

No. 15,060. Improvements on Lanterns.*(Perfectionnements aux lanternes.)*

Charles F. Anderson, Bay, Mich., U. S., 6th July, 1882; for 5 years.

Claim.—1st. The combination of the triangular bottom pieces D D with the rotating pieces H H, springs V V, and bail a. 2nd. The combination of the bail a with the top guides J J, and the bottom guides F F and copper washers L L. 3rd. The combination of the bevelled bottom band c, guides J J and F F with frame A. 4th. The combination of tube L with mica disk m, and cap Q with mica disk S, and knob R with frame A.

No. 15,061. Improvements in Life Preservers. *(Perfectionnements aux appareils de sauvetage.)*

Benjamin J. Willard, Portland, Me., U. S., 6th July, 1882; for 5 years.

Claim.—The life preserving belt or bag A, having walls C, inflating cock B, neck string a, body strings b, folds c and air passages d, the said bag or belt being shaped as described.

No. 15,062. Improvements on Stove Platforms. *(Perfectionnements aux sous-poêles.)*

Edwin W. L. Rice, Aurora, Ill., U. S., 6th July, 1882; for 15 years.

Claim.—1st. The combination, in a platform for stoves, of a wooden base or bed, a central metal plate and a set of inlaid tiles. 2nd. The combination, with a set or system of tiles, of a flanged exterior band or binding, and a flanged metallic centre piece, the band and centre piece serving to hold the tiles in place. 3rd. A base board constructed with a raised centre piece or block, combined with a metal cap secured thereto, and having a flange or flanges projecting beyond such block.

No. 15,063. Improvements on Platform Rocking Chairs. *Perfectionnements aux chaises à bascule.)*

Jacob Biersdorf and William I. Bunker, Chicago, Ill., U. S., 6th July, 1882; for 5 years.

Claim.—The combination, with the base rails A A' and rockers B B' resting upon such base rails, of the broad stiff spiral springs C C' connected rigidly with such base rails and rockers, and being both deflected and extended when the chair is rocked, such spring being oppositely coiled and controlling, wholly, the movement and position of the rockers on the base rails.

No. 15,064. Improvements on Reversible Cloaks. *(Perfectionnements aux paletots reversibles.)*

Hermann F. Bindseil and Leopold Weil, New York, N. Y., U. S., 8th July, 1882; for 5 years.

Claim.—1st. A reversible cloak composed of a silk covering, an intermediate layer of waterproof material, and of a lining of fur, quilted or other fabric, said layers or parts being connected at the sides, but the silk covering disconnected from the lining and waterproof material at the lower end, whereby the cloak may be reversed, so as to bring the silk covering or the waterproof material to the outside. 2nd. A reversible cloak consisting of a silk or other covering, an intermediate waterproof layer and a lining of fur, quilted or other fabric which are connected at the sides, but open at the upper and lower ends, said ends being provided with means for attaching the silk covering to either side of the connected lining and waterproof layer after reversing the cloak. 3rd. The combination, in a reversible cloak, of a silk covering, an intermediate layer of waterproof material, a lining of fur, quilted or other fabric, the layer or parts being connected at the sides, but open at the upper and lower edges, for being reversed, and provided with a double trimming along the side.

No. 15,065. Improvements on Fruit Evaporators. *(Perfectionnements aux séchoirs à fruits.)*

John A. Bartholomew and Henry Bartholomew, Vanessa, Ont., (Assignees of Oscar F. Tiffany, Rochester, N. Y., U. S.,) 8th July, 1882; for 5 years.

Claim.—1st. The frame B with the ends projecting through side of case A, also slides G in case A. 2nd. The blocks on the under corners of trays C, also setting the trays alternately at each end of case A. 3rd. The combination of levers D with ropes E, and pulleys F attached to lower frame B. 4th. The combination of swinging clutches H with lower frame B and trays C.

No. 15,066. Improvements on Gates.*(Perfectionnements aux barrières.)*

Lysander Flagg, Riverside, R. I., (Assignee of James E. G. Maddox, Cincinnati, Ohio, and George P. Humphries, Alexandria, Ky.,) U. S., 8th July, 1882; for 5 years.

Claim.—1st. In a gate or grating, a series of upright and a series of cross and connecting braces pivoted to the upright at suitable central points, and having upper and lower sliding points of connections with the upright combined with an upper and a lower series of knuckles, for strengthening the top and bottom portions of the area of the gate or grating. 2nd. In a grate or grating, a series of uprights and a series of cross and connecting braces pivoted to the upright at suitable central points and having upper and lower sliding points of connection with the uprights combined with an upper and lower series of knuckles and a series of jointed and pivoted braces united in pairs by a vertical brace or hand hold.

No. 15,067. Improvements on Fire-Proof Boxes, Safes and Material. *(Perfectionnements aux coffres-forts et aux matériaux réfractaires.)*

John H. Nolan and Moody Merrill, Boston, Mass., U. S., 8th July, 1881; for 5 years.

Claim.—1st. A fire-proof box. 2nd. A fire-proof box consisting of a metal shell and metal stiffening and lining protecting plates or edges packed with fire-proof material. 3rd. A method of forming a sheet metal box cover. 4th. A sheet metal box cover formed from a metal blank. 5th. A fire-proof safe consisting essentially of a metal shell enclosing alternate layers of fire-proof material and carbonizable lining. 6th. A fire-proof box having provision for expansion of the fire-proof material about the sides of the door, or the door jamb and cover. 7th. A fire-proof safe having both sides of its door, and the door jamb formed of two metal plates, between which is interposed fire-proof non-conducting material, whereby the transmission of heat by metallic contact from the exterior of safes to the interior is prevented. 8th. A safe having attached to the inner plate of the door, a frame and boxes adapted to slide in the frame. 9th. The fire-proof material consisting of a layer or mass of a heat resisting nature, enveloped or lined wholly or in part by a heat resisting layer or material, such as specified, adapted to become carbonized, at a high temperature without losing its cohesion and to protect the first named layer.

No. 15,068. Improvements in Knob spindle Fastenings. *(Perfectionnements aux ajustages des axes de boutons de portes.)*

Francis Lattimer, Richmond, Alvin C. Van Meter, Hiram Hyde, William H. Bates, William McCully, Alexander L. McKenzie and John Ahern, Truro, N. S., 8th July, 1882; for 5 years.

Claim.—1st. The combination, with the block B and the spindle F, of the knobs E having extended shanks D provided with ring grooves F, and the slotted plates G, whereby the knobs are securely fastened in place. 2nd. The combination, with the slotted plates G and the lock B, having narrow face plates H, of the under second plate I whereby the outer ends of the slotted plates are covered and the said slotted plates secured in place. 3rd. In a mortise lock, the knobs C made with extended shanks D having ring grooves F around their ends, to adapt the knobs to be secured in place by slotted plates. 4th. The adjustable extended shank D, whereby the said extended shank, being regulated to the thickness of any door, is kept from turning and becoming loose by the square knob spindle C passing into the square aperture in the bolt L.

No. 15,069. Improvements on Secondary Cells and Batteries or Apparatus for Storing Electricity. *(Perfectionnements aux piles secondaires et aux batteries accumulateurs, ou appareils à emmagasiner l'électricité.)*

Joseph W. Swan, Newcastle-on-Tyne, Eng., 8th July, 1882; for 5 years.

Claim.—1st. The preparation of lead plates for use in secondary voltaic cells by the combined action of acetic acid, carbonic acid and atmospheric air, and the subsequent reduction of the carbonate of lead formed to metallic lead. 2nd. The protecting portions of the plates by the application of paint or varnish, or other suitable resist.

No. 15,070. Improvements on Adjustable Blanket Fasteners. *(Perfectionnements aux garnitures mobiles des couvertes.)*

Ehner E. Brown and George E. Bird, Portland, Me., U. S., 8th July, 1882; for 5 years.

Claim.—1st. In a fastener for horse blankets consisting of rings, or their equivalents, attached to the side of the blanket and straps with hooks at each end thereof, said straps extending from said rings to corresponding rings upon the opposite side of the blanket. 2nd. Two or more transverse straps provided with end attaching devices and a longitudinal strap connected to said straps, the whole adapted to be applied underneath the belly of the animal and to be attached to each side of the blanket. 3rd. The combination, with a horse blanket provided with suitable side receiving attachments, of the transverse straps connected by a longitudinal strap, the transverse straps being provided with suitable end attaching devices adapted to cooperate with the receiving attachments of the blanket. 4th. The adjustable transverse straps, the adjustable longitudinal strap provided with end loops through which the transverse straps may slide, and the end attaching devices adapted to cooperate with suitable receiving devices upon the sides of the blanket. 5th. The combination, in a fastener for horse blankets, of the rings f, transverse straps d d with hooks h h and strap c.

No. 15,071. Improvements on Vats for Heating and Saturating hoops or wood. *(Perfectionnements aux cuves de chauffage pour les cercles et le bois.)*

David H. Burrill and Walter W. Whitman, Little Falls, N. Y., U. S., 8th July, 1882; for 15 years.

Claim.—1st. The apparatus for heating and saturating barrel hoops, planks and other timber consisting of the vat A provided with receptacle D, partition E, pipe F and covers C C'. 2nd. In a water vat for heating and saturating hoops, planks and other timber, the combination, with the vat A having partition E, of the detachable receptacle D secured to said vat, for the purpose of affording space to pack a column of material. 3rd. In a water vat for heating and saturating hoops or other similar material, the combination, with the vat A, receptacle D and partition C, of the water and steam pipe F.