

The Tax Bill--Estimated Reductions.

The following is an official statement of the estimated reductions in the Internal Revenue Taxes as reported to the House of Representatives by the Ways and Means Committee:--

Table with 2 columns: Item and Amount. Includes Animal Charcoal (\$3,000), Alum (5,000), Beeswax (3,000), Barrels, Casks and Boxes (250,000), Blooms, slabs, and loops (60,000), Boots and shoes (4,400,000), Brass, rolled sheet copper, sheathing, and yellow metal (700,000), Building stone of all kinds, burr stones and grindstones, monuments, roofing slate, slabs, and tiles (400,000), Brick, draining tiles, and water pipes (282,000), Bichromate of potash (30,000), Blue vitriol and coppers, coffins and burial cases (50,000), Crucibles (10,000), Crates and baskets (15,000), Crutches, artificial limbs, eyes, and teeth (25,000), Copper, lead, and tin (11,600,000), Clothing (1,600,000), Feather beds, mattresses, etc. (125,000), Fertilizers of all kinds (100,000), Flasks and patterns (5,000), Gloves and mittens (30,000), Gold leaf and foil (32,000), Hulls of ships and other vessels (500,000), Hemp and jute, prepared for textile purposes (25,000), Hubs, spokes, felloes, handles (wooden) for tools and implements (175,000), Income tax exemption from \$500 to \$1,000 (3,000,000), Income reduction from 10 per cent. to 5 per cent. on sums over \$10,000 (17,000,000), Iron, advanced beyond pigs, slabs, and loops (400,000), Iron, railroad, re-rolled (52,000), Iron, pig (2,000,000), Iron, railroad (426,000), Iron castings for bridges (100,000), Iron malleable (100,000), Keys, actions and strings for musical instruments (125,000), Lamps and lanterns (20,000), Mouldings for picture frames, etc. (5,000), Mineral waters, etc. (12,000), Minerals, coal of all kinds (1,250,000), Metallic nickel, quicksilver, manganese, cobalt, etc. (12,000), Metallic zinc (50,000), Mast, spars, and ship blocks (45,000), Oxide of zinc (60,000), Paper, books, charts, and book-binding (2,072,000)

UNESTIMATED ARTICLES.

Table with 2 columns: Item and Amount. Includes Bristles (Paintings and statues, and groups of statuary, etc., 400,000), Flavoying Extracts, Deerskins, Oakum, Verdigris, Illuminating gas, educational institutions, etc. (Aniline color, 50,000; Bleaching powders, 50,000; Car, turpentine, 50,000; Candle wicking, 50,000)



ISSUED FROM THE U. S. PATENT OFFICE

FOR THE WEEK ENDING MAY 8, 1866.

Reported Officially for the Scientific American

Pamphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent specifying 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.

54,479.—Sheep Holder for Shearing.—C. Albert, Harrisville, and J. J. Shank, West Salem, Ohio: We claim the shaft, C, arms, d, loops, d', strap, m, in combination with the ratchet plate, F, pawls, b, and table, arranged in the manner and for the purpose set forth.

54,480.—Water Closet Seat.—Louis Alexander, New York City: I claim the combination seat as constructed of several flaps, a, b, c, d, e, etc., with projecting flanges or ribs, in combination with suitable fastenings, g, constructed and operated substantially as and for the purpose set forth.

[This invention relates to the seat of a water closet, which is composed of three or more sections, combined with each other, and with suitable berths or partings, in such a manner that each seat can be unlocked independent of the others, and that by unlocking the second seat, for instance, access is had to this seat alone, and to neither of the others, and thereby a combination seat is obtained, which is of great value, particularly for houses which are occupied by several families, and which gives each family its own seat, without requiring more than one closet.]

54,481.—Propeller.—John F. Allen, New York City: First, I claim the arrangement of a propeller blade at the end of a vibrating shaft, which gives motion to said propeller blade, when said propeller does move at a regular and fixed pitch, during the whole length of its motion, and is capable of being operated by the action of the water against its surface, at the beginning of each stroke, in such a manner that thereby its forward edge shall always be brought forward to its line of motion independent of the direction in which this motion may be communicated, substantially as described. Second, I claim the collar, E, with a projection, h, fastened to the propeller, in combination with the worm wheel, J, provided with a projection or stop, m, and operating together in the manner and for the purpose described.

Third, I claim the arrangement of the worm wheel, J, with a suitable stop or projection, m, operated by suitable gearing, for the purpose of regulating and altering the pitch of the propeller blade, substantially as set forth. Fourth, I claim the arrangement described for changing the pitch of the propeller blade while in motion, so as to make said propeller act at the same time as a rudder for the vessel, substantially as set forth and specified.

54,482.—Scrubber and Tender.—Asa H. Allison, Charlottesville, Ind.: First, I claim the tender, C, with the trough, D, and strap valve, E, substantially as and for the purpose set forth. Second, The combination of the tender and scrubber, constructed and arranged substantially as and for the purpose set forth.

54,483.—Pump.—R. H. Andrews, Elizabethtown, Pa.: I claim the combination and arrangement of the wheel, d, slide, e, connecting rod, g, and cylinder, h, for the purpose herein set forth.

54,484.—Protecting Pumps in Deep Wells.—Francis Armstrong, Pittsburg, Pa.: I claim the cups, a and b, when arranged and operated as, or substantially as, and for the purpose set forth.

54,485.—Coupling for Carriage Felloes.—Haines Austin, East Liberty, Ohio: I claim the combination and arrangement of the tube or box, A, with the conical male screw, C, and blocks, D, D, (with semicircular female screws), marking in said box, for the purpose set forth, substantially as described.

54,486.—Grinding Mill.—J. W. Baldwin, Sidney, N. Y.: I claim the screw, E, or equivalent detachable points, d, combined with the spindle, F, and ball, D, and arranged with the runner, A, substantially in the manner as and for the purpose herein set forth.

54,487.—Farm Gate.—A. G. Barnard, Seville, Ohio: I claim the strip, D, and posts, E, in combination with the brace, C, and gate, A, cut out as at b, substantially as and for the purpose set forth.

54,488.—Composition for Gold Size.—Carl Bartholmac, New York City: First, I claim the use of glue in a composition for gold sizing, substantially as and for the purpose set forth. Second, I claim a composition made of the ingredients above specified, and mixed together, substantially as and for the purpose set forth.

[This invention relates to a composition which is intended to take the place of the varnish or size generally used in printing such parts of wall paper, or of fancy paper, which are to appear in gold color.]

54,489.—Method of Removing Sand Bars from Rivers.—Edwin Bell, St. Paul, Minn.: First, I claim the removal of sand bars and similar obstructions in the manner and by the means, substantially as set forth. Second, The wheels, C, having the shovels or prongs attached to the paddles when arranged to operate in combination with the boats or barges, A, as shown and described.

Third, I claim a series of boats or barges provided with the lee boards, B, and arranged to form a channel for the passage of the water for the purpose of controlling or directing the current as, and for the purpose set forth. Fourth, I claim in combination with boats arranged as set forth, the wheel, C, and the cables, c, arranged and operating as described, for the purpose of controlling the movements of the boats, as herein set forth.

54,490.—Cage for Hoisting Purposes in Mines.—Henry Berry, Hugo Hochholzer and Frank Denver, Virginia City, Nevada: First, We claim the adjustable arms, A, A, india-rubber springs, K, K, or their equivalent, together with the head piece, B, pillow, E, and beveled shoulders, L, L, in combination with the large arms, F, F, and guides, G, G, substantially as described for the purposes set forth. Second, We claim the cap, C, hung on hinges in combination with the braces C', C', and head piece, B, substantially as described and for the purposes set forth.

54,491.—Apparatus for Forcing Air in Carburetted Machines.—J. F. Birchard, Milwaukee, Wis.: I claim the air forcing organ and exp. and constructed and operated, substantially as herein described.

54,492.—Compound Sirup.—Charles Birdsall, Jersey City, N. J.: I claim the compound sirup, prepared with the materials, and as set forth.

54,493.—Vertical Hand Spinning Machine.—James Blaney, Lowell, Iowa: I claim the application to the vertical spinner of all the apparatus delineated and shown in Fig. 2, of all accompanying drawings, except those parts marked h and x, and called in this specification the clamp.

Also the application to the above-named spinner of all the gearings shown, and delineated in Fig. 3 of the accompanying drawings, except those parts marked h and x, and called in this specification the main wheel and the clamp.

54,494.—Portable Fountain.—Thomas H. Bonham, Elizabethtown, Ohio: I claim herein as new and of my invention, the arrangement of non-conducting refrigerator A B C reservoir, F, feeder, G, pan, H and nozzle, I, etc. the whole forming a portable fountain, substantially as described.

54,495.—Compound Burning Fluid for Illumination.—Horatio B. Brace and William T. Swart, Canan daigua, N. Y.: We claim a burning fluid for illuminating purposes, composed substantially of the ingredients above described, and in a proportion herein contemplated.

54,496.—Ladies' Skirt Lifter.—Thomas H. Bradley, St. Louis, Mo.: I claim a machine to be worn as a belt, for raising and lowering the skirts of ladies dresses with cords and tape, by means of a wheel having a case, axle crank with pulleys and guides attached.

54,497.—Quartz Pulverizing.—Henry A. Breed, Lynn, Mass.: I claim the construction of rotating disk, f, with the openings, t, in the manner and for the purpose, substantially as described. Also the letter or clevers, m, upon the periphery of the wheel, g, substantially as set forth.

54,498.—Broom Head.—Henry Buck, Harrisburg, Pa.: I claim the arrangement of the bars, C, C, perforated as described, and the use of said bars formed substantially as shown, when used with a sliding adjustable clamp, or the ends of said bars, and for the purpose specified.

Second, The arrangement of the keeper, D, with the socket, a, the trap, B, and the bars, C, C, the several parts being constructed and used, as and for the purpose specified.

54,499.—Mode of Preparing Stone for Power Printing.—N. M. Bullinton, Fall River, Mass.: I claim preparing stone substantially as herein described, so that the drawing, lettering or design upon the same may be used for letter press printing, and that stereotypes and electro-types may be produced from the same.

54,500.—Brick Machine.—E. P. H. Capron, Springfield, Ohio: First, I claim constructing the wings, O, of the pressing wheel, as shown and described, for the purpose of drawing the clay inward, at the same time that it presses it downward into the cells.

Second, I claim the roller, a, located in the mouth of the finishing box, T, substantially as shown and described. Third, In combination with the roller, a, I claim the scraper, m, arranged and operating as set forth.

Fourth, The finishing box, T, provided with the scrapers, c and d, constructed and arranged to operate substantially as set forth. Fifth, The frame, H, having the cells, N, formed therein and provided with the projecting shoulder, r, to support the follower, P, as shown and described.

Sixth, I claim providing the follower, P, with the set screws, j, arranged to operate in connection with the shoulders, r, of the cells, N, as and for the purpose set forth.

Seventh, I claim the track, I, extending only a part of the way around, for raising the brick out of the mold in combination with the revolving table, in which the followers are supported, entirely by the table, while passing under the pug or mill, or crusher for the purpose of reducing the friction and lower required to operate the same.

Eighth, I claim constructing the follower, P, with the hinged lid, s, and lever, t, arranged to operate as shown and described.

Ninth, In combination with the follower, P, arranged as described, I claim the roller, u, for d pressing the follower and opening the cell, as it passes under the hopper, o, to receive the clay.

[This invention relates to a new and improved brick machine of that class in which a horizontal mold wheel is employed, and it consists in a novel arrangement of a mold wheel, pug mill, and mold-filling device, together with certain means for pressing the clay into the molds, and discharging the molded clay therefrom.]

54,501.—Hand Loom.—A. Carter and R. Spake, Salem, Iowa: We claim, First, In hand-power looms operating the treadles through a system of slides, R, which are moved by pins or cogs on the treadle shaft, J, substantially as described. Second, We claim the combination of the rod, G, which extends from the lug, the pawl, H, the shaft, J, armed with pins or cogs, L, and the slides, R, substantially as shown and described.

54,502.—Tea Kettle.—William Caven, Cincinnati, Ohio: In the described combination with the sockets, C, C, and flanged and perforated lid, D, E, I claim the winged rear lug, F, G, G', H, adapted to be secured in place by the ordinary bail, in the manner set forth.

54,503.—Combined Square and Level.—Orril R. Chaplin, Salem, Mass.: I claim the combination of a movable tongue, B, and beam, C, affixed thereto, with the movable or hinged beam, D, substantially as described.

54,504.—Buckle.—Charles S. Cissna, Burlington, Iowa: I claim the movable bolt, m, parallel with and in rear of the fixed cross piece, r, to which the tongue, B, is pivoted, all being combined and arranged substantially as shown and described.

54,505.—Scrubbing Brush.—William C. Cleveland, Cambridge, Mass.: I claim combining with a brush block, one or more flexible rubbers applied and operating in connection with the bristles, substantially as described.

54,506.—Seeding Machine.—J. D. Cochran, Milford, N. H.: I claim the vibrating hopper, D, placed on the pivoted plate, E, and operated through the medium of the cam, F, and spring, c, substantially as and for the purpose set forth.

I also claim the oscillating cut-off bush, i, in combination with the vibrating hopper, D, all arranged to operate substantially as and for the purpose specified.

I also claim the adjustable seed-conveying spout, H, substantially as and for the purpose set forth.

I further claim the cover, J, attached to the rear of the shaft, I, and having the spring, L, applied to it substantially as shown and described.

[This invention relates to a new and improved machine for planting seed in drills, and it consists in the employment or use of a vibrating hopper, in connection with a cut-off bush, on a rock shaft and operated automatically from the hopper. The invention further consists in an adjustable seed-conveying spout and cover whereby proper furrows may be made to receive the seed, and the latter suitably covered and the earth compacted upon it.]

54,507.—Corn Planter.—J. D. Cochran, N. H.: I claim the trips, A, A, with slide, F, attached and provided with the plates, B, B, pivoted together, as shown in combination with the hopper, D, provided with the partition, E, the slide and partition being provided with holes, and all arranged to operate substantially as set forth.

The manner of supplemental hopper, H, applied to the strip, A, in combination with the hopper, D, and slide, F, substantially as and for the purpose specified.

The plates, J, J, in combination with the plates, B, B, arranged to

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