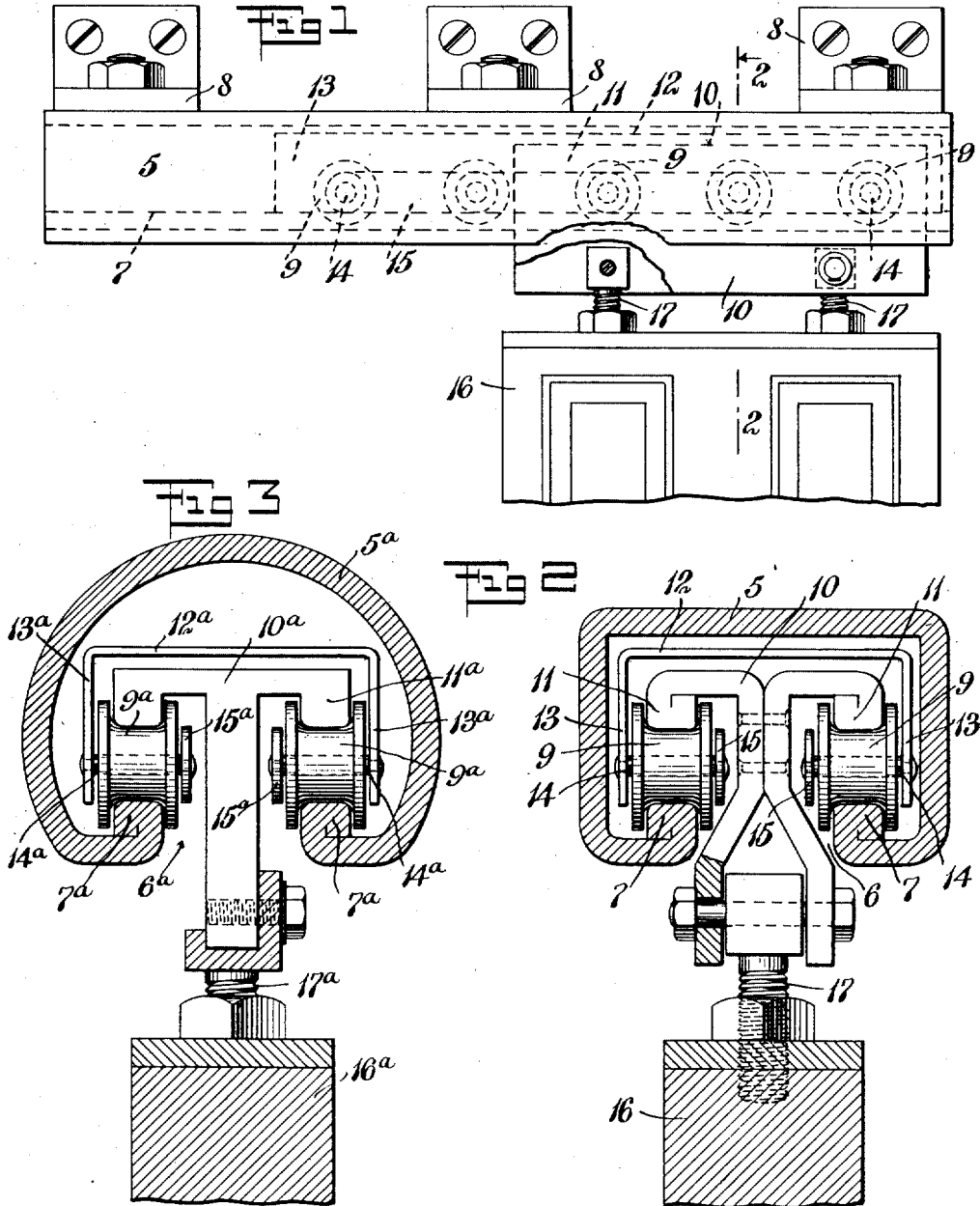


H. LEWSON.
DOOR HANGER.

APPLICATION FILED FEB. 24, 1916.

1,222,876.

Patented Apr. 17, 1917.



Inventor

Harry Lewson

By his Attorneys

Michael & Allen

UNITED STATES PATENT OFFICE.

HARRY LEWSON, OF BROOKLYN, NEW YORK.

DOOR-HANGER.

1,222,876.

Specification of Letters Patent.

Patented Apr. 17, 1917.

Application filed February 24, 1916. Serial No. 80,286.

To all whom it may concern:

Be it known that I, HARRY LEWSON, a Russian subject, a resident of Brooklyn, in the county of Kings and State of New York, with post-office address No. 207 Van Sicklen avenue, have invented certain new and useful Improvements in Door-Hangers, of which the following is a specification.

My invention relates to hangers for supporting sliding closures such as doors, windows and the like and the objects of the invention are to provide a device of this character which will be simple, strong and inexpensive and in which the parts will all be properly protected.

Another important object is to reduce friction to a minimum and to insure the guiding of the sliding closure in its true path.

Briefly the invention comprises a track having spaced supporting rails separated by a slot, two sets of grooved rollers riding on said rails, a supporting head having rails riding on top of said grooved rollers and a retainer or spacer for the rollers arched over the top of the supporting head and having dependent portions carrying journals for the rollers.

In the accompanying drawing I have illustrated my invention embodied in practical and preferred forms but I would have it understood that changes and modifications may be made without departing from the true spirit and scope of the invention.

In said drawing:

Figure 1, is a broken front elevation of the invention as applied to the support of a sliding door.

Fig. 2, is an enlarged cross sectional view of the same taken substantially on the plane of the line 2—2 of Fig. 1.

Fig. 3, is a similar view of a slightly modified form of the invention.

In the embodiment illustrated the supporting track 5 is tubular in form and open at the bottom to provide a slot 6, the material at opposite edges of said slot being turned up and rolled over to provide the upstanding rails 7. This hollow track is shown rectangular in shape in the first form illustrated and is shown supported by suitable brackets 8.

Traveling on each one of the rails 7 is a series of grooved rollers 9 and these rollers in turn serve to carry an elongated supporting head 10 having dependent rails 11 bear-

ing on top of the rollers and disposed opposite the upstanding rails 7 on the track.

In the first form illustrated the elongated supporting head is made up of two angular sheet metal plates secured back-to-back and the dependent rails are provided by rolling over the edges of said plates after the manner of the track rails 7.

The grooved supporting rollers are held in proper spaced relation by a retainer or spacer having a portion 12 arched over the tops of the rollers and the supporting head and having dependent side portions 13 extending down over the sides of the rollers. This spacer, which may be made of relatively light sheet metal thus acts in the nature of a housing for the rollers and supporting head and it serves also to carry the spindles or bearing 14 for the rollers. These horizontally disposed studs secured in spaced relation to the dependent opposite side portions of the spacer and these pivot studs may be traced at their inner ends by being connected by metal connecting straps 15.

The door or closure 16 is connected by suitable means with the dependent portion of the supporting member 10. In the first form illustrated the supporting means is in the form of hanger bolts 17.

The second form shown is similar to the first except that in this case the tubular track 5* is shown as substantially circular in shape and the supporting member 10* is shown as made from a single bar instead of built up of two bars or plates as in the first form.

It will be apparent from the foregoing that my invention provides a door supporting carriage which travels freely and with practically no friction and it will be apparent furthermore that the construction prevents side sway of the door and maintains it in a true path. The construction also has the advantage that all the parts are properly housed and protected against injury.

What I claim as new and desire to secure by Letters Patent is:—

A door hanger comprising a track having a slot and upstanding rails at the opposite edges of said slot, a plurality of grooved rollers traveling on each of said rails, an arched spacing member having a top portion extending over and housing the tops of said rollers and having dependent side portions

extending down over the outer sides of the
rollers, a plurality of inwardly projecting
horizontally disposed pivot pins carried by
each of said dependent portions of the
5 arched spacing member on which said
grooved rollers are rotatably engaged and a
supporting member having an elongated
head portion disposed within the arched por-
tion of the spacing member and provided
10 with dependent rails at the opposite sides
thereof bearing on top of the grooved rollers

and having a dependent supporting portion
extending below said head portion down be-
tween the two sets of rollers and through
the slot between the supporting rails. 15

Signed at Brooklyn, in the county of
Kings and State of New York, this 21st day
of February, A. D. 1916.

HARRY LEWSON.

Witnesses:

ISIDOR GREENSAFE,
SAMUEL A. SOLOMON.

It is hereby certified that in Letters Patent No. 1,222,876, granted April 17, 1917, upon the application of Harry Lewson, of Brooklyn, New York, for an improvement in "Door-Hangers," an error appears in the printed specification requiring correction as follows: Page 1, line 80; for the word "traced" read *braced*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 8th day of May, A. D., 1917.

[SEAL.]

R. F. WHITEHEAD,

Acting Commissioner of Patents.

CL 16—90.