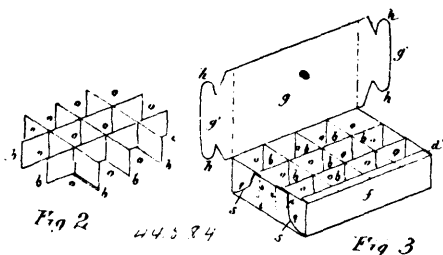


and means to lock said rod when moved by the lugs striking. 43rd. In a circular knitting machine, in combination, a knitting cylinder, a rack on said cylinder, a gear-wheel adapted to operate said rack, a main driving shaft, a clutch upon said shaft adapted to be connected with said gear-wheel, an oscillating shaft, a clutch upon said shaft, a gear-wheel adapted to be engaged by said clutch, connection between said gear-wheel and the knitting cylinder rack gear-wheel, a clutch lever common to both clutches, a connecting rod connected to said clutch lever, a lug connected to said connecting rod, a sprocket-wheel, a sprocket chain driven by said sprocket-wheel, a lug upon said sprocket chain in line of travel of said lug connected to the rod, means to lock said rod when moved by the lugs striking, and means substantially as described to release said rod. 44th. In a knitting machine, in combination, a needle cylinder provided with slots, needles in said slots, pivoted levers provided with jaws integral therewith adapted to receive and hold the shanks of said needles, concentric needle shifting cams in line of travel of the tails of said levers, and means substantially as described to operate said cams whereby when the cams are moved the lever is rotated and needle corresponding thrown out of action. 45th. In a knitting machine, in combination, needle cylinder provided with slots, needles in said slots, pivoted levers provided with jaws adapted to hold the shanks of said needles, needle shifting cams in line of travel of the tails of said levers, needle cylinder, mechanism substantially as described to reciprocate said knitting cylinder and intermediate connection between said cams and needle cylinder reciprocating motor. 46th. In a knitting machine, in combination, a needle cylinder provided with slots, needles in said slots, pivoted levers provided with jaws adapted to hold the shanks of said needles, needle shifting cams in line of travel of the tails of said levers, racks by which said cams are carried, pivoted pawls adapted to work in said racks, a pivoted lever to which said pawls are connected, a clutch upon said shaft, a reciprocating shaft, a clutch upon said shaft, a clutch lever common to both clutches, a lever pivoted to said clutch lever, connection between said pivoted lever and lever pivoted to the clutch lever, lugs upon the lever pivoted to clutch lever, a gear-wheel adapted to be connected with the clutch on the reciprocating shaft, lugs upon said gear-wheel in line with said lugs on the lever pivoted to clutch lever when clutch is in connection with gear-wheel but out of line when said clutch is out of connection with said gear-wheel. 47th. In a knitting machine, in combination, a needle cylinder provided with slots, needles in said slots, pivoted levers provided with jaws adapted to hold the shanks of said needles, needle shifting cams in line of travel of the tails of said levers, racks by which said cams are carried, pivoted pawls adapted to work in said racks, a pivoted lever to which said pawls are connected, a main driving shaft, a clutch upon said shaft, a reciprocating shaft, a clutch upon said shaft, a clutch lever common to both clutches, a lever pivoted to said clutch lever, connection between said pivoted lever and lever pivoted to the clutch lever, lugs upon the lever pivoted to clutch lever, a gear-wheel adapted to be connected with the clutch on the reciprocating shaft, lugs upon said gear-wheel in line with said lugs on the lever pivoted to clutch lever when clutch is in connection with gear-wheel but out of line when said clutch is out of connection with said gear-wheel, and guards to limit the movement of said pivoted lever. 48th. In combination, a knitting cylinder, a rotary shaft, a clutch on said shaft, an oscillating shaft, a clutch on said shaft, a gear-wheel adapted to be engaged by the clutch on the rotary shaft, and a gear-wheel adapted to be engaged by the oscillating shaft clutch, connection between said gear-wheels and knitting cylinder, a clutch lever common to both clutches, and means, substantially as described, to operate said clutch lever whereby one clutch is released and the other brought into action.

No. 44,584. Paper Box for Eggs.

(Boîte de papier pour les œufs.)

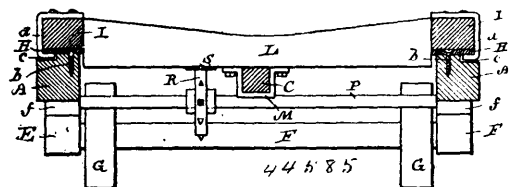


Arthur Leared Reeves, junr., Hamilton, Ontario, Canada, 27th October, 1893; 6 years.

Claim.—1st. A paper box for the packing and transportation of eggs, of a blank, cut and scored for the box proper, and its interior partitions, forming five slotted pieces separated by perforated lines, the bottom of the box having slotted ends, the sides having end projections, which, when bent at right angles to the sides and bottom, form projections to catch in the slots of the bottom ends and projections on the ends of the cover to catch into pockets formed by the intersection of the side ends and bottom ends, substantially as described. 2nd. A paper box blank A for the package of eggs, and its interior partitions b cut from one piece, the said partitions having

slots a, and separated by perforated lines c, the box portion having scored lines 2, 3, 4, 5, 6 and 7, the sides having projections 8, and curved portions 9, the bottom ends c having slots 16 cut therein from the outer margin and the ends g', cut on the angular lines 10, and projections h, h, on each of the said ends to enter pockets s formed by the curved lines 9 of the sides when folded, substantially as specified. 3rd. In a paper box the combination of the partitions b separated by perforated lines c, and provided with slots a, and the blank A, scored and formed as shown, for the package and carriage of eggs, substantially as specified.

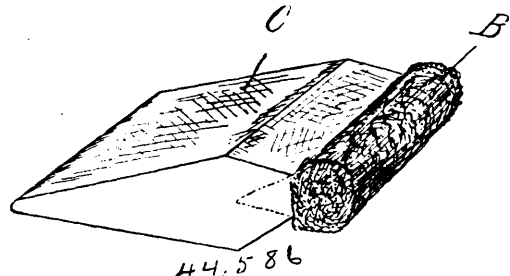
No. 44,585. Hand Truck. (Camion.)



Nelson Albert Week and Hans Jakob Moen, both of Stevens Point, Wisconsin, U.S.A., 27th October, 1893; 6 years.

Claim.—1st. A hand truck comprising a main frame, a load carriage longitudinally adjustable on the main frame, brackets that depend from the load carriage, a bar loose in the brackets, and a hook pivoted to the rear end of the bar. 2nd. A hand truck comprising a main frame, a load carriage loose thereon in a longitudinal direction, a link belt gear connecting the main frame and load carriage, and a lever controlled pawl and ratchet mechanism for actuating said gear. 3rd. A hand truck comprising a main frame, transverse shafts having their bearings in the frame, a sprocket-wheel on each shaft, a link belt arranged on the sprocket-wheels, suitable means for imparting motion to one of the shafts, and a load carriage that rests on said frame and is fast to the link belt.

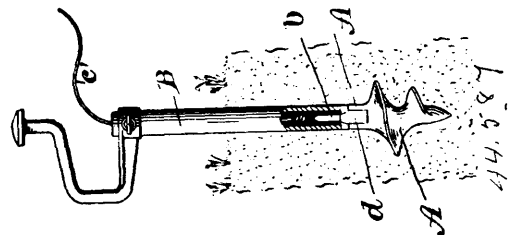
No. 44,586. Slate Cleaner. (Nettoyeur d'ardoise.)



William Murphy, St. John, New Brunswick, Canada, 27th October, 1893; 6 years.

Claim.—1st. A combined slate washer and dryer, consisting of a block having a cloth cover, and a piece of water absorbing material secured at one end, substantially as shown and described. 2nd. A combined slate washer and dryer, comprising a wedge shaped block, a piece of absorbent material at one end and a cloth cover, substantially as shown and described. 3rd. A combined slate washer and dryer, consisting of a wedge shaped block having a recess at its broad end, a piece of absorbent material secured in said recess and a covering of cloth, substantially as shown and described. 4th. A combined slate washer and dryer, consisting of a wedge shaped block, having a recess at its broad end and transverse grooves in its faces, a piece of absorbent material in the recess, and a covering for the faces, substantially as and described.

No. 44,587. Land Anchor. (Ancre pour terre ferme.)



John Stombaugh, Briceton, Ohio, U.S.A., 28th October, 1893; 6 years.

Claim.—In a land anchor, the combination of a base portion A, having an upwardly projecting stem with notches a, and a portion