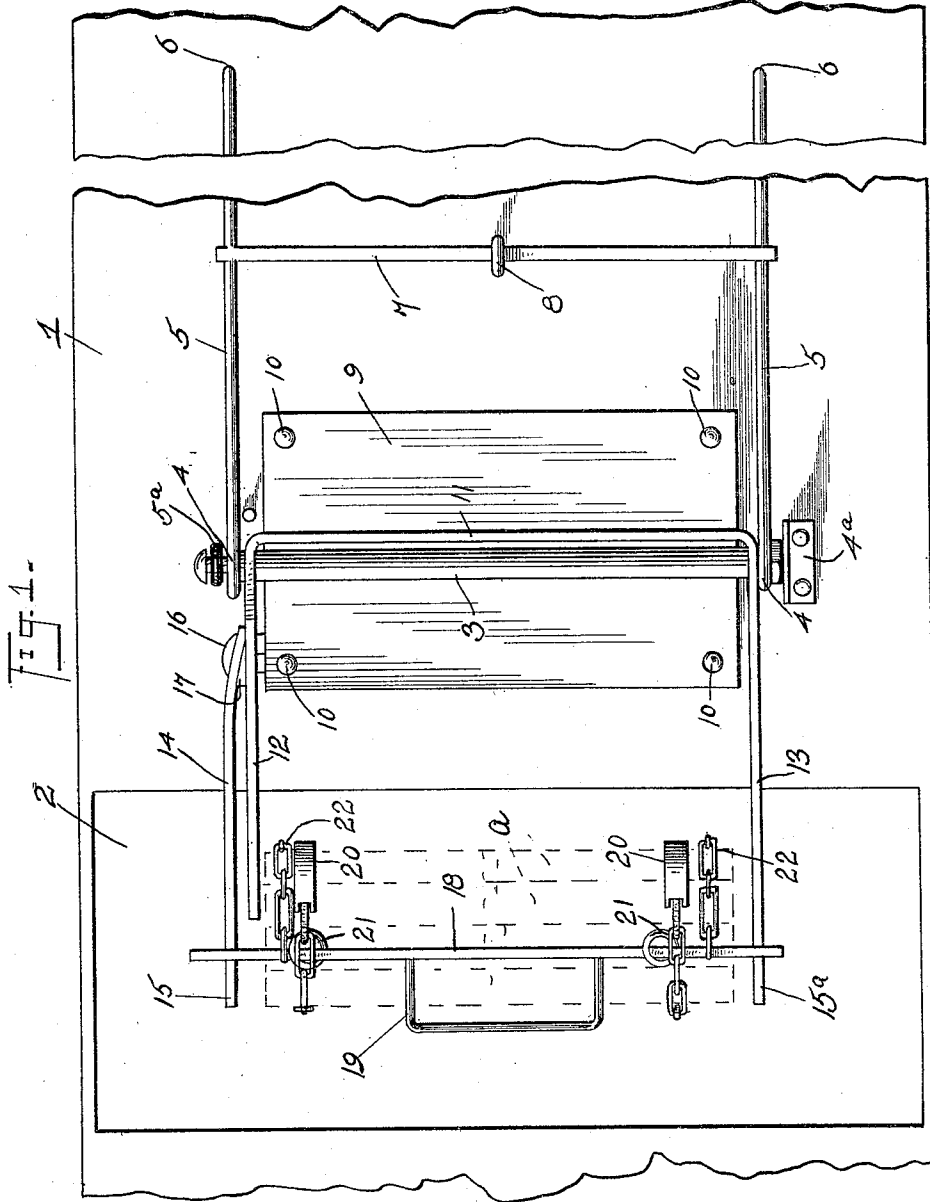


W. C. COCHRAN.
MAIL BAG DELIVERER.
APPLICATION FILED APR. 9, 1914.

1,138,455.

Patented May 4, 1915.
2 SHEETS—SHEET 1.



Inventor
William C. Cochran.

Witnesses
W. F. Vechneyer.

[Signature]

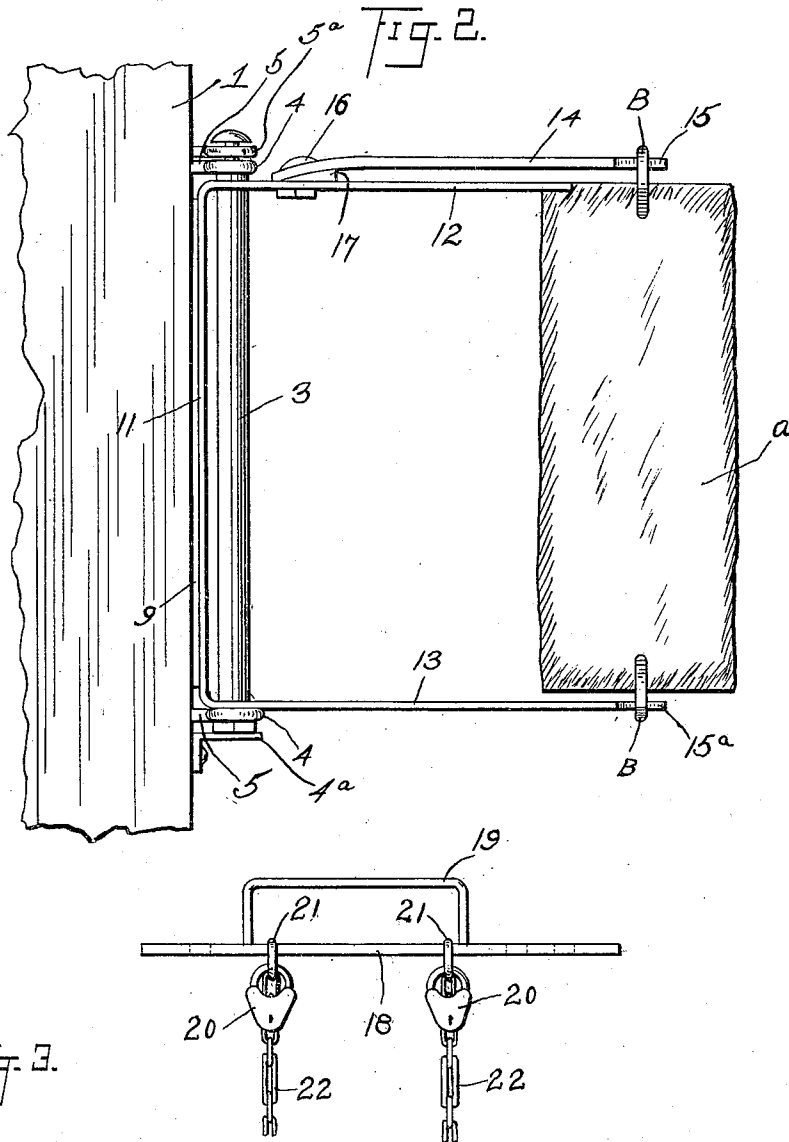
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UNITED STATES PATENT OFFICE.

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MAIL-BAG DELIVERER.

1,138,455.

Specification of Letters Patent.

Patented May 4, 1915.

Application filed April 9, 1914. Serial No. 830,757.

To all whom it may concern:

Be it known that I, WILLIAM C. COCHRAN, a citizen of the United States, residing at Ninevah, in the county of Johnson and State of Indiana, have invented certain new and useful Improvements in Mail-Bag Deliverers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable other skilled in the art to which it appertains to make and use the same.

This invention relates to mail bag deliverers, and one of the principal objects of the invention is to provide reliable and efficient means of comparatively simple construction to be connected to a mail car for delivering mail bags at various stations provided with the ordinary crane or catcher.

Another object of the invention is to provide a mail bag delivering device comprising a pair of arms, one of which is resilient for holding a bag at its opposite ends in a vertical position to be caught by the ordinary crane at the station to deliver the mail bag, said supporting arms for the bag being pivoted and adapted to be swung up against the side of the car or out in position to deliver a bag.

Still another object of the invention is to provide a pivoted mail delivering device and means for holding said delivering device up in position against the car to prevent the device from being thrown off accidentally when not required for use.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which,

Figure 1 is a front elevation of a mail bag delivering device made in accordance with this invention and connected to the side of a mail car near the car door and locked in position when not required for use, Fig. 2 is a side elevation of the mail bag deliverer in position for use and showing a mail bag connected to the outwardly projecting arms of the deliverer, and Fig. 3 is a detail view showing the device for holding the arms against the side of the car when not required for use.

Referring to the drawings, the numeral 1 designates the side of a mail car and 2 is the door opening therein.

The numeral 3 designates a rod mounted near its ends upon eyes 4 formed upon spring rods 5 which are connected at their

ends 6 to the side of the car. The upper end of the rod 3 extends through an eye bolt 5^a screwed into the side of the car, said bolt having a slotted eye to permit movement of the rod in and out. The rod 3 is supported upon a shelf or bracket 4^a, secured to the side of the car.

A fulcrum rod 7 is secured to the side of the car and the ends of the fulcrum rod 7 extend over the spring rods 5 to limit the action of the members 5.

A wear plate 9 is connected by screws 10 to the side of the car and pivotally mounted upon the shaft 3 is the base member 11 of the deliverer, said base member being flat and provided with angular outwardly projecting arms 12 and 13. Connected to the arm 12 is a spring 14, having a finger 15 at its outer end. The spring 14 is connected to the arm 12 by a rivet 16 and a washer 17 is interposed between the spring 14 and the arm 12. The arm 13 is provided with a terminal finger 15^a at its end.

When the delivery arms are thrown out of position shown in Fig. 2, a mail bag *a*, provided with rings or loops B may be supported upon the spring 14 at one end and upon the finger 15^a of the arm 13 as shown in Fig. 2 in position to be caught by the ordinary crane at the station to deliver the bag *a*. The flat base portion 11 will hold the arm firmly in position to support the bag *a*. When the deliverer is not required for use, the arms 12 and 13 are swung inward toward the car and the springs 5 will exert sufficient stress to hold the edge of the base 11 against the wear plate 9 with the arms 12 and 13 lying flat against the side of the car. For delivering a plurality of mail bags, at the same time, a locking device is provided which comprises a bar 18 having a loop 19 connected thereto, said bar being provided with apertures near its ends for engagement with the fingers 15 and 15^a. Padlocks 20 are connected by means of rings or loops 21 to the bar 18, and connected to the plate 18 near the rings 21 are chains 22. These chains are to be used when a number of mail bags are to be delivered at one station, said chains being passed around the bags and connected by the locks 20. When the bar 18 is connected to the fingers 15 and 15^a the loop 19 is disposed in position to be caught by the crane at the station to withdraw the bar 18 and

the connected mail bags. When a single bag is to be delivered, it may be suspended from the fingers, as shown in Fig. 2 of the drawing.

5 From the foregoing it will be obvious that a mail bag deliverer made in accordance with this invention is comparatively simple in construction, and will hold a mail bag in position to be readily removed by the ordi-
 10 nary crane at a station.

Various changes may be made in the details of construction without departing from the spirit and scope of the invention as defined in the claims.

15 What is claimed is:—

1. A mail bag deliverer comprising a base member, a shaft upon which said base member is pivoted, said base member having outwardly extending arms and being flat
 20 upon its outer and inner sides, a wear plate connected to the side of a car under said base member, springs connected to the car and to said shaft for holding the arms in the operative and inoperative position, said
 25 base plate having side edges which are held

by the springs against the base plate when thrown against the car and said base plate being held with a flat surface against the wear plate when the arms are thrown outward in position for supporting a mail bag. 30

2. A mail bag deliverer comprising a frame having outwardly projecting arms, said arms being connected by a base member, a car, a wear plate connected to the side of said car, said base member being flat on its under
 35 side and having angular edges, a rod connected to said arm, springs for bearing on said rod for normally holding said base against said wear plate whereby said arms are held in two positions against the ten-
 40 sion of said springs, and means for holding a mail bag suspended in position to be delivered.

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

WILLIAM CALVIN COCHRAN.

Witnesses:

CLARENCE BIRD,
 WILLIAM HAGUE.

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