

No. 5883. Improvements in Hill-columns.*(Perfectionnements aux colonnes d'alambiques.)*

Edward Melchers and Henry Deymann, Toledo, Ohio, U. S., 24th March, 1876, for 5 years.

Claim.—1st. The column of a refining still constructed of two series of alternating and communicating chambers arranged on opposite sides thereof; 2nd. The alternating chambers of the column communicating by central spaces formed by alternating horizontal and vertical partition plates, 3rd. The alternating chambers of the column having overflow and drain pipes arranged at the outside of the column.

No. 5884. Improvements on Hinges.*(Perfectionnements aux charnières.)*

Joseph W. Vaughn, Peabody, Mass., U. S., 24th March, 1876, for 5 years.

Claim.—The elongated body A, flap B, reel joint D, flap a, and imitation joint d.

No. 5885. Veneer Cutting Machine.*(Machine à bois de placage.)*

Samuel Wallace, Seaforth, Ont., (Assignee of J. D. McEachern), 27th March, 1876, for 5 years.

Claim.—1st. The knife A, having imparted to it a reciprocating motion by means of an eccentric I, or its equivalent; 2nd. The rollers D, D, D, held within adjustable boxes E, E, E, to the frame C, in combination with the cross-head B; 3rd. The eccentric I, working within a slotted head H, of the cross-head B, in combination with the shaft J.

No. 5886. Improvements on Door Springs.*(Perfectionnements aux ressorts de portes.)*

Ashbel A. Stimson and Charles T. Sabin, Montpelier, Vt., U. S., 27th March, 1876, for 5 years.

Claim.—1st. The disc A, tapering projections or teeth a, a, lever C, in cross section of a wedge-shape spring D, and case B; 2nd. The case B, made in two parts b, b, fitting one within the other and each being so recessed as jointly to form eyes for the reception of the axis a, of the disc or wheel A, and containing the actuating spring D, of the lever C.

No. 5887. Stump Machine. (Arrache-souches.)

Randolph P. Corey, Hillier, Ont., 29th March, 1876, (Extension of Patent No. 905), for 5 years.

Claim.—The combination, and that only, of the parts consisting of hind wheels A, A, axle B, B, bull wheel C, shaft of bull wheel D, catch or hold E, main chain F, wheel for power G, shaft H, pinion I, rope or cable J, front cross beam K, posts L, L, main timbers M, M, cord N, dog O, spring P, front cross beam Q, front posts R, R, bolster S, piece for pulleys T, pulleys U, U, axle V, front wheels W, W, also another form of bull wheel A, pinion B, chain hand to surround bull wheel and pinion C, C, and means as described applied to lifting, drawing, raising or moving heavy bodies.

No. 5888. Thrashing Machine. (Machine à battre.)

John Abell, Woodbridge, Ont., 29th March, 1876, for 5 years.

Claim.—1st. The fingers F, secured to the rod G, which is supported by the shoe A, and provided with a crank H, in combination with the rod I, attached by the pins J, to a stationary portion of the machine; 2nd. The fingers D, attached to a stationary portion of the machine in combination with the fingers F; 3rd. A screen for barley, oats, or other similar grain, the oblong or oval holes K, and L, the long diameter of K, being at right angles to that of L; 4th. Corrugating a portion of the surface of the screen A; 5th. The lip M, in combination with the holes K, and L.

No. 5889. Railway Track Lifter.*(Appareil à relever les voies de fer.)*

Donald H. McDonald, Aylmer, near Ottawa, Que., 30th March, 1876, for 5 years.

Claim.—1st. The combination of the ratchet wheel C, fastened to the shaft B, the cheeks D, the handle lever E, the dog F, the dog or click G, fastened to the cross bar e, the grab hooks H, H, bolted to the shaft B, the chains I, I, and hooks J, J, with the frame A; 2nd. The combination of a second ratchet wheel C', cheeks D', hand lever E', dog F', and click G', with the frame A, to double the power of the leverage of the track lifter.

No. 5890. Attachment for Cooking Stoves and Ranges.*(Disposition des poêles et landiers de cuisines.)*

Theodore R. Timby & Lucius T. Yale, Tarrytown, N. Y., U. S., 1st April, 1876, for 5 years.

Claim.—1st. A pan or other article of stove or range was attached to a stove or range by a pivotal support so as to rotate or swing horizontally over or off the top plate, and adapted to be elevated and lowered at will; 2nd. A pan or other article of stove or range was having a handle by which it can be supported over or off the top plate, and which is adapted to slide back and forth through its support; 3rd. The support S, or its equivalent having vertical pivot p, on which the attached pan or other article can swing or rotate horizontally and a horizontal guide c, l, through which the handle can slide; 4th. The combination of a pivotal support S, and a clamp C, for attaching the same to an ordinary stove or range; 5th. The clamp C, for attaching a pivoted or sliding pan or other article to the top plate of a stove or range, the same having a vertical lip or flange g, to engage within the marginal flange of the top plate and three or more screws a, a, or their mechanical equivalent for tightening and adjusting or levelling the same; 6th. A supporting handle adapted to be held between under cut lugs, and constructed with notches n, to escape said lugs in one position of the handle to adopt the pan or other article to be readily attached and detached at will; 7th. A supporting handle having a horizontal bar b, adapted to slide back

and forth between attaching lugs and constructed with releasing notches n, 8th. The handle H, constructed with the horizontal supporting bar b, adapted to slide back and forth between attaching lugs or their equivalent, and the elevated handle proper a.

No. 5891. Improvements on Carriage Seats.*(Perfectionnements aux sièges de voitures.)*

Sylvester W. Beach, Ypsilanti, Mich., U. S., 1st April, 1876, for 5 years.

Claim.—1st. The combination with the body A, and seat B, B, of the provided ways D, D, balls b, b, and ball seats a, a; 2nd. The shaft d, provided with lever d, and eccentrics I, I, in combination with the slotted plates E, E, seats B, B, and rolls D, D; 3rd. The combination with the body A, and seat C, of this single central leg G, provided with crank arms e, e, at each end, and the boxes e, e; 4th. The pivoted lever K, and arms m, m, in combination with the slides I, rods f, and handles H.

No. 5892. Machine for Mashing and Grinding Grain. (Machine à broyer et moulin le grain.)

Joseph T. C. Cove, Amherst, N. S., 4th April, 1876, for 5 years.

Claim.—The furrowed and chilled iron wheel, and the diagonally grooved chilled iron plate placed in a vertical position and tangent to the wheel.

No. 5893. Improvements on Grain Binders.*(Perfectionnements aux lieuses des grains.)*

Edwin R. Whitney, Magog, Que., and Thomas Conant, Oshawa, Ont., 6th April, 1876, for 5 years.

Claim.—1st. The apron D, winding upon a cylinder E, intermittently delivering the straw into a revolving basket or cage G, and scoop F, and automatically unwinding from the cylinder for reloading; 2nd. The combination with an intermittently revolving apron cylinder E, of a rotating cage or basket G, into which the straw is delivered and bound by the winding of a cord; 3rd. The rotating cage or basket G, having a hinged part g, intermittently and automatically opening to receive the straw and closing to press the same previously to being wrapped by a cord; 4th. The combination with the revolving cage G, of a cord holding device L, 5th. The combination of a rotary needle O, a cow catcher Q, and a knife for looping holding and cutting the binding cord, 6th. The spring lever I, having arm j, operating to close the hinged section g, of the cage G; 7th. The stationary scoop F having yielding prongs l, in combination with a rotary basket G, 8th. The delivery fork T, performing a gyration on a cam track r, for discharging the bound sheaf; 9th. The discharge fork T, having pivoted spring prongs operated automatically by a spring bolt w, and cam t.

No. 5894. Cultivator Tooth for Seeding Machines. (Dent de cultivateur pour les machines à semer.)

George J. Barclay, Oshawa, Ont., 6th April, 1876, for 5 years.

Claim.—1st. The construction of the head of the tooth A, whereby to secure strength and position for the change holes H, in a radial line with the point or hole I, without locating said change holes upon or near a part of the iron weakened by welding; 2nd. The hook form of the head of the tooth A, whereby it is practicable in the event that the radial line from I, to H, is too long, or too short to increase or shorten said radial line by simply changing the sweep of the hook by bending and without re-drilling any of the holes.

No. 5895. Improvements on Horse-shoes.*(Perfectionnements aux fers à chevaux.)*

Edwin L. Tevis, Philadelphia, Pa., U. S., 6th April, 1876, for 5 years.

Claim.—1st. A horse shoe having a calk or calks attached by means of slots or grooves d, d, cut in the tenon of the calk or face of the shoe and a staple fastening or fastenings F; 2nd. A horse shoe provided with suitable heel calks and a toe mortise B, and a toe calk C, formed with a tenon D, and projecting flange plate E, the tenon and plate being relatively so arranged as to provide a socket bearing D', for the outer wall of the mortise, the same being secured by a suitable fastening.

No. 5896. Improvements on Milk Pans.*(Perfectionnements aux boîtes à lait.)*

Henry A. Hannum, Cazenovia, N. Y., U. S., 6th April, 1876, for 5 years.

Claim.—1st. The reverse connected coils B, C, made adjustable up or down within the pan A, by means of springs or hook catches e, and fixed notches or projections f; 2nd. The combination of the three way cocks M, N, the heater G, and coil H, the hot water tank K, the pipes I, J, the pipes O, P, and the coils B, C, in the pan A; 3rd. The combination of the cold water supply connection E, the inlet and outlet hot water connections O, P, the reverse pan coils B, C, the heater G, and coil H, the hot water tank K, the pipes I, J, and the three way cocks M, N; 4th. A milk pan provided with an interior coil or coils composed of pipes of a V-shaped construction on their undersides.

No. 5897. Improvement on Neck-ties.*(Perfectionnements aux cravates.)*

John B. Carter, Kokomo, Ind., U. S., 6th April, 1876, for 5 years.

Claim.—The neck-tie shield constructed with a slot or opening B, crossed by cords to retain the button.

No. 5898. Device for Spreading Hoofs.*(Appareil à étendre les sabots.)*

Charles H. Shephard, Elizabeth, N. J., U. S., 6th April, 1876, for 5 years.

Claim.—1st. A device for expanding contracted hoofs consisting of a V-shaped main spring applied to the interior of the hoof; 2nd. The hoof expanding main spring provided with interior frog binding springs to attach point of spring to hoof; 3rd. A hoof expanding main spring having one or more outer tapering prongs or projections that enter the hoof to support the spring at the heel of the same.