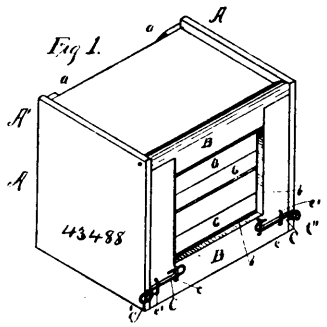
jecting from the frame 1, and adapted to said slot, a worm wheel carried by said frame and a worm carried by the arm 2, and engaging with said worm wheel, substantially as specified. 13th. The combination, of the frame 1, the longitudinally adjustable arm 2, the vertical arm, and a clapping foot in which said vertical arm is swivelled, with devices for securing the said vertical arm in said clamping foot, substantially as specified.

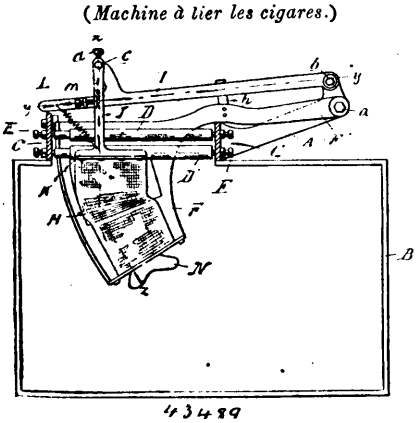
No. 43,488. Egg Crate. (*Boîte à œufs.*)



William Trigg Fisher and Charles H. Fisher, Prigmore, Tennessee, U.S.A., 5th July, 1893 ; 6 years.

Claim.—1st. The combination, with the egg box, of the skeleton door pivoted to the ends of the box and adapted to form, with the top of the box, a receptacle when thrown back on top of the said box, substantially as shown and described. 2nd. The combination, with the egg box and its pivoted skeleton door, of a series of egg crates having ventilating slots which register with each other, a series of egg holders, such as described, secured to said crates, and a series of spring supports located within holders and secured to the crates, substantially as and for the purpose set forth. 3rd. The combination, with the egg box, having ends, the top edge of said ends extending above the top surface of the box, of the pivoted skeleton door provided with spring latches, such as shown, the egg crates having slots and adapted to slide directly upon each other, and the combined egg holder and support secured to the said crates, substantially as and for the purpose set forth.

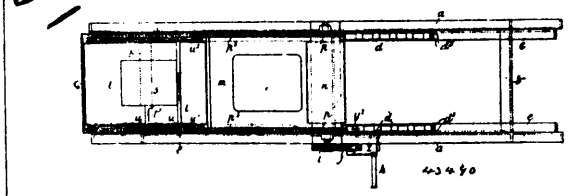
No. 43,489. Cigar Bunching Machine.
(*Machine à lier les cigares.*)



Alexander Gordon, Detroit, Michigan, U.S.A., 5th July, 1893; 6 years.

Claim.—1st. In a bunching machine, the combination of the oscillating bunching table F, the bunching apron and the swinging support J, carried by the oscillating bar I, substantially as described. 2nd. In a bunching machine, the combination of the oscillating bunching table F, the bunching apron, the swinging support J, and the oscillating bar I, carrying the swinging support and the set screw *m* and spring *l*, substantially as described. 3rd. In a bunching machine, the combination of the oscillating bunching table F, the bunching apron, the oscillating bar I, carrying the swinging support J, and the adjustable stop *d*, substantially as described. 4th. In a bunching machine, the combination of the oscillating bunching table, the bunching apron and the oscillating bar I, adapted to be operated by the bunching table and having a loose play, substantially as described. 5th. In a bunching machine, the combination, with the frame, of the bunching rollers D, D¹, the oscillating bunching table F, the bunching apron, the swinging support J, the oscillating bar I, carrying the swinging support, the adjustable stop *d*, on said bar, the spring L, and the adjusting screw *m*, substantially as described. 6th. In a bunching machine, the combination of the oscillating bunching table, the oscillating bar I, operated by said table, the bunching rollers, the bunching apron and the loose connection *h*, all substantially as described.

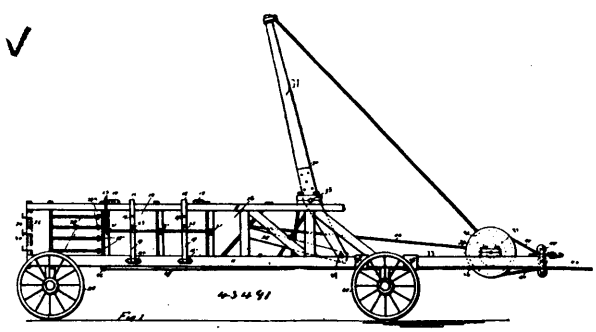
No. 43,490. Process of and Apparatus for Printing Glass. (*Procédé et appareil pour imprimer le verre.*)



James Budd, London, England, 5th July, 1893; 6 years.

Claim.—1st. The described process for printing glass, such process consisting in transferring designs or the like from a lithographic stone or other printing surface to sheets of glass by means of a roller faced with suitable composition, which is first passed over the printing surface and then over the sheet of glass to be printed, the said sheet of glass being supported upon a yielding bed, all substantially as and for the purposes described. 2nd. In a machine for transferring designs from a lithographic stone or other printing surface to a sheet of glass by means of a roller covered with suitable composition, the combination with the said roller of a table sliding on a frame beneath the said roller and carrying the lithographic stone or other printing surface and an elastic or yielding bed upon which the sheets of glass to be printed are placed, the said roller being lifted during the return movement of the table after a printing operation, substantially as and for the purposes described. 3rd. In a machine for printing glass, in which a yielding bed is employed, the combination with the said bed of gauges *t* and *t*¹, arranged and operating substantially as described.

No. 43,491. Press for Hay. (*Presse à foin.*)



Daniel Phialcofsky and Moise Hebert, both of Beauharnois, Quebec, Canada, 5th July, 1893 ; 6 years.

Claim.—1st. A hay press comprising a press box having an opening in the top and a door at its rear end, a cover for the opening, a reciprocating plunger to move in the box, a lever mechanism for forcing the plunger into the box, and for pulling the plunger back out of the press box, substantially as described. 2nd. A hay press comprising a press box, having a door at its rear end and a covered opening in its top, a plunger arranged to reciprocate in the box, a lever mechanism for forcing the plunger into the box, equally with a clutch coupling and a cable connection between the said pulley and plunger, whereby the tension of the cable pulled up by the pulley will move the plunger forward, substantially as described. 3rd. A hay press comprising a press box having a covered opening in its top and a door at its rear end, a tilting lever fulcrumed in front of the press box, a cable and a right and left grooved cone pulley for tilting the lever, a plunger operated by the lever, and adapted to reciprocate in the box, and a pulley with clutch coupling operatively connected with the plunger to return it after being actuated by the lever, substantially as described. 4th. The combination of the press box, the plunger, the tilting lever for operating the plunger, the right and left grooved cone pulley with its clutch coupling, the pulley with clutch coupling and cable for tilting the lever, the main drum to turn the cone pulley, and the two cables winding around and unwinding alternatively from the drum and connected with the drum, and also, the lever mechanism for throwing the clutch couplings into gear and out of gear, substantially as described. 5th. The combination of the press box having a covered opening in its top, a door in its rear end and slots in its sides, and the compressing plunger held to reciprocate in the press box, substantially as described. 6th. The combination of the press box, the swinging cover for the same, the cross bars secured to the cover and projecting beyond both sides of the box, the spring pressed latch bars to engage the cross bars of the cover, and the eccentric rods journalled on both sides of the press box and adapted to engage and release the latch bars, and also the double eyed hinge for the top cover, substantially as described.