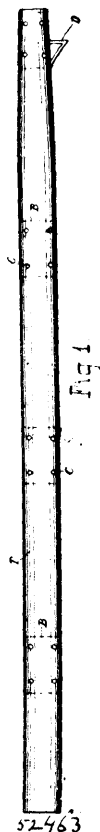
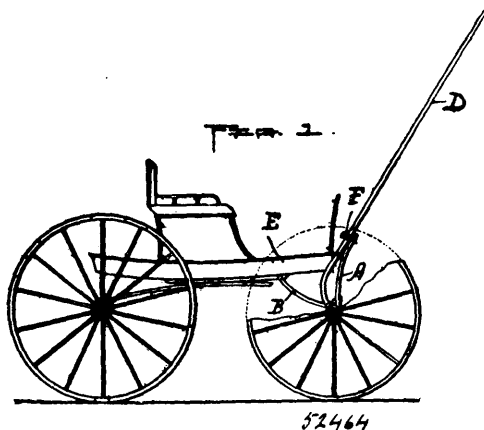


B, in which the sockets, S, are formed, substantially as described.
5th. A vehicle tongue or pole, composed of sections, T, in which



holes, C, are formed, and provided with ribs or flanges, R, in combination with the braces, B, having studs, A, secured to, or formed integral therewith, substantially as described.

No. 52,464. Shaft-Support for Vehicles.
(Support de limonière.)

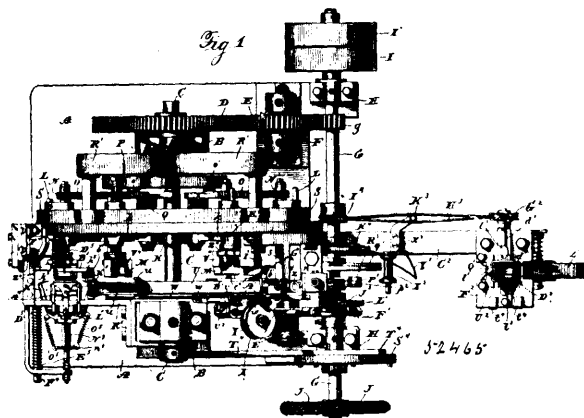


Stephen Randall Peters, Sterling, and Milton Moses Favor, Gardner, both in Massachusetts, U.S.A., 1st June, 1896; 6 years.
(Filed 5th September, 1895.)

Claim.—1st. A shaft-support for vehicles, comprising in combination the two arms A, B, the perforated place C, rigidly attached to the end of one arm, and to the outer end of which plate is pivoted the end of the other arm, and the holding-pin *c* passed transversely through one of the holes in said plate C, against which the end of the pivoted arm is adapted to bear, to hold said arm from swinging out beyond a certain point when the device is opened for use, and which admits of said device being compactly folded when not in use, substantially as shown and specified. 2nd. The combination with the shafts, the body and front axle attachments of a vehicle, of a shaft support comprising two arms A, B, the perforated place C, rigidly attached to the end of one arm and to the outer end of which

plate is pivoted the end of the other arm, and the holding-pin *c* passed transversely through one of the holes in said plate C, against which the end of the pivoted arm is adapted to bear to hold said arm from swinging out beyond a certain point when the device is opened for use and which admits of said device being compactly folded when not in use, substantially as shown and specified.

No. 52,465. Box Making Machine.
(Machine à faire des boîtes.)



The Diamond Match Company, Chicago, Illinois, U.S.A., assignee of Charles Loyens and Anders Paulson, both of Breda, Holland, 1st June, 1896; 18 years. (Filed 8th April, 1896.)

Claim.—1st. In a box making machine, the combination of a rotatable mandrel, means to co-operate therewith to form a box, and a pinion and rack mechanism for rotating the mandrel, substantially as and for the purpose specified. 2nd. In a box making machine, the combination of a rotatable mandrel, a series of devices to co-operate therewith to form a box, a carrier to move the mandrel to said devices in succession, and a pinion and rack mechanism for rotating the mandrel, substantially as and for the purpose shown. 3rd. In a box making machine, the combination of a rotatable series of rotatable mandrels, a series of devices to co-operate with each of the same to form a box, and a pinion and rack mechanism for rotating each mandrel, substantially as and for the purpose set forth. 4th. In a box making machine, the combination of a rotatable series of rotatable mandrels, sources of supply of material for forming boxes, a series of devices to co-operate with each mandrel to form a box, and a pinion and rack mechanism for rotating each mandrel, substantially as and for the purpose described. 5th. In a box making machine, the combination of a rotatable mandrel, a pinion connected therewith, a pivoted segment meshing with the pinion, means to co-operate with the mandrel to form a box, and means to vibrate said segment during a box-forming operation, substantially as and for the purpose shown. 6th. In a box making machine, the combination of a rotatable carrier, a series of shafts journaled therein, a mandrel upon each shaft, a pinion on each shaft, a segment meshing with each pinion and pivoted to the carrier, cam mechanism to vibrate the segments, and a series of devices to co-operate with the mandrels to form boxes, substantially as and for the purpose specified. 7th. In a box making machine, the combination of a source of supply of blanks to form the sides and ends of a box, a source of supply of box bottoms, a source of supply of paper, a mandrel or former movable from one of said sources of supply to the other, in succession, a pinion and rack mechanism for rotating said mandrel, means for folding a blank upon the mandrel to form the box sides and ends, means for placing a bottom in the path of the folded blank, means for simultaneously attaching the paper to the bottom and said folded blank, and means for completing the folding and attaching of the paper to the latter and the bottom, substantially as and for the purpose specified. 8th. In a box making machine, the combination of means to form the frame composed of sides and ends, and for placing a bottom in position for attachment thereto, a rotatable mandrel upon which said frame is formed, a pinion and rack mechanism for rotating said mandrel, means for securing paper to adjacent portions of the frame and bottom, and mechanism acting after the frame and bottom have had the paper attached thereto, for placing the bottom in its final position in the complete box, and suitably folding and securing the paper to the latter, substantially as and for the purpose described. 9th. In a box making machine, the combination of the mandrel, or former, a pinion and rack mechanism for rotating said mandrel, a source of supply of paper, a knife, and means to move the paper to the knife to sever it and to place it in contact with a blank on the mandrel, substantially as and for the purpose specified. 10th. In a box making machine, the combination of the mandrel, pinion and rack mechanism for rotating said mandrel or former, a source of supply of paper, a knife, and a pivoted arm to move the paper against the knife to sever it and carry it in contact with a blank on the mandrel, substantially as and for the purpose set forth. 11th. In a box making