

provided with capsule end adapted to connect with the boiler mouth and having the bulb *d* adapted to hold a sponge, and provided with a union, and the mouth piece *c*, at the end of a tube provided with a union adapted to connect with said bulb, substantially as set forth. 3rd. In a combined vaporizer and inhaler, the combination, with a boiler and mouth piece, of a bulb adapted to hold a removable sponge interposed in a tubular passage conducting the vapors from the boiler to the mouth-piece, substantially as set forth.

#### No. 35,174. Card Holder. (*Porte-carte.*)

William Eugene Thurber, Cleveland, Ohio, U.S.A., 10th October, 1890; 5 years.

*Claim.*—1st. In a card holder for cards, a holding frame having a flat edge to rest against the card, and a pair of cross bars above the plane of the holder frame, having spurs to engage the card, in combination, with the bracket 15, having integral therewith the bearings 14, open on their under side, and rests 16, for the card, the spindle 13, and the springs 17, in said bearings, substantially as described. 2nd. In a card holder for cards, a single supporting bracket, having bearings for the pivot spindle extending above the flat inner face of the bracket, and open on their inner sides, and closed at their ends, in combination, with a spindle in said bearings, a holder frame pivoted thereon, and springs on the spindle pressing on said frame, substantially as described. 3rd. In a holder for cards, on railway cars, a substantially rectangular frame, having a pair of cross-bars cast in the same piece with the frame, and extending beyond the edge of the same, and having openings for the pivot-spindle, in combination with the said spindle extending at each end beyond the cross-bars, a bracket formed in a single piece and provided with bearings 14, for said spindle, and rests 16, for the card, and stops to limit the movement of the holder-frame, substantially as described.

#### No. 35,175. Turnip Cutter. (*Coupe-racines.*)

John Burr, Chippawa Hill, Ontario, Canada, 10th October, 1890; 5 years.

*Claim.*—1st. In a turnip cutter, the combination of a rectangular box, a steep sloping bottom extending from near the upper edge at the rear to about the center near the lower edge, a rocking bottom pivoted under the lower edge of said sloping bottom, having its pivots or rocking shaft journaled in the sides of the box, and its front edge extending a little beyond the inner face of the front end, a handle secured to the rear of the rocking bottom, and extending through a slot in the rear end, a transverse slot in the front end extending upwards from about the level of the upper surface of the rocking bottom, a knife placed in said slot, flush with the inner face of said front, and with its cutting edge downward, and a concave or thin-tipped bar forming a part of the front of the box below said slot, substantially as set forth. 2nd. In a turnip cutter, the combination of the corner pieces *A*, the box sides *A'*, and ends *A''*, *A'''*, and *A''''* secured to said corner pieces, and forming a box therewith on legs, the slot *a''*, in the front *A''*, *A'''*, the vertical slot *a'*, in the rear end *A''''*, the sloping bottom *A''*, at the rear half of the box, the rocking bottom *B*, on shaft *B'*, journaled in the box sides, and secured with washers *b''*, and nuts *b'''*, the handle *B''*, on said bottom, the knife *C*, secured in the slot *a''*, by the bolt *C'*, to the front corner pieces, and the lower front end part *A'''*, thin-tipped on the inner face at the upper edge under the knife to allow the edge of the rocking bottom to project past the knife edge, substantially as set forth.

#### No. 35,176. Combined Cane and Camp Stool. (*Canne et siège de camp combinés.*)

Henry Hendrickson, Breckenridge, Missouri, U.S.A., 10th October, 1890; 5 years.

*Claim.*—1st. In a convertible cane and camp stool, the combination, with the stock *A*, extending upward to form the spindle *B*, the collar *D*, fixed to the stock, the sleeve *C*, rotatable upon the spindle, the radial arms *E*, pivoted to the sleeve *C*, the sliding collar *G*, surrounding the sleeve *C*, and limited in its downward movement by the collar *D*, and braces *F*, connecting the sliding collar *G*, and the radial arms *E*, substantially as set forth. 2nd. In a convertible cane and camp stool, the combination with the stock *A*, extending upward to form the spindle *B*, the collar *D*, fixed to the stock, the sleeve *C*, rotatable upon the spindle, the radial arms *E*, pivoted to the sleeve *C*, the sliding collar *G*, surrounding the sleeve *C*, and limited in its downward movement by the collar *D*, braces *F*, connecting the sliding collar *G*, and the radial arms *E*, and sliding cover *H*, adapted to enclose alternately, the upper and lower parts of the stock *A*, accordingly as the parts are adjusted for a cane or a camp stool, substantially as set forth. 3rd. In a combined or convertible cane and camp stool, the combination, with the stock *A*, of legs *J*, which, folded together, constitute an extension of the stock, the spreaders *K*, pivotally secured to the stock and to the legs, and slits in the lower end of the stock, and the ends of the legs respectively, these slits being adapted to receive the spreaders *K*, when the legs are folded together, substantially as set forth. 4th. In a convertible cane and camp stool, provided at one end with a collapsible seat, and at the other end with legs *J*, adapted to be folded together in the manner described, the combination, with the stock and seat, of a sliding cover *H*, fitting over the band *T*, upon the stock *A*, when the device is converted into a camp stool, substantially as set forth. 5th. In a convertible cane and camp stool, the combination, with the stock *A*, carrying upon its upper part a seat of legs *J*, detachably pivoted to the stock so as to be reversible, the spreaders *K*, pivoted to the legs and to the stock, the collar *D*, the tips *N*, having the holes *O*, the pins *S*, and the sliding ring *K*, substantially as set forth. 6th. In a convertible cane and camp stool, the stock *A*, constituting the upper part of a cane, the legs *J*, constituting when folded the lower part of the cane, in combination, with a collapsible seat connected to the upper part of the stock, which, when the legs are spread, extends from the seat to the ground, to form a central leg or main support for the seat, and spreaders *K*, pivoted to the stock and to the legs, and adapted to fold together with the legs to form an extension of the stock for a cane, substantially as set forth.

#### No. 35,177. Draining Well. (*Puits absorbant.*)

Jules Colas, Montreal, Quebec, Canada, 10th October, 1890; 5 years.

*Claim.*—1st. In a draining well, the combination, with the section *A*, of the section *D*, inclined bottom *E*, outlet *F*, outwardly opening removable door *G*, top section *I*, brackets *J*, corners *K*, concave segmental spout *L*, cover *M*, having a manhole *n*, sliding grate *O*, inwardly opening door *P*, and ventilating pipe *S*, substantially as set forth. 2nd. The combination, with a draining well, of the cover *M*, having a roughened top *X*, manhole *n*, grate *O*, grooves *q*, door *P*, pintles *p*, L-shaped grooves *R*, door *P*, and ventilating pipe *S*, substantially as set forth. 3rd. The combination, with the cover, of a draining well, of the ventilating pipe *S*, substantially as set forth. 4th. The combination, with a draining well, of the inclined bottom *E*, outlet *F*, door *G*, pintles *p*, slots *f*, and stops *H*, substantially as set forth.

#### No. 35,178. School Number Table.

(*Table de numération pour écoles.*)

Etta Barlow, Saint John, New Brunswick, Canada, 10th October, 1890; 5 years.

*Claim.*—1st. A number table, having one or more troughs or receptacles divided into compartments, substantially as and for the purposes described. 2nd. A number table, having one or more troughs or receptacles, substantially as and for the purposes described. 3rd. In a number table, the combination of the top *A'*, having the cover *b*, with the trough or receptacle *a*, substantially as and for the purposes described. 4th. In a number table, the combination of the top *A'*, having the cover *b*, with the trough or receptacle *a*, having the diaphragms *c*, substantially as and for the purposes described. 5th. The combination of the table *A*, the top *A'*, the cover *b*, the trough *a*, and diaphragms *c*, substantially as and for the purposes described.

#### No. 35,179. Oar (*Rame.*)

John Van Dyke Eldrege, Detroit, Michigan, U.S.A., 10th October, 1890; 5 years.

*Claim.*—1st. An oar, consisting of two portions pivotally engaged together, the inner or handle portion being pivoted to the boat, and the outer or blade portion connected to the boat by rods or chains, substantially as described. 2nd. An oar, consisting of two portions *B*, *B'*, pivotally engaged together, the portion *B*, pivoted to the gunwale, and the portion *B'*, provided with arms *C'*, *C''*, said arms connected with the gunwale by chains or rods, substantially as described. 3rd. An oar, consisting of two portions *B*, *B'*, pivoted together, the portions adjacent to the pivot so arranged that the portion *B'*, extends at an angle from the portion *B*, said portion *B'*, engaged to the gunwale of the boat, substantially as described.

#### No. 35,180. Process of Treating Restored Rubber, etc. (*Procédé de revivification du caoutchouc, etc.*)

Nathaniel Chapman Mitchell, Philadelphia, Pennsylvania, U.S.A., 11th October, 1890; 5 years.

*Claim.*—1st. The herein described process of treating restored or devulcanized rubber, the said process consisting in passing the stock while moist between rollers until reduced to a pulverulent condition, and then drying the powder, and at the same time agitating or stirring it to prevent adhesion of the separate particles, substantially as described. 2nd. The herein described process of treating rubber, reclaimed from waste rubber goods, said process consisting in devulcanizing the rubber by the action of live steam, then while the rubber is yet moist, rolling it until reduced to a powder, and finally drying the powder, and at the same time agitating or keeping it in motion to preserve the powdery condition, substantially as described. 3rd. The herein described devulcanized rubber powder.

#### No. 35,181. Coupling Key Board for Organs. (*Accoupleur de clavier d'orgue.*)

Carl Blomquist, Harrison, California, U.S.A., 11th October, 1890; 5 years.

*Claim.*—1st. A coupling key-board for organs, consisting of a series of supplementary keys placed above the main keys of the organ, a series of arms or levers adapted to extend over, and lie in contact with the main keys, and a series of concentric slotted tubes connecting the supplementary keys with the arms or levers, whereby as the former are pressed down the latter are forced down also, to operate the corresponding keys of the main key-board, substantially as described. 2nd. A coupling key-board for organs, consisting of a series of supplementary keys placed above the main keys of the organ, the series of arms or levers adapted to lie over and in contact with the main keys of the organ, and the concentric series of axially-rotating tapering and slotted tubes, connecting the supplementary keys with the arms or levers, whereby as the former are operated the latter press down the main keys of the organ, substantially as described. 3rd. A coupling key-board for organs, comprising a frame adapted to be attached to the organ-face, and having a front casing, the concentric series of tapering slotted tubes mounted and adapted to be axially moved in said casing, the series of keys attached to said tubes, and the series of arms or levers attached to said tubes, arranged and adapted to operate, substantially as described.

#### No. 35,182. Fire Alarm, or Fire and Heat Indicator. (*Avertisseur d'incendie, ou indicateur du feu et de la chaleur.*)

Charles William Summerskill, Hookley Heath, Warwick, England, 11th October, 1890; 5 years.

*Claim.*—1st. The employment, in a fire alarm or fire and heat in-