

weight block H, provided with a groove V. 6th. The combination, with the pivoted frame D, of the weight block H, the sliding rack J attached to the weight block, the cog wheel L engaging with the rack J, and of devices for rotating this cog wheel L. 7th. The combination, with the pivoted frame D, the sliding weight block H, the rack J, the cog wheel L, the crank arm M, the rod N and the crank handle O. 8th. The combination, with the pivoted lifting frame D, of the cross bar P, a spring balance contained in a casing Q on the bar P, and the grapples T attached to the spring balance.

No. 14,579. Improvements in Glass Presses for the Manufacture of Insulators. (*Perfectionnements dans les presses à verre pour la fabrication des isoloirs.*)

Robert Hemingray, Covington, Ky., U. S., 11th April, 1882; for 5 years.

Claim.—1st. The combination of the standard A, bracket B, spindle-carrier B₁, pinion C, handwheel C₂, chain F and weight F₁. 2nd. The spindle-carrier B₁ in combination with the spindle D, handwheel D₂, chain F and weight F₁. 3rd. The spindle-carrier B₁ provided with head E₁ in combination with the spindle D provided with shoulder d and the handwheel D₂. 4th. The combination of the spindle-carrier B₁ and removable head E₁, and the spindle D provided with enlarged portion D₁, screw E and the handwheel D₂. 5th. The combination of the spindle D, chain F, weight F₁ and the spindle-carrier B₁ provided with rack b, pinion C and handwheel C₂, and a suitable supporting frame. 6th. The combination of the spindle-carrier B₁ provided with the head E₁ and rack b, spindle D provided with enlarged portion D₁ and shoulder d, handwheel D₂, chain F, weight F₁, pinion C and handwheel C₂, and suitable supporting frame.

No. 14,580. Improvements in Coats. (*Perfectionnements dans les habits.*)

Nils Malmar, Brooklyn, N. Y., U. S., 11th April, 1882; for 5 years.

Claim.—1st. A supplementary lining B C consisting of the combination of the sleeve lining C and body-lining B made in one piece by being permanently secured together at the shoulder, and adapted to be attached as a complete temporary inner lining to a coat. 2nd. A supplementary lining-sleeve C, adapted to be attached as a temporary inner sleeve lining to a coat.

No. 14,581. Improvements on Wood Polishing Machines. (*Perfectionnements aux machines à polir le bois.*)

James L. Perry and Charles A. Mather, Berlin, Wis., U. S., 11th April, 1882; for 5 years.

Claim.—1st. The combination of the two polishing rollers, the finishing brush and means for adjusting the brush with its tips just in contact with the object to be polished. 2nd. A roller having a body portion filling-sections composed of two pieces of brussels carpet, and an intermediate layer of paper felting, the faces of the two pieces of carpet being turned toward each other, with their loops bearing against the paper felting and the coverings of rubber and sand paper. 3rd. The frame carrying the polishing rollers, in combination with the table carrying the brush and hinged to the frame.

No. 14,582. Process of Treating and Preparing Certain products to be used for Making Beverages. (*Procédé de traitement et de préparation de certain produits pour la fabrication des breuvages.*)

C. Van Outrive-Carlier, Roulers, and Arthur W. Elliott, Bruges, Belgium, 12th April, 1882; for 5 years.

Claim.—1st. Preparing maize or Indian corn to obtain a product for making beverages, by roasting the maize or corn, then submitting it to a cooling operation, and then finally grinding or crushing it. 2nd. Preparing maize or Indian corn to obtain a product for making beverages by roasting the maize or corn with a small proportion of sand or other suitable material, which is subsequently removed, then submitting the roasted grain to a cooling operation, and then finally grinding or crushing it. 3rd. As a new product for making beverages, in roasted and ground maize or Indian corn. 4th. The new compound for making beverages consisting of roasted and ground maize or Indian corn, prepared, roasted and ground chicory, and roasted and ground coffee, all intimately mixed together.

No. 14,583. Improvements in Toy Whips and Cane Handles. (*Perfectionnements aux fourts, jouets et aux poignées des canes.*)

Myron A. Gilman, Westfield, Mass., U. S., 11th April, 1882; for 5 years.

Claim.—1st. The combination of the cork or substance G, the string M, the outside or shell P P, with the barrels a and N, the cork or substance C, the shoulders K K L L and the rod B, together with a whip or cane. 2nd. The cork or substance G, the string M, the outside or shell P P, with the barrels a and N, the cork substance c, the shoulders K K L L and the rod B.

No. 14,584. Improvements on Furnaces. (*Perfectionnements aux calorifères.*)

Octave Charland, Gentilly, Que., 11th April, 1882; (Extension of Patent No. 7342.)

No. 14,585. Improvements on Refrigerators. (*Perfectionnements aux garde-manger.*)

David W. Davis and Edward W. Voigt, Detroit, Mich., U. S., 11th April, 1882; for 5 years.

Claim.—1st. A chamber provided with an ice receptacle near the top of said chamber and supported from below, and with a top adapted when in use to compel a circulation of air in said chamber around the sides and over the top of such ice receptacle. 2nd. A chamber provided with an ice receptacle, the legs of which rest in drip pans, which are supported upon ledges and are provided with drip pipes. 3rd. A chamber provided with an ice receptacle, the ends of said receptacle forming a tight connection with the ceiling of the chamber, while the side walls of said receptacle are upon a lower plane to allow a circulation of air laterally over the top of such receptacle. 4th. The combination, in a refrigerating chamber car, of the W-shaped ice receptacle E, drip pans b, ledges a, supports D and openings and stops G.

No. 14,586. Spirometer. (*Spiromètre.*)

Mathieu Souvielle, Montreal, Que., 12th April, 1882; (Extension of Patent No. 14,427.)

No. 14,587. Spirometer. (*Spiromètre.*)

Mathieu Souvielle, Montreal, Que., 12th April, 1882. (Extension of Patent No. 14,427.)

No. 14,588. Improvements on Harvesting and Binding Machines. (*Perfectionnements aux moissonneuses-lieuses.*)

Whiteley, Fassler and Kelly, (Assignees of William N. Whiteley and William Bayley,) Springfield, Ohio, U. S., 13th April, 1882; (Extension of Patent No. 14,483.)

No. 14,589. Improvements on Harvesting and Binding Machines. (*Perfectionnements aux moissonneuses-lieuses.*)

Whiteley, Fassler and Kelly, (Assignees of William N. Whiteley and William Bayley,) Springfield, Ohio, U. S., 14th April, 1882; (Extension of Patent No. 14,483.)

No. 14,590. Improvements in Combined Burglar-Alarms and Door Bolts. (*Perfectionnements aux alarme-rouleurs et aux verrous des portes combinés.*)

Reuben M. Patchin, Wayland, N. Y., U. S., 15th April, 1882; for 5 years.

Claim.—1st. In a combined door bolt and alarm, a bolt having its body made of tubular form to receive a cartridge or powder charge. 2nd. The combination of a socket or clamp adapted for application to a wall or casing, a tubular fastening bolt held thereby, and a firing mechanism mounted on the bolt and arranged to be actuated by a door or window. 3rd. The combination of the clamp or socket provided with the screw, the tubular bolt provided with the side opening, and the notch or shoulder therein, the spring and the sliding plunger provided with the side arm. 4th. The bolt provided with the cartridge-receiving chamber, in combination with the breech plug having the nipple, and the plunger having the plain centre and side lip.

No. 14,591. Improvements on Saw-Guides. (*Perfectionnements aux guide-scies.*)

John P. Hall, Bluffton, Ind., U. S., 15th April, 1882; for 5 years.

Claim.—1st. The base plate A, having the lever D pivoted on a boss projecting therefrom, and having at its bifurcated end the lug O, in combination with the screw-nut R connected thereto, and the adjusting screw-shaft T. 2nd. The base plate A east with the frustum-shaped boss C, in combination with the lever D and having screw-nut R, to operate in connection with the adjusting screw-shaft T, and means for connecting said lever to the base plate.

No. 14,592. Improvement on Boats. (*Perfectionnement des bateaux.*)

Charles L. King, Detroit, and Charles W. King, Kalamazoo, Mich., U. S., 15th April, 1882; for 5 years.

Claim.—1st. A boat or canoe frame, consisting of the gunwales A and keel B forming the bow and stern sections, adapted to be engaged or disengaged from the central or body section of such boat. 2nd. In a boat or canoe, secured to the stem and stern sections of the keel, the clips or fastenings d, in combination with the system of cords H. 3rd. In combination, in a sectional boat or canoe, the binding cord J and gunwales of said boat. 4th. In a sectional boat, the cord J in combination with a tightening device K. 5th. In a boat, the clips d grooved upon their outer faces, and adapted to secure the sections of the frame together, and to hold the gunwales and keel binding cords in place. 6th. In combination with the gunwales of a boat or canoe, the clips N and seat M.

No. 14,593. Improvements on Medical Compounds. (*Perfectionnements aux composés médicaux.*)

John R. H. Davis and Lemuel L. Davis, Silver Plume, Col., U. S., 15th April, 1882; for 5 years.

Claim.—The medical compound or mixture described, composed of sarsaparilla, wild cherry bark, honey-locust bark,andelion root, red haw bark and whiskey, in or about the proportions specified.

No. 14,594. Improvements in Pulverizer Disks. (*Perfectionnements aux disques des triturateurs.*)

Stephen P. M. Tasker, Philadelphia, Penn., U. S., 15th April, 1882; for 5 years.