

No. 6560. Portable Engine. (*Machine portative.*)

John Abell, Woodbridge, Ont., 18th of September, 1876 (extension of patent No. 1173), for 5 years.

Claim.—The combination of the (exhaust) steam chamber A and water pipes or tubes b arranged in the frame of a portable engine and forming a heater.

No. 6561. Improvements in Water Conductors. (*Perfectionnements dans les tuyaux d'eau.*)

Joseph Archer, Quebec, Que., 19th September, 1876 (extension of patent No. 1153), for 5 years.

Claim.—The opening in conductors which prevents them from bursting by ice.

No. 6562. Soap Boiling Apparatus.

(*Appareil à cuire le savon.*)

Archibald O. Glass, Detroit, Mich., U. S., 19th September, 1876 (extension of patent No. 6412), for 5 years.

No. 6563. Soap Boiling Apparatus.

(*Appareil à cuire le savon.*)

Archibald O. Glass, Detroit, Mich., U. S., 20th September, 1876 (extension of patent No. 6412), for 5 years.

No. 6564. Improvements on Baker's Combined Hand Scoop and Sifter.

(*Perfectionnements à l'écoupe tamis dit "de Baker."*)

Joseph Baker, Trenton, Ont., 21st September, 1876 (extension of Patent No. 1154), for 5 years.

Claim.—1st. The sifter B and its combination with scoop A and the power of replacing it as required; 2nd. The combination and arrangement of the detachable spring F and thumb knob G with agitator H, and the power to remove and replace said spring at will.

No. 6565. Process for making Manure or Compost. (*Procédé pour faire de l'engrais ou des composts.*)

George A. Kay, Sussex, N. B., 25th September, 1876, for 5 years.

Claim.—1st. The process of making manure or compost by mixing of lime, potash, vegetable matter and water.

No. 6566. Art of Pressing and Bundling Cigars. (*Mode de pressage et de mise en boîte des cigares.*)

Mona Lesser and Esther Jacobs, Montreal, Que., 25th September, 1876, for 5 years.

Claim.—1st. A package or bundle of cigars enveloped in a sheet of wood veneer; 2nd. The process of pressing cigars, while in a green state, by binding them together in a sheet of wood veneer.

No. 6567. Improvements in Tool Holders and Cutting Tools.

(*Perfectionnements aux porte-outils et instruments tranchants.*)

Alfred J. New, Reuben A. Matthews and William H. Berry, Nottingham, Eng., 25th September, 1876, for 5 years.

Claim.—1st. The construction of the tool holder; 2nd. The three special sections of steel particularly adapted for the rectangular tapered slot of the tool holder.

No. 6568. Combination for Scraping and Brushing Boots.

(*Appareil à décoller et cirer les chaussures.*)

Charles L. Minskowsky, Breslau, Ont., 25th September, 1876, for 5 years.

Claim.—The combination of the scrapers with the brush box.

No. 6569. Door Spring. (*Ressort de porte.*)

Charles T. Sabin, Montpelier, Vt., U. S., 25th September, 1876, for 5 years.

Claim.—The detent or pin D provided with the retracting spring b in combination with the case B, disc A having perforations and lever C.

No. 6570. Improvements in Lamps.

(*Perfectionnements dans les lampes.*)

George D. Burton, New Ipswich, N. H., U. S., 25th September, 1876, for 5 years.

Claim.—1st. The combination with the frame lantern and lamp suspended by means of a chain D in the post A B N, of the grooved weight K and pin or bolt L. 2nd. The combination of the weight K, chain or chains D, curved arm or curved arms C, sliding frame E and pin or bolt L.

No. 6571. Ditching Plough.

(*Charrue à fossoyer.*)

Hugh Derby, Templeton, Que. 25th September, 1876, for 5 years.

Claim.—1st. A ditching plough with double mould boards G in combination with the double cutting point D; 2nd. The double cutting point D with round curved centre D3, the bars S, slot T, standard S2, pin S3 and bar O, 3rd. The mould boards with curves C, straight portions G2 and upward and outward curved projection G3.

No. 6572. Improvements in Harvesters.

(*Perfectionnements aux moissonneuses.*)

Christopher C. Bradley (Assignee of Robert D. Warner), Syracuse, N. Y., U. S., 25th September, 1876, for 5 years.

Claim.—1st. The method of automatically opening and closing the gate of a harvester rake cam way by means of the rake arms; 2nd. Harvester rake arms provided with lugs in combination with, and adapted to, rotate the ratchet wheel I, 3rd. The ratchet wheel I provided with lift teeth a in combination with the weight lever K, the link piece M, angle arm N and the outlet gate F; 4th. The angle spring O in combination with the angle arm N and cam way E to keep the outlet gate F open; 5th. The link piece M provided with a hole f in combination with the weight lever K provided with the hole E, so arranged that when the holes are made to coincide and a pin passed through both the free extremity of the lever K will be out of contact with the lift teeth a to the end that all the arms may rake; 6th. The pins C on the weight lever K in combination with a right angular slot R in the link piece M, 7th. The combination of the balance weight P controlled by a cord or chain, the slotted link Q and the pin d upon the link piece M.

No. 6573. Improvements on Horse Rakes.

(*Perfectionnements aux rateaux à cheval.*)

James Henderson, Williamsburgh, and Thomas Campbell, Morrisburgh, Ont., 25th September, 1876, for 5 years.

Claim.—The combination of the levers C B E G and F with the lever A and with the rake head and bracket H secured to the frame of the rake

No. 6574. Improvements on Salt Evaporators.

(*Perfectionnements aux évaporateurs de saunerie.*)

Herbert Harrison, Godenich, Ont., and Natt Stickney, Braut, Mass., U. S. 25th September, 1876, for 5 years

Claim.—1st. The salt evaporator A consisting of a vertical brine cylinder A' encircling steam chamber A2, pocket D, valve E, trap door H and agitators D3; 2nd. The combination of the evaporators A, pipe K, evaporator L, pipes M and brine receiving tank M' all arranged for the purpose of utilizing the heat of the steam from the evaporator A; 3rd. The hinged trap door H, consisting of the metallic disc H1 with packing piece H2, hinged bar H' and lever cam L.

No. 6575. Vehicle Spring. (*Ressort de voiture.*)

Abel A. Crosby (Assignee of Sebastian Günzger) Rondaut N Y U S 25th September, 1876, for 5 years.

Claim.—1st. A coiled vehicle spring secured to the vehicle by a yielding fastening device, 2nd. The combination of a coiled vehicle spring with a yielding joint interposed between said spring and the body or axles of the vehicle.

No. 6576. Machine for Turning Shafting and Screws. (*Machine à tourner les axes et les vis.*)

Alexander Stewart, Dundas, Ont., 25th September, 1876, for 5 years.

Claim.—1st. The combination of the head piece A and the three sliding tool holders B B B; 2nd. The combination of the disc D with the tool holders B B B and the steady head A.

No. 6577. Fanning Mill. (*Tarrare.*)

Hector Munn, Arran, Ont., 25th September, 1876, for 5 years.

Claim.—1st. The fan wheel constructed of the hub a spokes b peripheral ring B and fans C combined; 2nd. The combination of the rack E, pinion F and shaft C with the hopper D for operating its slide; 3rd. The sieve G secured to bar e, hinged to the shoe and covering a spout H; 4th. The provision to the hopper D of the removable frame K composed of vertical slides fitting rectangularly and supported by the elongated posts L of the mill

No. 6578. Improvements on Wheels.

(*Perfectionnements aux roues.*)

George H. Stevens, Ionia, Mich., U. S., 25th September, 1876, for 5 years.

Claim.—1st. The hub having a lubricant chamber H surrounding the box and communicating with the interior thereof; 2nd. The same box J in combination with the cap F, core D and box G, and with the mortises A and flanges B; 3rd. The felly plate K with tenon socket L; 4th. The felly with shoulders opening P and spoke with short tenon; 5th. The mortises A and plate B, in combination with the core D and wedge E and cap F and with the shell C which, with the core, surrounds the box with an intervening chamber.