



[Reported Officially for the Scientific American.]
LIST OF PATENT CLAIMS
Issued from the United States Patent Office
FOR THE WEEK ENDING JULY 29, 1856.

SHUTTER OPERATOR—James R. Craighton, of Boston, Mass.: I claim the attachment of the serrated tumbler catch, T, to the slide, Q, said catch meshing or interlocking with a similarly serrated or toothed surface, opposed, R, on the side of the slide box or frame box, E, in combination with the square extension, U, and guides, S S', by which I am enabled to operate the outside blinds or shutters of a house from the inside of the same, and to secure said blinds or shutters in any desired position, without the liability of their dislodgment from the outside, unless by the exercise of unusual violence.

CHURNS—W. H. Burnham and B. Hibbard, of Portland, N. Y.: We claim our improved churn dasher, composed of two independent frames combined with each other and with the operating lever, substantially in the manner set forth.

METAL PLANERS—E. C. Cleveland, of Worcester, Mass.: I claim the friction box, J, attached to the shaft, I, as shown, and provided with adjustable dogs, o, o, the box, J, being connected with the shaft, H, by the gearing, j, f, and operating conjointly with the gearing, E, F, b, and pawl, a, on the shafts, c, c, H, and the arm, h, which projects over the box, J, as shown, for the purpose specified.

SAWING MACHINERY—A. S. T. Copeland, of Pittsburgh, Pa.: I do not claim that attaching a saw to pitman is new. Nor do I claim the muley saw, gate, or gash spring, pole or levers, crank pins set in balance wheels, or any other connections on old principles. But I claim the saw heads, H, and saw strainers, S S, and the combination of said saw heads and strainers with the screw nuts, N, N, and screws, Q, Q and m, in any manner substantially the same as shown and described for the purposes set forth.

Also the attaching of saw heads to pitman in any manner substantially the same as shown and described, for the purposes set forth. Also the combination of belt reversers, 2 and 3, with the mechanism for starting and stopping saws and reversing pitman and circular saw shaft, in any manner substantially the same as shown and described, for the purposes set forth.

Also the combination of belt reversers, 1 and 2, and 2, 3 and 3 and 4, operating in the manner shown and described, for the purposes set forth. **HARNESSES FOR WEAVING SEAMLESS BAGS**—Algeron L. Cole, of Windham, Me.: I claim the application to weavers harnesses of addition of one row of headle eyes—making two rows instead of one upon each leaf of harness—as described, or any other substantially the same.

PEGGING JACKS—Alfred Bailey, of Amesbury, Mass.: I claim, first, the application of a spiral or other spring, c, substantially as I apply it to hold the last, L, firmly in its place, and at the same time allow the head pieces, E and F, to be put in any desired position without readjusting the last, L, or spring, c. Second, the arrangement by which the vertical head, E, may be turned vertically above the axis upon which it turns horizontally, in the manner and for the purpose substantially as described.

FOLDING TABLES—C. D. Barnitz, of Baltimore, Md.: I claim the movable braces and supports, B, which, when in a horizontal position, brace firmly the legs in an upright position, and also give support to the lid, A, and when turned into a vertical position permit the legs to close in against the undersurface of the table.

RAKING APPARATUS OF CORN AND CANE HARVESTERS—John Watson, (assignor to himself and Martin H. Batson,) of Triadelphia, Md.: I claim in combination with the endless rake belts, L, L', passing under and over the platform, and thence over the pulleys, K, K', the shield, M, placed between them, when said shield receives the corn or cane from the rakes at their highest elevation, and conveys it into a wazon or other receptacle alongside, substantially as set forth.

CUTTING APPARATUS OF CORN AND CANE HARVESTERS—John W. Batson (assignor to himself and M. H. Batson,) of Triadelphia, Md.: I claim the double angled V-shaped cutters, composed of strips and under supports, substantially as represented and for the purposes set forth. I also claim hanging said cutters to a pivoted bar, so that they may be raised up out of cutting position when the machine is drawn through the stubble, to prevent their catching against the previously cut cane or corn, as set forth.

SAWING STONE IN TAPER FORM—H. J. Behrens, of New York City: I do not claim giving the saw a compound motion irrespective of the means. But I claim giving to a saw placed in a line inclined to the line of motion of the saw frame a lateral motion, independent of the motion of the frame, or at right angles to the line of motion thereof, by means of the several devices, substantially in the manner and for the purposes set forth.

SOLAR SALT EVAPORATION—J. F. Boynton, of Syracuse, N. Y.: I claim the use and application of the covers, B, for the pans, A, for the evaporation of salt water by solar influence, in the manner specified.

FOUNTAIN PEN—Austin G. Day, of Seymour, Conn.: I claim the sliding feed tube having an aperture near its upper end whence the ink flows when the pen is in use, the aperture being closed and the ink excluded from the feeding tube by drawing it downwards into the lower end of the ink chamber.

I also claim the combination of the air hole or vent with the sliding feeding tube, the enlarged end of which closes the vent hole when the feeding tube is drawn down, to stop the flow of ink to the pen.

PYROGENOUS LUBRICATING OILS—Samuel Downer and Joshua Merrill, of Boston, Mass.: We disclaim the use of all mixtures in which caoutchouc is diffused with out its chemical state being altered; and we confine the application of our discovery to the improvement of the qualities of the lubricating oils from coals, coal tar, and bitumens solely. Our improvement of these oils depends upon the perfect solution in them of small portions of bitumens of the elastic kind, caoutchouc or gutta percha, so as to prevent them from passing off in currents of air at common temperatures without diminishing their lubricating qualities in the slightest degree. What we claim, is the improvement of dissolving elastic bitumens, caoutchouc or gutta percha in the pyrogenic oils used as lubricators, substantially as set forth.

SAWING MARBLE—Lewis S. Fisher, of Waynesboro', Pa.: I claim operating the saws, f, f', by racks, e, e, and cog wheels, d, in combination with the guides, z, z and m, when arranged and operated in the manner and for the purposes set forth.

FORE AND AFT RIG OF VESSELS—George W. Geran, of Brooklyn, N. Y.: I claim constructing the main sail, A, as shown, and having the lower end of the topall, D, attached to the outer end of the boom, B, substantially as shown and described.

BAKE OVENS—John P. Hayes, of Philadelphia, Pa.: I claim the heating flues, B, B, arranged as described, that is, so as to cause the production of steam from the fire chamber below first into the lower flue, B, at I, thence into the partition, f, and out at I', thence into the next flue, B, above at 2, and out at 2', and so on, as shown by the arrows through the successive flues which may be above to the escape flue, G, the said flues, B, being arranged on the two sides of the casing, as described, and divided by the partition, e, and the products of combustion being directed thereby, together with the partition plates, f and g, in the wall, substantially as described.

SUGAR EVAPORATORS—Samuel H. Gilman, of New Orleans, La.: I claim the combination of the long kettle, B, C, with the train of kettles, L, M, N, O, R, and pipe, S, the serpentine channel, T, U, V, and the fire flues, A, D, E, K, in the manner and for the purposes specified. Second, the combination of the troughs, F, G, H, I, and J, with the train of kettles, L, M, N, O, R, and the long kettle, B, C, in the manner and for the purposes specified.

DEVICES IN STAVE MACHINERY—Charles Hoyt, of West Aurora, Ill.: I do not claim the cylinders, R, R', for dressing the stave, for they have been previously used. But first, I claim adjusting the staves, T, in line with the feed rollers, H, H, and jaws, I, I, by means of the sliding bed or plate, and laterally sliding plates, G, G, arranged as shown and described. Second, I claim the feeding block, E, when operated by the spring, e, lever, F, and eccentric, o, substantially as shown, for the purpose of feeding the staves to the cutters.

STEAM BOILER FURNACES—E. T. Ingalls, of Haverhill, Mass.: I claim the improvement in steam boilers which consists in arranging a fire pot of sufficient depth to contain a large quantity of fuel, within, or about and underneath the boiler placed concentrically therewith, in such a manner as to keep the fuel which is in contact with the lower part of the furnace in a full state of combustion always, as set forth.

PATCHING RIFLE SHOT—Ralph Henry Isham, of Greenwich, Conn.: I claim the use of a leaden ball or bullet of any desirable form with a metallic case or coating of brass or other firm metal in its whole or in part, whether plated, washed or galvanized, or by whatever mechanical device the coating or partial coating may be effected, for the use and objects of this invention, as set forth.

CORN PLANERS—James D. Jeffers, Joseph Sparks, and John H. Jeffers, of Philadelphia, Pa.: We do not claim the tubes, H, H, nor do we claim operating inclined planes and vents together in a corn dropping box, irrespectively of the peculiar construction and arrangement of the same, as described; nor do we confine our claim to any number of boxes, A, upon one carriage, nor to any number of dropping vents in each box. But first, we claim the moving inclined planes, I, and spring, C, when constructed and combined so as to operate together within the grain adjusting recesses, E, E, substantially and for the purposes set forth. Second, we claim the stationary inclined planes, D, D, when operating in combination with the said recesses, E, E, substantially and for the purpose set forth.

CLAMP FOR PLUMBERS—F. R. Langwith, of New York City: I claim the combination and arrangement of the clamp box, A, B, the clamping levers, C and H, when either is used, and also in combination therewith the screws for adjusting the cock in a proper position during the process of soldering with the main pipe, when arranged and operating substantially as described.

PRINTING PRESS—S. W. Lowe, of Philadelphia, Pa.: I do not claim the employment of a cone-shaped roller for giving impressions, well knowing that the same has been employed before. But I claim, first, adjusting the conical roller, F, by means of the screw, k, as specified. Second, the radiating lever, C, with its conical roller, F, in combination with the tympan and its spring, x, the whole being arranged substantially in the manner and for the purpose set forth.

STAVE MACHINE—John McMurry, of Fayette Co., Ky.: I claim the combination of the endless carrier, or its equivalent, with the undulating bed or bearing, and the combination of these two devices with the planer, for dressing the outer surface, and beveling the two edges to suit any size oak required, in the manner substantially as set forth.

Second, I claim the obtuse joint in the endless chain, B, B, at the carrying wheel, for the purposes specified.

INSERTING FAUCETS INTO FLUIDS UNDER PRESSURE—Patrick Mihan, of Boston, Mass.: I claim the faucet receiver, as composed of the socket tube, A, and the perforated thimble, B, applied together by means of screws and operated by the action of the faucet, substantially in manner and for the purpose as specified.

HAND SEED PLANTER—A. C. Miller, of Morgantown, Va.: I claim, in combination with the reciprocating agitators, I, the stationary bent adjustable seed bar, B, with its wedge shaped openings, a, and inclined slides, b, for the purpose of sowing seed broadcast, and adjusting the machine to the quality or kind of seeds to be sown, as set forth.

SOAP BOILING—Campbell Morfit, of Baltimore, Md.: I claim the combination of the hollow shaft and tubular arms as a mixing, stirring, and heating twirl for dry steam, either in open or closed vessels, as described.

POTATO PLANERS—John Moore, of Quincy Point, Mass.: I do not claim a seed planter wherein there is a furrow opener, a contrivance for dropping the seed, and one for covering the furrow. But I claim arranging and combining with the chambered cylinder, H, and its spring guides, M, and so as to operate therewith, as set forth, a series of scrapers, b, b, the same being for the purpose specified.

COAL SCUTTLES—James Myers, Jr., of New York City: I claim constructing the scuttle, as shown and described, with a cast iron chambered or dish-shaped bottom, B, having a supporting flange, C, in conjunction with and attached to the sheet or wrought iron sides or body, A, of the scuttle, as and for the purpose set forth.

KNITTING MACHINES—John Nesmith, of Lowell, Mass.: I claim the lowering or raising the ends of the needles which receive the threads, so that the threads will not enter the hooks of the needles when out of their working line, as the carrier passes there, while the other ends of the needles remain connected with the mechanical arrangement for pushing them forward and drawing them back to form the stitch on their working lines, essentially in the manner and for the purposes set forth. Second, I claim the slides, N, Z, or their mechanical equivalents, for taking the needles out of the work for narrowing the fabric, or bringing them back into the work for widening the fabric, essentially as set forth.

Third, I claim the metallic rests or guards, d, or their equivalents, for constantly keeping a number of the needles in their working line, essentially in the manner as fully set forth and described. Fourth, I claim the connection of a registering or measuring apparatus, constructed as described, or otherwise formed, with the printing parts of my machine, for the purpose of bringing into use, taking out of use, the requisite needles, at the proper time of shaping the fabric, and for severing the threads when the work is done, and stopping the machine when required, essentially in the manner as set forth.

Fifth, I claim the arrangement and movement of the finned bar, W, or its mechanical equivalent, to aid in forming the rib, and its movement back and forth, under the ends of the needles for putting on the new fabric, essentially in the manner and for the purposes set forth. **BINDING GRAIN**—W. F. Paget, of Stone Bridge, Va.: I claim the way, A, in combination with the slide J, or its equivalent, when operating in the manner and for the purposes described. Second, I claim the band, G, in combination with the way, A, and slide, J, for the purposes described.

PRINTING PRESS—Thomas and Alfred Parkes, of Brooklyn, N. Y.: We claim, first, the cylinder, B, having flat surfaces, a, a, on its periphery, to receive the forms, in combination with the printing cylinders, D, D, placed in sliding bearings, and arranged substantially as described for the purpose set forth. Second, we claim the reciprocating shafts, S, 5, 6, and stationary shafts, a, a, t, u, v, with the tapes arranged as shown, whereby the two printing cylinders, D, D, are fed from one feed board, and the sheets therefrom, when printed on both sides, deposited upon one and the same fly-board. Third, we claim the sliding frame, M, arranged and operating substantially as shown, whereby the motion of the belt, I, is reversed at the proper time, and also stopped at proper intervals, and the shaft, d, raised and lowered for the purpose of reversing the movement of the sheets and causing them to be printed on both sides.

BEE HIVES—J. S. Brown, of Washington, D. C., assignor to Joseph Kent, of Baltimore, Md.: I claim the peculiar construction of the drawer, E, and its arrangement in combination with the basement, D, and bottom, M, of the hive, substantially as set forth, so as to be reversible in either of the two sides of the said case or frame, whereby the ventilator, fifth receptacle, with trap, and feeding chamber, in the manner specified.

SAWING MACHINE—T. T. Prosser, of Oconomowoc, Wis.: I claim the levers, E, D, pivoted or attached to the uprights, C, C, the saw, F, being placed at one end of the levers, and the levers adjusted by the bars, J, and set screws, K, at the opposite ends, substantially as described for the purpose set forth.

GUTTA PERCHA WIRE COVERING—James Reynolds, of New York City: I claim, first, providing the cylinder or other vessel, in which the gutta percha is submitted to the pressure with a connection to an air pump or other suitable exhausting apparatus, for the purpose described. Second, the arrangement of the die and core or core piece, transversely to the direction in which works the piston or other device for producing the pressure, substantially as and for the purpose specified.

Third, providing the stomach, I, or its equivalent, which contains the die, with a variable escape opening, p, substantially as and for the purpose set forth. Fourth, the continuously revolving water trough, arranged relatively to the die, and operating substantially as and for the purpose set forth.

PICKPOCKET DETECTOR—S. W. Ruggles, of Fitchburg, Mass.: I do not claim in alarm detectors, starting or operating the alarm by pulling or drawing on a cord or its equivalent, the alarm having bars, M, Q, pivoted or jointed to their outer ends, to which the cutters, e, and tracer, g, are attached, as shown and described. But I claim suspending the alarm detector or instrument proper, including the case, A, and its working parts by the cord or chain, D, from or through the spring barrel, B, for alternate operation of the cord and bell-hammer by said barrel, in relation to the case, as and for the purposes specified.

DEVICES IN CARVING WOOD—Nelson Ruger, of West Farms, N. Y.: First, I claim the cutters, c, d, g, in combination with the bars, I, J, having arms, K, L, N, attached to their outer ends, having bars, M, Q, pivoted or jointed to their outer ends, to which the cutters, e, and tracer, g, are attached, as shown and described. Second, I claim the bar, Q, placed on a rod, P, which is attached horizontally to the vertical bar, O, the ends of the bar, Q, fitting between the arms, K, L, as shown for the purpose set forth.

SMUT MACHINES—G. H. Starbuck and L. D. Gilman, of Troy, N. Y.: We claim the combination of the screen, F, plate, H, funnels, I, and disk, e, with spike, f, attached when said plates are attached to the shaft, E, and fitted within the case or shell, A, as described, for the purpose set forth. The combination with a main picking cylinder of a secondary picking cylinder, operating substantially as set forth. The pyramidal draft box constructed substantially as set forth in combination with a fan and fan case for generating the currents of air.

FORMING HAT BODIES—Alva B. Taylor, of Newark, N. J.: I claim the combination of a perforated cone, picking apparatus, and feeding apparatus located and arranged as described. The combination with a main picking cylinder of a secondary picking cylinder, operating substantially as set forth.

OX YOKES—Miron Smith, of Sandisfield, Mass.: I do not claim the devices for the simultaneous movement of the bow-slides, as such are not new. But I claim the adjustable fulcrum block, g, in combination with the bow slides, J, J, as, and for the purposes set forth.

ELLIPSOIDAL FORMS—G. W. Walton & H. Edgerton of Wilmington, Del.: We claim the feed rollers, K, K', and expanding cutters, I, I', one or more, attached or fitted to the hollow shaft, B, when the parts are arranged and operated as shown and described, for the purpose specified.

SPOOLS—A. D. Waymoth, of Fitchburg, Mass.: I do not claim combining one or more cutters with a sliding carriage made to slide horizontally and at right angles to the axis of the work to be turned, but I claim combining the rounding, severing, and body cutters with a carriage made to slide in the chuck and a boring carriage, and in line with the latter, and so as to be moved toward the chuck by the boring carriage, while it is moved toward the work, in the manner set forth. I also claim arranging the body and severing cutters, and combining them with the cutter carriage by means of a turning holder, K, as specified, whereby the said cutters may be made to operate and be put in operation by means substantially as explained.

WINDOW SASH—C. P. Weaver, of Philadelphia, Pa.: I do not claim the employment of a single weight for the balancing of sashes. But I claim the employment in connection with window frames and the sliding bars, D and E, the same being arranged and constructed substantially in the manner set forth, for the purpose of removing and replacing said sashes with facility.

PURIFYING WHITE OXYD OF ZINC—Joseph Wharton, of Philadelphia, Pa.: I claim cooling white oxyd of zinc and separating it from impurities by causing the products of the furnaces to impinge successively upon a surface of water, in the manner substantially as described.

CLOVER SEED HARVESTER—C. B. Wheeler & A. Bascom, of Steuben, Ohio: We claim the reel, F, and cutters or teeth, b, placed within the sliding or adjustable frame, E, in combination with the endless apron, H, the parts being arranged as shown, for the purpose set forth.

SAD IRON HEATERS—B. F. Wheelock, of Mayville, Wis.: I do not claim the particular construction and adaptation of the heater to the use of the ordinary flat or sad-irons. But I claim the use or application of the chains, g, g, in combination with the table, f, and beds, c, c, made to balance on the ears, e, e, e, in the manner substantially as described, for the purposes specified.

CUTTING OUT SOLES OF BOOTS AND SHOES—Jas. W. Wilder, of Boston, Mass.: I claim arranging and vibrating the knives around the cutters, p, p, in the manner and for the purpose substantially as set forth.

SMOKING MEATS—John Wright, of Wilmington, Del.: I claim the application to furnaces of smoke houses a back plate of iron or other incombustible material forming an air chamber which will increase the draft of the furnaces and prevent any smoke from being wasted or lost, and also the application of inclined flues made of brick, iron, earthen ware, or any other incombustible material, together with the smoke spreaders, as described, for the purpose of smoking meats, &c., the furnaces being upon the outside of the building.

GATES FOR WATER WHEELS—J. C. Shorey, of Rochester, N. H., (assignor to himself and A. J. Webster): I claim applying the two gates to the wheel and flume, in manner and so as to operate with respect to the discharging opening and the wheel shaft, substantially as specified.

MOLDS FOR HOLLOW PROJECTILES—Ethan Allen, of Worcester, Mass.: I do not claim any particular form or arrangement of parts. But I claim cutting off the sprue by means of a cutter working on the curve of the inner surface of the ball, so as to leave the ball smooth and symmetrical, substantially in the manner and for the purposes set forth.

FLOUR BOLTS—S. C. Mendenhall & J. Conner, of Richmond, Ind.: We claim, first, the manner described of varying the action of the revolving brushes, b, by giving to the brush bars, a, any desired backward or forward angular set on the radial arms or bosses which carry the brush bars in relations to the run or travel of the same with the screen cylinder, by means of the links, m, connecting the inclining pivots or rods, g, of the brush bars with a turning ring, n, arranged to revolve together with the brush shaft, but made capable of circular adjustment thereon, or the mechanical equivalents of such devices, operating essentially as and for the purposes specified. Second, in combination with the radial expansion and contraction of the brush bars and brushes within or against the screen cylinder for graduating the rub of the brushes, as specified, giving any varied angular set backwards or forwards, to such graduated rub, by so connecting the brush bars with the devices which effect their expansion or contraction as to admit of a variable inclined set or position, in relation to the run, being given the said brush bars and brushes, to adjust, or improve the action of said radially graduated rub, as set forth.

FACE PLATE FOR LOCKS—T. B. Atterbury & William Warwick (assignors to Warwick, Atterbury & Co.) of Pittsburgh, Pa.: We claim the separate or distinct guard or face plate, of such a form in relation to case or skeleton frame of a lock or other fastening, that it may be put on either of the two sides of the said case or frame, whereby either of the sides can be made the face of the said lock or fastening substantially as described.

CHIMNEY DAMPERS—T. F. Engelbrecht (assignor to T. F. Engelbrecht & T. C. Nye), of New York City: I claim in perforated dampers for anthracite coal grates, the supplemental perforations, consisting of the suspended conical deflectors, as set forth.

FAUCET—Joseph Goodridge, (assignor to the Boston Faucet Co.) of Boston, Mass.: I claim so combining with the valve and its stem the dovetailed recess, d, the expander, h, and a shoulder and screws, or the equivalents thereof, whereby the foot of the spring packing may be fastened into the valve, substantially in manner and for the purpose as specified.

WHIFFLETREES—George Kenny, of Milford, N. H., (assignor to himself and G. N. Davis), of Boston, Mass.: I claim the combination of rubber washers with the whiffletrees, and about the king bolt and the boxes arranged with the same, substantially as described so as to protect the rubber and boxes from the entrance of water, dirt, &c., thus preventing the wear of the parts.

WHIFFLETREES—George Kenny, of Milford, N. H., assignor to himself and Geo. N. Davis, of Boston, Mass.: I claim the combination of rubber about the bolt on which the whiffletree turns within the cylindrical strap and between the braces, c, c, d, so that it may be compressed, and thereby operate as a spring, as specified, as well as serve to keep out the dirt, and prevent the wear and noise.

PEGGING JACKS—Alfred Swingle (assignor to Elmer Townsend), of Boston, Mass.: I believe there is nothing new in sustaining a last by mechanism which will permit it to be revolved in two planes, and that this principle, though common both to my machine and that of Dewitt, was not the invention of the said Dewitt, nor is it claimed by him or by me.

I claim the arrangement and application of the frame and grooved cross, with the cylindrical strap, the last holder and its sustaining arm, the same enabling advantages or new and useful effects to be attained, as specified.

CULTIVATORS—Jacob Zimmerman, of Oswego, Ill.: I claim the revolving rake and cleaner, in combination with the series of elastic cutters, c, and flat cutters, C, as set forth.

OPERATING VALVES IN DIRECT ACTION STEAM ENGINES—W. H. Guild & W. F. Garrison, of Brooklyn, N. Y.: Original patent dated March 27, 1855. We claim giving to the valve the whole or part of the movement necessary to effect the change in the direction of the movement of the engine piston, by means of the steam acting upon a piston, E, which is fitted to work perpendicularly to the valve, in a cylinder, D, forming a part of the valve driver, or device employed to drive the valve, and is supported against the pressure of steam by a rocker, e, or its equivalent, by which it is caused to operate on the valve driver, substantially as set forth.

COOKING STOVES—Joseph Hackett, of Louisville, Ky. **CLOCK FRONTS**—J. & R. Shepherd, of New York City. **COOKING STOVES**—Benjamin Wardwell, of Fall River, Mass., and Ephraim Barstow, of Providence, R. I.

Antidote for Strychnine.

We have received a letter from Mr. C. Leavitt, of Rockville, Conn., in relation to the use of coffee in neutralizing the deadly effects of Strychnine. A friend of his had a valuable dog, which was poisoned with strychnine and was fast sinking under its influence—being unable to stand—when Mr. L. saw him, and being informed of the cause, suggested that a strong decoction of coffee be given to the animal. About half a pint was administered, and it soon began to get better, and ultimately recovered entirely. We recommend this to the attention of physiologists, who may experiment with strychnine upon animals, for the purpose of discovering an antidote. Let some experiments be made with coffee. It has been said that lard is an antidote for strychnine; but this has been denied by persons who have tried it. Strychnine is sometimes made into pills with lard, for poisoning foxes and wolves.

Dummy Locomotives.

This is the name that was given to a condensing locomotive using a fan blower, which was built about five years ago by Henry Watterman for the Hudson River R. R. Co., to draw their cars through the streets instead of horses. The machinery was all concealed; no smoke was emitted, as coke was used, and it made no noise—hence it was termed the "Dummy." It was tried and operated satisfactorily for some time, but was interdicted by the Street Commissioner. We understand that permission has now been obtained to run the Dummy, and that three such locomotives will soon be placed on this railroad to do the work of about one hundred horses, and effect a great saving in the expenses of the Company. These Dummy locomotives can be run with as much safety as horses, as their speed will be as low.

Water for Brooklyn.

Operations have commenced to construct works for supplying Brooklyn with water. The principal reservoir will be on Cypress Hills—six miles from the city. A second reservoir will be located on Flatbush hill, 175 feet above tide water, for the supply of the high ground in that neighborhood. The cost of these works is estimated at over four millions of dollars. 10,000,000 gallons are to be supplied daily in two years.

Fire-Proof Boiler Rooms.

On the 1st inst. on motion of Senator Seward a resolution was adopted by the Senate directing the Committee on Commerce to inquire into the expediency of requiring the boiler rooms of all steamers to be constructed of fire proof materials. The Committee on Commerce should at once prepare a Bill requiring all steamers to be so constructed.