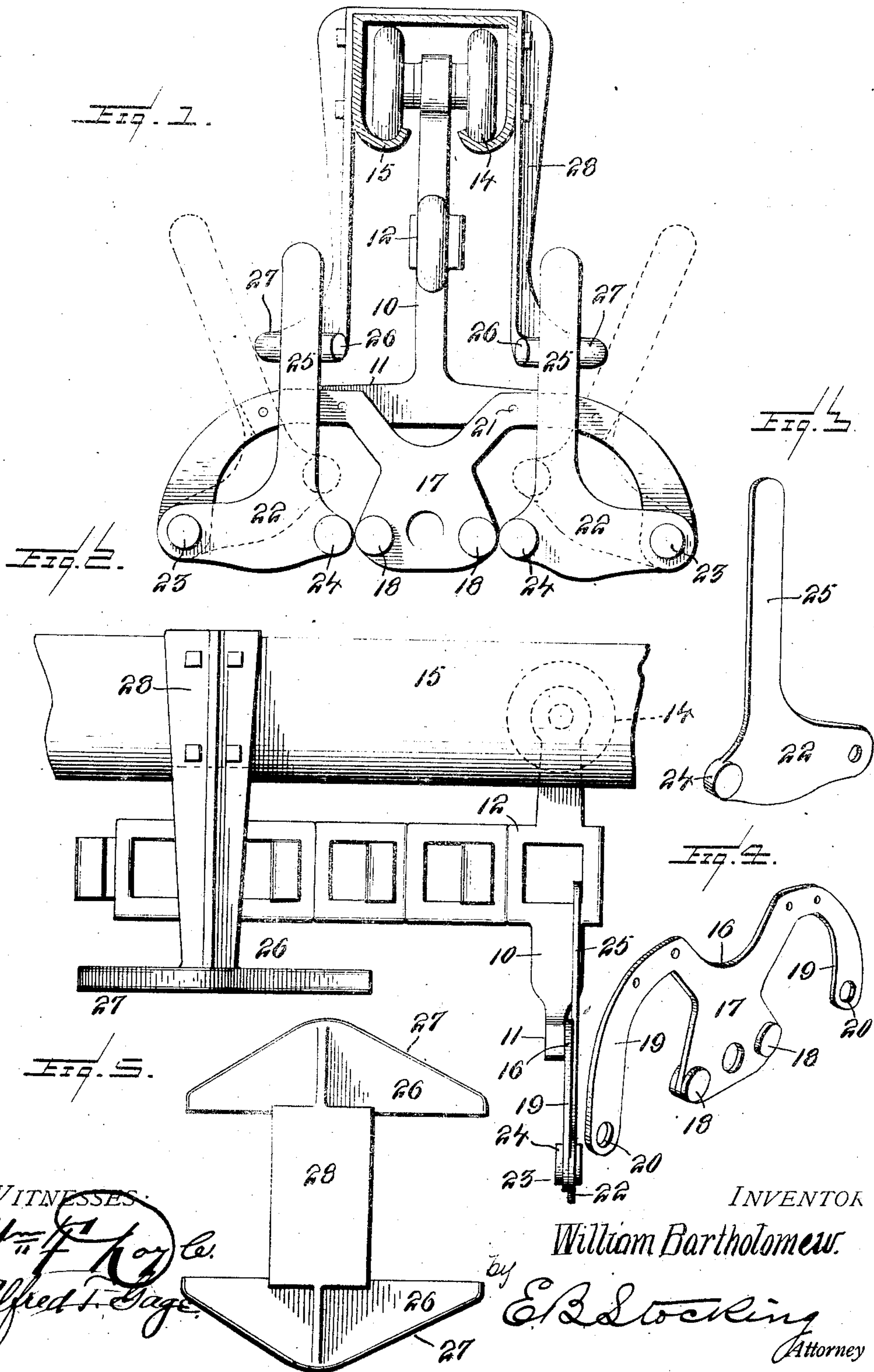


W. BARTHOLOMEW.  
HANGER FOR DRY ROOMS.  
APPLICATION FILED JAN. 11, 1909.

924,723.

Patented June 15, 1909.



WITNESSES:

*Wm. F. Roy & Co.*  
*Alfred T. Page*

INVENTOR

*William Bartholomew*

*E. B. Stocking*  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM BARTHOLOMEW, OF CHICAGO, ILLINOIS.

## HANGER FOR DRY-ROOMS.

No. 924,723.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed January 11, 1909. Serial No. 471,670.

*To all whom it may concern:*

Be it known that I, WILLIAM BARTHOLOMEW, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Hangers for Dry-Rooms, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a hanger for dry room conveyers and particularly to a structure adapted to form part of an endless conveyor from which the goods may be automatically released at any desired point in its travel.

The invention has for an object to provide a novel and improved construction of gripping device comprising a yoke having a central plate provided with a gripping face and a pivoting arm spaced therefrom and provided with a lever pivoted thereon with a gripping face to cooperate with the face upon the plate and a releasing plate extending upward from the face of said lever.

Other and further objects and advantages of the invention will be hereinafter fully set forth and the novel features thereof defined by the appended claims.

In the drawing:—Figure 1 is a front elevation of the hanger with the carrier track in section; Fig. 2 is a side elevation thereof; Fig. 3 is a detail perspective of the gripping lever; Fig. 4 is a similar view of the yoke, and Fig. 5 is a plan of the releasing plates.

Like numerals refer to like parts in the several views of the drawing.

The numeral 10 designates the shank of the hanger which may be of any desired construction or configuration and is provided at its lower end with the usual cross bar 11 and intermediate of its ends with the link member 12 adapted to cooperate with the links of the carrier, as shown in Fig. 2. The upper end of the shank is provided with the carrier wheels 14 of any desired construction adapted to travel upon the tracks or ways 15. The cross bar of the hanger is provided with a double yoke 16 having the central depending plate 17 formed with the laterally extending gripping faces 18 at opposite sides of the lower portion thereof. Spaced from this plate are the curved depending arms 19 each of which is formed with a pivoting aperture 20 at its lower end. This yoke may be secured to the cross bar in any desired manner, for instance, by rivets or other

attaching devices, as shown at 21. Each of the arms 19 is provided with a gripping lever 22 mounted thereon by means of the pivot 23. The body of this lever is enlarged to form a counterbalancing weight to insure the return by gravity to the gripping position when the lever is raised. The end of the lever opposite its pivot is formed with the laterally extending gripping face 24 adapted to cooperate with the face 18 upon the central plate, and with the arm 19 to limit the upward travel thereof. For the purpose of raising this lever to release the goods gripped thereby a releasing arm 25 is provided which extends upward above the cross bar 11 of the hanger and parallel to the shank thereof. This arm extends upward from the gripping face in substantially a straight line so as to secure the maximum leverage for releasing the lever, the gripping face of which travels in an arc intersecting the fixed gripping face upon the plate. For the purpose of operating these arms a releasing plate 26 is disposed between the shank and arm. This plate has oppositely inclined faces 27 which by engagement with the inner side of the arms move the same from the full line position shown in Fig. 1 to that indicated by dotted lines therein when the goods are fully released. These plates may be supported in any desired manner, for instance, by means of the hanger 28 mounted upon the track or way.

In the operation of the invention the goods may be introduced into the grippers by pressing upward upon the body of the lever, and as soon as such pressure is relieved the lever automatically returns to its gripping position and retains the goods upon the hanger. The positive return of the lever to the gripping position is secured by the enlarged body thereof and the releasing arm which is never in its open position thrown beyond the pivotal point of the arm as such movement is prevented by engagement of the gripping face upon the lever with the arm 19 of the yoke. This form of yoke provides two gripping faces disposed closely adjacent to each other and obviates the necessity of any parts extending beyond the ends of the yoke, while the arrangement of the releasing plates intermediate the shank of the hanger and the arms materially reduces the width necessary at that point and also prevents contact with other portions of the carrier or goods mounted thereon. The invention therefore pre-



sents a simple, efficient and economically constructed form of dry room hanger comprising a double gripping device which is positive in its holding action and may be automatically opened to release the goods.

The features of novelty herein shown and described which are also present in my co-pending application Serial No. 471,669 filed January 11, 1909, have been generically claimed therein.

Having described my invention and set forth its merits, what I claim and desire to secure by Letters Patent is:—

1. In a dry room hanger, a yoke comprising a central plate provided with a gripping face and a spaced pivoting arm opposite said face, and a cooperating gripping lever pivoted upon said arm to swing upwardly from said face and having a releasing arm disposed to effect an automatic discharge of goods from said face by gravity.

2. In a dry room hanger, a yoke comprising a central plate provided with a gripping face and a spaced pivoting arm opposite said face, a cooperating gripping lever pivoted upon said arm and having an upwardly extending releasing arm, and an inclined releasing plate mounted to engage the inner side of said releasing arm.

3. In a dry room hanger, a double yoke having a central plate provided at opposite sides with a gripping face and spaced pivoting arms opposite each of said faces, and cooperating gripping levers pivotally mounted upon said arms.

4. In a dry room hanger, a double yoke having a central plate provided at opposite sides with a gripping face and spaced pivoting arms opposite each of said faces, and cooperating levers pivoted upon said arms and having laterally extended gripping faces to cooperate with those of said plate.

5. In a dry room hanger, a double yoke having a central plate provided at opposite sides with a gripping face and spaced pivot-

ing arms opposite each of said faces, and cooperating levers pivoted upon said arms and having laterally extended gripping faces to cooperate with those of said plate and a releasing arm extended vertically from the gripping face of the lever and intermediate said face and the pivot thereof.

6. In a dry room hanger, a double yoke having a central plate provided at opposite sides with a gripping face and spaced pivoting arms opposite each of said faces, cooperating levers pivoted upon said arms and having laterally extended gripping faces to cooperate with those of said plate and a releasing arm extended vertically from the gripping face of the lever and intermediate said face and the pivot thereof, and releasing plates having inclined faces to engage the side of said releasing arms next said hanger.

7. A dry room hanger comprising a shank having a cross bar at its lower end, a double yoke carried by said cross bar and having a central plate with opposite gripping faces and spaced pivoting arms, and cooperating gripping levers pivoted upon said arms and having vertically extended releasing arms parallel to the shank of said hanger.

8. A dry room hanger comprising a shank having a cross bar at its lower end, a double yoke carried by said cross bar and having a central plate with opposite gripping faces and spaced pivoting arms, cooperating gripping levers pivoted upon said arms and having vertically extended releasing arms parallel to the shank of the hanger, and a depending support provided with releasing plates having oppositely inclined faces disposed intermediate of said hanger and said releasing arms.

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

WILLIAM BARTHOLOMEW.

Witnesses:

J. A. VOGELSANG,  
WM. KROGMAN.