor, l, barrel, G, and cylinder, G, as and for the purposes shown and described.

Fourth, I claim applying the springs, 14 and 16, of the cocking and revolving dogs within a circular groove, 17, in one side of the hammer butt, substantially as described.

Fifth, I claim constructing the cocking lever with two teeth or projections, 20 and 21, arranged substantially as described, the one to lock the cylinder while the firing is effected by the trigger, and the other to lock the cylinder while it is fired by the said lever, as described.

Sixth, I claim making the channel guide with two distinct depressions or concaves, 25 and 26, one within the other, so as to guide the fingers in capping, all as set forth.

[This invention relates to revolvers having their chambers or bores arranged parallel with each other and with the axis about which they revolve. It consists in an improved construction of the frame which contains the chambered cylinder, whereby provision is made for opening it for the purpose of removing and replacing the cylinder, and whereby, when it is closed, it is made very strong and rigid. It also consists in a certain construction and mode of applying the central shaft of the chambered cylinder for the purpose of preventing the said cylinder from coming into contact with the rear end of the fixed barrel in its revolution, and of securing the said shaft in place. It also consists in an improved mode of combining the cocking lever with the hammer to effect the cocking only, or the cocking and firing, by means of the said lever. It also consists in applying the springs of the cocking and revolving dogs within a circular groove in one side of the hammer butt, where they occupy no other available room in the lock. It also consists in so constructing the cocking lever that the said lever may be capable of locking the cylinder by its backward movement when firing is effected by the said lever, and of locking it by its forward movement when firing is effected by

the trigger. And it further consists in providing for the easy application of the percussion caps to the nipples by making, in the stationary recoil plate or shield on that side of the piece where the caps are to be applied, a double guide channel, that is to say, a wide channel to guide the forefinger, and a narrower one to guide the caps to the nipples.]

30,844.—Enoch Thomas, of Beverly, Va., and W. K. Hall, of Phillipa, Va., for an Improvement in Hydraulic Engines:

We claim the arrangement of a swinging gate, A, B, and concentric shaft, D, in combination with a swinging valve, F, F', and curved abutment faces, E, E', H, H', all being arranged and operated substantially in the manner and for the purpose set forth.

30,845.—Horace Tupper, of Buffalo, N. Y., for an Improvement in Railroad Switches:

I claim the arrangement of the guards, D, D, made reversible and with one point fitting in a V-groove in the rail with the snails, H, H, and the rails, A, A', the several parts being constructed in the manner and for the purpose specified.

30,846.—F. J. Vittum, of Chelsea, Mass., for an Improved Hand Machine for Pegging Boots and Shoes:

I claim a movable "center," in combination with the awl and peg driver, operating as described, for the purpose specified.

30,847.—A. J. Watts, of Utica, N. Y., for an Improvement in the Manufacture of Dentists' Crystalline Gold:

I claim the crystal gold described, obtained by a process substantially as specified.

30,848.—Luther Wentworth, of Burlington, Iowa, for an Improved Apparatus for Elevating Water:

I claim supporting the vertical shaft, E, of the wind wheel of said apparatus upon the dish-shaped turn table, D, when the said table is made to close an opening in the base plate, A, which is surrounded by the annular trough, g, and when the endless series of connected buckets, s, s, are made to pass up and down through apertures in the said dish-shaped turn table, all substantially as set forth.

I also claim combining the shaft, h, of the described wind wheel with the hinged vanes, v, v, when the springs, d, d, and the weight, q, are combined with the said hinged vanes, and when the said wind wheel is made to operate the series of connected buckets, s, s, substantially in the manner set forth.

30,849.—Smithwick Whitley, of Tallahassee, Fla., for an Improvement in Plows:

I claim the arrangement of the circular pivoted adjustable share foot, D, with the beam, A, pivoted adjustable bar, F, and standard, C, as and for the purposes shown and described.

[This invention relates to an improvement in that class of plows which are used for the cultivation of crops grown in hills or drills, and are commonly termed shovel plows. The invention consists in attaching the share to a curved foot which is fitted in the beam, and has an adjustable bar attached to its lower end and to the standard of the beam, whereby the "set" of the share may be altered to penetrate the earth to a greater or less depth, as may be desired.]

30,850.—Simon Wing, of Waterville, Maine, for an Improvement in Photographic Cameras:

I claim a mechanism for moving the plate holder, H, in combination with an index for defining its position, operating substantially in the manner described.

Second, I claim the mechanical means described, or its substantial equivalent, for varying the position of the lens tubes, a, b, c, d.

30,851.—G. W. Woolley, of Philadelphia, Pa., for an Improvement in Fountain Pens:

I claim an ink-holding and controlling reservoir, v', for writing pens, constructed and applied within the concave of the pen, substantially in the manner and for the purpose set forth.

30,852.—J. R. Byler, of Salisbury township, Pa., assignor to himself and H. W. Black, of Lancaster county, Pa., for an Improvement in Rakes for Reaping Machines:

I claim the arrangement of the upright slide, B, with its lever arm, E, peg, M, and headed pins, b, in connection with the lever arm, R, I, and turning shaft, H, and operated by the rod, G, and cam, N, in the manner described, for the purpose specified.

30,853.—J. S. Gallaher, Jr., of Washington, D. C., assignor to Edwin Chambers and Cyrus Chambers, Jr., of Philadelphia, Pa., for an Improvement in Machines for Folding Paper:

I claim, first, The construction and use of traversing grippers or their equivalents, connected with moving endless belts, for the purpose described, irrespective of any special arrangement or combination of the same or mode of operating them.

Second, I claim the use of the traversing cam or their equivalent, in combination with moving endless tapes or bands, whether arranged as fixtures or as adjustable devices, for the purposes set forth.

Third, I claim the vibrating pendent counterpoised folding blades or their equivalents, irrespective of any special manner of arranging or operating the same, as described and shown.

Fourth, I claim the creasing collars on the rollers or cylinders constructed and operating substantially as and for the purpose specified.

Fifth, I claim the adjustable graduating fork device, W X X X, X, or its equivalent, for the purpose as set forth, constructed and operating substantially as described.

Sixth, I also claim the invention of the automatic packing box or paper receptacle, b2, when constructed and operated substantially in the manner set forth and shown.

30,854.—J. W. Hardie (assignor to J. H. Stevens), of New York City, for an Improvement in Sewing Machines:

I claim the method of communicating the vibratory or swinging movement to the thread guide, G, by means of the bent elastic rod, E, in combination with the cam, f, on the driving shaft, substantially as set forth.

30,855.—Edmund Maher (assignor to himself and M. M. Wilcox), of New York City, for an Improved Harness Trace:

I claim the described new and improved article of manufacture—the same being an elastic harness trace formed of a textile fabric composed of the materials and substantially in the manner set forth.

30,856.—J. J. Marcy (assignor to Edward Miller), of Meriden, Conn., for an Improved Device for Securing Lamp Chimneys:

I claim the combination of the two simultaneously-acting hooked levers, C, D, with each other and with the lamp top, in the manner shown and described.

[The object of this invention is to obtain a simple and efficient device for securing the chimney on the lamp top, so that the former cannot be casually detached from the latter, and at the same time be readily secured on the lamp top and removed therefrom. The invention consists in having two or more hooks formed at the ends of levers secured to the under side of the upper part of the lamp top, and arranged in such relation to a spring as to effect the desired object.]

30,857.—James Martin, of Toronto, Canada, assignor to himself and J. E. Thomson, of Buffalo, N. Y., for an Improvement for Super-heating Steam for Locomotive Engines:

I claim, first, The combination and arrangement of the flues, R, with the steam chambers, A, for the purposes and substantially as described.

Second, I claim the annular chamber, S, in combination with the steam chambers, A, flues, R, and pipes, B, for the purposes and substantially as set forth.

30,853.—H. T. Pratt, of Fitchburg, Mass., assignor to himself, A. Davis and C. E. Pratt, of same place, and H. C. Crehore and C. T. Rogers, of New York City, for an Improved Folding Chair:

I claim the legs, A A B B, and seat, D; the latter being attached to the former by hinges or joints, b b c c, and the legs, A, provided with slots, d, to receive pins, e, of the legs, B B, substantially as and for the purpose set forth.

[The object of this invention is to obtain a chair that may be folded compactly and be provided with a cane or other stiff bottom. There are chairs constructed to fold quite compactly, but these chairs have a flexible seat composed of webbing, carpet, or other textile fabric. By this invention, a chair may be folded equally as compact as those provided with flexible bottoms, and they have all the advantage of an ordinary cane-seated chair or one upholstered in any of the known ways.]

30,859.—Henry Warren (assignor to Henry Beebe), of Hoboken, N. J., for an Improved Foot Scraper and Brush:

I claim the arrangement of the laterally-sliding, curved brushes, F F, and springs, g g, with the brackets, D, scraping blades, B B, and fixed brushes, C C, as and for the purposes shown and described.

[This invention consists in a novel form and arrangement of brushes for the heel, toe, and both sides of the shoes, in combination with scraping blades for the soles of the shoes.]

30,860.—John Wind (assignor to himself and T. I. Bottom), of Thomasville, Ga., for an Improvement in Machines for Husking and Shelling Corn:

I claim the arrangement of the circular saw, a, auger saw, b, and spiral revolving husker, C, in combination with the conveyor band, c, and sheller, E, substantially in the manner described and for the purposes specified.

RE-ISSUES.

H. A. Burr, of New York City, assignee, through mesne assignments, of H. A. Wells, deceased, for an Improvement in Manufacturing Hat Bodies. Patented April 25, 1846. Re-issued October 7, 1856. Extended for 7 years from and after April 25, 1860, and again re-issued December 4, 1860:

I claim the mode of operation, substantially as herein described, of forming hats of fur fibers of the required varying thickness from the hat to the tip, which mode of operation results from the combination of the rotating picking mechanism, or the equivalent thereof, of the pervious former and its exhausting mechanism, or the equivalent thereof, and the means for directing the fur-bearing current, or the equivalent thereof, as set forth.

I also claim the combination of the rotating picking mechanism, or the equivalent thereof, the pervious former, with its exhausting mechanism, and the lower deflector, substantially as described, to regulate the deposit of the fur fibers on the lower part of the former, as described.

I also claim the combination of the rotating picking mechanism, or the equivalent thereof, the pervious former, with its exhausting mechanism, and the means described, or the equivalent thereof, for inducing a current of air to aid in carrying and giving direction to the fur, and insuring its proper deposit on the surface of the pervious former, as required, as set forth.

H. A. Burr, of New York City, assignee, through mesne assignments, of H. A. Wells, deceased, for an Improvement in Machinery for Making Hat Bodies. Patented April 25, 1846. Re-issued September 30, 1856. Extended for 7 years from and after April 25, 1860, and again re-issued December 4, 1860:

I claim the combined process of forming fur hat bodies by depositing fur fibers to a suitable thickness on the surface of a pervious former of the required shape, and holding them thereon by the pressure of the surrounding air as they are deposited and then hardening or partially felting the hats formed, and while it is held by suitable pressure on to the surface of the former to give it the required consistency to admit of removing it therefrom in a suitable condition for the after process of sizing by felting, as set forth.

Joseph Jordan, Jr., and Henry Keney, of Hartford, Conn., and Grant, Warren & Co., of Boston, Mass., assignees of Joseph Jordan, Jr., and Thomas Eustice, of said Hartford, for an Improvement in Machines for Grinding and Sizing Paper Pulp. Patented May 18, 1858:

What we claim as our improved machine for the manufacture and sizing of pulp, that is, as constructed of a single conical grinder and outer shell, and with pipes for the introduction of the rags and the size, and the eduction of both, arranged with reference to the axis and ends of the grinder substantially in manner and so as to operate for the purpose of reducing the rags to pulp and mix the sizing therewith, as hereinbefore explained.

We also claim the introduction of the sizing into the grinder case and directly between the reducing surfaces when employed as specified in the grinding of pulp or material used in making paper.

Jesse Reed, of Marshfield, Mass., assignor to Catharine M. Hunt, of Boston, Mass., for an Improvement in Steering Apparatuses. Patented March 6, 1855:

I claim the arrangement and combination of the adjustable guide, and guard rails, M M, with the screw shaft or its mechanical equivalent, and its slides or two divisions of the nut, I.

I also claim the application of the pedestals to their stanchions by means substantially as described, for enabling the pedestals and puts supported by them to move either for and aftwise or up and down under the action of the rudder, as specified.

ADDITIONAL IMPROVEMENTS.

William Sims, of New York City, for an Improvement in Refrigerators. Patented February 8, 1859:

I claim the induction pipe, B, in combination with the escape pipe, C, and fan, E, when applied to a refrigerator, to operate essentially as and for the purpose set forth.

[The object of this invention is to augment or increase a circulation of air through the refrigerator, and thereby render the same more efficient than hitherto.]

Asbury Wilkinson, of Shelbyville, Ind., for an Improved Washing Machine. Patented September 20, 1859:

I claim sliding bar, c, attaching thereto spiral springs, b b b b, and cord, D', circular board, B, suspended by spiral springs, b b b b, with a rotary corrugated roller, in combination with pulleys, i i, &c., ketch, F, ratchet wheel, m, segment, H, cog wheel, N, as set forth and described.

DESIGNS.

Zebulon Hunt, of Hudson, N. Y., for a Design for a Stove.

C. J. Woolson, of Cleveland, Ohio, for a Design for Doors of Cooking Stoves.

C. J. Woolson, of Cleveland, Ohio, for a Design for a Stove Plate.

Isaac De Zouche (assignor to Bridge, Beach & Co.), of St. Louis, Mo., for a Design for Stoves.

C. T. Meyer, of Boston, Mass., assignor to Alden Sampson, of Manchester, Maine, for a Design for Floor Cloths.



G. P., of N. B.—Hollow grate bars are now being employed in several locomotives, and no difficulty is experienced, we have been told, in maintaining the circulation in them. You will find the illustration of hollow grate bars for furnaces on page 394, Vol. III. (old series), of the SCIENTIFIC AMERICAN.

P. B. C., of Va.—"Morritt on the Art of Tanning" was published by H. C. Baird, of Philadelphia, in 1852. It does not contain the latest American patents.

J. B., of Ill.—Parchment requires to have all the grease extracted from it, for the purpose of writing. It is therefore steeped in milk of lime during its preparation, to effect this object. The bright red color on morocco is dyed with cochineal, a little muriate of tin and cream of tartar. Carmine dissolved in aqua ammonia makes a beautiful red on leather, when applied with a sponge. Red Russia morocco is imported.

O. C. S., of N. Y.—If B knows that A was a previous purchaser, then B has no claim upon A's territory. In view of such knowledge, the fact of the non-recording of A's assignments gives B no right to A's territory. The papers have been forwarded to W. D.

H. B. M., of N. Y.—The pressure on the bottom of a vertical pipe one inch in diameter and 25 feet long, filled with water, will be 8.5 lbs. A 2-inch column of water will exert precisely four times the pressure of a 1-inch column, both being of the same height. The pressure of the atmosphere on the surface of a 1-inch circle is 11.78 lbs, which, added to the pressure of the water in the 1-inch pipe, makes 20.28 lbs. A brick wall will be preserved from the effects of the heat of a fire, when the same is kept wet all the time during the fire.

J. H. N., of Tenn.—You are correct in stating that the cause of difficulty in telegraphing during wet weather is owing to the absorption of electricity by the moisture; but insulated wires (those coated with gutta-percha) are not patentable as a preventive of the evil, because such conductors have been frequently used already. You are mistaken in supposing water to be the best conductor of electricity. Pure rain water is a very poor conductor; it is to copper wire as 1 to 40,653,000, according to Mr. Farmer, of Boston, who has made many experiments on the resistance of substances to the electric fluid.

S. & Co., of Conn.—You can obtain all kinds of steel from Sanderson, No. 16 Cliff-street, this city—a Sheffield house.

F. A. W., of Ky.—There will be no difference in the quality of corn for feeding hogs, whether it be first ground and then boiled, or whether it is first boiled and then crushed between rollers. The employment of a tank with a false bottom, placed above a steaming kettle, for cooking food for animals, is an old and useful arrangement, and should be more generally used by farmers. You cannot obtain a patent for your arrangement of boilers and crushing rollers, as the system is old.

G. H., of N. Y.—The best varnish known to us for coating bright iron, to prevent it from rusting, is clear copal; it contains oil and is not liable to crack. The metal cadmium is rare but may be obtained in this city. Sheet copper cannot be welded into a mass, like iron. We are much obliged to you for your kindness in sending us a club of subscribers.

D. N. T., of Ga.—Instead of "awaiting the turn of events," as you term it, we think your apprehensions should stimulate you to make an application for a patent immediately, while you are required to pay only \$30 for government fee. You need not fear but that the rights of a patentee will be ever respected, let the inventor reside where he will. The rights of French and English citizens and all other foreigners who have taken patents in this country are just as much protected under our laws as the rights of the patentee who resides in Washington city. To be sure, the right to this protection has cost the Englishman and Frenchman more than it has the resident of Washington city (the government fee being, in the first case, \$500, in the next, \$300, and in the last, only \$30), but the law that protects the one in the peaceable enjoyment of his property—patent—protects all, and after the patent is granted, all are on an equal footing.

H. C., of N. C.—Our new volume will commence in two weeks. We are glad to know that you are forming a club in your town. In a few days we shall issue an edition of the Patent laws and information upon all subjects connected therewith. Inventors, patentees and assignees will find it an indispensable work for their use.

S. H., of Ga.—You can procure such brass castings as you want, of George Pollock, of this city. We can recommend S. C. Mills, No. 12 Platt street, this city, as a reliable dealer in machinery.

A. T., of N. Y.—The plan of steaming wood to season it has been long practiced in this country. By calling at this office, you will be able to learn all you want to know about our patent laws and about the patentability of your inventions.

H., of Pa.—You ask:—"Would a shaft support a greater weight, hung on the middle, when rapidly than when slowly revolving?" Answer.—"It would not."

N. T., of N. J.—There is no single work known to us which contains illustrations of all kinds of machinery. Uré's Dictionary of Arts and Manufactures will, perhaps, come nearest the kind of book which you want.

J. L., of Pa.—Your article on Pittsburgh and its steel manufactures has been received and will meet with attention.

P. J. K., of Wis.—It is well known, according to the discovery of Sir Humphrey Davy, that a piece of zinc soldered to a piece of iron prevents the latter from rusting. The zinc corrodes, and in doing so establishes an electric action which protects the iron, as you have described. You could not obtain a patent for such a discovery.

C. C., of Ohio.—We do not think there is any chance for a patent on your grain separator. The same device is covered by Sanders' patent. We advise you to make a model of your grain dryer and send it to us, as we think it contains patentable features. Sneed's patent does not embrace the same elements.

D. F., of N. Y.—We are afraid that india-rubber balls would not answer for the valves of pumps in tanneries. The tanning liquors would be liable to affect the india-rubber by coating its surface. Some of the rubber companies, however, might agree to make suitable valves for you.

W. O. H., of Pa.—We do not know of any better mode of pulverizing rosin than to pound it in a mortar and screen it through a sieve. The blows should be light, so as not to make the rosin stick to the crusher. In grinding it between stones, the stones should be light and have a rapid rotation.

MONEY RECEIVED

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, Dec. 8, 1860:—

J. C. G., of Cal., \$272; E. M., of N. Y., \$45; H. H. R., of N. Y., \$35; W. W., of Ala., \$30; H. H., of Pa., \$30; A. F. F., of Vt., \$25; C. H. D., of Ill., \$30; J. B. C., of N. Y., \$30; C. J., of N. Y., \$30; W. R., of Mo., \$25; H. V., of Texas, \$30; A. A., of N. Y., \$20; B. & C., of Ohio, \$30; F. M. B., of Wis., \$30; E. & H., of N. J., \$25; T. S. W., of Pa., \$55; A. J. G., of Mass., \$30; W. W. H., of N. Y., \$30; P. P. S., of N. J., \$25; G. J. C., of Vt., \$25; O. S., of Conn., \$30; I. W., of Mass., \$62; J. V. F., of Pa., \$55; L. J. W., of S. C., \$30; T. J. F., of Ill., \$23; J. H. W., of N. Y., \$30; H. P. G., of Pa., \$50; E. L. G., of Conn., \$30; W. F. G., of N. Y., \$30; N. McC., of N. Y., \$12; A. R., of N. Y., \$20; A. F., of Ill., \$32; J. R. B., of R. I., \$25; B. & M., of Ill., \$25; C. T., of Va., \$25; J. S., of Texas, \$30; E. M., of N. Y., \$25; J. N. P., of N. Y., \$25; G. C., of N. Y., \$35; A. B. A., of Pa., \$25; L. A. B., of France, \$335; F. B. P., of Mo., \$35; C. O. L., of Vt., \$30; W. H. G., of N. Y., \$30; W. Y., of Ind., \$25; O. C. T., of Pa., \$30; E. C., of Mass., \$375; D. C. S., of N. Y., \$30; C. A., of Ill., \$25; F. B., of Mass., \$32; J. T. S., of Wis., \$30; G. F. J. C., of N. J., \$30; E. B. B., of N. Y., \$25; J. H. D., of Mich., \$25; J. E., of Cal., \$10; C. S. H., of N. Y., \$25; R. B. B., of Pa., \$25; P. R., of Ill., \$15; C. H. S., 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, Dec. 8, 1860:—

L. A. B., of France; W. W., of Ala.; H. H. R., of N. Y.; W. W. H., of N. Y.; J. W. G., of Pa.; J. N. P., of N. Y.; T. B. J., of Ill.; J. H., of England; S. H. D., of Mich.; T. J. F., of Ill.; J. R. B., of R. I.; C. C., of N. Y.; A. G. M., of N. Y.; E. M., of N. Y.; F. B. P., of Mo.; T. K., of N. Y.; W. R., of Mo.; N. McC., of N. Y.; J. J. D., of N. Y.; S. & J. H. B., of Mo.; C. R., of France; E. B. B., of N. Y.; B. & M., of Ill.; P. P. S., of N. J.; F. B., of Mass.; J. P. S., of N. Y.; I. W., of Mass.; W. H. S., of Pa.; C. H. S., of N. Y.; C. A., of Ill.; W. Y., of Ind.; J. H. W., A. F. F., of Vt.; H. & M., of Ohio; C. T., of Va.; C. S. H., of N. Y.; G. C., of Maine; P. R., of Ill.

NEW BOOKS AND PERIODICALS RECEIVED.

MESSRS. APPLETON & Co., the well known publishers, Nos. 443 and 445 Broadway, this city, have just issued "New Fairy Stories for My Grandchildren," by George Keil; "A Year with Maggie and Emma," "A True Story," by Mary J. McIntosh; and "The Young American Picture Gallery," containing 500 beautiful engravings. All who love to make children happy, and delight to see their eyes sparkle with joyous glees, will find the above books exactly suited to produce these results.

FRANK LESLIE, publisher of the "Illustrated Newspaper," publishes also "Frank Leslie's Monthly," a magazine of literature, art and fashion; profusely illustrated.

HOUSEHOLD JOURNAL. Monthly part. By Alex. Hathill & Co., No. 20 North William-street, this city. This enterprising firm are now issuing two useful journals, and are evidently prospering in their business. The "Household Journal" is an interesting family paper, at \$1.50 a year. Monthly parts, 12 cents.

ATLANTIC MONTHLY. By Ticknor & Field, Boston. The number for December is full of able contributions. This magazine has a high rank.

AGRICULTURE must not be overlooked. Our neighbor, Charles V. Mapes, has issued a splendidly illustrated catalogue of all sorts of agricultural implements. It is a work of interest to all who are engaged in this noble pursuit.

CENTRAL PARK. C. M. Saxton Barker & Co., Park-row, have published a cheap, yet beautiful guide to the most remarkable enterprise of the kind ever undertaken in America, viz., the Central Park, in this city. Our neighbor, Saxton, who loves to make people happy, will be most happy to sell everybody a guide book. He has also a large stock of all sorts of agricultural works always on hand.