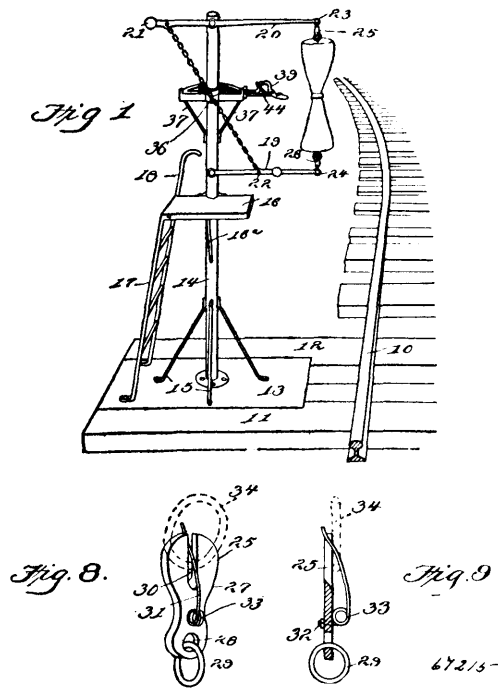


centre of said base, a ball seat formed in said lug, a lug extending from the centre of said annular lug and provided with a bolt opening, and a shoulder formed on the outside of said centre lug, of the lower member comprising the base plate, an annular lug extending upwardly from the same, a ball seat formed in said lug, an annular flange extending upwardly from the inner side of said ball seat, and a bolt opening extending through the centre of the plate, and balls secured between said ball seats. 2nd. The combination with a whiffletree coupling and its bolt, of a plate having a bolt opening and a bore larger than the bolt opening formed through said plate, and a coil spring secured within said bore. 3rd. The combination with a whiffletree coupling and its bolt, of a plate having a central annular lug extending from each side thereof, a bore formed through one of said lugs, through the plate, and partly through the other lug, and a bolt opening through one of said lugs of less diameter than the said bore, and a coil spring secured within said bore and around the coupling bolt. 4th. In a whiffletree coupling, the combination of the lower plate having a central annular lug, a ball seat formed in said lug, and an annular flange formed around the inner side of said ball seat, the upper plate having a central annular lug, a ball seat formed therein, a lug extending from said annular lug, and a shoulder formed around the same, a plate having central annular lugs extending from the top and bottom of the same, a bore formed entirely through one of the lugs and plate, and partly through the other lug, a bolt opening formed through said other lug, of less diameter than the bore, a coil spring seated within said bore, and a bolt and nut to secure the parts in operative relation.

No. 67,215. Mail Bag Catcher and Deliverer.

(Attrappe-sac pour chars.)

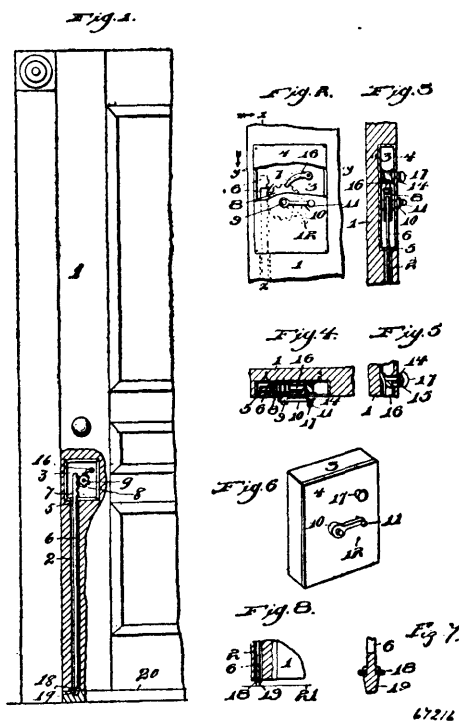


F. N. McDavitt and Arthur W. McDavitt, both of La Plata, Missouri, U.S.A., 3rd May, 1900; 6 years. (Filed 17th April, 1900.)

Claim.—1st.—In a mail bag catcher and deliverer, a suspending hook consisting of a flat body, having a longitudinal notch and provided with means for connecting it to the crane arms, in combination with a spring secured to the flat body and normally projecting through the notch, substantially as described. 2nd. In a mail bag catcher and deliverer, a platform secured on the projecting ends of the ties, and a metal tubular post mounted thereon and braced thereto, in combination with an upper platform secured and braced to the post, a step ladder connecting the two platforms, and a projecting pole of the ladder forming a hand rail, substantially as described. 3rd. In a mail bag catcher and deliverer, the combination with a post, a weighted steel arm pivoted to the post and adapted to be extended toward the track and provided with a ring at its outer end, a similar upper arm pivoted to the post having a ring at its front end, and its rear end extended beyond the pivot and weighted, a chain connecting the weighted arm with the yielding extension, and hooks secured in the eyes of the arms to yieldingly hold a mail bag, substantially as described. 4th. In a mail bag catcher and deliverer, the combination with a post of a semi-circular bar secured thereto in a horizontal position, an arm pivotally mounted on the post and supported by said bar, and a bag catching hook at the outer end of the bar, substantially as described.

5th. In a mail bag catcher and deliverer, the combination with a post and a semi-circular bar secured thereto in a horizontal position, an arm pivotally mounted on the post and supported by said bar, a hook at the end of the bar, a trigger to engage the bar to hold it against turning on the post, and a spring actuated arm pivoted to the semi-circular bar and normally holding the trigger in position, said bar being in the path of a bag entering the throat of the hook, substantially as described. 6th. In a mail bag catcher and deliverer, the combination with a post of an arm pivoted thereon, a hook at the outer end thereof, an elbow lever trigger having its vertical arm adapted to hold the bar against turning, and a bar holding the trigger in position and located in the path of a mail bag entering the throat of the hook, substantially as described. 7th. In a mail bag catcher and deliverer, a hook for catching the bags provided with a lug on its outer side, a pin in said lug, and a spring bar having its central portion coiled about the pin, the outer end of the spring bar beating against the outside of the outer arm of the hook, and the inner end against the inner side of the inner arm of the hook, substantially as described. 8th. In a mail bag catcher and deliverer, the combination of a vertically slidable and rotatable bar mounted in the car door and having its upper and lower ends bent at right angles forming arms upon which to suspend a mail bag, of a keeper or latch adapted to lock the arms extended when weighted with mail bag, and to free them when the bag is removed, and a spring adapted to raise the arms above the keeper when released of the weight of the mail bags, substantially as described. 9th. In a mail bag catcher and deliverer, the combination of a vertically slidable and rotatable bar mounted in the car door and having its upper and lower ends bent at right angles forming arms on which to suspend a mail bag, of a keeper and latch adapted to lock the arms extended when weighted with a mail bag, and to free them when the bag is removed, a spring for normally holding the arms raised, and a spring with a normal tendency to turn the arms into the car, substantially as described. 10th. In a mail bag catcher and deliverer, the combination of three staples or eyes secured to the car in a vertical line, a vertical bar slidable and rotatably mounted therein, suspending arms projecting at right angles from the ends of the vertical bar, a stop arm projecting from the vertical bar at right angles to the suspending arms, a collar on the vertical arm, a latch or keeper secured to the door and having a horizontal and vertical arm, a spring coiled about the vertical bar above the staple and below the collar, and a second spring coiled about the vertical bar having one end secured to the car and the other to the stop arm, substantially as described.

No. 67,216. Door Check. (Arrête-porte.)



Springer Wilson, Connellsville, Pennsylvania, U.S.A., 3rd May 1900; 6 years. (Filed 19th April, 1900.)

Claim.—1st. In a door check and lock, the combination with the locking stile having a recess and a vertical channel registering therewith, of a casing arranged in said recess and a rod arranged within the channel, a ratchet wheel arranged within said casing, means connected to said wheel for operating the same, a locking pawl for