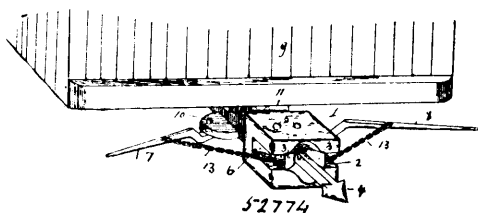


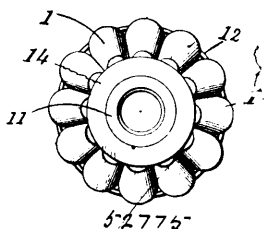
Claim.—1st. In a car-coupling, the combination with a car of a draw-head mounted thereon, horizontally-disposed spring-actuated



jaws mounted in the draw-head and adapted to engage an arrow-head link, levers located at the opposite sides of the car fulcrumed intermediate of their ends and having their inner portions engaging each other, and chains connecting the levers with the jaws, substantially as described. 2nd. In a car-coupling, the combination with a car, of a draw-head, spring-actuated jaws, pivotally mounted in the draw-head and adapted to engage an arrow-head link, a frame receiving the shank of the draw-head and provided with extensions oppositely-disposed levers fulcrumed intermediate of their ends on the extensions and having their inner portions engaging each other, a keeper mounted on the frame and receiving the inner portions of the levers, and connections between the outer portions of the levers, and the spring-actuated jaws, substantially as and for the purpose described. 3rd. In a car-coupling, the combination with a car, of a draw-head, spring-actuated jaws mounted in the draw-head, a pair of oppositely-disposed levers fulcrumed intermediate of their ends, and having their inner ends arranged to engage each other, and their outer portions connected with the said jaws, and a connection between the inner portions of the levers, substantially as and for the purpose described.

No. 52,775. Antifriction Bearing.

(*Coussinet de tourillon sans friction.*)



William Hamilton Wright, Buffalo, New York, U.S.A., 26th June, 1896; 6 years. (Filed 8th June, 1896.)

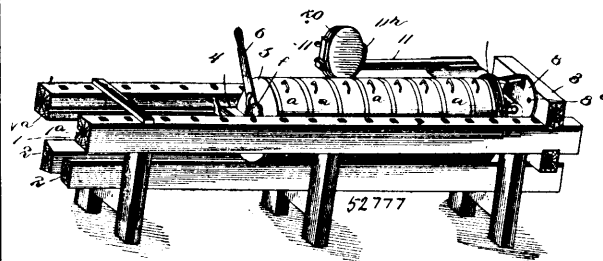
Claim.—1st. A roller bearing, consisting of a removable tapering nut having a surrounding depression forming a roller seat, a series of tapering rollers 1 having a retaining projection at each end adapted to fit in said seat, rim bands for keeping the rollers in place, and an outer bearing case provided with a screw nut 10 for excluding the dust, forming the outer bearing in combination with an inner bearing at the large end of the hub, consisting of a tapering portion 16a, a series of tapering rollers having retaining projections, rim bands for retaining them in place and an outer bearing case, the two outer cases being retained in place in the hub by a connecting sleeve 7 secured rigidly to them, and a felt washer 24 for excluding the dust located between two retaining washers 22 and 23, substantially as described. 2nd. A roller bearing, consisting of a removable tapering nut having a surrounding depression forming a roller seat, a series of tapering rollers having a retaining projection at each end adapted to fit in said seat, rim bands for keeping the rollers in place, and an outer bearing case provided with a screw nut, for excluding the dust, forming the outer bearing, in combination with an inner bearing at the large end of the hub, consisting of a tapering portion 16a, a series of tapering rollers having retaining projections, rim bands for retaining them in place, and an outer bearing case, the two outer cases being retained in place in the hub by a connecting sleeve 7 secured rigidly to them, substantially as described. 3rd. The combination with a series of tapering rollers, of a cone forming the inner bearing around which the rollers travel, and having a tapering form corresponding with the rollers, and an outer tapering case forming the inclosing bearing for the rollers, the whole formed on corresponding tapering lines which terminate at a common centre, for the purposes described. 4th. A roller bearing consisting of a tapering nut, a series of correspondingly tapering rollers, an inclosing bearing case of a tapering form corresponding with the rollers, and means for preventing the rollers from leaving the bearing when detached, substantially as described. 5th. A roller bearing consisting of a tapering nut, a series of correspondingly tapering rollers, an inclosing bearing case of corresponding tapering form, rim bands for keeping the rollers in place, and means for locking the tapering nut to the shaft, substantially as described.

No. 52,776. Process of Reducing Lead Scum to Powder. (*Procédé pour réduire l'écume du plomb en poudre.*)

Joseph Williams, sr., Sharpsburg, Pennsylvania, U.S.A., 26th June, 1896; 6 years. (Filed 8th June, 1896.)

Claim.—The process of reducing the scum or litharge to a powder by conveying the litharge while hot into pure water or water impregnated with alkali or other substances.

No. 52,777. Cheese Press. (*Presse à fromage.*)

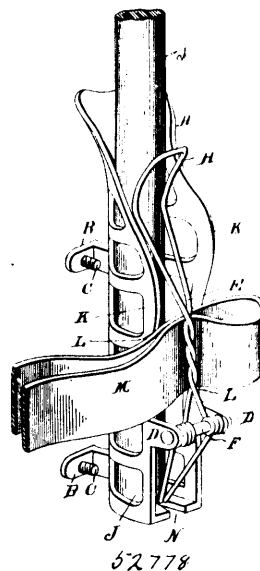


Daniel Arnold Sprague, Poland, New York, U.S.A., 26th June, 1896; 6 years. (Filed 8th June, 1896.)

Claim.—1st. In a continuous-pressure press, a frame, a fixed head or end, a movable head, a pressure-exerting mechanism acting in opposition to the movable head and between which and the movable head the cheese-hoops are placed, a continuous-pressure lever operating on the movable head and an equalizer consisting of jointed connections between the head or end and movable head and a cross connection between the joints of the connections combined, substantially as set forth. 2nd. In a continuous-pressure press, a fixed head, a movable head, a pressure-lever having an arm extending between the fixed head and movable head, a fixed fulcrum therefor on the fixed head, a movable block between the lever and movable head and a rolling weight on the pressure-lever combined, substantially as set forth. 3rd. In a press, a frame, a fixed head, a movable head, a lever having a projecting arm extending between the fixed head and movable head, a fixed fulcrum therefor, a movable block between the lever-arm and the movable head and a weight on the lever combined, substantially as set forth. 4th. In a press, the combination of a fixed head, a movable head, a pressure-lever having an arm extending between the fixed head and movable head and operating on the movable head, a movable weight on the lever, an equalizer consisting of two jointed connections between the movable head and fixed head, and a cross connection between the joints, substantially as set forth.

No. 52,778. Whip and Line Holder.

(*Porte-fouet et guides.*)



Hugh Wright, Rock Island, Illinois, U.S.A., 27th June, 1896; 6 years. (Filed 8th June, 1896.)

Claim.—1st. The combination of the socket A adapted to be fastened to the dash of the vehicle and provided with perforated ears D, bolt F seated in said ears, and the spring E intermediately coiled about said bolt and adapted to press at both of its ends towards the interior of said socket, substantially as and for the