

tive électrique la combinaison avec la génératrice de vapeur une dynamo génératrice et moteurs électriques recevant mouvement, d'une machine à vapeur M tels que décrite ci-dessus. 4ème. Dans une locomotive électrique formée d'un véhicule monté sur deux bogies, dont toutes les roues sont actionnées par des moteurs électriques, et portant une chaudière, et une machine à vapeur des machines à courants alternatifs triphasés, tant pour la génératrice que pour les réceptrices. 5ème. Dans une locomotive électrique la combinaison des roues motrices rotant sur l'essieu fixé, et serré à leur deux extrémités dans les leviers du butte L L telle que décrite.

No. 42,507. Dental Chair.

(Fauteuil pour opération dentale.)

Dewell Stuck, Rochester, New York, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. The combination of the standard, the parallel levers having fulcrums therein, the seat frame, the bar 39 pivoted to each of said levers and extending backwardly and over the point of application of power to said levers and journaled in said frame, and mechanism for moving the levers, and the bar 39 pivoted to each of said levers and extending backwardly and over the point of application of power to said levers and journaled in said frame, and mechanism for moving the levers, consisting of a piston having a rod pivotally connected therewith and with the levers and means for raising the piston, substantially as set forth. 2nd. The combination of the standard, the parallel levers having fulcrums therein, the seat frame, the bar 39 pivoted to each of said levers and extending backwardly and over the point of application of power to said levers and journaled in said frame, and mechanism for moving the levers, consisting of a piston having a rod pivotally connected therewith and with the levers and means for raising the piston, substantially as set forth. 3rd. The combination of the standard, the parallel levers having fulcrums therein, the seat frame, the bar 39, pivoted to each of said levers and journaled in said frame, and mechanism for moving the levers about the fulcrums, consisting of a piston having a rod pivotally connected therewith, and with the levers, means for raising the piston and means adapted to automatically lower the same, substantially as set forth. 4th. In combination, the seat frame, a rack fast on said frame, an elevating bar 39, loosely connected to and supporting the frame, mechanism for raising the bar, consisting of the parallel bars fulcrumed in a chair standard, and the piston and piston rod, said rod being pivotally connected both to the piston and to the levers, and a pawl having a lever extension pivoted to and movable with said elevating bar, whereby the chair seat can be raised and automatically lowered and also tilted and locked in the tilted position at any desired elevation, substantially as set forth. 5th. The standard having an open side and top, and having its upper part enlarged or laterally extended, levers having fulcrums in said extensions and extending through the open side of the standard, the seat supported on said levers, and means for raising and lowering the latter, substantially as set forth. 6th. The rotatable chair standard, provided with a lateral extension near its upper part and a vertical slot on the side opposite extension, a seat elevating piston, a reservoir containing the same, and situated adjacent to standard wall below said extension, a centrally situated clamping lever, and seat elevating levers extending through said slot, substantially as set forth. 7th. The standard having a closed bottom and circumferential walls adapted to enclose seat elevating devices, and provided with a lateral extension and with elevating levers fulcrumed in its extension and slotted in one side for the passage of a standard clamping handle 7, and of the elevating levers, the open topped reservoir situated on said bottom at one side of its centre, the pump and the main piston cylinders situated in the reservoir, and a valve having an operating handle situated above the reservoir, and extending through the enclosing wall of the standard, substantially as set forth. 8th. In combination, the seat frame, the back frame slotted in its bottom and rear and pivotally connected to said seat frame, the brace pivoted to the same frame, and having at its outer end a pivoted screw and clamping nut, said screw being adapted to move in the rear slot of the frame when not clamped, substantially as set forth. 9th. The combination of the head rest, the lever having arms embracing a part of said rest, a second lever crossing the first and having a seat for said part, said levers having a common fulcrum, and overlapping the first named pair, a bolt passing through the overlapping arms of the four levers and engaging the interior pair of levers, which are opposite said bolt, to clamp the head rest, substantially as set forth. 10th. In combination, the swinging said back frame 56, provided with grooves, the sliding frame 60, fitting said grooves and itself provided with grooves, the bar 69, fitting the latter grooves, the rod situated in a passage in the bar, and a friction pawl pivoted in the bar, and adapted to be operated by the rod to lock the slide bar to the sliding frame, means for relatively moving the bar and rod, means for clamping the main sliding frame to the back frame, and a head rest supported from the bar and rod, substantially as set forth. 11th. The foot roll frame, having a curved groove in each end and a foot rest or platform frame provided with lugs fitting said grooves, the roll frame being provided with one or more rolls and adapted to be slid on the lugs to and from the chair seat to give various elevations of a roll, substantially as set forth. 12th. A supporting roll frame having a curved groove in each end and a foot rest frame, having lugs fitting said grooves provided with one or

more rolls, the roll frame adapted to be slid on the lugs to and from the chair seat to give various elevations of a roll, one of said grooves communicating with notches on its under side to receive a lug whereby the roll frame is secured in different positions, substantially as set forth.

No. 42,508. Plow. (Charrue.)

John E. Mitchell and Elma M. Mitchell, both of Salem, Iowa, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. A plow mould board, consisting of a series of parallel bars or sections, curved to conform to the shape of a mould board, and presenting a series of disconnected points at their lower ends. 2nd. A plow mould board, consisting of a series of parallel bars or sections, curved to conform to the shape of a concave mould board and relatively arranged, substantially as described, to form a plow point and to present a series of disconnected points at the lower ends of the bars. 3rd. The combination, with a standard and supporting braces, of a mould board, consisting of a series of independent curved bars secured upon said braces, the lower ends or points of said bars being arranged to form an inclined cutting edge, consisting of disconnected points, as set forth.

No. 42,509. Needle Threader and Setter.

(Enfileur d'aiguille.)

James Cook, New York, State of New York, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. A needle threader comprising a supporting arm passing around the presser bar, and having the arms E extending therefrom, a screw or rivet for holding the two arms together, a screw for clamping the circular portion to the presser bar, the inner side of the outer end of one of the arms E being cut away, lever pivoted between them, a clamping screw forming the pivot, and a hook on the lower end of the lever, substantially as described. 2nd. A needle threader comprising a supporting arm, a lever pivoted at its upper end thereto, the lower end of the lever carrying a hook, and a guide extending alongside the hook and beyond its outer end, the outer end of the guide being bent away from the hook, substantially as specified. 3rd. A needle threader comprising a supporting arm a lever pivotally connected at its upper end to the said supporting arm, the lower end of the lever carrying a hook, a guide extending alongside of the hook and a suitable distance therefrom, the said guide having a cut away portion between its ends and its outer end extending down substantially in front of the end of the hook, substantially as described. 4th. A needle threader comprising a supporting arm, a lever pivoted at its upper end thereto, the lower end of the needle carrying a hook, and a guide extending alongside the said hook, the guide being bent away from the hook and extending parallel therewith, then towards the hook, and then away from the hook again, substantially as shown. 5th. A needle threader comprising a supporting arm, a lever pivotally supported at its upper end thereby, the lower end of the lever having a groove, and a hook having a portion extending into the said groove, and the end opposite the hook bent at right angles to engage the said lever and form a means for regulating its inward movement and for removing it, substantially as specified. 6th. A combined threader and thread cutter comprising a supporting arm, and a threading lever pivotally supported by the said supporting arm, the supporting arm having a groove extending in a line parallel therewith, and a cutter placed in said groove and extending in the opposite direction from the said arm, substantially as and for the purpose described.

No. 42,510. Tool for Wire Fencing.

(Outil pour clôture en fil de fer.)

Daniel D. Stetler, Minneapolis, Kansas, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. The combination of handle B, having recess E at its forward end, vertical shoulder b at one side of the recess, and horizontal shoulder f at its opposite side with handle A, having depended rounded head H at its forward end, which is pivoted eccentrically in the recess E, and horizontal shoulder e to the rear of said head, substantially as shown and described. 2nd. An improved wire fencing tool consisting of a handle B having a curved end a cut out to form a clamping shoulder b, and a handle A, substantially of the same length as the handle B, and having a jaw pivoted in rear of said shoulder, the said jaw having its forward end formed on the arc of a circle eccentric to the said pivotal point, the handle A being on the same side of the tool as the concave side of the said curved end a, and separate from the handle B, for the purpose described whereby, a pull can be exerted on the handle A, independently of the handle B, when clamping and tightening the wire, substantially as specified.

No. 42,511. Corset. (Corset.)

Jane Grieve Patterson, Lancaster, Lancashire, England, 8th April, 1893; 6 years.

Claim.—In corset the method of locking together the adjoining busks by means of pins and staples, substantially as herein described, and for the purpose set forth.