

Col. Haraszthy:—"Yes; we sell these in the San Francisco market at 25 cts. per lb; but these fine table grapes do not make good wine. I will remark that my land which is not suitable for vines I plant in almonds and olives. I have several thousand of these trees and they do very well. I have sent some almonds to the New York market. Almonds will grow wherever peaches will; you might raise them here."

THE WHISKEY CONTROVERSY.

This potent article is exciting an unusual degree of attention just now. The subject of increasing the tax on the article is now before Congress. It is proposed to tax the stock on hand; and this has, of course, brought out all the strength of the "holders." It is reported that \$5,000,000 worth of the "sweet creature" will be affected by the tax; hence the strong opposition to the measure. It costs to make whiskey, about 25 cents a gallon; the present tax of 20 cents made it sell, tax paid, at 45 to 50 cents a gallon. Last fall, shrewd operators, knowing that the tax would have to be increased, commenced to buy up all the whiskey in store and pay the tax where it had not been already paid. The next move was to have the Commissioner of Internal Revenue recommend a large tax. This was done, and the official announcement was made after the stock had gone into the hands of speculators. Whiskey went up to 75 and 80 cents. When the report came into Congress, and others found it out, it advanced to one dollar a gallon. The Ways and Means Committee recommended a tax of 60 cents a gallon. This, added to the first cost, would make about 90 cents, but the house voted, by nearly a two-thirds vote, that all whiskey would be taxed, whether in store or in the hands of distillers. This has thrown the operators into tribulation. If whiskey in store must pay revenue to the Government, then their stock is only worth about 45 or 50 cents a gallon, for the additional 40 cents goes either to speculators or to the United States Treasury. It will make a difference of from \$2,000,000 to \$3,000,000 on the stock on hand. The latest phase of the question looks very much in favor of the speculators. Some members of Congress don't appear able to stand the "whiskey strain." It overpowers them.



ISSUED FROM THE UNITED STATES PATENT-OFFICE FOR THE WEEK ENDING FEBRUARY 9, 1864.

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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.

- 41,467.—Heater.**—Orrin Abbott, New York City: I claim, first, The combination of the water drip compartment, j, hot-air conducting pipe, o, and foul-air pipe, E, with one or more stoves or heaters arranged substantially as shown, in connection with the apartment to be heated, so that the foul air will be drawn from the compartment by the rarifying of the air in E, or the chamber with which it communicates, and a circulation of pure warm air be kept up in the compartments.
- Third, Regulating the supply of water to the compartment, i, by means of the hinged disk or reservoir, n, arranged substantially as described.
- Fourth, The indicator formed of the cloth, p, attached to a frame, L, inclosed within a box, K, and suspended from a scale beam, M, in connection with the water supply apparatus composed of the rotatory buckets, s, working within the reservoir, F, substantially as set forth.
- Fifth, The box, G, provided with the damper, H, and communicating with the foul-air pipe, E, and arranged relatively with the feet opening, f, in the stove or heater, for the purpose specified.
- 41,468.—Track-clearer for Railroads.**—M. J. Adams, Bedford, Pa.: I claim the application of this combined snow plow and excavator to snow obstructions on railroads for their removal, using for that purpose the aforesaid combined snow plow and excavator, or any other substantially the same, and which will produce the same effect.
- 41,469.—Revolving Rake.**—S. E. Ament, Oswego, Ill.: I claim, first, The cast bearing-box, D, with stops thereon and arranged relatively to one or more stops, I, J, and to the operative parts of a revolving rake, substantially in the manner and for the purpose herein set forth.
- Second, I claim, in revolving rakes, the duplicate sliding bolts, I and J, arranged relatively to one or more pairs of reversed stops, W, Y, and to the eccentric sectional flanges, 1 and 2, substantially in the manner and for the purpose herein set forth.
- Third, I claim the cast bush, F, formed with side cheeks, F' F'', and with notches or holes, F' F'', arranged to serve in connection with the handle, E, and with sliding stops, T, J, substantially in the manner and for the purpose herein set forth.

- Fourth, I claim raising the entire series of teeth by the employment of the series of braces, P, P, arranged to form an additional direct connection from the rigid shaft, A, to the teeth, a, substantially in the manner and for the purpose herein set forth.
- 41,470.—Machine for making Soap.**—Avery Babbett, Auburn, N. Y.: I claim the dies, F' and G', and the punches, I' and J', in combination with the slides, E' and A', levers, Y' and D', and cams, W' and B', or their equivalents, when used in the manner and for the purpose above specified.
- 41,471.—Relief Valve for Water Cylinders.**—T. H. Bailey, Troy, N. Y.: I claim the combination of the valve, C, stem, d, spring, E, adjustable cap, D, and pin-hole, d', whereby the valve may be either held upon its seat with a variable yielding pressure, or may be elevated therefrom or held immovably thereon as an ordinary screw plug. [This invention is more especially intended for application to steam fire-engines. The cylinders of these machines are generally fitted with connections for throwing two or more streams, and it is often necessary or desirable to shut off one or more of the streams, and this throws an extra pressure upon the pump and hose which is liable to cause the bursting of the hose. The only means heretofore adopted to prevent this has been to apply an escape valve which has been opened when necessary by the hand of the engineer in charge. This invention consists in a valve of novel construction, controlled by a spring in such a manner that it shall open automatically to relieve the cylinder and hose, or other pipes, of extra pressure whenever necessary.]
- 41,472.—Trigger Cover for Firearms.**—John Birkenhead, Ilion, N. Y.: I claim a trigger cover guard, applied substantially as shown and described.
- 41,473.—Lamp Chimney.**—E. S. Blake, Pittsburgh, Pa.: I claim, in a lamp chimney composed in part of plates of flat glass, the erection of any two or more of said plates in the same plane, to form a part of the shaft of the chimney, as and for the purpose set forth.
- 41,474.—Grain Drill.**—James Bucknell, Decorah, Iowa: I claim the particular construction of conducting tubes, H, adapted to replace the scatterers, G, covering the apertures, d, and employed in combination with the seed-box, D, slide, J, shaft, E, and scoop disks, F, to convert the machine from a broad-cast sower to a drill.
- 41,475.—Gridiron.**—E. C. Brewster, Bristol, Conn.: I claim, as an improved article of manufacture the gridiron constructed substantially as described.
- 41,476.—Wheel Vehicle.**—Lorenzo D. Brown, Lafayette, Ind.: I claim, first, The stirrups, D, hinged to the bolster, E, in combination with the axles, C', of the front wheels, B', and with the draught pole, F, all constructed and operating in the manner and for the purpose substantially as shown and described.
- Second, The spliced bolster, K, to operate in combination with the axles, C, and with the reach, G, substantially in the manner and for the purpose set forth.
- 41,477.—Harvester.**—R. D. Brown, Covington, Ind.: I claim, first, The mode substantially as described, of connecting the platform to the main frame by the swiveled coupling-rod, E, sleeves, e, e', and shafts, J and J', whereby motion can be communicated to the rake on a perfectly floating platform without affecting the continuity of the rocking motion or straining the parts.
- Second, In the described combination with a floating platform, endless rake and swiveled coupling, I claim the chain, K, and pulleys, O and S, or equivalent flexible device for transmitting motion to the raking mechanism, as set forth.
- Third, In the described combination with a swiveled coupling, E e' J J', I claim the device for varying the pitch of the cutting apparatus, consisting of the drag bar, F', bracket, H, arm, G, and pin, I, or their equivalents.
- Fourth, I claim the arrangement of the outer and forward endless rake-pulley, u, within a lever, d, in the rear edge of the finger bar so as to bring the front edge of the endless rake within working distance of the sickle.
- Fifth, The arrangement of shafts, K and J, gear wheels, M and N, sliding pulley, O, clutch, F, and treadles, Q, Q', as and for the purpose specified.
- 41,478.—Tool for Turning Lathes.**—Amos A. Burr, Rockdale, N. Y.: I claim the two yielding jaws, A, A, provided with recesses, a, a, having screw threads, b, formed or cut on them, one of said jaws being provided with a cutter, D, and used either with or without the segment rod, C, and guard or gage, E, to form a new and useful tool for the purpose specified. [This invention relates to a new and useful tool for cutting spiral beads, on wooden articles, such as furniture, cogs, &c., turned in a lathe, and while being centered and rotated in the same.]
- 41,479.—Harrow.**—S. P. Campbell, Rochester, Minn.: I claim, first, A sectional harrow provided with a universal-joint coupling composed of a hook, B, on one side, and a swivel, B', on the other, or their equivalents, substantially as described.
- Second, In combination with a harrow, constructed and united as described, I claim the tongue, D, when the whole is arranged in the manner and for the purpose set forth.
- Third, I claim a sectional harrow, the sections of which are united by means of a universal joint, and each section being drawn from its own center, substantially as and for the purpose set forth.
- 41,480.—Water Indicator for Steam Boilers.**—Charles H. Carey, Detroit, Mich.: I claim the combination of the double lever, J I M, float, A, rack, B, piston, D, index, C, and whistle, K, L, constructed arranged and operating substantially in the manner and for the purposes set forth.
- 41,481.—Implement for cleaning the Bores of Gun-barrels.**—P. F. Carr, Wyalusing, Pa.: I claim a device for cleaning and polishing the bores of fire-arms, composed of a plunger-like body, A, of india-rubber or other elastic material, coated with or having incorporated into it emery or other scouring or polishing material, a screw, B, nut, C, and socket, D, the whole combined substantially as herein specified.
- 41,482.—Elevator for loading Cars.**—R. D. Chatterton, Bath, England: I claim, first, The rising and falling platform, B, formed of two separate parts, 1 and 2, in connection with the pulley, D, provided with a groove, I', having cuts or recesses, j, j, made in it, the platform being connected to the pulley, D, by ropes, C, C, C', and all arranged to operate either with or without the tray, F, in the manners substantially as and for the purpose herein set forth.
- Second, The division or partition board, H, suspended and counterpoised, substantially as shown, when used in connection with the tray, F, for the purpose specified.
- Third, The swinging door or side, G, in combination with the catch, H', arranged to operate in connection with the platform, B, substantially as and for the purpose set forth.
- 41,483.—Buffer for Railroad Cars.**—R. D. Chatterton, Bath, England: I claim the employment or use, in a buffer for railroad cars, of springs, G, levers, F, and wedge-shaped projections, E, on a sliding coupling bar, D, arranged to operate in the manner substantially as and for the purpose herein set forth.
- I further claim, in combination with the levers, F, the supplemental springs, H, and springs, I, arranged to operate in connection with the coupling bar, D, substantially as and for the purpose specified.
- 41,484.—Horse Hay-fork.**—D. B. Clement, Brooklyn, N. Y.: I claim the bent rod or bar, D, provided with an elastic part, e, and attached to the head, A, of the fork, in combination with the ball, C, and rod, E, all arranged to operate substantially as and for the purpose set forth. [This invention relates to an improved means employed for discharging the load from the fork and in an improved manner of attaching the tines to the fork head and also in an improved way of suspending the fork in its bail, whereby it is believed that several advantages are obtained over the forks hitherto used.]

- 41,485.—Revolving Vegetable-steamer.**—Selah B. Collins, Lyndon, Mich. Ante-dated, Jan. 27, 1864: I claim the wings or elevating bars, W, which are made adjustable and detachable, substantially in the manner and for the purposes specified, in combination with the rotary steaming box, C, as set forth.
- 41,486.—Bath-tub.**—E. F. Cook, Omaha, Nebraska Territory: I claim a bath-tub having its back constructed with double walls to form a hot-water chamber, substantially as and for the purpose set forth.
- 41,487.—Cotton Gin.**—T. C. Craven, Greenbush, N. Y. Ante-dated Jan. 27, 1864: I claim, first, a series of teeth connected at one end to a cylinder, within and eccentric to an outer cylinder, so that said teeth will be alternately projected and retracted in the revolution of such cylinder, when said cylinders are connected together, substantially as described, so that they revolve in unison upon a non-revolving shaft, without strain or friction on the teeth, as and for the purpose set forth.
- Second, I claim the plates, 12, constructed and adjusted as specified in combination with the cylinders, e and f, and teeth, 8, whereby the teeth can be adjusted and projected more or less, as specified.
- Third, I claim constructing the teeth of the cotton-ginning cylinder of pointed wires having L-shaped bends, by means of which they are secured to the cylinder, e, by bands, 9, as set forth.
- Fourth, I claim rotating the cylinder, f, in unison with the cylinder, e, by means of the pins, 11, entering into the openings in the plates, 12, at the end of the cylinder, f, as specified.
- Fifth, I claim the sheet-metal guards, g, and braces, 14, in combination with the cylinder, f, and teeth, 8, as specified, whereby the said teeth, 8, do not require to be as long as heretofore, for reaching the cotton, as set forth.
- Six, I claim conveying the cotton from the ginning cylinder up the incline, l, to the condensing cylinder by a current of air, induced by the suction blower, o, entering the opening, 19, as specified.
- Seventh, I claim the arrangement of the roller, t, brush, v, and adjustable guard, w, whereby the action of said brush in separating the notes can be regulated, as specified.
- Eighth, I claim the condensing cylinder, m, supported and driven by the rollers, t and v, as specified, whereby the said condensing cylinder can be formed without any central axis and with its ends open for the air to be exhausted, as specified.
- Ninth, I claim the exhausted condensing cylinder, o, fitted and acting as specified, in combination with the rollers, y and z, for removing the cotton from such cylinder, as specified.
- 41,488.—Spring Bed-bottom.**—A. C. Crondal, New York City: I claim the sleeves, c, and hooks, j, applied to the ends of the egg-shaped slats, C, and operating in combination with the end rails, A, and stop-rails, f, of the bedstead, in the manner substantially as herein shown and described.
- 41,489.—Gas-check for Breech-loading Fire-arms.**—Frederick Curtis, Newtown Lower Falls, Mass. Ante-dated January 29, 1864: I claim the combination and arrangement of the gas check with the barrel, as above described, with said gas check bearing within the chamber of the barrel on its outer periphery, only at its front end, and with the chamber of the barrel made of the form and extending beyond the gas check, essentially in the manner and for the purposes as above described.
- 41,490.—Stump-extractor.**—D. A. Danforth, of Elkhart, Ind.: First, I claim the combination of the lever, A and F, hook, c, pulley block, U, and stirrup, B, for the purpose and in the manner described.
- Second, The combination of the saddle, J, chain, W, and lever, F, in the manner and for the purpose herein described.
- Third, The combination of the hook or guide, O, and brace, N, with a flange on the inner side of ratchet, K, and lever, F, for the purpose herein described.
- Fourth, The combination of the flange, Q, Q, and ribs, R, S, in combination with the axle, M, and lever, F, for the purpose herein described.
- 41,491.—Gang Plow.**—F. S. Davenport, Jerseyville, Ill.: I claim, first, The hinged or swinging axle-tree, D, atached to the frame, A, as shown, in connection with the adjustable stops, e, e, as and for the purpose herein set forth.
- Second, The castor wheel, H, attached to the shaft, G, which is connected to the sliding bar, F, having a lever, J, attached, when said parts are used in combination with the swinging axle-tree, D, as and for the purposes specified.
- [This invention consists in a novel and improved means for gaging the depth of the penetration of the plows into the earth and for raising them out of the earth when designed to be inoperative. The invention also consists in a novel and improved means for guiding the machine and turning it at the ends of the furrows.]
- 41,492.—Tea-kettle.**—William C. Davis, Cincinnati, Ohio: First, I claim the provision of a straight edge or bearing, A', at the bottom of the breast, as and for the purposes explained.
- Second, The combination of the straight edge or bearing, A', with a body, A, of elliptical form, substantially as described.
- Third, The combination of the elliptical body, A, longitudinal ball, C, and side-hinged cover, D, all as herein shown and described.
- 41,493.—Horse-power.**—A. J. Detrick, Dryden, N. Y.: I claim, in constructing a horse-power equalizer, the chain, c, and pulley, e, when placed directly upon the equalizing circuit, i, and connected with the rings, l, and g, and d, and stoppers, d and f, as described and arranged for the purposes specified.
- 41,494.—Fishing-line Reel.**—Andrew Dougherty, Brooklyn, N. Y.: I claim the combination and arrangement of the spool for the fishing line with a winding mechanism at one end of it, and with a friction brake at the other end of it, and opposite the winding mechanism, the whole operating substantially as set forth.
- I also claim the combination of the friction brake that controls the unwinding of the line with a thumb-plate or lever handle placed between the heads of the reel frame, substantially as set forth.
- I also claim the combination of the lever handle that operates the controlling mechanism of the spool, with one of the cross-bars of the frame, substantially as set forth.
- I also claim a double-headed frame for an angler's reel, constructed substantially as set forth.
- 41,495.—Penman's Assistant.**—H. G. Eastman, Poughkeepsie, N. Y.: I claim the combination of the fountain pen or pen-holder case, B, with the palm or hand support, A, whether made of metal, hard rubber, or other substance, for the purposes hereinbefore set forth.
- 41,496.—Petroleum Stove.**—W. T. Eddy, West Hoboken, N. J.: I claim, as a new article of manufacture, the petroleum stove constructed as above described, with a bottom plate, B (adapted to receive one or more lamp burners), a top plate, C, chimney, D, and deflector, G. [An engraving and full description of this invention was published on page 233, Vol. IX, SCIENTIFIC AMERICAN.]
- 41,497.—Horse Collar.**—Chas. J. Fisher, Waukon, Iowa: First, I claim dividing the side pieces, A, of the collar transverse into two parts and connecting said parts by a hinge or joint, b, in connection with the plates, B, and screw, c, or an equivalent fastening, all arranged substantially as and for the purpose herein set forth.
- Second, The combination of the pivoted hames, C, C, plate, D, and strap, E, arranged and applied substantially in the manner as and for the purpose herein set forth.
- [This invention relates to certain improvements in a horse collar for which Letters Patent were granted to this inventor bearing date July 17, 1860.]
- 41,498.—Chimney-flue.**—W. J. Fryer, Jr., Albany, N. Y. Ante-dated Feb. 3, 1864. I claim the employment and use in chimney flues, &c., of the tubes, B, made of clay or other suitable material with lips and projections, b, at the supporting points on the upper ends thereof, in combination with the crock, c, all made and applied in the manner and for the purpose as herein described. [This invention consists in the use of cylindrical, polygonal or oval tubes of clay, plaste of paris and lime and water, fir-clay, or any