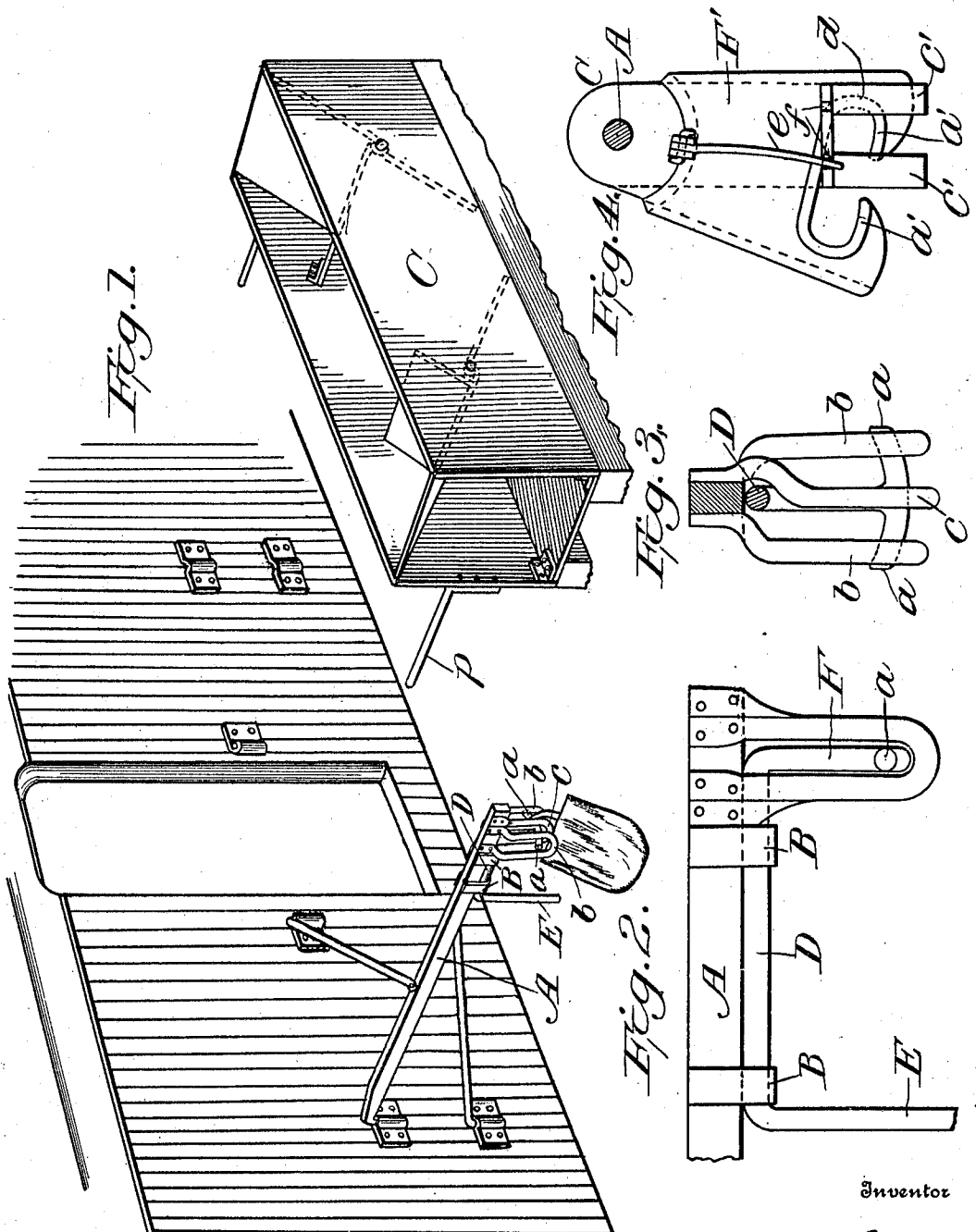


C. U. GREELEY.  
 AUTOMATIC MAIL DELIVERING APPARATUS.  
 APPLICATION FILED AUG. 21, 1908.

945,273.

Patented Jan. 4, 1910.



Witnesses

Mary W. Hammer  
 Albert Popluma

334

Inventor

Charles U. Greeley  
 Shurtivant Mason  
 Attorneys

# UNITED STATES PATENT OFFICE

CHARLES ULMER GREELEY, OF BANGOR, MAINE.

AUTOMATIC MAIL-DELIVERING APPARATUS.

945,273.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed August 21, 1908. Serial No. 449,610.

To all whom it may concern:

Be it known that I, CHARLES U. GREELEY, a citizen of the United States, residing at Bangor, in the county of Penobscot, State of Maine, have invented certain new and useful Improvements in Automatic Mail-Delivering Apparatus, of which the following is a description, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to an improvement in apparatus for delivering mail packages from moving trains. In my patent granted June 30th, 1908, No. 892,250, I have shown, described and claimed such an apparatus, together with a special form of receptacle to be arranged on the station platform.

The present invention relates solely to the mail bag supporting and delivering or releasing device, the object being to provide a simple and effective construction to support the bag, and be released automatically at the proper time, independent of the exercise of any skill or judgment on the part of the operator.

My invention may be said broadly to consist of a pivoted bolt mechanism for holding the bag, which bolt mechanism is automatically tripped by coming in contact with a stationary projection at the station, thus forcing the bolt from engagement with the bag, and allowing it to be dropped off and propelled by the acquired inertia into the receptacle at the station.

It also consists in making the bolt duplex, so that it may be operated in either direction in which the car may be moving.

Finally, it consists in the matters herein-after described and referred to in the appended claims.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a car, showing my apparatus applied thereto in position for delivering mail packages, the receptacle being also shown in perspective; Fig. 2 is a detail side elevation of the mail bag holding bolt and operating lever; Fig. 3 is an end view; and Fig. 4 is a view similar to Fig. 3, of a modification.

In these drawings, A is the supporting framework or member, and C is the receptacle. These are substantially of the construc-

tion set forth in my patent aforesaid, and need not be herein more specifically referred to.

Depending from the main bar or arm C are hangers B, B, arranged in pairs, to which is pivoted a lever D having a downwardly depending handle E, extending into the path of a fixed projection *p* attached to the receptacle. The other end of said lever D is formed with a depending arm F with oppositely extending arms *a*, *a*, forming a duplex pivoted bolt on either of which a mail bag may be hung. Guards or keepers *b* for the ends of the arms are provided, and a central stirrup guard *c*, adapted in the swinging of the bolt to force off the mail bag.

In Fig. 4, is shown a modification in which the duplex bolt consists of the frame F', pivotally supported from the main bar or arm C, and has the two bag supporting hooks *a'*, *a'*, a hanger *d* having the two guards *c'*, *c'*, coacting respectively with the hooks *a'*, *a'*, to force the bag therefrom.

This frame F' being freely pivoted, means must be provided to hold it in position outside the vertical, and I have, therefore, provided a spring *e* fastened at one end thereto, and at the other end adapted to engage one or the other of two notches *f* in a rib on the hanger *d*. As shown in said Fig. 4, the right hand hook *a'* is in position for holding a bag, and the frame F' is held out of normal by the spring in the left hand notch *f*. The left hand side of the frame F is struck by the projection *p*, and is swung to release the bag. A stop may be provided on the main bar or arm C, to limit the upward swing of frame F' on its pivot when struck by the projection.

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

1. In a mail bag delivering apparatus, a supporting member, a vertically swinging mail bag support pivoted thereto having oppositely extending supporting arms, and means for operating the same in either direction in which the car may be moving.

2. In a mail bag delivering apparatus, a supporting member, a vertically swinging mail bag support pivoted thereto having oppositely extending supporting arms, and

means for operating the same in either direction in which the car may be moving, guards or keepers for the arms, and a central stirrup to force off the mail bag.

- 5 3. In a mail bag delivering apparatus, a supporting member, a depending frame pivotally supported therefrom and having oppositely arranged supports for the bag, said pivotally supported frame adapted to be

struck by a fixed projection in its path and 10 swung to release the bag.

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

CHARLES ULMER GREELEY.

Witnesses:

F. E. HUTCHINSON,  
C. D. CROSBY.