

No. 7303. Improvements on a Door Securer.*(Perfectionnements a une fermeture de porte.)*

William Ascoueb, Fort Erie, Ont., (Assignee of George M. Lindsay), 5th April, 1877, for 5 years.

Claim.—1st. The combination with the spring bow D having its jaw D, provided with the gatters *du*, intersecting each other at right angles of the spindle L, pivoted within the jaw D and having the trunnions *d* centrally, and a very coarse and tapering screw thread on its extremity, and the two part nut C secured to the door A and jamb B; 2nd. The combined portable door fastener and watch key constructed and arranged to operate in the manner described.

No. 7304. Machine for Washing Clothes.*(Machine à laver le linge.)*

Joseph W. L. Darby, Yarmouth, N. S., 5th April, 1877, for 5 years.

Claim.—The combination of the funnel A, vertical cylinder B and strengthening plate C.

No. 7305. Improvements in Roller Skates.*(Perfectionnements aux patins à roulettes.)*

Cyrus W. Saladee, Washington, D. C., U. S., 5th April, 1877, for 5 years.

Claim.—1st. A parlor skate supported by rollers at the front and rear, having caster-like attachments and movements; 2nd. A parlor skate supported at each end by a roller or rollers, capable of a limited caster movement round a pivot in front of the axle and retracted by a spring; 3rd. A parlor skate in which the front stock supported by front and rear roller frames has its bearings at each end, upon a roller frame, in front of the roller axle; 4th. A roller skate in which the stock has its bearings upon the roller frames and one of the latter bears upon and counter balances the other; 5th. The combination in a parlor skate of roller frames and axles to support a single roller at the centre, or two rollers on opposite sides of the centre; 6th. The roller frame adapted to carry one or more rollers; 7th. A roller skate supported by two rollers each of sufficient width to maintain the skate in an upright position; 8th. The spring *h*; 9th. A roller skate provided with vitreous rollers; 10th. A vitreous roller adapted to roller skates; 11th. The combination in a skate of horizontally swivelling rollers and a foot piece having an independent tilting movement above said rollers; 12th. The combination of the tilting foot piece pivoted to the roller supports, the elastic material N and screws S S.

No. 7306. Machine for Cutting the Notches on the Beam of Weighing Scales.*(Machine à encocher le fléau des balances.)*

Hugh Hennessey, Hamilton, Ont., 5th April, 1877, for 5 years.

Claim.—1st. The circular revolving notcher B, working on the spindle of the lathe, in connection with the movable holder A; 2nd. The tightening screws L, in connection with the dogs d and the adjusting screws F upon the holder A; 3rd. The holder A secured to the lathe rest by nuts and bolts or equivalents, the whole forming a separate attachment to the ordinary lathe.

No. 7307. Improvements on Medical Compositions.*(Perfectionnements aux composés médicinaux.)*

Ellen Kohrer, Monmouth, Oregon, U. S., 5th April, 1877, for 5 years.

Claim.—The medical composition composed of consumption root (Jacob's Ladder or Polonium Reptans) and mountain balm (Friedycton Californicum or Wigandia).

No. 7308. Combined Horse Hoe and Seed Drill.*(Houe à cheval et traceur a grain combinés.)*

William H. Rowe, Port Perry, Ont., 5th April, 1877, for 5 years.

Claim.—The rectangular frame A mounted on wheels B B, journaled on a crank shaft having a quadrant C operated by a lever D and connecting rods G, said frame A having handles e, ploughs F E, secured thereto opposite to each other, the land side outwardly and carrying a drill opener I and seed box K having a spout J and seed distributing wheel L, driven by pulley M and belt N, and adjustable and detachable frames F F carrying rollers G H, the latter provided with belt pulley O for operating the said wheel L.

No. 7309. Improvements on Fountain Lamps.*(Perfectionnements aux lampes-fontaines.)*

William A. Butler, New York, U. S., 5th April, 1877, for 5 years.

Claim.—1st. The combination with the oil chamber L, having valvular openings *e* and *l* in its top and bottom, of the valves *f* and *m* connected by a valve stem and a spring *t* to close the upper and open the lower valve; 2nd. The auxiliary draft passage through the supporting arm C; 3rd. The combination with the wick feeder or tubular screw *ci*, and the wick carrier *w* of the rod or bar *d* extending downward through the inner tube *v* of the burner for turning said wick feeder *ci*; 4th. In an argand burner, the tubes *l* and *s* made with an opening or openings, between their upper ends, to allow oil to run into the burner through the annular space between said tubes when the wick is raised.

No. 7310. Improvements on Carburettors.*(Perfectionnements aux carbureteurs.)*

Cornelius Godfrey, Huntington, N. Y., U. S., 5th April, 1877, for 5 years.

Claim.—1st. A carburetor provided with a float E in the interior thereof that rises and falls as the supply of oil or fluid is increased or diminished, for the purpose of maintaining an equitable proportion of air and vapour in the mixing chamber; 2nd. A carburetor provided with a float E that rises and falls, as the supply of oil or fluid is increased or diminished, and supplied with compressed air by means of an expelled current forced thereto, through the medium of connecting pipes, from some suitable air forcing apparatus; 3rd. The combination, in a carburetor provided with suitable material or appliances for vaporizing the fluid, of a float E and one or more revolving arms K; 4th. The cylinder B and cover C, both of felt or other fibrous material; 5th. In combination with the cover C of felt or other

shullar fibrous material, the wicks or syphons D of fibrous material; 6th. The tube L, closed at its upper end, and the tube H combined and arranged with each other and with the float E; 7th. The tube I, when provided with a perforation *b* at its upper end, and combined and arranged with the tube H and float E.

No. 7311. Improvements on Paddle-wheels.*(Perfectionnements aux roues à aubes.)*

William C. Thompson, Tipton, Tenn., U. S., 5th April, 1877, for 5 years.

Claim.—1st. A paddle wheel provided with pivoted paddles which extend across the wheel and are reversible by the action of gravity; 2nd. The combination of disks C C with paddles, pivoted directly thereto, and stop rod D.

No. 7312. Process of Preparing Coffee.*(Procédé de préparation du café.)*

Richard Goundry, London, Eng., 9th April, 1877, for 5 years.

Claim.—1st. Crushing or pulverizing freshly roasted berries and compressing the same with or without the addition of chicory, in moulds; 2nd. A package or tablet of coffee with or without the addition of chicory, solidified by compression; 3rd. A package of pulverized or crushed coffee, with or without admixture with chicory, solidified by compression having indentations or grooves A; 4th. A moulded package of coffee having a tinfoil wrapping.

No. 7313. Sleigh Brake and Dog Combined.*(Ensemble en carayure de traîneau.)*

John Powell, Asphodel, Ont., 9th April, 1877, for 10 years.

Claim.—The combination of the drag and dog C C, the lever D D and catch B B.

No. 7314. Improvements on Roofing Compositions.*(Perfectionnements aux composés à toitures.)*

Carleton B. Hutelms, Ann Arbor, Mich., U. S., 9th April, 1877, for 5 years.

Claim.—A roofing composition composed of melted resin or tar or the oil of rosin or oil of tar, or paraffine oil, cattles hair or tow, wheat bran coarse middlings, fine middlings and ground stone or mineral paint, the whole mixed in the proportions set forth.

No. 7315. Improvements on Mortising Machines.*(Perfectionnements aux machines à mortiser.)*

Henry Carter and Daniel Stewart, Aylmer, Ont., 9th April, 1877, for 5 years.

Claim.—1st. The gate C having vertical motion, and a frame F having horizontal movement, both operating a rotary bit holder J reciprocally whereby the bit is caused to bore vertically and cut horizontally, alternately with its penetration for cutting a mortise; 2nd. In combination with a bit holder in a frame F moving horizontally, a gate C connected to a tilting frame D operated by rod connection *m* with a ratchet bar L, past *n* and a rock shaft P provided with adjustable culpers *o*, whereby the gate is dropped step by step intermittently with the horizontal movement of the frame F; 3rd. In combination with a gate C having an intermittent motion vertically, a frame F carrying a rotary bit holder J having reciprocal motion horizontally operated by a rock shaft *p*, pinion *q*, and rack bars *s*, whereby the frame is moved horizontally at each intermittent motion of the gate; 4th. In combination with the frame F having horizontal motion, the gate C having vertical motion, the hollow shaft G provided with bell drum H and enclosing a bit holder J having sliding motion therein by means of the slot *g* and projection *k*.

No. 7316. Improvements on Gas Retorts.*(Perfectionnements aux cornues a gaz.)*

James Burns, London, Ont., 9th April, 1877, for 5 years.

Claim.—1st. The tubular retort B to receive the generated gas, in combination with retort A; 2nd. The oil retort C, in combination with retort A and communicating therewith.

No. 7317. Improvements on a Steam Cooking Apparatus.*(Perfectionnements à un appareil de cuisine à vapeur.)*

Charles R. Gilbert and Frank E. Brown, Canaseraga, N. Y., U. S., 2th April, 1877, for 5 years.

Claim.—1st. The combination with the vessel A of a series of cooking vessels L, placed one above the other by means of the tapering bottoms *l* and each provided with a central conducting tube G having apertures *h*; 2nd. The combination with the vessel L, of the central conducting tube G having the coupling *l* and socket *s*.

No. 7318. Improvements on Tape-line Measures.*(Perfectionnements aux rubans-mesures.)*

William J. May, Chicago, Ill., and Le Roi B. Wadleigh, Lyons, Iowa U. S., 9th April, 1877, for 5 years.

Claim.—A series of columns to indicate aggregate quantities, obtained by successive measurements, and having figures to indicate the lengths to which each column is intended to be applied marked on the shell opposite its perpendicular column.

No. 7319. Improvements in Fences.*(Perfectionnements dans les clôtures.)*

James Burt, Erin, Ont., 9th April, 1877, for 5 years.

Claim.—The pickets A and rails B and C, or their equivalent joined to the checked posts D, in combination with the picket fastener E and staple F.