No. 836,239. PATENTED NOV. 20, 1906.

C. A. BUCKLEY.

DOOR HANGER.

APPLICATION FILED MAR. 23, 1906.

Fig. 1.

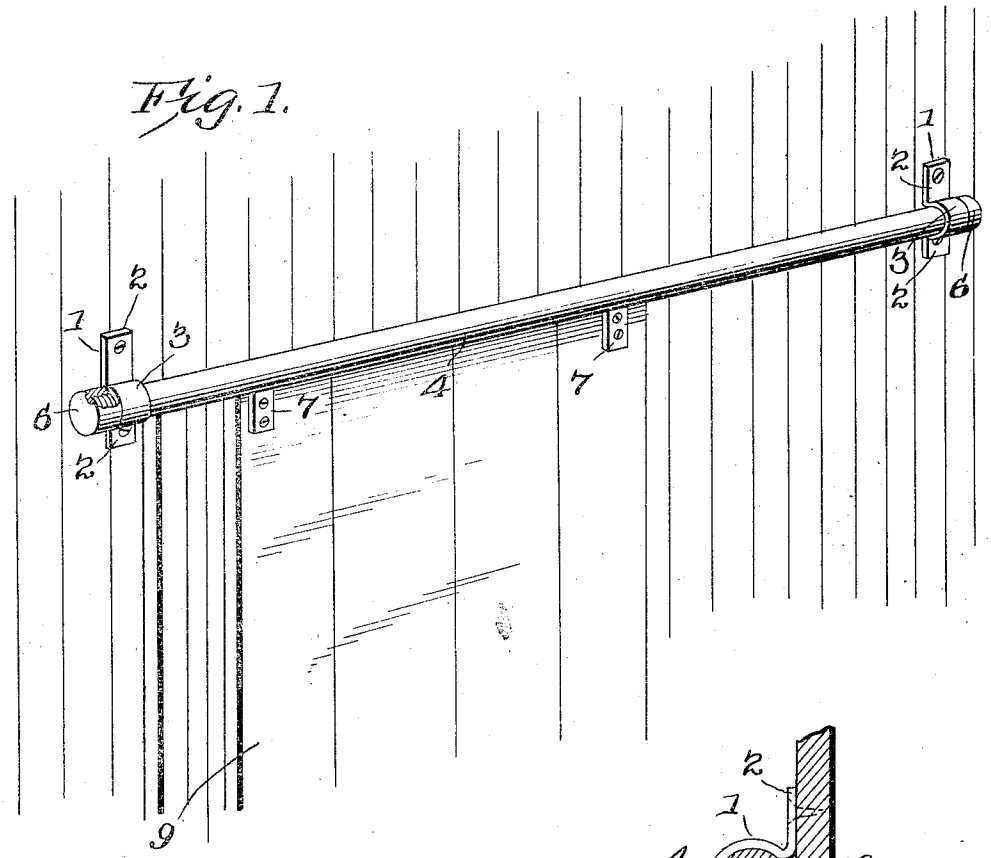


Fig. 3.

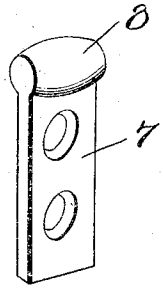
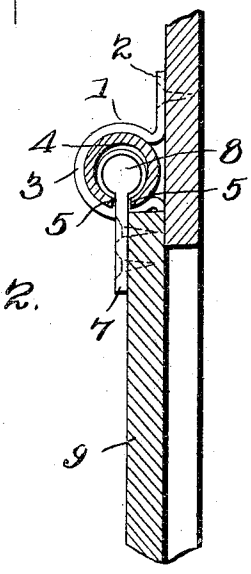


Fig. 2.



WITNESSES:

E. G. Stewart

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ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES A. BUCKLEY, OF GRASS VALLEY, OREGON.

DOOR-HANGER.

No. 836,239. Specification of Letters Patent. Patented Nov. 20, 1906.

Application filed March 23, 1906. Serial No. 307,644.

To all whom it may concern:

Be it known that I, CHARLES A. BUCKLEY, a citizen of the United States, residing at Grass Valley, in the county of Sherman and State of Oregon, have invented a new and useful Door-Hanger, of which the following is a specification.

This invention relates to door-hangers, and its object is to provide a device of this character which is particularly adapted for use in connection with the doors of stock-cars and, in fact, wherever the hangers are exposed to sleet, snow, &c.

Another object is to provide a hanger formed in a single piece and which will operate within and be protected by a supporting-rail of novel form which is capable of swinging in its supports so as to permit the door to be swung into open or closed position.

A still further object is to provide a hanger which cannot be disconnected from its supporting-rail without first detaching the rail.

With the above and other objects in view the invention consists of a tubular supporting-rail rotatably mounted at its ends within suitable brackets, and this rail is slotted longitudinally to receive hangers adapted to be connected to a door. The upper ends of the hangers have substantially oval-shaped knobs thereon, which extend transversely of the slot and bear snugly on the adjoining portions of the inner surface of the rail. As these knobs are wider than the slot, they cannot be withdrawn therethrough, and because of their peculiar contour the friction produced by the movement thereof upon the rail is reduced to a minimum.

The invention also consists of certain other novel features of construction and combinations of parts, which will be hereinafter more fully described, and pointed out in the claim.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings, Figure 1 is a perspective view of a door supported by the hanger. Fig. 2 is an enlarged section through the hanger. Fig. 3 is a detail view of a strap and its knob.

Referring to the figures by numerals of reference, 1 1 are brackets adapted to be fastened to the top of a door-frame or at any point adjacent thereto, and each of these brackets comprises in its construction a metal strap having alining end portions 2 and a central ring-like portion 3. These ring-like portions constitute bearings for the ends of a tubular rail 4, in which is formed a longitudinally-extending slot 5. This rail may be held against longitudinal movement in any preferred manner, as by means of a cap 6, which may be screwed onto each end thereof outside of the brackets. Extending through the slot are a desired number of straps 7, each having a knob 8 at its upper end, which is circular in cross-section, but is thicker than the width of slot 5, so as to prevent the withdrawal of straps 7 through the the slot. Each knob is tapered toward its ends, and therefore has a substantially oval shape. By shaping it in this manner the surface contacting with the rail is reduced to a minimum and friction produced by the sliding of the knobs within the rail is correspondingly diminished. These straps 7 are adapted to be fastened to a door 9 in any suitable manner. It will be understood that by pushing against the edges of the door it can be slid longitudinally in relation to rail 4, and by pressing inward or outward against said door it will swing, the rail 4 rotating in its bearings to allow this movement.

What is claimed is—

A hanger for doors comprising a strap and an integral knob at one end thereof, said knob being tapered toward its ends and circular in cross-section, the longitudinal axis of the knob being disposed at right angles to the strap.

In testimony that I claim the foregoing as my own I have hereto affixed my signatuure in the presence of two witnesses.

CHAS. A. BUCKLEY.

Witnesses:
J. H. SMITH,
BELLE SMITH.