

65,296.—APPARATUS FOR CARBURETING AIR.—Levi Stevens, Fitchburg, Mass., assignor to Norman C. Munson, Shirley, Mass.

I claim the combination of an air-exhausting apparatus with the vaporizer, separate or distinct, in such manner that air may be drawn through the vaporizer and with the hydrocarbon vapors thereof, be drawn out of such vaporizer and into such exhausting apparatus, the whole being substantially as described.

I also claim the arrangement and connection of the air pumping apparatus and the vaporizer separate or distinct, in such manner that the hydrocarbon fluid may pass freely from one into the other of them, so as to stand at one level in both, and so that the wheel of the pumping apparatus while in rotation may revolve in such liquid as specified.

I also claim the combination of the fluid elevator and its operative mechanism, or their equivalents, with the tank, E, the vaporizer, and the air pumping apparatus.

I also claim the combination of the wire gauze disseminator, K, I, with the perforated distributor, I, and the series of inclined plates or evaporating surfaces arranged beneath the same as specified.

I also claim the combination of one or more plates, m n o, and clothes, p p, arranged together in the vaporizer, in manner and so as to operate as set forth.

I also claim the combination of the tortuous passage, G, at the lower part of the vaporizer, with the series of perforated plates, m n o, covered with layers of cloth as explained.

I also claim the arrangement of the tank, E, with the vaporizer and the air pumping apparatus, such tank being made to communicate with the vaporizer by means of an overflow pipe, x, leading up into the vaporizer, as specified.

I also claim the peculiar valve apparatus at the top of the vaporizer, the same consisting of the tube, e, the box, l, the holes, g g, and the annular valve, h, arranged together as described.

I also claim the combination of the fluid elevator and its operative mechanism, or their equivalents, with the vaporizer, arranged substantially as described.

I also claim the fluid elevator, or its equivalent, so arranged as automatically to elevate the carbureting liquid to the top or upper part of the vaporizer, substantially as described.

65,297.—DRAFT EQUALIZER FOR HORSE-POWERS.—Archibald Stewart, Troy, Wis.

I claim the combination of the tumbling rod, A, outer cylinder, B, coiled spring, E, interior cylinder or roller, C, and rod, D, with each other, substantially as herein shown and described and for the purpose set forth.

65,298.—APPARATUS FOR REMOVING WATER FROM THE HOLDS OF VESSELS.—H. L. Stibbs, Savannah, Ga.

First, I claim the combination of the horizontal pipe, C, bent outlet pipe, D, and cone-shaped bottomless cup, E, with each other, substantially as herein shown and described and for the purpose set forth.

Second, The combination of the shaft, G, and crank arms, F and H, with the pipe, D, and bottomless cup, E, substantially as herein shown and described and for the purpose set forth.

Third, The combination of the shaft, G, and crank arms, F and H, with the pipe, D, and bottomless cup, E, substantially as herein shown and described and for the purpose set forth.

Fourth, The combination of the shaft, G, and crank arms, F and H, with the pipe, D, and bottomless cup, E, substantially as herein shown and described and for the purpose set forth.

65,299.—CLOTHES SPRINKLER.—E. B. Taylor, South Sudbury, Mass.

I claim the reservoir, A, with its pipe, B, having extension flexible tube, C, terminating in a perforated head or cap, provided with a lever, when all constructed and arranged together substantially as and for the purpose described.

65,300.—MACHINE FOR SIZING HATS, ETC.—James S. Taylor, Danbury Conn.

First, I claim the diagonal vibrating felter, G, constructed and operating substantially as and for the purposes set forth.

Second, The mode herein described of imparting motion to the roll of goods by means of the felter, G, cranks, N, pitmans, L, and swings, H.

Third, The combination of the arrangement of screws, K, sliding nuts, I, and swings, H, substantially as described, for the purpose of regulating the pressure of the felter.

Fourth, The felter, G, in combination with two or more rollers, C, substantially as and for the purposes set forth.

65,301.—COMPOUND FOR COATING OILCLOTHS, ETC.—John L. Tenney and John W. Bailey, Skowhegan, Me.

We claim the use of ground slate and clay when compounded in or about the proportions set forth and used in the manner and for the purpose described.

65,302.—MEDICAL COMPOUND.—James P. and Lemuel Thurmond, Warrenton, Mo.

We claim the improved medical composition produced substantially with the ingredients mixed together in or about the proportions stated, in combination and in mixture with the medical compound herein referred to.

65,303.—WOOD SPLITTING MACHINE.—Leonard Tilton, Brooklyn, E. D., N. Y.

First, I claim the two reciprocating cutters, G G1, of V form, placed one above the other in reverse positions and the lower cutter, G1, in advance of the upper one, G, substantially as and for the purpose set forth.

Second, The hopper, H, in combination with the cutters, G G1, and the holder, K, substantially as and for the purpose specified.

Third, Operating the holder, K, from the slide, F, to which the cutters are attached by means of the rod, L, connected with the slide as shown, and the spring, N, as set forth.

Fourth, Constructing the hopper, H, of the vertical parts, f f', one of which, f, is adjustable for the purpose of adapting the hopper to suit the length of the sticks to be split, as shown and described.

65,304.—DEVICE FOR TRANSMITTING MOTION.—Leonard Tilton, Brooklyn, N. Y.

I claim the cam, D, and bar, Q, in combination with the pulleys, F I J, gearing, H C C' E, belt, H, and belt shifter composed of the arms, N N', arranged and operated automatically from the bar, Q, substantially in the manner as and for the purpose herein set forth.

65,305.—CLOTHES DRYER.—S. H. Titus, Pennington, N. J.

I claim the combination and construction of a clothes horse using the cross standards, A B and C D, parallel arms, E F G H E I and F' H', roller, L L, and belts, M M, patchet, N, spring catch, P, and thumb head, Q, with the clothes bars, K K K, substantially as above described and for the purposes herein set forth.

65,306.—FINISHING IRON WORK OF PLOWS, STOVES, PIPES, LEVEES, DAMS, ETC.—S. P. Townsend, Union Co., N. J.

First, I claim the finishing of plow iron work for levers, dams, etc., as described, and other iron and steel work known mentioned, substantially as described and for the purpose set forth.

Second, The restoration to good condition by the means described of iron and steel work which has been damaged by oxidation or corrosion.

Third, A new article of sheet piling made substantially as described and for the purpose set forth.

65,307.—HOISTING MACHINE.—J. W. Tucker, New York City.

First, I claim the arrangement of the pulleys, a e f, and bifurcated chains, F, in relation with each other and with the platform, C, and winding drums, E, substantially as herein set forth for the purpose specified.

Second, The locking cog, J, and sliding shaft, I, combined in relation with each other and with the gear which operates to elevate the platform, C, substantially as and for the purpose set forth.

Third, The friction brake, K, and pulley, L, arranged with reference to each other and with the sliding shaft, I, and the gear which operates to raise the platform, C, substantially as herein described for the purposes specified.

65,308.—WOOD PLANING MACHINE.—Wm. Tucker, Paris, Ill.

I claim the arrangement of the double cutter head, E, and friction pulleys, K L L', capable of being simultaneously shifted for right or left hand cutting, substantially as set forth.

65,309.—BRAIDING MACHINE.—William Tunstill, Paterson, N. J.

First, I claim the case, p, fitted upon the carrier, d, in a braiding machine and containing the bobbin or cop from which the threads pass off upon the line or nearly so of the axis of said bobbin or cop, substantially as and for the purposes set forth.

Second, I claim the ratchet pulley, q, over which the thread passes pawl, 2, and finger, s, in combination with the weight, r, substantially as and for the purposes specified.

Third, I claim the grooved ratchet wheel, q, over which the thread passes, pawl, 2, and weight, r, in combination with the cop or bobbin, p' substantially as and for the purposes specified.

Fourth, I claim friction wheel applied in substantially the manner specified between the driving pulley, k, and the main shaft, l, of a braiding machine in combination with the stopping and starting mechanism so that the machine may commence to move gradually instead of suddenly as set forth.

65,310.—CAR COUPLING.—Edward A. Turner (assignor to himself and John Morrissey), New York City.

I claim the coupling link, C, furnished near one end with the laterally projecting ears or lugs, h, in combination with the draw head, A, and a suitable coupling pin, substantially as herein set forth for the purpose specified.

65,311.—WAGON BRAKE LOCK.—Thomas Urie, Springfield, Iowa.

I claim the eccentric, c, in combination with the rod, a, the slotted lever, a, and the segment plate, b, for locking a wagon brake by means of the connecting rod, g, constructed, arranged and operating substantially as and for the purposes described.

65,312.—ROTARY STEAM ENGINE.—John H. Van Sandt and J. J. Hurt, Princeton, Ind.

We claim the arrangement of the cams, G, springs, g, valves, F, with reference to the system of cranks, e, connections leading from the shaft, L, substantially for the purpose specified.

65,313.—COMPOSITION FOR FILTERING PETROLEUM SIRUP AND OTHER LIQUIDS.—William V. Wyck, Belleville, N. J.

I claim the application of the above mentioned compound of soluble animal matter, chalk and wood charcoal for the purification of petroleum and other oils, sugars, syrups and molasses and spirituous liquors by filtering these substances through the above mentioned compound or by any mode equivalent to filtration.

65,314.—PHOTOGRAPHIC CAMERAS.—George W. Venner, Charlestown, Mass. Antedated May 15, 1867.

First, I claim the compound sliding frame, M and J, made substantially as described and for the purpose set forth.

Second, The method of operating the said sliding frames, M and J, by means of the bar, H, roller, I, caps, c c, or their mechanical equivalent and the lower part of the adjusting board, C.

Third, The folding screws, a a', substantially as described and for the purpose set forth.

65,315.—BUTTER WORKER.—S. H. Wade, Montgomery Center, Vt.

First, I claim the combination of the pressers, E, sliding beam, G, and operating levers, H and J, with each other and with the frame of the machine, substantially as herein shown and described and for the purpose set forth.

Second, The combination of the pivoted table, D, and sliding frame, B, with each other and with the frame of the machine, substantially as herein shown and described and for the purpose set forth.

65,316.—DEVICE FOR UNLOADING AND STACKING HAY.—William R. Waldron, Webster, Mich.

I claim the combination of the poles, pulleys, rope and anchorage when arranged substantially as herein described and for the purposes herein set forth.

65,317.—CARRIAGE SHACKLE.—F. M. Weller, Evanston, Ill. Antedated May 16, 1867.

I claim the carriage shackle constructed and operating substantially as described and specified.

65,318.—CAR SEAT.—Jesse S. Wheat, South Wheeling, W. Va.

First, I claim the cross head arms D, and slotted links c, in combination with the back of the seat C, and the ends A, arranged and operating substantially as and for the purposes herein described.

Second, The inclined rack H, in combination with the guide plates c, arranged and operating as and for the purposes specified.

65,319.—MACHINE FOR CLEANING FLAX.—W. W. Whiddit.—Richmond, Ind.

First, I claim constructing a machine for cleaning flax, etc., with a door L, or its equivalent by which said machine is closed and the material confined until cleaned substantially as set forth.

Second, The octagonal shaped cylinder I, having flanged ends substantially as described and for the purpose specified.

Third, The reversible hopper B, operating on journals substantially as specified.

Fourth, The arrangement and joint operation of hopper B, and door L, substantially as set forth.

Fifth, Loose pulley c, provided with pin n, and lug o, or their equivalents, wheel D, either with or without teeth, provided with cam S, the latter either permanently attached or adjustable, in combination with slide P, set screw T, and device W, all arranged substantially as set forth and for the purposes specified.

65,320.—APPARATUS FOR COOLING LIQUIDS ON DRAUGHT.—Edward Whyte, Philadelphia, Pa.

I claim a cooler covered with felt ice-chamber, as described, opening a block B, and cylinders C, constructed and operating substantially as specified.

65,321.—COMPOSITION TO BE USED AS PUTTY FOR STONE WORK.—John R. William, Taunton, Mass.

I claim the improved composition of matter herein described for the purpose specified.

65,322.—LAMP BURNER.—John B. Wortham, Huntsville, Ala.

1st, I claim the ventilating collar or cylinder, c, constructed and operated as and for the purposes herein described.

2d, In combination with the cylinder, c, the toothed edge of the plate, b, or its equivalent.

3d, The plates, i and j, for holding the cap open, as described.

65,323.—TANNING.—Francis H. Wright (assignor to himself, William C. Slade, and B. M. Pratt), Richmond, Ind.

I claim the use of the proportion of ingredients named in formula A and B, and the manner of applying the same to hides, furs, and skins, for the purpose of tanning the same rapidly and effectually.

65,324.—CORN HARVESTER.—John Wright and J. J. Johnson, Cold Water, Mich.

1st, We claim the arrangement of the knives, B B, with double or oblique motion, operated with slotted guides, or their equivalent, in combination with the stationary knives, A A, substantially in the manner and for the purposes herein set forth.

2d, The tilting platform, K, in combination with the stationary platforms, F F, the spring curved arms, M M, and spring catch, L, or its equivalent, substantially in the manner and for the purpose as herein described.

3d, The cutting knives, as arranged and operated in combination with the tilting platform, substantially in the manner and for the purpose as herein described.

65,325.—MACHINE FOR CUTTING OFF CIGARS.—P. Zern and W. Warwick, Pittsburg, Pa.

We claim the combination of the upright, B, with opening C, and plate, E, having similar openings, when the two are arranged and combined together substantially as and for the purpose described.

REISSUES.

2,622.—MACHINE FOR MAKING SEINE NETS.—William C. Hooper & Sons, Baltimore, Md., assignees of Benjamin Arnold. Patented Sept. 23, 1862. Antedated Aug. 3, 1860.

First, We claim the arrangement and combination substantially as described of the various implements employed in forming a loop, viz: the bar, m, c, and row of spikes, e, c, and the bars, l and o, with their pins.

Second, We claim the bar, y, with its double row of pins, for the purpose of holding the netting, as set forth and when constructed substantially as described.

Third, We claim the combination of the regulating screw or screws, i' i', with the levers, a' d' and v', for the purposes set forth when arranged substantially as described.

4th, We claim the carriage, j, with the rows of bars, a, in combination with the raceways, s s', and thread carriers, a' a', when arranged substantially as described for the purpose set forth.

5th, We claim the toggle levers, h' h', for the purpose of drawing up the knot, substantially as herein described.

6th, We claim a machine constructed and operating substantially as described herein for making nets or netting.

2,623.—OPAQUE PIGMENT.—D. L. Bartlett and G. H. Hunt, Baltimore, Md., assignees of Stuart Gwynn. Patented Dec. 19, 1865. Antedated Dec. 5, 1865. (Div. A.)

We claim opaque pigments made from any article whose normal atoms or molecules or particles have been crushed by pressure after having been purified, substantially as herein set forth.

2,624.—MANUFACTURE OF OPAQUE PIGMENTS.—D. L. Bartlett and G. H. Hunt, Baltimore, Md., assignees of Stuart Gwynn. Patented Dec. 19, 1865. Antedated Dec. 5, 1865. (Div. B.)

We claim the process of manufacturing opaque pigments by crushing and pulverizing the normal atoms or molecules, substantially as herein described.

2,625.—HARVESTER.—J. W. Bope, St. Louis, Mo. Patented Jan. 17, 1865.

First, I claim a tilting platform turning upon a pivot in rear of its forward edge and connected to the main frame of the machine through the medium of the finger bar only.

Second, A tilting platform having a fixed pivotal bearing at its outer or grain end and in rear of its forward edge in an arm or support which is attached to the finger bar and has no rear support from or connection with the main frame.

Third, A tilting platform vibrating upon a fixed pivot in rear of its forward edge in combination with the cutting apparatus and main frame in such manner as to leave an unobstructed space in rear of said platform for the delivery of the grain upon the ground.

Fourth, A cut-off for separating the falling grain from the completed gavel on the platform interspersed by the tilting of the main platform upon a fixed point of pivot in rear of its forward edge.

Fifth, A platform which discharges the gavels by turning upon a pivot in rear of its forward edge in combination with the laterally projecting cutting apparatus of a two-wheel side draft machine.

Sixth, The combination in a two-wheel side draft machine of an adjustable cutting apparatus, a tilting platform connected thereto and turning upon a pivot in rear of its forward edge, and a lifting mechanism in such manner as that said cutting apparatus and platform can be raised for passing obstructions while the machine is in motion.

Seventh, Operating the tilting platform by means of the lever and the chain or cord, in the manner as and for the purpose herein described.

Eighth, The employment of a shield or guard for closing the opening between the finger bar and the platform formed by the tilting of the platform on a pivot in rear of its forward edge.

2,627.—PICKER-STAFF MOTION FOR LOOMS.—The Amoskeag Manufacturing Company, Manchester, N. H., assignees of Nehemiah S. Bean. Patented Jan. 22, 1866.

We claim the improved arrangement of the rocker, b, the link, c, and the support piece, e.

Also the arrangement of the spring, f, with the support piece, e, the link, c, and the rocker, b.

Also the arrangement of the cars, g, with the link, c, the support piece, e, and the rocker, b, the whole being substantially as specified.

2,628.—GENERATING GAS AND OBTAINING OTHER USEFUL PRODUCTS FROM ANIMAL AND VEGETABLE MATERIALS.—Thomas D. Ledyard, Toronto, Canada, assignee by mesne assignments of J. J. Ensley. Patented Aug. 28, 1866.

I claim making a compound gas by the mixture in proper proportions of gas made from wood or other vegetable matter with gas made from bones or other animal matter, substantially as and for the purpose herein specified.

I also claim the combination of the perforated charge cylinder or vessel, d, open at the inner end and the horizontal close retort cylinder or chamber, c, substantially as and for the purpose herein specified.

I also claim the vapor condensing vessels or chambers, k k, connected by the pipes, l, and provided with discharge cocks, m m, when used in combination with the inclosing water tank, B, substantially as described.

I also claim the combination and arrangement of the tight vessel or chamber, g, and pipe, r, with the pipe, n, for the purpose of pumping off the condensed water which gathers therein without admitting air or allowing escape of gas, substantially as set forth.

2,629.—DESULPHURIZING COAL AND ORES.—Jacob J. Storer, Boston, Mass. Patented April 9, 1861.

First, I claim the process substantially as described of forcing into the interstices of coal containing sulphurous impurities by the pressure of steam or other dissolved in it or mechanically conveyed by it chemicals proper to neutralize the sulphurous impurities.

Second, The employment of salts of ammonia forced by pressure of steam into the interstices of coals, as and for the purpose described.

2,630.—ATTACHING LABELS TO BOTTLES.—Elma E. Walton Newark, N. J., assignee by mesne assignments of Wm. N. Walton. Patented Sept. 23, 1862. (Div. A.)

First, I claim shaping the bottle whether in intaglio or in relief so as to form a seat for and protect the label or inscription plate, substantially as and for the purposes set forth.

Second, The arrangement of the lip or ridge, a, whether distinct from or forming a part of the recess or seat for the label for preventing fluids, etc., from entering or passing between the inscription plate and bottle, for the purposes set forth.

2,631.—BOTTLE FOR DRUGGISTS AND CHEMISTS.—Elma E. Walton, Newark, N. J., assignee by mesne assignments of Wm. N. Walton. Patented Sept. 23, 1862. (Div. B.)

I claim a bottle formed with a recess or seat for a label whether in intaglio or in relief and having secured therein by cement or other suitable substance a label with a glass or transparent label or inscription plate, as a new and improved article of manufacture.

2,632.—HARVESTER.—Cyrenus Wheeler, Jr., Auburn, N. Y. Patented Feb. 6, 1855. Reissued June 5, 1860.

First, I claim the combination of a vibrating frame, a finger bar attached to one corner or end thereof by a hinge, and a platform in the rear of said finger bar so as to leave an unobstructed space for the delivering of the grain on to the ground.

Second, The combination of a vibrating frame with the cutting apparatus hinged thereto, a driver's seat and an arrangement of one or more levers whereby the driver in his seat can raise and sustain the cutting apparatus when desired.

Third, The combination of a finger bar hinged to a vibrating frame and a removable platform connected with the said frame by means of the finger bar only.

Fourth, The combination of a hinged finger beam and a side delivery platform so arranged that the grain may be delivered from the platform on to the ground out of the way of the horses or their next round.

Fifth, The combination of a hinged finger beam, a lever and a yielding or linked connection extending from the lever to the vibrating part of the machine to which the finger beam is attached, whereby the inner end of the finger beam is raised to pass obstacles in mowing and raised and sustained in reaping.

Sixth, The combination of a hinged finger beam, a lever, a yielding or linked connection extending from the lever to the vibrating part of the machine to which the finger beam is attached, whereby the driver can raise the inner end of the finger beam to pass obstacles in mowing and raised and sustained in reaping.

Seventh, The combination of a hinged finger beam with an auxiliary draft rod or bar attached to the inner end of the hinged finger bar.

Eighth, The platform bar, Q, as a means of securing the platform to the finger beam and for strengthening said finger beam when it has the platform to carry, substantially as described.

Ninth, The inclined caster wheel, S, arranged as represented and in combination with the platform, whereby the latter is elevated when the machine is being turned short around to the right, substantially as described.

Tenth, In combination with a finger beam and platform placed in rear of the main supporting wheel, the two casters, N S, arranged as described for allowing the machine to turn short around to the right, for the purposes specified.

Eleventh, A revolving track clearer when operated from a ground wheel through gearing, substantially as described.

DESIGNS.

2,659.—BOTTLE AND CAP.—Robert B. Parkinson, Philadelphia, Pa.

2,660.—HEEL PLATE FOR BOOTS, ETC.—Franklin Shaw, Braintree, Mass.

SIXTY-ONE patents reported in the above list were solicited through the Scientific American Patent Agency.—Eds.

Inventions Patented in England by Americans. (Condensed from the "Journal of the Commissioners of Patents.")

PROVISIONAL PROTECTION FOR SIX MONTHS.

659.—COATING PAPER AND OTHER MATERIALS WITH FLUID SUBSTANCES SOLUTIONS AND COMPOUNDS FOR PHOTOGRAPHIC AND OTHER PURPOSES.—John C. Crossman, Boston, Mass. March 8, 1867.

956.—HANGING SHIPS' RUDDERS.—Henry H. Pember and Uriah E. Rogers, New York City. March 30, 1867.

1,150.—BREWERS' MASH TUNS.—James Walker, Cincinnati, Ohio. April 20, 1867.

1,162.—COTTON BALE TIE.—Henry Fassmann, New Orleans, La. April 20, 1867.

1,178.—MODE OF AND APPARATUS FOR REMOVING THE CONTENTS FROM CENTRIFUGAL SUGAR MACHINES.—Helem Morrill, New York City. April 23, 1867.

1,186.—SEWING MACHINE.—Lewis B. Bruen, New York City. April 24, 1867.

1,196.—CONSTRUCTION OF KNIVES, FORKS, AND OTHER IMPLEMENTS OF CUTLERY.—George Parr, Buffalo, N. Y. April 25, 1867.

1,202.—SELF-ACTING TACKLE HOOK.—Charles Luxton, Hudson, N. J. April 25, 1867.

1,256.—MANUFACTURE OF BOOTS AND SHOES, ETC.—Thomas B. Smith, Boston, Mass. May 1, 1867.

1,313.—BINDERS FOR PAPERS, ETC., WHICH ALLOW THE WHOLE OR PARTS OF THE CONTENTS TO BE REMOVED OR EXCHANGED.—Noah M. Shafer, New York City. May 4, 1867.

1,340.—MACHINERY FOR MAKING ROVING AND FOR SPINNING INTO YARN.—Albert H. Gilman, Boston, Mass. May 7, 1867.

1,348.—HYDRAULIC VALVE GEAR FOR STEAM AND ANALOGOUS ENGINES.—Norman W. Wheeler, Brooklyn, N. Y. May 7, 1867.

1,349.—SKYLIGHTS AND VENTILATORS, AND SHAFT COUPLINGS FOR STEAM VESSELS.—Norman W. Wheeler, Brooklyn, N. Y. May 7, 1867.

1,350.—CONSTRUCTION AND PACKING OF SLIDE VALVE AND ADJACENT PARTS FOR STEAM AND OTHER ENGINES.—Norman W. Wheeler, Brooklyn, N. Y. May 7, 1867.

1,351.—APPARATUS FOR INTRODUCING AND CONTROLLING THE INTRODUCTION OF FLUIDS TO SURFACE CONDENSERS OF STEAM ENGINES.—Norman W. Wheeler, Brooklyn, N. Y. May 7, 1867.

EXTENSION NOTICE.

Daniel Noyes, of Abington, Mass., having petitioned for the extension of a patent granted to him the 25th day of October, 1853, for an improvement in machine hammers, for seven years from the expiration of said patent, which takes place on the 25th day of October, 1867, it is ordered that the said petition be heard at the Patent Office on Monday, the 7th day of October next.