

No. 35,964. Device for Watering Stock.*(Appareil pour abreuver le bétail.)*

Charles E. Buckley, Amenia Union, and George B. Chapman, Dover Plains, both in New York, U.S.A., 7th February, 1891; 5 years.

Claim.—1st. In a device for watering stock, the combination, of a main supply reservoir, a series of receptacles placed at a distance therefrom, and substantially in the same horizontal line, a main distributing pipe connected with the bottom of the reservoir, and a series of pipes extending upward from the distributing pipe and connected with the bottoms of the receptacles, substantially as shown. 2nd. In a device for watering stock, the combination, with a supply reservoir, of a distributing pipe, and two or more receptacles connected with the distributing pipe, each having a check valve to prevent the water from running out, whereby the supply is fed to each receptacle directly from the main reservoir independent of the other receptacles, substantially as shown and described. 3rd. In a device for watering stock, the combination, with a main reservoir, a distributing pipe connected therewith, of a receptacle, an inlet pipe extending into the receptacle above its bottom, and a cover placed over the pipe, having a depending flange for the purpose specified. 4th. In a device for watering stock, the combination, with a main reservoir and a distributing pipe connected therewith, of a receptacle an inlet pipe extending into and above the bottom of the receptacle, having longitudinal grooves, and a cover having a depending flange, and which is placed over the inlet pipe, substantially as shown.

No. 35,965. Cover for Books.*(Couverture pour livres.)*

Carter & Company, Niagara Falls, New York, (assignees of William Stickney Lamson, Lowell, Massachusetts, U.S.A., assignee of Murray Hickley Spear, London, England), 7th February, 1891; 5 years.

Claim.—1st. The combination, with a loose cover for books, pamphlets, catalogues, and the like, having means for securing the book in same, of a re-inforcing or abutting shoulder or ledge, substantially as described. 2nd. The combination, with a loose cover for books, pamphlets, catalogues, and the like, having means for securing the book in same, of a re-inforcing or abutting shoulder or ledge provided with a recess *b*, substantially as described.

No. 35,966. Nut Lock. (Arrête-écrou.)

Robert McDonah and Warren N. Croffut, both of Binghamton, New York, U.S.A., 7th February, 1891; 5 years.

Claim.—A locking device for nuts, consisting of a lower nut having on its outer face a concave opening, and a following-nut having a convex surface turned from a different center to turn down within the concave opening of the lower nut, and bearing against the side of the lower nut, substantially as shown and described.

No. 35,967. Transmitter for Sound.*(Transmetteur du son.)*

Robie Blake, Cornish, Maine, U.S.A., 7th February, 1891; 5 years.

Claim.—1st. In a sound transmitter, the radially-movable sensitive diaphragm *E*, in combination, with the tube *A*, and the interiorly-movable parts *b*, and *c*, and the offset *C*, all in the manner and for the purposes set forth. 2nd. The sound transmitter, as described, consisting substantially, of the tube *A*, having the offset *C*, mouth piece *D*, and radially movable sensitive diaphragm *E*, substantially as described. 3rd. The sound transmitter, consisting of the tube *A*, having a mouth piece, and a sensitive diaphragm, substantially as described. 4th. The sound transmitter, consisting of the tube *A*, having a mouth piece, and a sensitive diaphragm combined with the movable parts *b*, and *c*.

No. 35,968. Press for Cider or Wine.*(Pressoir à cidre ou à vin.)*

Emanuel W. Root, Wheatfield, Indiana, U.S.A., 9th February, 1891; 5 years.

Claim.—1st. The combination, in a press, of the drum-shaft *L*, arranged longitudinally along the cross-beam of the frame, having the rigid ratchet-wheel, the lever *N*, provided with plates *O*, pivoted to the shaft and arranged on each side of the ratchet-wheel, the dog pivoted to the lever and adapted to engage and operate the ratchet-wheel, the detent pivoted to the side of the frame and provided with a recess and adapted to engage the ratchet-wheel, and the spring-arm adapted to be engaged with and disengaged from said recess of the detent, substantially as described. 2nd. A press having the trough or platform, the side winged platforms on opposite sides thereof, provided with grooves or gutters, and the presser-boards connected together and adapted to move on the side winged platforms and over the trough, whereby one of said presser-boards will be arranged over the trough, while the other is arranged on one of side winged platforms, substantially as described. 3rd. A press having the trough or platform, the side winged platforms on opposite sides thereof, and the presser-boards connected together and adapted to move on the side winged platforms and over the trough, whereby one of said presser-boards will be arranged over the trough, while the other is arranged on one of the side winged platforms, the windlass-shaft arranged under the trough, the rope on said windlass-shaft having its ends attached to the presser-boards, and the guiding-pulleys for said rope, substantially as described.

No. 35,969. Gate. (Barrière.)

William Van Nostrand, Dalton, New York, U.S.A., 9th February, 1891; 5 years.

Claim.—1st. In combination, with a post *A*, having two sets of depressions *b*, *c*, a gate provided with a cap *B*, pins *d*, *e*, carried by the cap, and means, substantially such as shown, for actuating the pins. 2nd. In combination, with post *A*, having deep seats *b*, *b*, and shallow seats *c*, *c*, a gate having a cap *B*, which is provided with pins *d*, *d*, and means, substantially such as shown, for actuating the pins. 3rd. In combination, with post *A*, and a ring or collar *C*, cap *B*, to rest upon the collar and provided with stem *a*, and a gate proper secured to the cap. 4th. In combination, with post *A*, cap *B*, and the gate carried thereby, bracket *D*, pulleys *f*, *f*, mounted therein, locking-pins *d*, *d*, to engage the post, and cords or connections *g*, all arranged substantially as shown. 5th. In combination, with post *A*, cap *B*, and the gate carried thereby, bracket *D*, provided with pulleys *f*, pulleys *j*, mounted upon the inner end of the gate proper, locking-pins, cords or connections *g*, extending from the pins about the pulleys *f*, *j*, and a cord or connection *m*, connected with one of the cords *g*, and extending toward the outer end of the gate. 6th. In combination, with a gate proper and its cap *B*, a post provided with a ring or collar *C*, spring-pressed pins or bolts carried by the cap to engage the ring, and means for retracting the pins.

No. 35,970. Rubber Wringer Rolls.*(Rouleau en caoutchouc pour essoreuses.)*

David Albert Ghent, Burlington, Ontario, Canada, 9th February, 1891; 5 years.

Claim.—1st. In a clothes-wringer, the central shaft formed square, and covered with grooved wood casings, with rubber cemented to the outer surface of said casings, vulcanized, and the ends protected with a washer, all constructed, substantially as and for the purpose specified. 2nd. In a clothes-wringer, the combination of the metal square shaft *A*, wood casing *C*, and rubber *E*, substantially as and for the purpose specified. 3rd. In a clothes-wringer, the combination of the shaft *A*, casing *C*, vulcanized rubber *E*, and washer *F*, all constructed substantially as and for the purpose specified.

No. 35,971. Cement. (Cement.)

Frank Clement Goodall, Richmond, Surrey, England, 9th February, 1891; 5 years.

Claim.—A marine cement, consisting of a combination of asphaltum, ground cork, and boiled or other siccativ oil, which latter has the effect of making the asphaltum elastic, and to reduce the tendency to melt, substantially in the proportions set forth.

No. 35,972. Turbine. (Turbine.)

Joseph Florine Le Bel, Victoriaville, Quebec, Canada, 9th February 1891; 5 years.

Claim.—1st. In a turbine, the combination, with a wheel having curved contracted floats, of the guides *K*, the said guides being equal in area at their entrances from the flume to the area of the floats *b*, at *g*, substantially as set forth. 2nd. In a turbine, the combination, with the radial contracted and curved guides *K*, of the gates *L*, *P*, *p*, forks *i*, guide rods *M*, slide rods *N*, thimbles *n*, cylinders *O*, *R*, nuts *o*, *r*, upright rod *Q*, handles *N*², *q*, and stop *T*, substantially as set forth. 3rd. In a turbine, the combination, with the spiral flume, the walls of which are perpendicular, of the guides *K*, the gates *L*, *P*, adapted to be closed or opened independently of each other, substantially as set forth. 4th. In a turbine, the combination, with the wheel *B*, of the tapering shaft *A*, clip *E*, sleeve *e*, bolt and nut *c*, substantially as set forth.

No. 35,973. Wrench. (Clé à écrou.)

William Heys Rogers, Kingston, Ontario, Canada, 9th February, 1891; 5 years.

Claim.—The combination, with the fixed jaw *A*, having a shank *B*, provided with serrations *C*, of the movable jaw *D* having a throat *B*, provided with serrations *F*, and the wedge *G*, inserted in said throat and against the shank to cause the serrations *C*, and *F*, to engage when the wedge is tightened, as set forth.

No. 35,974. Snow Skate. (Patin à neige.)

Pontus H. Conradson, Norwood, Massachusetts, U.S.A., 10th February, 1891; 5 years.

Claim.—1st. A snow-skate, having underneath a continuous groove *B*, with parallel edges throughout its length, and gradually shallower toward its ends, and ending flush with the surface of the skate at a distance from each end of the latter. 2nd. A snow-skate, provided underneath with a continuous groove *B*, having abrupt edges *b*¹, as specified. 3rd. A snow-skate, having its side edges rounded off at *b*, and provided underneath with a continuous groove *B*, having abrupt edges *b*¹, as set forth. 4th. The combination of a snow-skate, having its side edges rounded underneath at *b*, and narrower above the rounded portion, in combination with the foot-strap *C*, made in two parts secured to the said narrower portion, and connected by the lace *c*, substantially as described. 5th. In combination, with the snow-skate *A*, and the foot-strap *C*, the foot-plate *D*, provided with transverse corrugations *d*. 6th. In combination, with a snow-skate, the brake *E*, provided on its under side with projections or corrugations *F*, and adapted to be attached to the skate, substantially as specified. 7th. In combination, with a snow-skate, the brake *E*, provided on its under side with projections or corrugations *F*, a friction-covering *f*, above the said corrugations and having the rigid end piece *e*, and the hinged end piece *e*¹, conforming to the edge of the skate, and a spring or strap *e*², connecting the said pieces *e*, *e*¹,