A. J. TAYLOR, Jr.

MAIL DELIVERER AND RECEIVER.

APPLICATION FILED DEC. 4, 1912.

1,067,077. Patented July 8, 1913.

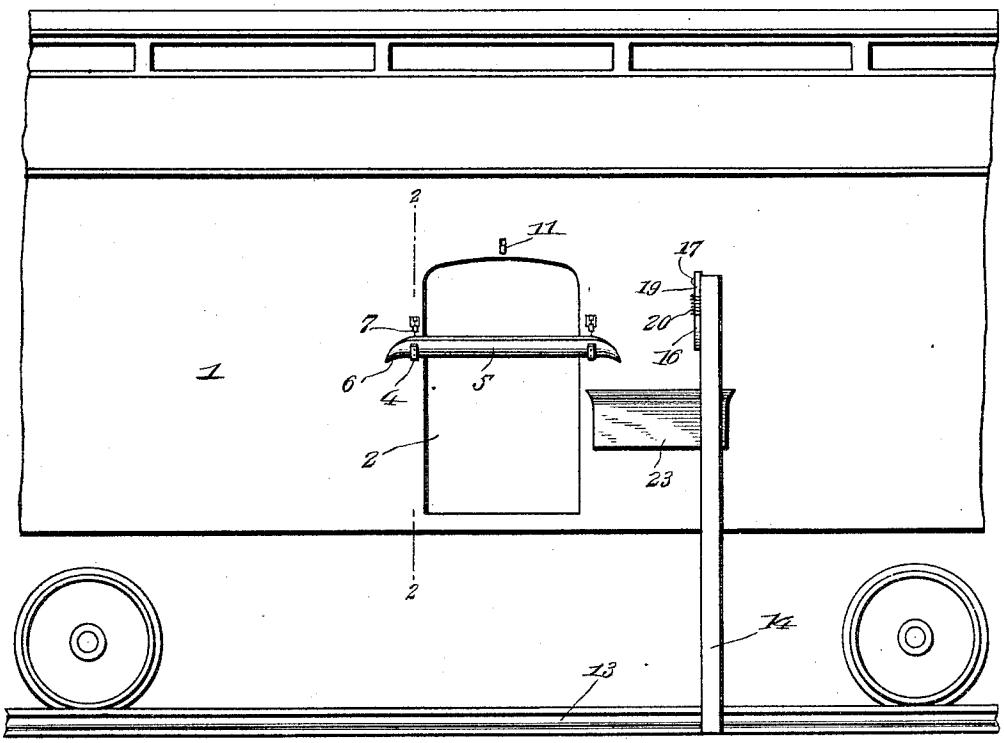


Fig. 1.

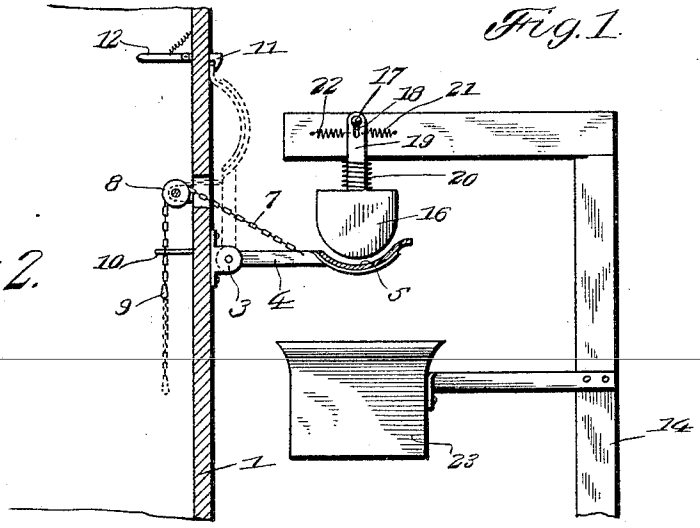


Fig. 2.

Witnesses

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ASA J. TAYLOR, JR., OF GLENCOE, ILLINOIS.

MAIL DELIVERER AND RECEIVER.

1,067,077. Specification of Letters Patent. Patented July 8, 1913.

Application filed December 4, 1912. Serial No. 734,955.

To all whom it may concern:

Be it known that I, ASA J. TAYLOR, JR., a citizen of the United States, residing at Glencoe, in the county of Cook and State of Illinois, have invented new and useful Improvements in Mail Deliverers and Receivers, of which the following is a specification.

This invention relates to mail bag deliverers and receivers and the principal object of the invention is to provide a simple and efficient device of this character which may be conveniently operated and in which the bag is pushed or brushed from a trough or support into a receptacle arranged by the roadside.

Further objects of this invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application, and in which:—

Figure 1 is a side elevation. Fig. 2 is a vertical sectional view on the line 2—2 of Fig. 1.

Referring more particularly to the drawing, 1 represents an ordinary mail car having a window or door opening 2 formed in its side. Secured to the car on opposite sides of the opening are brackets 3 to which are pivoted the arms 4 carrying a trough-shaped bag supporting member 5 whose ends are downwardly turned as shown at 6. This bag supporting trough is held in horizontal or operative bag supporting position by means of the chains 7 which pass over pulleys 8 journaled on the car and having operating handles connected to their inner ends as shown at 9. One of the links of each chain is engaged on a lateral stud 10 which serves to hold the trough in adjusted position. When in inoperative position as shown in dotted lines in Fig. 2 the trough is held in raised position by means of the hook 11 which passes through an opening immediately above the pulleys 8 and is provided with an operating handle 12 on either side by which the same may be released from the trough.

Mounted adjacent the track 13 is a standard or post 14 having a laterally extended arm 15 which carries a vertically and laterally movable brush or pusher 16 and suspended upon a pin 17 carried by the arm 15. The pin 17 extends through a longitudinal slot 18 in the brush supporting rod 19 and surrounding this rod is a spiral spring 20 which normally holds the brush in depressed position. Suitable springs 21 and 22 are arranged upon opposite sides of the rod so as to hold it against horizontal swinging and in normal position. It will be understood that the springs 20, 21 and 22 permit the brush or pusher 16 to readily adjust itself to the trough-shaped bag supporting member 5.

Supported upon the post 14 with one end thereof immediately below the brush is a receptacle 23 adapted to receive the bag as it is pushed off of the trough-shaped support.

In the operation of the device the trough 5 is lowered into horizontal position and the bag placed therein. As the train proceeds past the station the brush enters the trough and engages the bag shoving the same off of the trough into the receptacle 23. The flaring and downwardly projecting end 6 of the trough permits the brush to engage the same whether slightly out of alinement therewith or not and the springs 20, 21 and 22 permit the brush to give accordingly thereby preventing the rupture of any of the parts. After the bag has been pushed or brushed off of the trough 5 the same is raised to an out-of-the-way position, its outer edge being engaged by the hook 11.

What is claimed is:—

1. In a mail bag delivering and receiving device the combination with a mail car, of a trough-shaped bag support pivotally mounted thereon, studs carried by the car, chains connected to the bag support for coacting with the studs for holding the support in operative position and means arranged alongside the track for pushing the bag off the support.

2. In a mail bag delivering and receiving device the combination with a car, of a trough-shaped receptacle mounted thereon, a standard arranged alongside of the track, a vertically and horizontally movable brush or pusher carried by the standard and adapted to engage a sack pushed in the trough and a receptacle arranged beneath the brush.

In testimony whereof I affix my signature in presence of two witnesses.

ASA J. TAYLOR, JR.

Witnesses:

JULIEN JORDAN,

ANNE R. BALES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."