

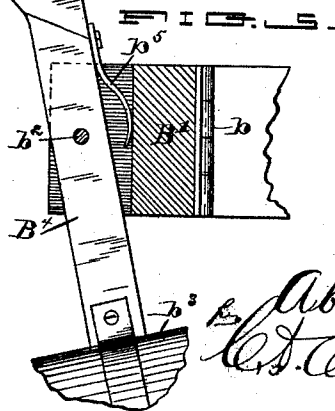
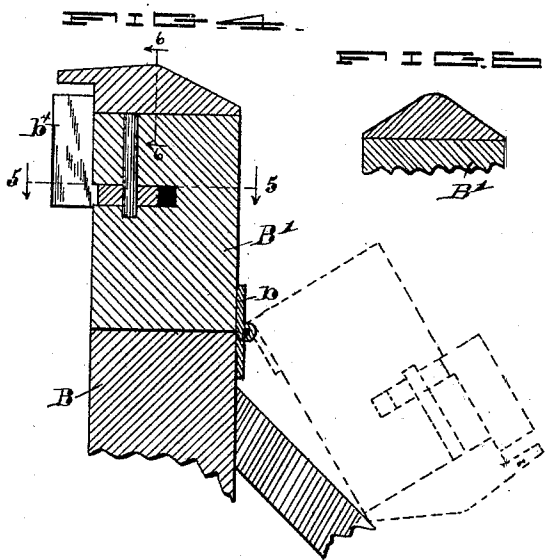
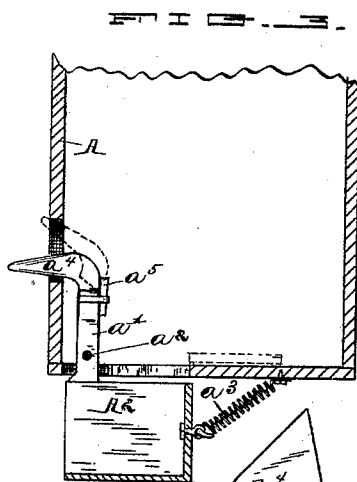
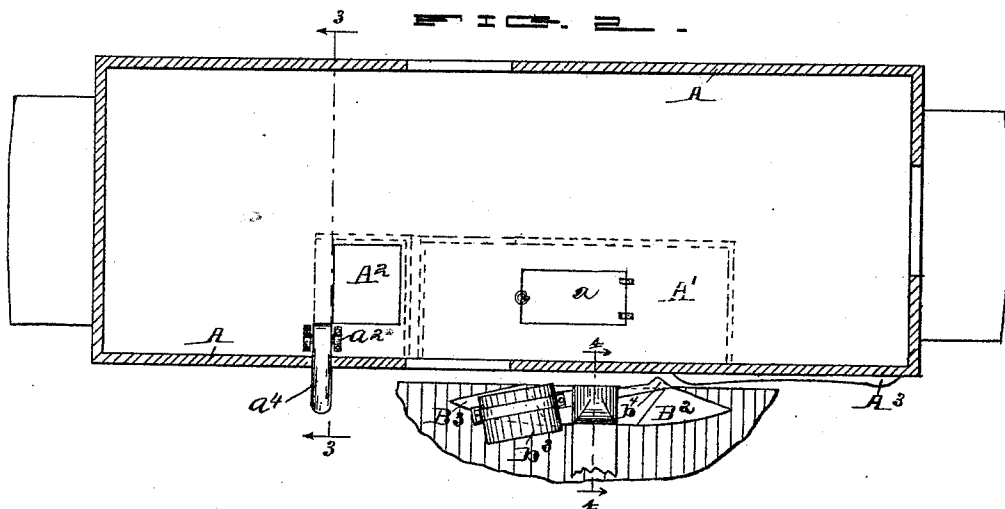
(No Model.)

2 Sheets—Sheet 2.

A. KIMBER.
MAIL POUCH DELIVERER.

No. 460,057.

Patented Sept. 22, 1891.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ABRAHAM KIMBER, OF INDIANAPOLIS, INDIANA.

MAIL-POUCH DELIVERER.

SPECIFICATION forming part of Letters Patent No. 460,057, dated September 22, 1891.

Application filed July 29, 1891. Serial No. 401,041. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM KIMBER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Mail-Pouch Deliverers, of which the following is a specification.

The object of my said invention is to provide an improved apparatus for delivering mail-pouches from postal cars in motion which will obviate the use of catching-hooks and overcome the disadvantage of their use; and it consists in the particular construction and arrangement of apparatus, as will be hereinafter more fully described and claimed; and it further consists in so equipping the car with the device that it will not be necessary to open the outer door of the car unless desired, and so that no outdoor work will be required in the use of the apparatus, thus also obviating a disadvantage of the old apparatus in necessitating the exposure of the postal clerk in cold and stormy weather. This advantage is one of great importance, inasmuch as the work of said clerks is such as requires considerable exertion and rapidity of movement, causing them to become heated and to work lightly clothed, in which condition the several moments' exposure in severe weather while fixing each pouch to be delivered and taking in the one received is very dangerous to their health, the requirements of the work not permitting the use of time for properly clothing themselves for such work and the removal of such additional clothing when returning to the inside work of sorting and distributing the mail.

In addition to the delivering device on the car and herein claimed, I have also shown and described a delivering device at the station adapted to deliver the mail-pouch to the car while in motion, which device is made the subject-matter of an application filed August 3, 1891.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a perspective view of one side of a railway postal car equipped with the portion of my apparatus belonging thereto, the other portion thereof being also shown in

perspective alongside the track in proper position for use therewith; Fig. 2, a horizontal sectional view through the postal car, showing the apparatus alongside the track in top plan; Fig. 3, a detail transverse section through said car, looking in the direction indicated by the arrows from the dotted line 3 3 in Fig. 2; Fig. 4, a detail vertical section through the upper portion of the post to which the mechanism alongside the track is attached, looking in the direction indicated by the arrows from the dotted line 4 4 in Fig. 2; Fig. 5, a horizontal section looking in the direction indicated by the arrows from the dotted line 5 5 in Fig. 4; and Fig. 6, a detail transverse section through the top of the post, looking in the direction indicated by the arrows from the dotted line 6 6 in Fig. 4.

In said drawings, the portions marked A represent the postal car, and B the post supporting the portion of the apparatus alongside the track.

The postal car is in itself of any usual or desired construction. Extending longitudinally of the car beneath its floor and for a considerable portion of its length is arranged a receptacle A' for receiving the pouches. The front of said receptacle is open, its lower edge being preferably provided with a rail extending up a short distance from the bottom. Said bottom and the rear sides of the receptacle are preferably formed of some flexible or springy material, such as woven-wire cloth, as shown, which will be found very suitable, being open to permit dirt and cinders to drop through and at the same time possessing sufficient elasticity for the purpose. Any other flexible material may be substituted, however, if preferred, or, if desired, a solid board construction may be used. The flexible material, however, allows the pouch to settle into it when received and avoids any danger of its rebounding, as might be the case with a board bottom. A trap-door α is provided in the floor of the car, through which access is had to said receptacle for taking the pouches therefrom. A receptacle A², hung upon an upright α' , is also mounted beneath the floor of the car, said upright extending up through the floor and being hinged on a pivot or shaft α^2 , which extends up

as to protect said pouches from wind and stormy weather, thus materially preserving them.

It will be understood that, if preferred, the device on the post may be arranged to throw directly into the car-door; but I prefer the receptacle A', as shown, for the reason that the car-door can then be kept closed, as before stated. It will also be understood that in use the car will preferably be equipped with the apparatus on both its sides to accommodate stations located on either side of the track.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a mail-pouch-delivering apparatus, the combination, with the postal-car, of a receptacle, an upright within said car structure pivoted on suitable bearings and having said receptacle rigidly secured to its lower end, and a horizontal arm projecting out through the side of said car from the upper end of said upright and adapted to strike an operating device alongside the track, substantially as set forth.

2. In a mail-pouch deliverer, the combination of a receptacle, an upright for supporting said receptacle, which upright is pivoted to the car, a horizontal arm connected to said upright by a hinge, means, substantially as described, for holding said hinged part rigidly

therewith when desired, and a cam supported alongside said track in position to strike and operate said arm, substantially as set forth.

3. The combination, with a postal car, of a device for discharging pouches therefrom, consisting of a receptacle located beneath the floor of the car, an upright for supporting same, said upright being pivoted to the car, said car-floor having an opening into said receptacle, and a horizontal arm projecting from said upright and adapted to strike an operating device alongside the track, substantially as set forth.

4. In a mail-pouch-delivering apparatus, the combination, with the postal car, of the receptacle having an upright at one of its front corners for supporting the same, which upright is pivoted to the car, a horizontal arm projecting out from said upright in position to strike an operating device alongside the track, and a spring arranged to normally hold said upright in a vertical position, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 25th day of July, A. D. 1891.

ABRAHAM KIMBER. [L. S.]

Witnesses:

E. W. BRADFORD,
J. A. WALSH.