

to conduct the fumes from the cell that contains the excitant and discharge the same into the other cell, which latter contains a vehicle capable of being impregnated with the fumes, so as to provide therein an excitant due to the fumes from the cell wherein they are first generated, substantially as set forth. 5th. In a galvanic battery, a carbon electrode, consisting of two sets of carbon tubes, which are electrically connected together, and respectively arranged in separate cells, whereof one contains an excitant, in combination, with a tube arranged to conduct the fumes from the cell that contains the excitant and discharge the fumes into the other cell, substantially as set forth. 6th. In a galvanic battery, the negative electrode separated into two parts which are electrically connected together, and respectively arranged in separate cells, whereof one contains an excitant, in combination with a tube, arranged to conduct the fumes from the cell containing the excitant and discharge such fumes into the other cell, which latter contains a packing of charcoal and asbestos, substantially as and for the purpose set forth. 7th. In a galvanic battery, a carbon electrode formed of carbon tubes, each having a longitudinally formed slot or opening, for the purpose set forth. 8th. In a galvanic battery, the combination, with a couple of cells, each having a carbon cover, of a couple of sets of carbon tubes respectively arranged within one and the other of said cells, and attached to the carbon covers, said covers being electrically connected together, substantially as set forth. 9th. In a galvanic battery, the combination, substantially as hereinbefore set forth, of three concentric cells, a carbon electrode separated into two parts which are electrically connected together, with one part arranged in the central cell and the other in the extreme outer cell, a zinc or its equivalent electrode arranged within the intermediate cell and a tube leading from one to the other of the two cells, which contains the said parts of the carbon electrode, substantially as set forth. 10th. In a galvanic battery, a carbon electrode, formed of carbon tubes, each having a longitudinal slot or opening, and combined with a filling, consisting of a tube or lining of porous material packed with asbestos, substantially as and for the purpose described. 11th. In a galvanic battery, a zinc electrode, consisting of a set of zinc rods attached to a metal plate, screws which engage in the upper ends of the zinc rods, substantially as and for the purpose described. 12th. In a galvanic battery, the negative electrode, combined with a solution of nitric acid and nitrate of ammonium. 13th. In a galvanic battery, the negative electrode, composed of carbon, and combined with a solution of nitric acid and nitrate of ammonium. 14th. In a galvanic battery, a carbon electrode, composed of carbon tubes, each having a longitudinal opening and containing a filling of asbestos packed in a tube of porous material, combined with a solution of nitric acid and nitrate of ammonium, substantially as set forth. 15th. A three cell galvanic battery, having in its first and third cells, portions of a negative electrically connected together, a positive electrode in its second cell, a fluid such as water in its third cell, and a fume conducting tube connecting together its first and third cells, as set forth.

### No. 34,201. Yoke for Carrying Canoes.

(*Joug pour porter les canots.*)

Raoul Rinfret, St. Stanislas, Que., 1st May, 1890; 5 years.

*Résumé.*—Dans un joug à canot, le bout denté, ayant la plaque G, et la glissoire E, ayant la vis de pression F, et l'anneau D, tels que décrits, pour les fins designées.

### No. 34,202. Vehicle Standard.

(*Rancher de voiture.*)

Samuel Graham, Lebeck, Mo., U.S., 1st May, 1890; 5 years.

*Claim.*—1st. A vehicle standard consisting of a rectangular band B at its lower end, adapted to fit over the bolster, a back plate extending vertically from the same, a vertical brace extending from said band to the upper extremity of the standard, and erected at right angles to said back plate, and cross webs *h, h*, intermediate of the upper and lower ends of the standards, the whole being cast integral, substantially as described. 2nd. As a new article of manufacture, a vehicle standard consisting of a band surrounding the bolster and secured thereto by means of a bolt passing transversely through said bolster and said band, a vertical plate, having tapering lower edges and arranged to bear against the vehicle body, a main web or brace extending from the band to the top of the standard, and triangular cross webs intermediate of the upper and lower extremities of the standard, the whole being cast integral, substantially as and for the purpose described. 3rd. In a vehicle standard, the combination of a rectangular band surrounding the bolster, a bolt securing the same thereto, a back plate extending vertically therefrom, a cap-piece at the upper end of the same, a main brace or web extending from said band to said cap-piece, and intermediate triangular cross webs connecting the surfaces of the back plate and main brace, and formed at right angles thereto, the whole being cast integral, substantially as described. 4th. The combination of the bolster, the standard, and a device, substantially as described, inserted between the two to removably secure them together as set forth. 5th. The combination of the bolster, the standard, and a wedge inserted between them, substantially as and for the purpose described. 6th. A key arranged to be inserted between the standard and bolster, and consisting of a wedge shaped plate provided with an adjustment slot, substantially as described. 7th. The combination of the standard, the bolster, a key inserted between them, and suitable means for removably securing said key to said bolster. 8th. The combination of the bolster, the standard provided with a band encircling the latter, a key inserted between said band and said bolster, and provided with a slot, and a bolt extending through said bolster, substantially as described. 9th. A key inserted between the standard and the bolster, and consisting of a wedge shaped plate having a bifurcated inner end, substantially as described. 10th. A key inserted between the standard and bolster, and consisting of a wedge shaped plate, having a roughened face, substantially as and for the purpose described.

### No. 34,203. Drier for Fruit and other Articles.

(*Séchoir pour les fruits et autres articles.*)

George Frick and Frederick Frick, Waynesborough, Penn., U.S., 1st May, 1890; 5 years.

*Claim.*—1st. A drier, having movable crates or cages, and provided with a movable vestibule, and supports for said vestibule, permitting the same to be passed within the drier for isolating a single crate or cage therein, substantially as described. 2nd. A drier, having movable crates or cages, and provided with a movable vestibule for isolating a single crate or cage within the drier, and guides or tracks for said vestibule extending within the drier, substantially as described. 3rd. A drier, having movable crates or cages, and provided at one wall with an opening a little larger than a crate or cage, a movable vestibule for isolating a single crate or cage, and tracks or guides for said vestibule, extending through said opening within the drier whereby the vestibule can be withdrawn from the drier through said opening, or passed within the drier to isolate a drier of crate or cage, substantially as described. 4th. The combination, with movable vestibule for isolating a single crate or cage, said vestibule being provided with a hinged top adapted to be let down, forming a door for closing the front of the drier, substantially as described. 5th. In a drier, the combination, with the bottom and sides of a movable vestibule, of the hinged top and the spring catches therefor, substantially as described. 6th. The combination, in a drier, with the bottom and sides of a movable vestibule, of a hinged top, spring catches therefor, and bars adapted to bear against said catches to release the same, substantially as described. 7th. In a drier, the combination, with the bottom and sides of a movable vestibule, of a hinged top spring catches therefor, a shaft provided with a crank disk, and bars connected to said crank disk and adapted to bear against said catches to release the same, substantially as described. 8th. In a drier, the combination, with horizontally-disposed sprocket-chains, and a suspension track of a crate or cage attached to said chains, and movably suspended on said track, substantially as described. 9th. In a drier, the combination, with horizontally-disposed sprocket chains, a suspension track, and a guide parallel with the sprocket chains of a crate or cage attached to said chains, movably supported on said track and provided with a traveller engaging said guide, substantially as described.

### No. 34,204. Cultivator.

(*Cultivateur.*)

John G. Trump, Richville, Mich., U.S., 1st May, 1890; 5 years.

*Claim.*—1st. The main frame, the arched axle, the drag bars and the forked shovel standards, in combination with the braces pivoted to said drag bars and passed through the forked ends of the standards, breaking pins securing said braces to the standards and coils and springs having one end secured to the drag bars and the opposite end secured to the standards below the breaking pins, substantially as herein described. 2nd. In a cultivator, the main frame having the arched front portion, the arched axle secured to said frame at its rear, and the drag bars and attachments, in combination with the removably-secured plate to which the central drag bars are attached, a draft attachment extending above and below said plate, and a brace extending from the draft attachment to the pole or tongue, substantially as herein described. 3rd. In a cultivator, the combination with the main frame, the main axle and bearing wheels and the drag bars and attachments of the pole or tongue, and the seat having a spring standard removably secured beneath the rear end of the pole or tongue, substantially as herein described. 4th. In a cultivator, the main frame, the main axle and bearing wheels, and the drag bars and attachments, in combination with yokes H, consisting of the upper and lower longitudinal bars *g*, and the vertical uniting bars *h*, arranged in pairs and separated from each other to permit the passage of the drag bars, substantially as and for the purpose specified.

### No. 34,205. Door Cushion.

(*Tampon de porte.*)

John Fee and Alexander Sabiston, Montreal, Que., 1st May, 1890; 5 years.

*Claim.*—1st. The combination, with a door, of the shell *a* adapted to be attached thereto, and having a spring-actuated castor-wheel *p*, substantially as and for the purposes set forth. 2nd. The combination, with a door, of the shell *a* adapted to be attached thereto, and having a spring-actuated castor-wheel *p*, also the thimble *b* and cushion *c*, the whole substantially as described. 3rd. The combination, with a door, of the shell *a*, having end *e* and diaphragm *d*, having opening *f* and *g*, also having thimble *b* and cushion *c*, wheel-holder *h*, wheel *p* and spring *t*, the whole substantially as described and shown for the purposes set forth.

### No. 34,206. Curtain Hanger.

(*Bâton de rideau.*)

Etna H. Davis (assignee of Daniel Davis), Elmira, N. Y., U.S., 1st May, 1890; 5 years.

*Claim.*—1st. The combination, with the sash, the roller and its slat, of the centrally-arranged vertical rod attached to the sash, and a bracket carrying the roller and slat and adjustable on said rod, substantially as described. 2nd. The combination, with the sash, the roller, curtain and slat, of the centrally-arranged vertical rod attached to the sash, the bracket sliding on the rod and attached to the slat, and a lock acting on the rod to hold the bracket in its adjusted position on the rod, substantially as described. 3rd. The combination, with the sash, the roller and its slat, of the centrally-arranged vertical rod attached to the sash, the bracket adjustable on said rod and attached to the slat, and a lock on the bracket acting against the rod to hold the bracket in its adjusted position on the rod, sub-