

No. 41,129. Spoon Bait. (*Appâts pour troller.*)

Ernest F. Pfeuger, Akron, Ohio, U.S.A., 9th December, 1892; 6 years.

Claim.—1st. The herein described device for attaching trolling or other bait to a rod or snood, said device comprising a piece of wire or sheet metal bent into bow form, and having apertures near each extremity, which loosely engage the rod or snood, substantially as specified. 2nd. The combination, with a trolling spoon or other bait having a hole or aperture therein, of a fastening device for attaching said spoon or bait to a rod or snood, said device consisting of a short metal bow loosely engaging said aperture at its central portion, and provided with apertures near each end, which loosely engage the rod or snood, substantially as specified.

No. 41,130. Method of and Apparatus for Evaporating Liquids. (*Méthode et appareil pour évaporer les liquides.*)

Charles William Cooper, New York, State of New York, U.S.A., 9th December, 1892; 6 years.

Claim. 1st. The improvement in the art of evaporating liquids, which consists in continuously supplying the liquids to an evaporating apparatus, and in causing it to continuously and repeatedly circulate therein prior to and during its continuous discharge therefrom, substantially as set forth. 2nd. The improvement in the art of evaporating liquids, which consists in continuously supplying the liquids to an evaporating apparatus, and in causing it to continuously and repeatedly circulate therein, and in continuously discharging it from said apparatus into a second evaporating apparatus and in causing it to similarly circulate therein prior to and during its continuous discharge therefrom, substantially as set forth. 3rd. The method of evaporating liquid, which consists in continuously supplying the liquid to an evaporator, in causing it to circulate continuously and repeatedly therein through a tube supply chamber, evaporating tubes, a separating chamber, and a return conduit, and in evaporating the liquid while it is in circulatory transit through the evaporating tubes by the action of heat supplied to said tubes, and in continuously discharging the concentrated liquid from the evaporator, substantially as set forth. 4th. The method of evaporating liquids, which consists in continuously supplying the liquid to an evaporator, and in causing it to circulate continuously and repeatedly therein through a tube supply chamber, evaporating tubes, a separating chamber and a return conduit and in evaporating the liquid while in circulatory transit through the evaporating tubes by the action of heat supplied to said tubes, and in continuously discharging the concentrated liquid from the evaporator named into a second similar evaporator, in which a similar continuous circulation is set up and a similar continuous discharge effected, substantially as set forth. 5th. The combination to form an evaporator, of a tube supply chamber, a vapour and liquid separating chamber, evaporating tubes leading from said tube supply chamber to said separating chamber, and passing through an evaporating chamber, a return channel or conduit from said separating chamber to said tube supply chamber, means for supplying liquid to the tube supply chamber, means for discharging the concentrated liquid from the separating chamber, a vapour exit from the separating chamber, and means for supplying a heating medium to the evaporating chamber, substantially as set forth. 6th. The combination to form an evaporating apparatus, of a tube supply chamber, a vapour and liquid separating chamber, evaporating tubes leading from said tube supply chamber to said separating chamber, an evaporating chamber or casing inclosing the evaporating tubes, and provided with tube heads through which the tubes pass, a return channel or conduit leading from the lower portion of the separating chamber back to the tube supply chamber, a deflector or diaphragm within the separating chamber, and means for supplying a heating medium to the evaporating chamber, substantially as set forth. 7th. The combination to form an evaporating apparatus, of a series of evaporating chambers, each composed essentially of a tube supply chamber, evaporating tubes, a separating chamber and a return channel, or conduit, and each provided with means for supplying a heating medium to heat the evaporating tubes, all of the separating chambers being in communication by means of liquid passages, the first being provided with a liquid inlet for liquid to be evaporated, and the last provided with a liquid outlet for the condensed liquid, and all of them being in communication with a common vapour outlet, substantially as set forth.

No. 41,131. Spiral Hair Pin.

(*Épingle à cheveux en spirale.*)

John Thomas Larkin, Halifax, Nova Scotia, Canada, 9th December, 1892; 6 years.

Claim.—1st. A pin of the character described, in which the body portion of the pin is of a helical or spiral form, substantially as described and for the purpose specified. 2nd. A hair of jewelry pin, having a body portion of a helical or spiral form, and provided with a swivelled head, substantially as and for the purpose described.

No. 41,132. Damper. (*Régistré.*)

Charles A. Couch, Columbus, Ohio, U.S.A., 9th December, 1892; 6 years.

Claim. 1st. In a damper, the combination of the stem *a*, a conical or flaring surface deflector *b*, on said stem, a horizontal key pin *c*, also supported on said stem, and a deflecting ring *d*, suspended above said deflector *b*, said key being adapted to be journalled in a smoke pipe, substantially as and for the purpose specified. 2nd. In a damper, the combination with the stem *a*, a flaring deflector plate at each end thereof, a transverse key pin *c*, carried on said stem between said plates and a deflector ring *d*, suspended between said deflector plates, substantially as and for the purpose specified.

No. 41,133. Substitute for Scrubbing Brushes and Sponges. (*Substitut pour brosses et éponges à laver.*)

Walter Martene Taylor, Kings Cross, Middlesex, England, 9th December, 1892; 6 years.

Claim. The general arrangement and construction of the hereinbefore described device consisting of an elastic collapsible chamber, one face of which is provided with a number of ridges or points between which are arranged a number of perforations, substantially as and for the purpose set forth and described and illustrated in the accompanying drawings.

No. 41,134. Drier for Clothes. (*Séchoir à linge.*)

George W. North, Clarkes, Oregon, U.S.A., 9th December, 1892; 6 years.

Claim. As an improved article of manufacture the close rack described, consisting essentially of the vertically oblique bars *A*, and *B*, pivotally connected together, and the cross bars or rounds connecting said vertically oblique bars, the toothed plates secured to the outer sides of two of the bars *A*, below their pivotal points, and the pawls *F*, constructed as shown, and pivoted to two of the bars *B*, at a suitable distance from their upper enlarged ends and out of their longitudinal centres, to serve in locking the frame, substantially as and for the purposes specified.

No. 41,135. Hose Nozzle. (*Lance de boyau.*)

Thomas J. Carroll, Hamilton, Ontario, Canada, 9th December, 1892; 6 years.

Claim.—1st. In a hose nozzle for sprinkling water, a casing *A*, having an enlarged chamber containing a series of vertical walls *F*, the lower partition *D*, with inlet aperture *E*, in combination with the nozzle *B*, threaded to engage with said casing at *c*, the series of angled apertures *P*, with flexible washer *H*, and the metallic washer *I*, provided with vertical spreading wings *J*, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, with the adjustable nozzle *B*, as described, of a chamber casing having a series of vertical walls *F*, and opening *E*, the flexible washer *H*, placed immediately over said opening, and the metallic washer *I*, provided with wings *J*, capable of bending to position as shown, substantially as and for the purpose hereinbefore set forth.

No. 41,136. Scrubbing Brush. (*Brosse à laver.*)

Horace Blanchard, Boston, Massachusetts, U.S.A., 9th December, 1892; 6 years.

Claim. The improved scrubbing brush hereinbefore described, the same comprising in its construction, the acute angled triangular back having brush material on its under side and a socket on its upper side, and the handle having the curved neck or shank and the ball on said shank, said ball being engaged with the socket, as set forth.

No. 41,137. Blocking and Measuring Device.

(*Appareil à mesurer.*)

Fred Barnett Edmand, Toronto, Ontario, Canada, 9th December, 1892; 6 years.

Claim. 1st. The combination, with the tension rollers and folding means of a cloth measuring and blocking machine, of a pinion *L*, fixed to one of the tension rollers and geared to a wheel *M*, said wheel *M*, geared with a toothed wheel *O*, and having a pin *N*, engaging with the teeth of said wheel *O*, and the latter having indicating figures on its rim, substantially as described. 2nd. Two pivoted clamps supported opposite to each other, and designed to support a roll of cloth or other similar material on one side of a pair of tension rollers, one of the said clamps being connected to a longitudinally adjustable spindle, two clamps located opposite to each other and on the opposite of the tension rollers and designed to support a board on which the cloth may be wound, one clamp, being pivoted on the end of the longitudinally adjustable spindle, and the other clamp fixed to a spindle suitably journalled and connected to a cog pinion fixed to one of the tension rollers and geared to a wheel *M*, revolving within a toothed wheel *O*, said wheel *M*, having a pin engaging with the teeth of said wheel *O*, and the latter having indicating figures on its periphery, substantially as described.