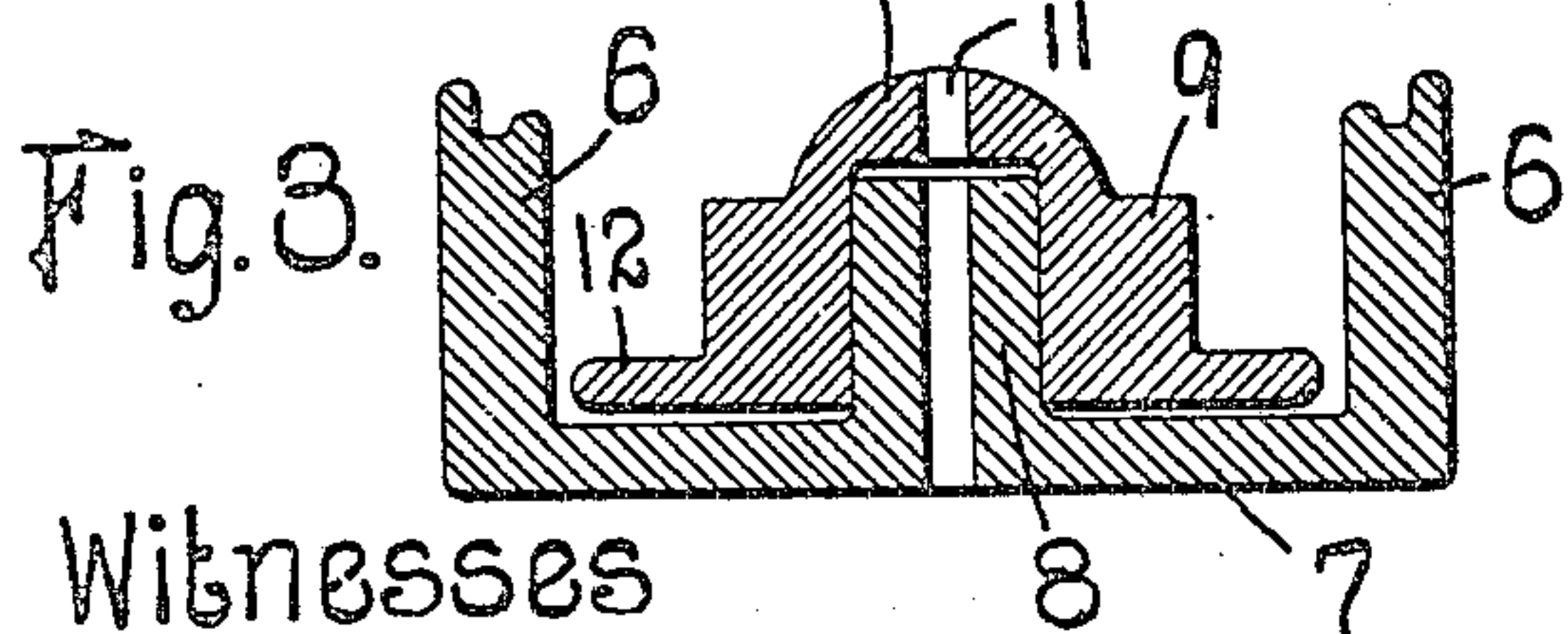
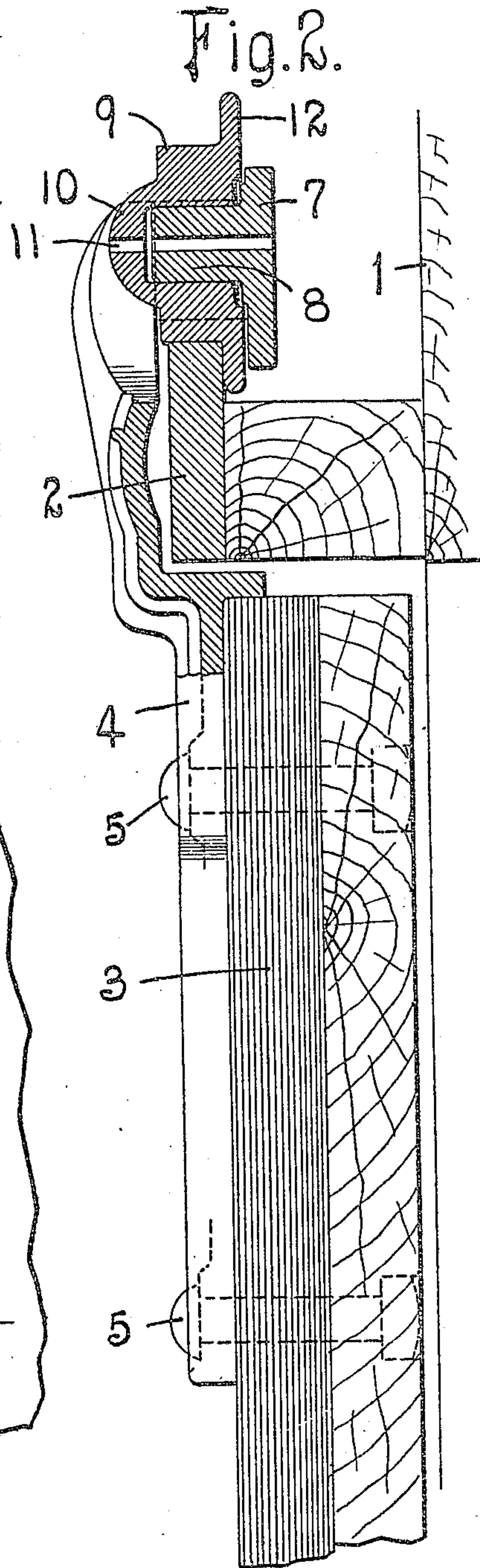
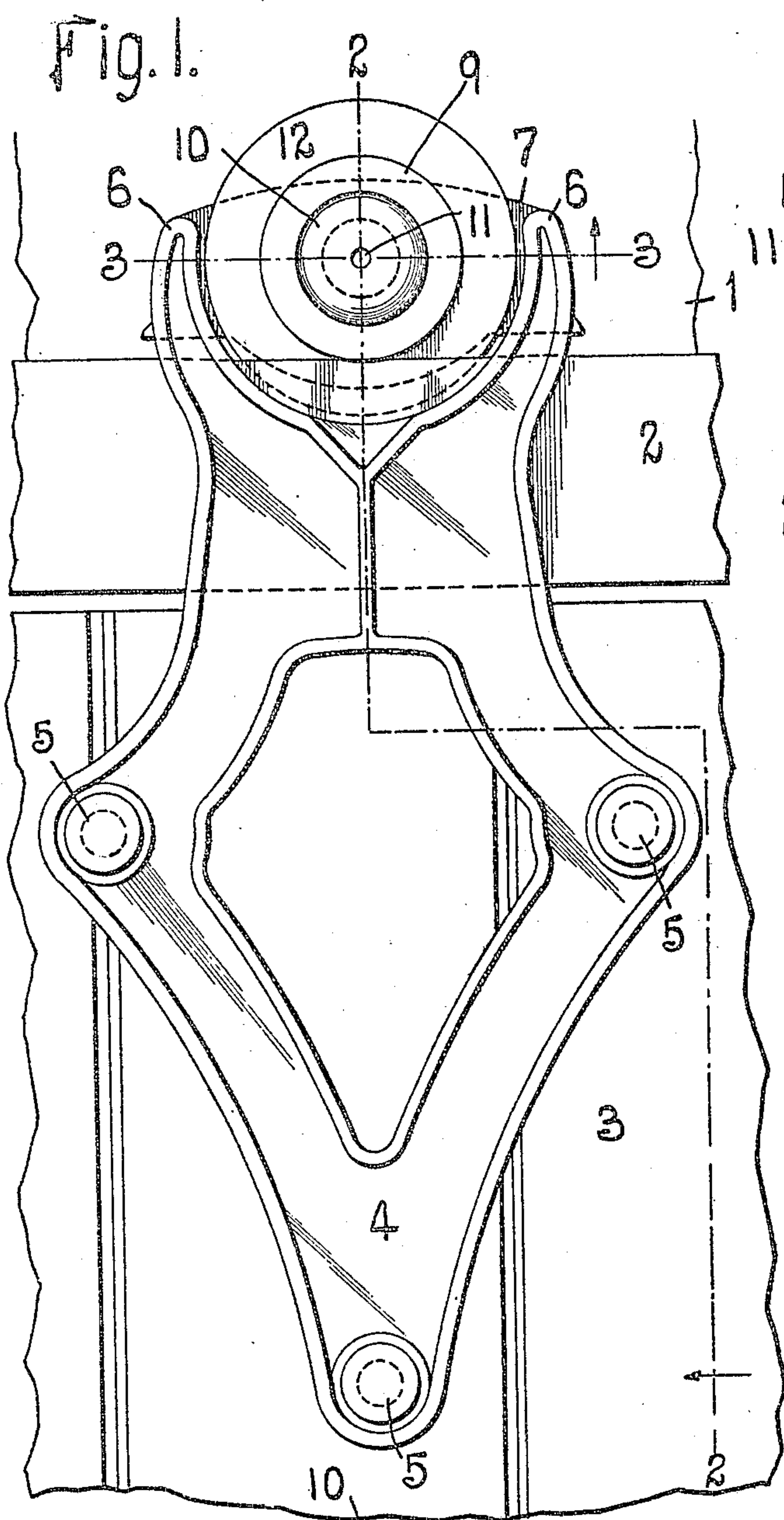


No. 831,674.

PATENTED SEPT. 25, 1906.

R. MOBLEY.
SLIDING DOOR HANGER.
APPLICATION FILED MAR. 5, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

RICHARD MOBLEY, OF ST. LOUIS, MISSOURI.

SLIDING-DOOR HANGER.

No. 831,674.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed March 5, 1906. Serial No. 304,321.

To all whom it may concern:

Be it known that I, RICHARD MOBLEY, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Sliding-Door Hangers, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of a sliding-door hanger embodying the features of my invention. Fig. 2 is a sectional view on the line 2 2 of Fig. 1, and Fig. 3 is a sectional view on the line 3 3 of Fig. 1.

This invention relates to sliding-door hangers; and the object of my invention is to provide a hanger having a roller which is retained in operative position without the aid of rivets or other fastening devices.

I have herein illustrated my invention as being embodied in a hanger for a sliding door on a freight-car; but it will of course be understood that the hanger is not limited to use with doors of this description, nor, in fact, is it limited to use with doors, as it could be utilized for carrying other members. Furthermore, it should be understood that the device embodying the features of my invention could be utilized at the bottom of a sliding member for supporting and guiding the same instead of being used at the top of a sliding member for carrying it, as in the illustration herein shown.

Referring to the drawings, which represent the preferred form of my invention, 1 designates the side of a car, carrying a track 2, and 3 designates the car-door. A metal hanger 4, preferably of the form shown in Fig. 1, is secured to the door by bolts 5, and the upper portion of the hanger is offset, as shown in Fig. 2, so that it will extend beyond the track 2. The extreme upper end of the hanger is approximately U shape, having two arms 6, which are connected together at their rear faces by a yoke 7. (Shown in Fig. 3.) Said yoke is provided at its center with a journal 8, that projects outwardly and which has a flanged roller 9 mounted thereon between the arms 6. Preferably the outer face of the roller is provided with a crown 10, which covers the end of the journal 8, and an

opening 11 may be formed in this crown to provide for oiling the roller and also enable a plurality of rollers to be strung on a wire before they are assembled with their hangers. The roller is applied to the hanger simply by slipping it onto the end of the journal 8, and when in operative position the track 2, which engages the outer face of the flange 12 on the roller, prevents said roller from being displaced from its journal, the yoke 7 engaging the rear face of the roller. The absence of rivets or other fastening devices for securing the roller to its hanger not only reduces the cost of manufacture, but enables a new roller to be placed in position with very little trouble.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In combination, a track, a door, a rigid hanger connected to said door, a horizontally-disposed journal having its outer end free and being connected at its inner end to said hanger, and a flanged roller mounted on said journal and having its flange engaging one of the side faces of said track; substantially as described.

2. The combination with a door-hanger comprising in its construction upwardly-extending arms connected by a single transversely-extending member provided with a journal which extends laterally therefrom, of a roller mounted on said journal; substantially as described.

3. The combination with a door-hanger comprising in its construction upwardly-extending arms connected by a transversely-extending arm provided centrally thereof with a journal, of a roller having a bearing with a closed end mounted on said journal; substantially as described.

4. The combination with a door-hanger comprising in its construction upwardly-extending arms connected by a yoke formed integral therewith and provided with a centrally-located and outwardly-projecting journal, of a roller mounted on said journal having its outer end closed and provided with an oil-opening; substantially as described.

5. In combination, a track, a hanger provided with upwardly-projecting arms and a transversely-extending member connecting said arms provided with a journal, and a

flanged roller located between said arms and
removably mounted on said journal, the
flange of said roller engaging the inner side
face of said track, and the transversely-ex-
5 tending member engaging a side face of said
roller whereby it is retained in operative po-
sition; substantially as described.

In testimony whereof I hereunto affix my
signature, in the presence of two witnesses,
this 1st day of March, 1906.

RICHARD MOBLEY.

Witnesses:

WELLS L. CHURCH,
GEORGE BAKEWELL.