

described. 6th. In a trunk, chest, or other similar article, the body A, connected with the cover B by the pivoted arms C, said body being provided at its rear with a bevelled or inclined stud adapted to enter a socket in said cover (or vice versa), and force the back of the cover down onto the body as the cover is closed, substantially as set forth. 7th. In a trunk, chest, or other similar article, the guard J in combination with the body A, cover B, pivoted arms C and a separable hinge adapted to assist in keeping the back of the cover in proper position when the cover is closed, substantially as described.

#### No. 22,625. Toy Card. (*Carte-Jouet.*)

Thomas Robertson, Toronto, Ont., 13th October, 1885; 5 years.

*Claim.*—A card, having fixed on its surface a series of sugar toys or figures, and divided by lines of perforations or indentations, substantially as and for the purpose specified.

#### No. 22,626. Check Rein Holder.

(*Accroche Faussees-Rènes.*)

William D. Taber, Rockville, R. L., U. S., 13th October, 1885; 5 years.

*Claim.*—1st. A check rein-holder, consisting of a frame in which there is, loosely pivoted, a cam-faced tongue controlled by a spring, substantially as described and for the purpose specified. 2nd. The combination, with a strap, of a frame A, clamping tongue B and a spring *f*, substantially as described. 3rd. The combination, with a strap C, of a frame A provided with a tongue B, formed with a cam face *e* and controlled by a spring, substantially as described. 4th. The combination, with a strap C, of a frame A carrying a tongue B formed with a cam face *e*, a spring *f* and a limit pin *o*, substantially as described. 5th. The combination, with a frame A formed with a bevelled surface *d*, of a cam-faced tongue B borne upon by a spring, substantially as described. 6th. The combination, with a holder, substantially as described, of a strap carrying a hook that is connected to the main body of the strap by a thin strip *g*, substantially as described. 7th. The combination, with a holder, substantially as described, of a strap consisting of the portions *g*, *k* and *h*, and carrying a hook D, substantially as described.

#### No. 22,627. Furniture. (*Meuble.*)

Henry L. Goodwin, New York, N. Y., U. S., 13th October, 1885; 5 years.

*Claim.*—1st. The combination, with the frame of a piece of furniture, of plugs or blocks attached thereto and adapted to receive pins for securing pillow-shams, tidies, etc., in their usual positions to said frame, substantially as herein set forth. 2nd. The combination, with the back frame of a piece of furniture, such as a bedstead, sofa or chair, of plugs or blocks made of softer material than the back frame and attached to the frame and adapted to receive pins for securing pillow-shams or tidies to the furniture, substantially as herein set forth. 3rd. The combination, with the back and arm frames of a piece of furniture, such as a sofa or chair, of plugs or blocks made of softer material than the back and arm frames and attached thereto, and adapted to receive pins for securing tidies to said back and arm frames, substantially as herein set forth.

#### No. 22,628. Ferry Boat. (*Bac.*)

Thomas R. Puckett and Newton O. Pyles, Coronado, S. C., U. S., 14th October, 1885; 5 years.

*Claim.*—1st. The combination, with the boat and cable, of a rope connecting the cable and bolt to raise and lower the latter, and an additional rope connecting the cable and bolt to swing the boat obliquely to the cable, substantially as described. 2nd. The combination of a cable, the boat, the runners suspended from the cable at or near opposite ends of the boat, a guiding rope connected with said runners and the boat, the brake around which said rope passes, to swing the boat obliquely to the cable in either of two directions, and the windlass having the said rope connected thereto, to adjust the rope to the rise or fall of the boat, substantially as described. 3rd. The combination of the cable, the boat, the runner suspended from the cable, and the windlass attached to the boat and connected to said runner by a rope to raise and lower the boat, the runners suspended from the cable at or near opposite ends of the boat, the guiding rope connected to said runners and the boat, the brake around which said rope passes for swinging either end of the boat obliquely to the cable, and the windlass having said rope connected thereto for adjusting its length as the boat rises or falls, substantially as described. 4th. The combination of a boat, a windlass, a brake, a cable and a rope to directly connect the cable brake and windlass, substantially as described.

#### No. 22,629. Magneto Electric Telegraphy.

(*Télégraphie Magneto Electrique.*)

Fred. H. Brown, New York, N. Y., U. S., 14th October, 1885; 5 years.

*Claim.*—1st. The combination of the permanent magnet having the coil or coils, an armature or disc connected to one pole thereof, and free to vibrate over the opposite pole, and a key for vibrating the armature or disc, substantially as described. 2nd. The combination of a permanent magnet having a coil or coils, an armature or disc connected to one pole thereof and free to vibrate over the opposite pole, a key for vibrating the armature or disc, and stops for limiting the play of the key, substantially as described. 3rd. The combination of a permanent magnet having a coil or coils, an armature or disc connected to one pole thereof and free to vibrate over the opposite pole, a key for vibrating the armature or disc, and a spring for keeping the key normally out of contact with the disconnected pole, substantially as described. 4th. The combination of a permanent magnet having a coil or coils, an armature or disc connected to one pole thereof and free to vibrate over the opposite pole, a key for vibrating the armature or disc, a spring for keeping the key normally out of contact with the disconnected pole, and stops for limiting the play of the key, substantially as described. 5th. The combination,

with a permanent magnet having the coils connected in circuit, at armature or disc connected to one pole of each magnet and free to vibrate over the opposite pole thereof, whereby the vibrations of one of the armatures or discs are transmitted by induced currents to the other armatures or discs in circuit, and reproduced by said other armatures or discs, and an enclosing case forming an air-chamber around the disc or armature of one or each of the connected magnets, said enclosing case having a mouth piece, substantially as described. 6th. The combination of the permanent magnet, having the coils connected in circuit, an armature or disc to one pole of each magnet, and free to vibrate over the opposite pole thereof, whereby the vibrations of one of the armatures or discs are transmitted by induced currents to the other armatures or discs in circuit, and reproduced by said other armatures or discs, an enclosing case forming an air-chamber around the disc or armature of one of each of the connected magnets, said case or cases having a mouth-piece and a key or keys for vibrating the armature or disc of one or each of the magnets in circuit, substantially as described.

#### No. 22,630. Method and Means for Manufacturing Cigar Bunches. (*Méthode et Moyens de Fabrication des Paquets de Cigares.*)

Nicolaus Doetsch, Detroit, Mich., U. S., 14th October, 1885; 5 years.

*Claim.*—1st. The herein described process of moulding cigar bunches, consisting in lining the mould with a binder of prepared size in such a manner that the projecting ends will cover over the filler which is put within the fold of the binder, while one of the two ends of the binder is long enough to admit of its being tucked in on the side of the mould, so that in the subsequent pressing and drying a lock is formed in the binder, substantially as described. 2nd. The herein described process of making cigar bunches, consisting in moulding the bunch in the mould, as described, in combination with means, such as a filler tool, having a receptacle F, of the general form of the cigar mould and provided with a plunger for expelling the filler material, and the bunching tool K, for tucking in the outer end of the binder, all arranged and operating substantially as described. 3rd. The herein described process of making cigar bunches, in combination with means such as the extensible mould, the filler tool having a receptacle of the general form of the mould, and a plunger for expelling the filler and the bunching tool K, having the edge *f* for tucking in the end of the binder between the side of the mould and the side of the bunch, all arranged substantially as described.

#### No. 22,631. Socket Clamp for Trestling, Scaffolding, etc. (*Emboiture pour Tréteaux, Echafaudages, etc.*)

George W. Zeigler, Washington, D. C., U. S., 14th October, 1885; 5 years.

*Claim.*—1st. In a trestle or scaffold, a clamp consisting of two sockets, each formed by two sides which are right-angled in cross-section, and having lateral supports extending therefrom, substantially as described. 2nd. In a trestle or scaffold, a socket clamp formed in one piece, and consisting of two tapering and convergent right angular sides having lateral supports extending therefrom, substantially as described. 3rd. In a trestle or scaffold, a socket clamp formed of two pairs of tapering and convergent sides having lateral supports, each side being right-angled in cross-section, and terminating in a point where they intersect at the bottom, and thence extending outward to the end of said supports, substantially as described. 4th. In a trestle or scaffold, a socket-clamp formed of two right-angled sides having lateral supports, as described, and having the perforated lugs and transverse strengthening ribs, substantially as shown and for the purpose described. 5th. The combination, with the socket-clamp, constructed substantially as described, of the legs or risers conforming to the contour of the clamp, and the ledger or tie-beam formed with grooves in its sides adjacent to such legs or risers, substantially as shown and set forth. 6th. The combination, with the socket clamp, constructed substantially as described, of the ledger or beam, and the legs or risers formed of a single piece mortised a suitable distance from its ends, and having the two portions thus formed bevelled or chamfered, substantially as and for the purpose specified. 7th. The combination, with the socket clamp, constructed substantially as described, of the legs or supports having bevelled sides or edges, and the ledges grooved at points adjacent to such legs, and having its underside bevelled or chamfered, substantially as shown and specified.

#### No. 22,632. Machine for Arranging Crackers for Packing. (*Machine pour Disposer les Biscuits à Embaquer.*)

James McClurg, Alleghany, Pa., U. S., 14th October, 1885; 5 years.

*Claim.*—1st. In a machine for arranging crackers and like articles for packing, the combination, with a casing provided with one or more channel-ways, of one or more channel-ways, of one or more spirally-coiled conveyors, located in said way or ways, suitable mechanism for actuating said conveyor or conveyors, and one or more receptacles in communication with the way or ways, substantially as described. 2nd. The combination, with a casing provided with one or more channel ways, of one or more spirally-coiled conveyors, located in said way or ways, suitable mechanism for actuating said conveyor or conveyors, one or more hoppers located above the upper end of the way or ways, and one or more receptacles in communication with the way or ways, substantially as described. 3rd. The combination, with a casing provided with one or more channel-ways, a covering strip secured over the top of the outer end of the casing for steadying the outer end of the conveyor or conveyors, a lid for covering the channel-way or ways from the covering strip to the base of the hopper or hoppers, and a bearing plate attached to the front of the casing, of one or more spiral conveyors located in the channel-way or ways, one or more shafts, as B, provided with bevel gear or gears, as