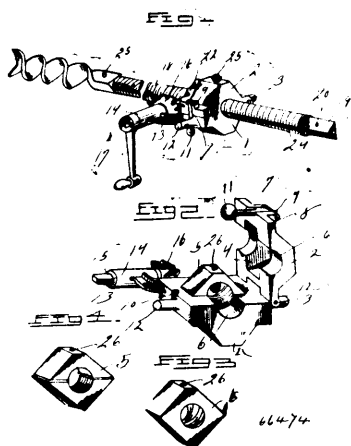


to the upper portion of the supporting frame, a rectangular keeper pivoted to the said caps and falling over the upper extensions of the legs, a plurality of spiral springs pending from the horizontal portion of the supporting frame and supporting the swinging chair or baby jumper, said chair consisting of an adjustable back pivoted to the side frames, an adjustable foot rest pivoted to said side frames, means for operating said adjustable back and said adjustable foot rest in unison, substantially as shown and described. 2nd. In a swinging chair or baby jumper, the combination of an adjustable back pivoted at its lower extremity to the side frames of said chair, an adjustable foot rest secured to levers pivoted to said side frames, with means for operating said back in unison with said foot rest, said means consisting of flexible connections working through guides attached to said side frames, substantially as shown and described.

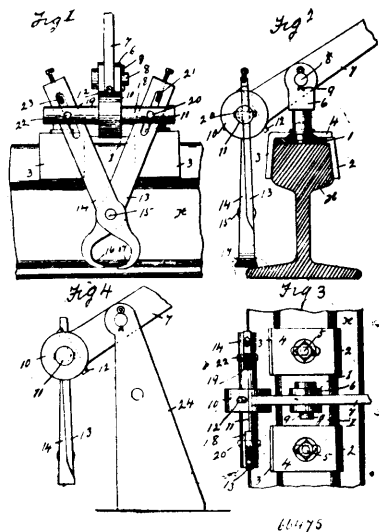
No. 66,474. Drilling Machine. (Machine à forer.)



Hermann Staplemann, Newark, Ohio, U.S.A., 5th March, 1900; 6 years. (Filed 10th February, 1900.)

Claim.—In a drilling machine, the combination with a two part boxing hinged to each other at one end and having communicating recesses at its other end, a gravity arm pivoted to the upper part of the boxing to automatically engage the recesses in both parts when the said parts are brought together, the outer end of the arm having a spherical enlargement, a nut removably seated in a chamber or cavity formed within the boxing, the latter having openings on a line with the opening in the nut, and a threaded shaft having its opposite ends shaped to receive a bit, together with devices for holding the bit in place, and mechanism for turning the shaft, substantially as shown and for the purpose set forth.

No. 66,475. Spike Puller. (Arrache-cheville.)

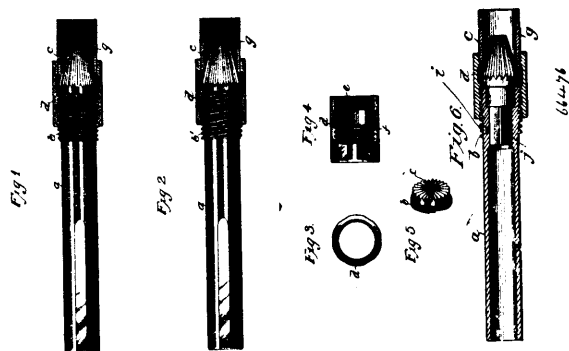


William Fielden, Port Oran, New Jersey, U.S.A., 5th March, 1900; 6 years. (Filed 10th February, 1900.)

Claim.—1st. A spike puller, comprising a bed plate adapted to rest on the top of a railway rail, clips adjustably mounted on said

bed plate for engaging the sides of the rail, a fulcrum block having pivotal connection with the plate so as to rotate in a horizontal plane relatively to the plate, a lever fulcrumed in said block, a cross head carried by said lever, jaw carrying levers pivoted together and having sliding connection with the cross head, and gripping jaws on said levers, substantially as specified. 2nd. A spike puller, comprising a bed plate adapted to rest upon the top of a railway rail, clips having adjustable connection with said plate for engaging the sides of the rail, a fulcrum block having pivotal connection with the bed plate so as to rotate in a horizontal plane relative to the plate, a lever fulcrumed in said block, a cross head mounted to rotate in said lever, the said cross head being provided with slots, jaw carrying levers pivoted together and having portions extended through said slots, the said portions being slotted and pins extended through the cross head and through the slots on the jaw carrying levers, substantially as specified. 3rd. A spike puller, comprising a bed plate adapted to rest on the top of a railway rail, a fulcrum block mounted to rotate in a horizontal plane on said plate, a lever fulcrumed in said block, and jaw carrying levers carried by the first named lever, substantially as specified.

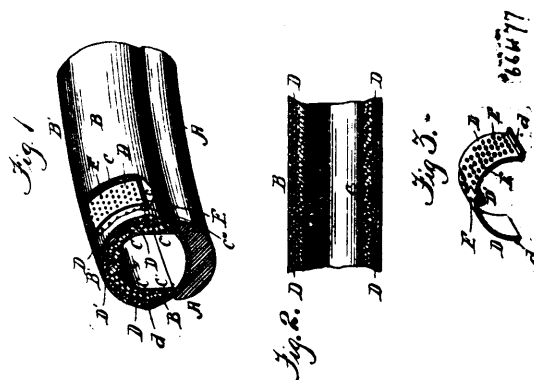
No. 66,476. Nipple Holder. (Porte cheminée.)



Ernest Linwood Fox, Springfield, Massachusetts, U.S.A., 5th March, 1900; 6 years. (Filed 5th February, 1900.)

Claim.—1st. A nipple holder comprising a chuck rod provided with quick pitch screw threads adjacent to its nipple engaging end and formed with a nipple holding end provided with serrations to engage and hold a nipple while being screw threaded, and a coupling sleeve provided with interior right and left hand screw threads at its opposite ends, those at one end to engage the quick pitch threads of the chuck rod and differential threads at the other end to engage and hold the nipple, substantially as described. 2nd. A nipple holder comprising a chuck rod provided with quick pitch screw threads adjacent to its nipple engaging end and formed with a recess in the end, a removable nipple holding end with its shank to fit said opening and provided with serrations on the projecting portion to engage the nipple, and a coupling sleeve provided with interior threads, one to engage the thread on the chuck rod and one to engage the thread of the nipple, substantially as shown.

No. 66,477. Pneumatic Tire. (Bandage pneumatique.)



Philippe Rousseau, Terrebonne, Quebec, Canada, 5th March, 1900; 6 years. (Filed 9th October, 1899.)

Claim.—In a pneumatic tire, the outer tire or tube B, an inner tire or stiffening portion C, and the series of pairs of aluminium plates D, the lower edges of said plates being provided with cut