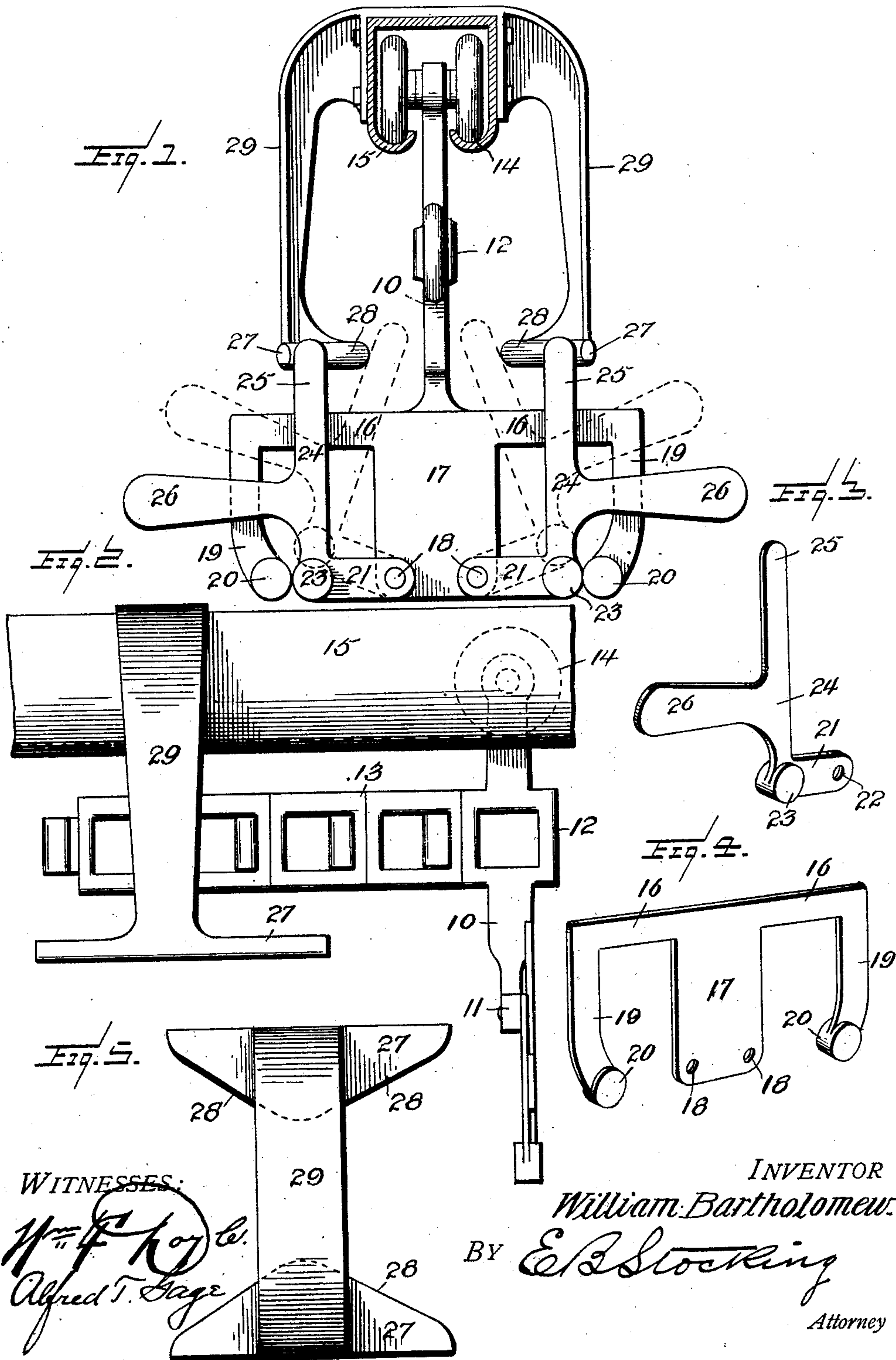


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 DRY ROOM HANGER.
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WITNESSES:

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DRY-ROOM HANGER.

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To all whom it may concern:

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

This invention relates to a dry room hanger, and particularly to a structure adapted to form part of an endless carrier 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 yoke having a goods supporting face in connection with an angular gripping lever pivoted upon the yoke and having a cooperating gripping face and a releasing arm extended 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 drawings:—Figure 1 is a front elevation of the invention with the carrier track in section; Fig. 2 is a side elevation thereof; Fig. 3 is a perspective view of the gripping lever; Fig. 4 is a detail perspective 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 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 on the track or ways 15. The cross bar 11 is provided with one or more yokes 16. In the form here shown these yokes are provided with a central depending plate 17 which may be formed with pivoting apertures 18 and spaced from this plate are the depending arms 19 having inwardly curved free ends formed with laterally extending gripping faces 20, these faces being at the outer ends of the bar 11. Cooperating with these faces is the angular gripping lever 21 which is pivoted at 22 in one of the

apertures 18 and formed with a laterally extending gripping face 23 at its outer end. The angular portion 24 of this lever extends upward and forms a releasing arm, the upper end 25 of which projects above the cross bar and substantially parallel to the shank 10 of the hanger to be engaged by any suitable operating device. Extending laterally from the releasing arm 24 and at an angle thereto is the counterweight arm 26 which also forms a guide as it travels in sliding contact with the depending arm 19 of the yoke. The extended gripping face 23 of this lever also acts as a stop to limit any upward swing of the lever by engaging the edge of the plate 17.

A desirable form of fixed means for operating either one or both of the gripping levers for releasing the goods comprises releasing plates or bars 27 having oppositely inclined faces 28. These plates may be supported in any desired manner, for instance, by means of the hanger 29 extending from the track or way 15. The inclined face 28 of the releasing plates extends inward toward the shank of the hanger thus throwing the gripping lever in that direction in the movement for releasing the goods.

In the operation of the invention it will be seen that the goods may be introduced into the grippers by simply pressing upward upon the lever member or its counterweight arm and this member returns automatically to grip and hold the goods, the weight thereof acting to increase the gripping action, as the arc of travel of the gripping face of the lever intersects the fixed gripping face upon the yoke. The counterweight arm effects an automatic return of the lever to its initial or closed position after it has passed the inclined face of the releasing plate and also guides the movement of the lever in both directions. The laterally extending gripping face upon the lever will act as a stop to prevent the parts being thrown past the center so as to prevent their return by gravity. The disposition of the releasing arm from the gripping lever extended upward above the cross bar and intermediate of the ends thereof permits the location of the releasing plates directly adjacent to the shank of the hanger thus greatly economizing in the width of the structure by avoiding the use of releasing devices beyond the ends of the yokes. This is an important feature as it prevents inter-

ference by parallel lines of the carrier and also any contact with the goods held thereby. Furthermore, by moving the releasing arm toward and from the shank of the hanger the same is steadied and supported in its travel so as to prevent any lateral displacement by the weight of the garment even if the portion held by one gripper be released prior to the other portion. As this releasing plate is disposed adjacent to the point of introduction of fresh goods to be dried into the grippers which have been previously operated by the plate, the action of the plate upon the subsequent gripper arms steadies the entire carrier chain and thereby facilitates the introduction of fresh goods thereto.

The invention presents a simple, efficient and economical form of dry room hanger in which the gripping devices may be automatically opened to release the goods and exert a constant holding tension upon the goods 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 having a gripping face, a pivoted gripping lever having a cooperating gripping face, and a releasing arm extended upward from the said lever to separate said faces for the automatic discharge of goods therefrom.

2. In a dry room hanger, a yoke having a gripping face, a pivoted gripping lever having a cooperating gripping face, a releasing arm extended in alinement with the face of said lever, and a counterweight arm extended at an angle from the releasing arm.

3. In a dry room hanger, a yoke having depending free ends one of which is provided with a laterally extended gripping face, a gripping lever pivoted upon the opposite end and having a cooperating laterally extended gripping face, and a releasing arm extended in alinement with said face.

4. In a dry room hanger, a yoke having depending free ends one of which is provided with a laterally extended gripping face, a gripping lever pivoted upon the opposite end and having a cooperating laterally extended gripping face, a releasing arm extended in alinement with said face, and a counterweight arm upon said lever extended from the releasing arm in contact with the yoke upon which the lever is pivoted.

5. In a dry room hanger, a yoke having a gripping face, a pivoted gripping lever having a cooperating gripping face, a releasing arm extended in alinement with the face of said lever, and a releasing plate having an inclined face adapted to engage one side of said releasing arm.

6. The combination with a track, of a traveling conveyer supported thereon, a shank depending from said conveyer and

provided with a cross piece at its lower end, gripping devices upon said cross piece each comprising a yoke having a gripping face adjacent the end of the cross piece, a gripping lever provided with a cooperating face, and a releasing arm extended in alinement with said face upwardly above the cross piece.

7. The combination with a track, of a traveling conveyer supported thereon, a shank depending from said conveyer and provided with a cross piece at its lower end, gripping devices upon said cross piece each comprising a yoke having a gripping face adjacent the end of the cross piece, a gripping lever provided with a cooperating face, a releasing arm extended in alinement with said face upward above the cross piece, and a hanger provided with means for moving said releasing arm toward said shank.

8. In a dry room hanger, a supporting member having a cross piece extended laterally at the opposite sides thereof, a gripping device comprising yokes secured to said cross piece and provided with gripping faces, and an angular lever pivoted upon each of said yokes and formed with a cooperating gripping face at its angle and a releasing arm extended upward therefrom.

9. In a dry room hanger, a gripping device comprising a U-shaped yoke having a central pivoting plate and spaced gripping arms at opposite sides thereof, and levers pivoted on said plate and having at one side thereof a gripping face to cooperate with that of the yoke and a releasing arm extended from said gripping face.

10. In a dry room hanger, a gripping device comprising a U-shaped yoke having a central pivoting plate and spaced gripping arms at opposite sides thereof, levers pivoted on said plate and having at one side thereof a gripping face to cooperate with that of the yoke and a releasing arm extended from said gripping face, and a counterweight arm extended at an angle from said releasing arms.

11. In a dry room hanger, a yoke having a gripping face, an angular gripping lever pivoted opposite the gripping face of the yoke and having a gripping face at the angle thereof.

12. In a dry room hanger, the combination with the shank and cross bar at the lower end thereof, of a yoke carried by said bar and having a gripping face, and a pivoted lever having a cooperating gripping face and a releasing arm extended upward above said cross bar and substantially parallel to the shank of the hanger.

13. In a dry room hanger, the combination with the shank and cross bar at the lower end thereof, of a yoke carried by said bar and having a gripping face, a pivoted lever having a cooperating gripping face and a releasing arm extended upward above said cross bar and substantially parallel to the shank of

the hanger, and means for automatically moving said arm toward and from said hanger.

5 14. In a dry room hanger, a yoke comprising a central depending plate and depending arms at the opposite ends of the yoke spaced from said plate, a gripping face upon one of said parts, and a cooperating gripping lever pivoted upon the opposite part.

10 15. In a dry room hanger, the combination with the shank and cross bar thereof, of a yoke disposed at opposite sides of said shank

and provided with gripping faces, gripping levers pivoted to said yoke and having releasing arms extending upward at each side 15 of said shank, and a releasing plate having an inclined face disposed to engage a side of said arms.

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

WILLIAM BARTHOLOMEW.

Witnesses:

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WM. KROGMAN.