

No. 6544. Machine for Baking Bread and Cooking Cattle Feed.*(Machine à cuire le pain et les aliments des bestiaux.)*

John Carroll, Strathroy, Ont., 15th September, 1876, for 5 years.

Claim.—The concentric cylinders A and B placed within the other A being a fire chamber and B a receptacle for water, L door at fire chamber. G ventilator or draught, smoke stack D, guage E pipe K, steam box I, feeder L, cooking chamber O, pipe M for heated steam and movable bottom P.

No. 6545. Device for Stretching Curtains.*(Appareil pour étendre les rideaux.)*

John S. Patterson, Toronto, Ont., 15th September, 1876, for 5 years.

Claim.—The stretcher frame E constructed with jointed bars A and B chamfered on the inner edge of face and cross bars C and D plain, and the combination therewith of the screws e hinges f clasps f, headless pins d, adjusting holes v and marks r.

No. 6546. Air Heating Stove Pipes.*(Tuyaux de poêles chauffant l'air.)*

George Taylor, Smith's Falls, Ont., 16th September, 1876, for 5 years.

Claim.—1st. The partition B dividing the stove pipe into an air chamber C and a smoke chamber D, in combination with the stove pipe A. 2nd. The air chamber B having the entrance opening I with a damper G and the exit opening F, in combination with the smoke chamber D.

No. 6547. Manufacture of Gas for Burning.*(Fabrication du gaz de chauffage)*

Thomas B. Redwood, London, Eng., 16th September, 1876, for 5 years.

Claim.—1st. Causing gas distilled from coal, after it has been passed through the hydraulic main, to come in contact with copper or an alloy of copper kept in a highly heated state and arranged so as to expose a large extent of surface; 2nd. The use of tubes of copper or an alloy of copper in the converter arranged so as to subdivide the current of gas and expose a large extent of highly heated surface.

No. 6548. Improvements on Sewing Machines. *(Perfectionnements aux machines à coudre.)*

Charles Schunoff, Chicago, Ill., U. S., 16th September, 1876, for 5 years.

Claim.—1st. The friction feed wheel B, the cog wheel B₁ and I, the friction wheel L and its slide I₁, the connecting rod H, lever D₁ and the operating cam C₁. 2nd. The cam C₁, lever D₁, link d and lever E. 3rd. The levers D₁ and G, rod F, pin G₁, bar i and spring i₁, arranged so as to control the contact of the friction bar I with the wheel L. 4th. The ways I, friction slide I₁, spring i, rod H, levers D₁ and cam C₁. 5th. The adjustable stop K in connection with the sliding friction bar I for regulating and adjusting the length of stroke of the slide I and consequently the length of the stitches made by the machine. 6th. The automatic indicator M N O O K K₁ K₂.

No. 6549. Water Forcing Elevator.*(Élévateur à eau foulant.)*

Daniel Conrod, Toronto, Ont., 16th September, 1876, for 5 years.

Claim.—The utilization or application of compressed air for forcing and elevating water and all liquids from low to high levels and from any one place or position to any other place or position; 2nd. The combination for such purpose of A B B₁ C D D₁ D₂ E F G H K with or without a wooden piston I J.

No. 6550. Improvements in Quartz Mill.*(Perfectionnements aux moulins à quartz.)*

David D. Mallory, Mystic Bridge, Ct., U. S., 16th September, 1876, for 5 years.

Claim.—1st. The combination with a suitable casing A of two or more wheels or beaters B B₂ &c., revolving in the same direction and projecting their particles against each other at the point m; 2nd. In combination with the two or more wheels or beaters B B₂ &c., enclosing casing A and suitable feeding and discharge passages, the lining c of hila m, so that being treated accumulated within the casing A; 3rd. In combination with the casing A and two or more revolving wheels or beaters B B₂, the discharge passages c, separating chamber E and return passage e, adapted to assort the particles and carry the coarser particles into the feed passage G. 4th. Two or more wheels or beaters in combination with each other and with an enclosing case so operated that the particles are thrown from the beaters of one wheel against the beaters of another wheel, or against particles thrown from the latter moving in an opposite direction with an increased effect.

No. 6551. Hay Rake. *(Râteau à foin.)*

Charles I. Corbin, East-Oxford, Ont., 16th September, 1876, for 5 years.

Claim.—1st. The combination of the iron bands c c with the hooked braces F F and the application thereto of the slide G and the tightening screw M. 2nd. The combination of the more simple form of the iron frames D D with the more simply formed springs E E.

No. 6552. Improvements on Coal Stoves.*(Perfectionnements aux poêles à charbon.)*

George Bingleman (Assignee of Harmon Gillmore), Simcoe, Ont., 16th September, 1876, for 5 years.

Claim.—1st. The combination of the central pipes A A in sections and the branch pipes B B. 2nd. The combination with the central pipes A A and B B of the horizontally arranged shaker in sections D D.

No. 6553. Improvements on Construction of Railways.*(Perfectionnements dans la construction des railoutes.)*

Charles Hughes, William Angus, John Macfarlane and James Macfarlane, Montreal, Que. 16th September 1876, for 5 years.

Claim.—1st. The combination of the switches d g with rails a b c and i f. 2nd. The combination of the bar n links o and q with switches g and h. 3rd. The combination of the bar n link o and arm r with switches d and i. 4th. The chair s having bridge piece v and flared or bevelled end. 5th. The chair u flared or bevelled at both ends having bridge piece v. 6th. The rail t, having flange w.

No. 6554. Bench Vice. *(Etau d'établi.)*

Auselm Vailleux, New Richmond, Wis., U. S., 16th September, 1876, for 5 years.

Claim.—The perforated sliding bar D provided with a slot at its outer end for the reception of the wedge b and the stationary jaw B having the dog a, in combination with the movable spring jaw B, toggies G G and sliding bar F.

No. 6555. Improvements in Piston Packings.*(Perfectionnements des boîtes d'étoupe.)*

Jackson Richards, George W. Waitt, John Haldeman and William H. Malin, Philadelphia, Pa., U. S., 16th September, 1876, for 5 years.

Claim.—1st. The combination of the clips F fillings h and spring H, with the arms or lugs and packing rings C C and D for setting out the packing. 2nd. The combination of a spring H with the inner packing ring D having a pin j and a clip F having a steady pin f whereby to prevent the turning around of said ring D.

No. 6556. Spring Motor. *(Moteur a ressort.)*

Edwin Lambkin, Sebawang, Ont., 16th September, 1876, for 10 years.

Claim.—1st. The combination of the drum F, combined end cap and bevel wheel X, spring G, rings H and interposed disk or disks I with the shaft E to be driven. 2nd. The combination of the pulley or drum T, the strap U, the pivoted bar W and the bent lever X, with the shaft P and the gear wheels N O Q R that connect the spring drum G H F with the axle or shaft D to be driven. 3rd. The combination of the fork Z, the arms A C, the sliding bar B and the sliding sleeve S, with the gear wheel R of the axle or shaft D and with the lever X that operates the brake T U W.

No. 6557. Improvements in Planing Machines. *(Perfectionnements aux machines à raboter.)*

Ira F. Thompson, Boston, and John E. Wheeler, Lynn Mass. U. S., 16th September, 1876, for 5 years.

Claim.—1st. The combination of one or more knives A with one or more yielding pressure bars B. 2nd. Two or more knives and two or more yielding pressure bars, each knife being provided with its respective pressure bar. 3rd. The combination of the yielding supports D and slots a with the set screw b.

No. 6558. Potato Crull Machine.*(Machine à trancher les patates.)*

Anaxamander Herring, Crown Point, N. Y., U. S., 16th September, 1876, for 5 years.

Claim.—1st. The combination of the fork B and a slicing knife back L, turning upon a pivot K. 2nd. The process of making crulls of continuous strips cut or shaved from the periphery or sides of a potato; 3rd. A crull formed of a continuous strip or ribbon shaved off from the body of the potato previous to cooking.

No. 6559. Car Axle. *(Essieu de wagon.)*

George W. Miltimore, Jamesville, Wis., U. S., 16th September, 1876, for 5 years.

Claim.—1st. The outer axle or sleeve made of a lateral wrought iron section and cast iron end section. 2nd. The inner stationary axle having a horizontal and vertical oil duct or channel with a rotating feed pin, in combination with an air tight reservoir of the pedestal box and with the revolving journal box of the outer sleeve or axle. 3rd. The combination with the pedestal box of the stationary axle having a cork disk washer and hollow screw plug to form the oil tight joint between the pedestal box and axle. 4th. The combination of the closing screw nut or cap of the outer axle or sleeve, said cap having an outer rim or lid with a drip oil chamber below the stationary axle. 5th. The combination of the revolving journal box having a convex annular part and tapering ends with the annularly concaved and inclined revolving sleeve and intermediate ring to provide for the oscillating motion of the journal box. 6th. The combination of the outer closing nut or cap of the revolving sleeve and wheel with the fixed pedestal box and a loose intermediate washer or ring to take up the lateral motion between the pedestal block and end of screw nut so as to remove it from the journal box.