

ing valves arranged in such passages, one reversing valve acting to cut off the inlet and open the outlet on one side of the cylinder and the other at the same time to open the inlet and cut off the exhaust on the opposite side of the cylinder, means for operating these reversing valves simultaneously, and a piston rotatably mounted in the cylinder adapted to cover and uncover the inlet passages by and during its rotations and provided with wing mechanism to control the exhaust whereby the movements of the reversing valves tend to rotate the piston in either direction, substantially as described. 15th. In an engine of the class described, the combination of a cylinder provided with inlet and outlet passages, a piston rotatably mounted in such cylinder and provided with a steam pocket to cover and uncover the inlet passage or passages by and during its rotations, and with wing mechanism, and a valve arranged in the inlet and outlet passages between the main supply channel and the exhaust opening and arranged to connect the main supply channel with either the inlet or exhaust so as to destroy a dead centre, substantially as described.

**No. 67,209. Road Making Machine.**

(Machine pour la construction des chemins.)

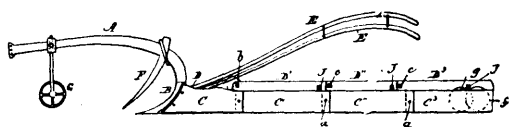


Fig. 1.

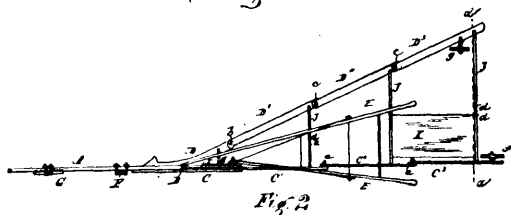


Fig. 2

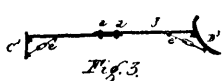


Fig. 3.



Fig. 5

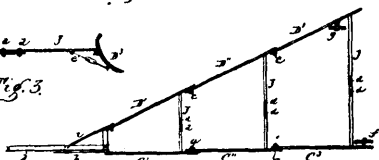


Fig 4

67209

Stephen Robins Maneer, Port Dover, Ontario, Canada, 3rd May, 1900; 6 years. (Filed 17th April, 1900.)

*Claim.*—1st. A road making machine consisting of a series of landsides pivotally connected together, and a series of mould boards pivotally connected together, and braced and attached to a tongue or to a plough, substantially as specified. 2nd. A road making machine consisting of a series of landsides pivotally connected together, and a series of mould boards pivotally connected together, their front or forward sections attached to a plough or to a tongue, a series of adjustable braces connecting the landsides and the mould boards and a series of short slanting auxiliary braces provided with swivels, connecting the said horizontal braces with the mould boards on one side and the horizontal braces and landsides on the other, substantially as specified. 3rd. In a road making machine, the combination of the landside sections C, C<sup>1</sup>, C<sup>11</sup>, C<sup>3</sup>, the mould board sections D, D<sup>1</sup>, D<sup>11</sup>, D<sup>3</sup>, the beam A, or tongue, the draw bar I, adjustable braces j, and the slanting auxiliary swivel braces e, and the wheels f, g, all constructed substantially as and for the purpose specified.

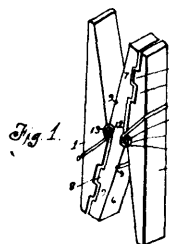
**No. 67,210. Clothes Pin.** (*Epingle à linge.*)

Frederick S. Graves, North Hancock, Maine, U.S.A., 3rd May,  
1600 ; 6 years. (Filed 17th April, 1900.)

**Claim.**—In a clothes pin, the combination with the two outer bars beveled on their inner sides from the centre to each end and formed with rectangular interlocking projections and recesses in the inner faces at opposite ends and formed in the outer faces or sides with transverse grooves, and in the inner sides with semi-circular transverse grooves, of the central bar bevelled from the centre to the ends on opposite sides formed with central semi-circular grooves and with transverse grooves at opposite sides of said central grooves, and the springs each consisting of a single piece of spring wire bent into a number of central coils seated in said central grooves.

5-3

and formed with oppositely inclined upwardly and downwardly extending arms, the extremities of which are bent inwardly at right



*Fig. 1.*

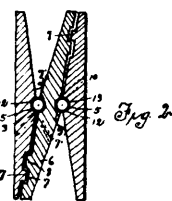


Fig 2.

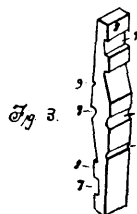


Fig. 3.

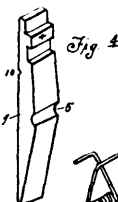


Fig. 4



Fig. 5.

67210

angles and engaged with the grooves at the sides of said central grooves, substantially as described.

**No. 67,211. Car Coupler.** (*Attelage de chars.*)

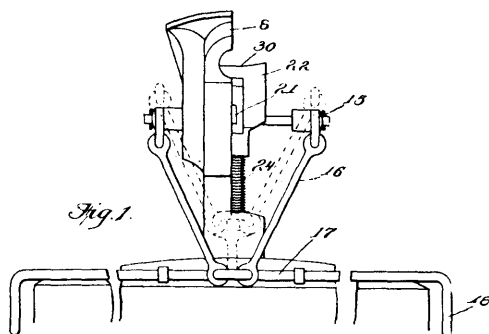


Fig. 2

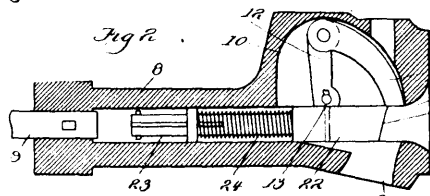


Fig 1

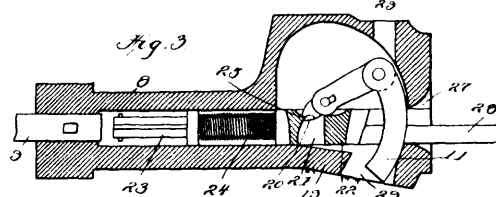


Fig.

67211

Bjarni J. Johnson, Spanish Fork, Utah, U.S.A., 3rd May, 1900; 6 years. (Filed 17th April, 1900.)

*Claim.*—1st. In a car coupling, the combination with a chambered drawhead, of an arm pivoted therein, and carrying a curved coupling at its outer end, said arm being extended beyond its pivot and provided with side lugs on the extension, and a spring actuated thrust bar, provided with a vertical slot slightly longer than the width of the extension and having curved forward points on the rear wall of its slot, substantially as described. 2nd. In a car coupling, the combination, with a chambered drawhead, of an arm pivoted therein, and carrying a curved coupling pin at its outer end, and a spring actuated thrust bar adapted to normally support the pin in position for automatically coupling, the drawhead being provided