

Sept. 4, 1928.

1,683,547

W. R. HOLE

MAIL CAR DEVICE

Filed Oct. 26, 1927

Fig. 1.

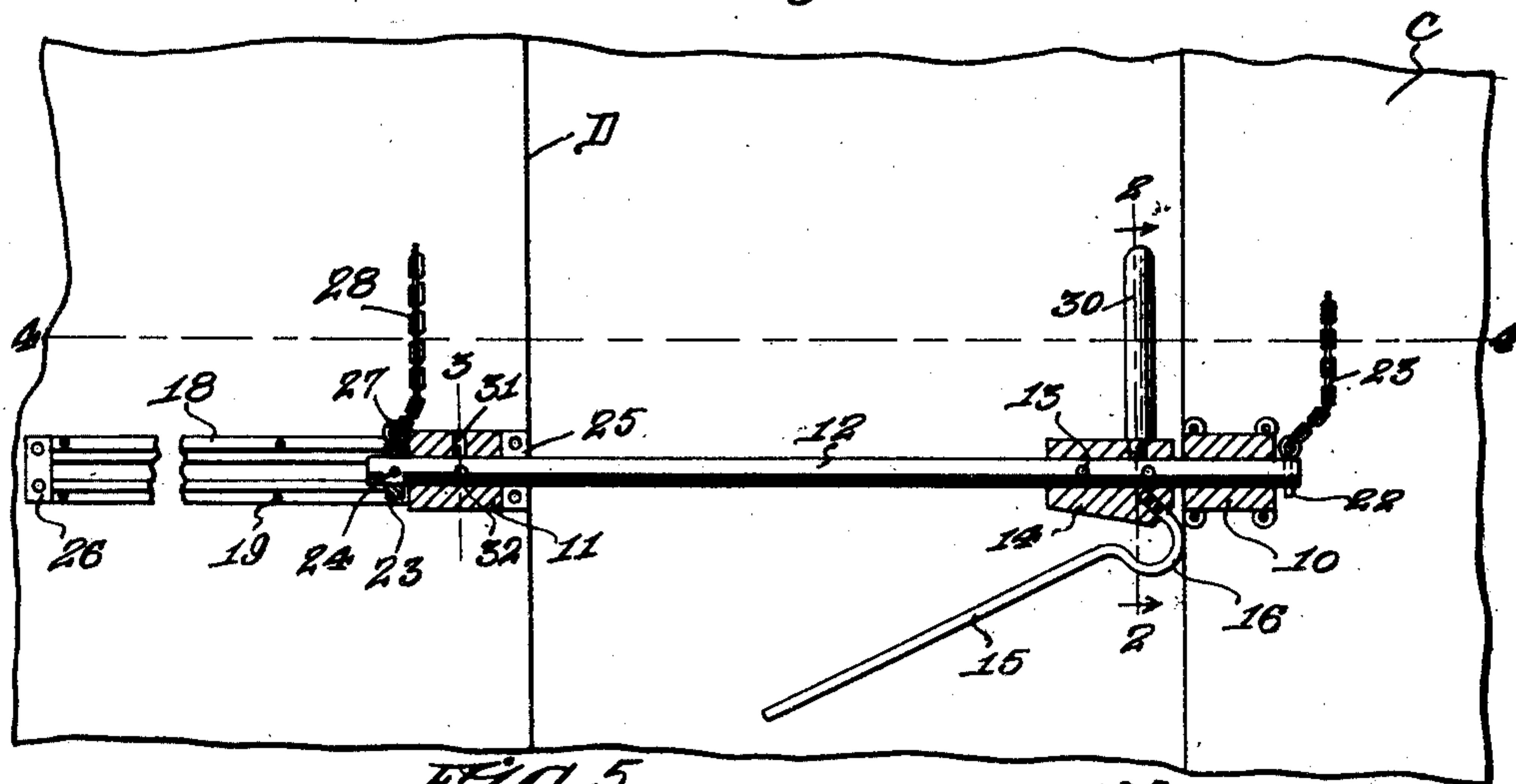


Fig. 5.

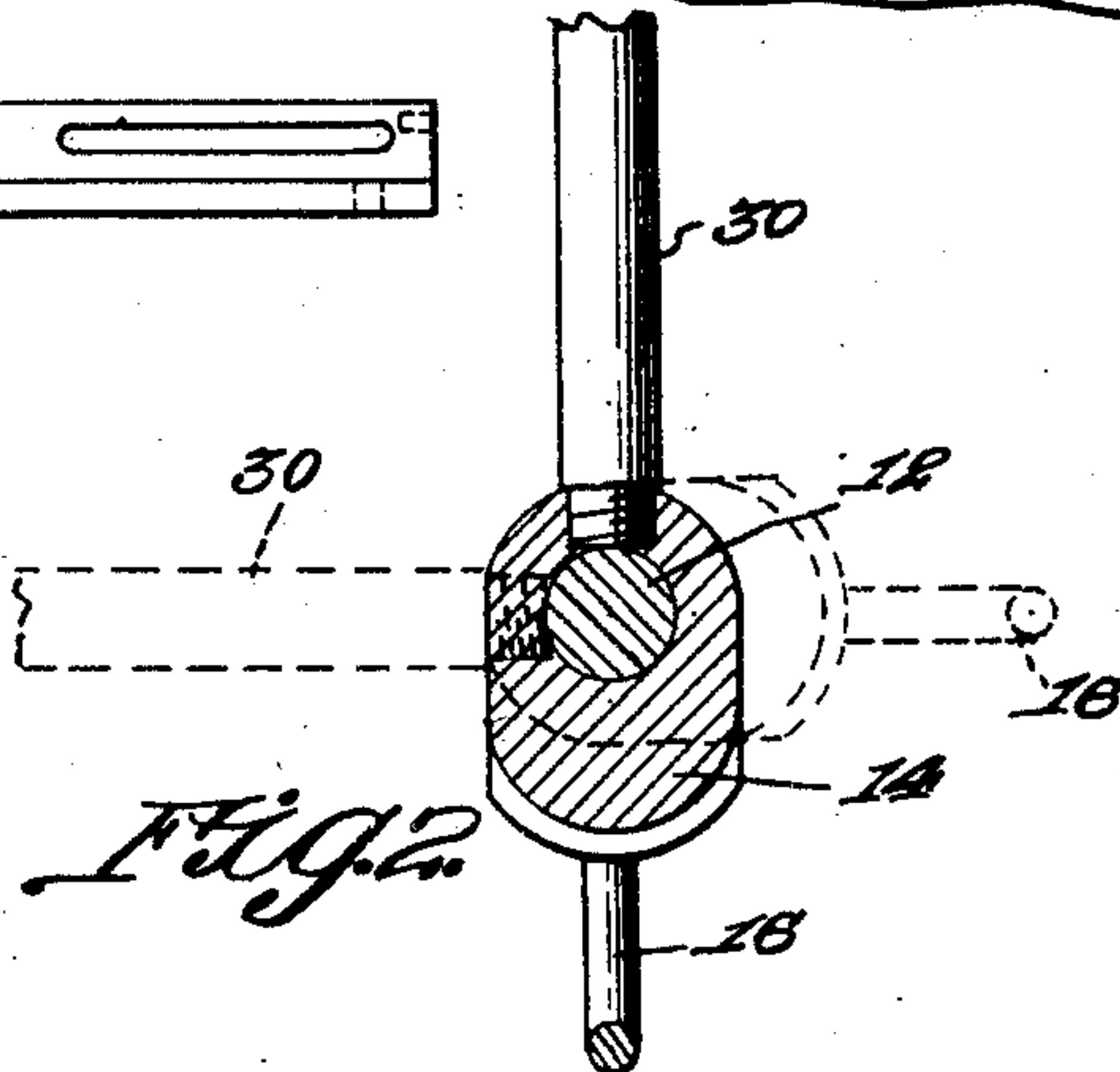
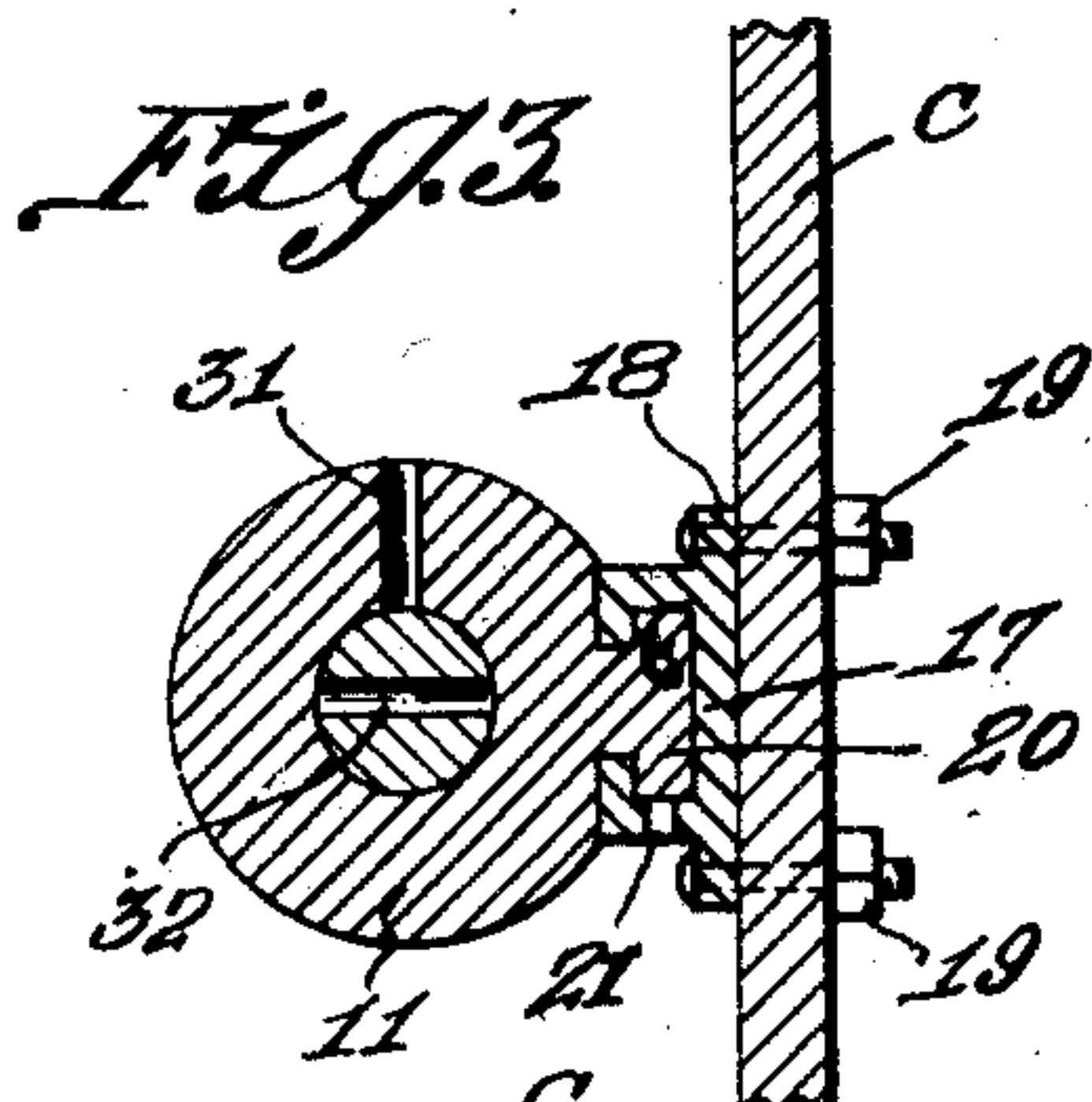
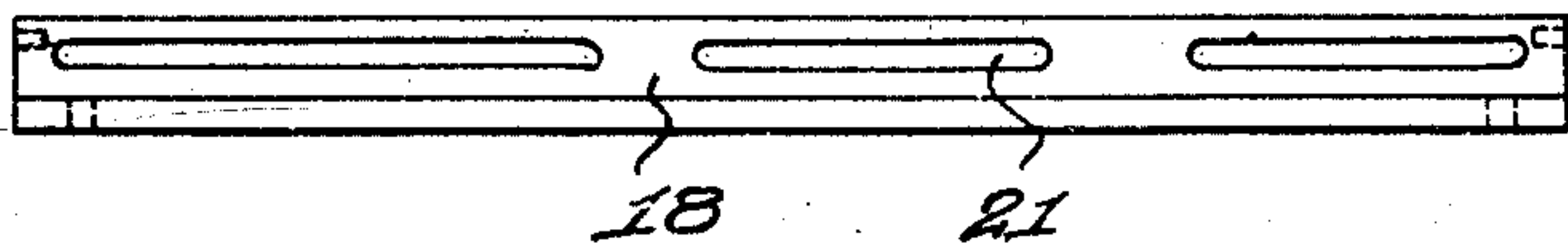
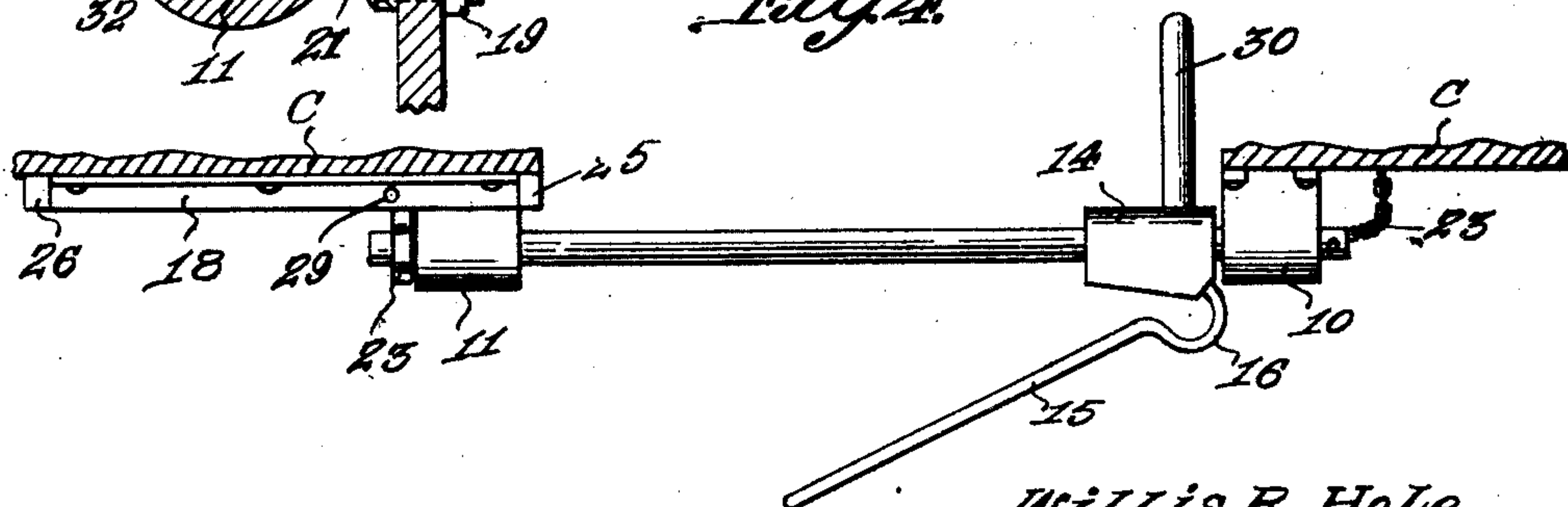


Fig. 4.



W. R. Hole

WITNESS:

Willis R. Hole,
INVENTOR

BY *Victor J. Evans*

ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIS R. HOLE, OF SALEM, OHIO.

MAIL-CAR DEVICE.

Application filed October 26, 1927. Serial No. 228,889.

This invention relates to improvements in mail bag catching devices for railway cars and has for an object the provision of a device which may be attached to a car and moved out of the way to one side of the car door when loading or unloading the car, or may be maintained in position for use.

Another object of the invention is the provision of a mail bag catching device which is simple in construction, efficient in use and which may be quickly and easily moved to an active or an inactive position.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a fragmentary elevation showing a portion of a railway mail car with the invention applied, parts being shown in section.

Figure 2 is an enlarged fragmentary section on the line 2—2 of Figure 1.

Figure 3 is a similar view on the line 3—3 of Figure 1.

Figure 4 is a section taken horizontally through a portion of the car and showing the invention in plan view and in position for use, the section being taken substantially on the line 4—4 of Figure 1.

Figure 5 is a bottom edge view of the channeled guide member.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference character C indicates a portion of a railway mail car, the door opening of which is indicated at D.

Rigidly mounted at one side of the opening D is a bearing 10, while adjustably mounted at the opposite side of the opening is a bearing 11. These bearings are designed to support a rod 12 horizontally across the door opening. Secured to the rod 12 through the medium of pins 13 or other securing means is a casting 14 and extending from this casting at an acute angle from the rod 12 is a receiving arm 15 which is designed to receive the mail bag. The inner end of this arm is provided with an open loop 16 so as to prevent the bag from sliding outward due to rebound action.

The bearing 11 is mounted for horizontal sliding movement in a channel 17 which is

provided in an elongated member 18, the latter being secured to the car preferably by means of bolts 19. The bearing 11 is provided with a T-shaped extension 20 which is slidably received in the channel 17. The guide member 18 is provided with slots or openings 21 in the bottom of the channel to provide drain openings.

Normally, the parts may be arranged as shown in Figure 1 of the drawings, one end of the rod 12 removably receiving a pin 22 which is carried by a chain 23 attached to the side of the car, so as to prevent sliding movement of the rod through the bearing 10 in one direction. A collar 23 is attached to the opposite end of the rod by means of a pin 24 so that sliding movement of the rod in an opposite direction is prevented. In order to hold the bearing 11 in the position shown in Figures 1 and 4, a stop plate 25 is secured at the end of the channel member 17 so as to close the end of the channel, a similar stop plate 26 being secured to the opposite end. A pin 27 which is attached to the side of the car by means of a chain 28 is removably received within an opening 29 provided in the guide member 18 and when in place acts to hold the guide member against the stop plate 25.

When it is desired to bring the receiving arm 15 into position for use, the rod 12 is rotated by means of a handle 30 which extends from the casting 14, so that the arm 15 is horizontally arranged. The arm is held in this position by inserting the pin 27 in openings 31 and 32 provided respectively in the bearing 11 and rod 12, so that the said rod will be held against pivotal movement.

When it is desired to remove the rod from across the doorway D, the pins 22 and 27 are removed and the rod is slid horizontally to the left, the bearing 11 also being moved in that direction.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having described the invention what is claimed is:—

1. A mail bag catching device comprising a horizontally disposed rod, a bearing, means to mount the bearing for horizontal sliding movement at one side of a car door,

to slidingly and rotatably receive the rod, means to hold the bearing against movement, means adapted to be positioned at the opposite side of the door to removably and rotatably support the rod, means to hold the rod against movement and a receiving arm extending at an incline from and supported by the rod.

2. The combination with a mail car, of a horizontally disposed rod, a stationary bearing secured to the car at one side of the car door to removably receive one end of the rod, a bearing located upon the opposite side of the car to slidingly and rotatably support the rod, means to slidingly mount the last mentioned bearing, means to hold the bear-

ing against movement and means to prevent longitudinal or rotary movement of the rod.

3. The combination with a mail car, of a horizontally disposed rod, a stationary bearing secured to the car at one side of the car door to removably receive one end of the rod, an elongated channeled guide member secured to the car at the opposite side of the door, a bearing slidingly mounted in the channeled member and slidingly and rotatably supporting the rod, means to hold the bearing against movement and means to prevent longitudinal or rotary movement of the rod.

In testimony whereof I affix my signature.
WILLIS R. HOLE.