

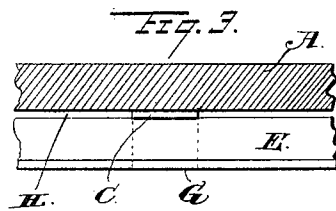
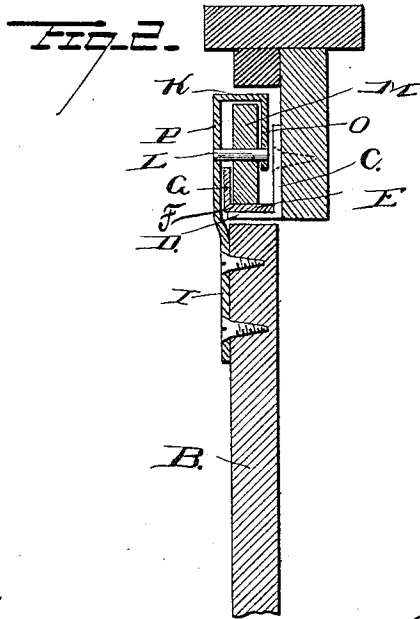
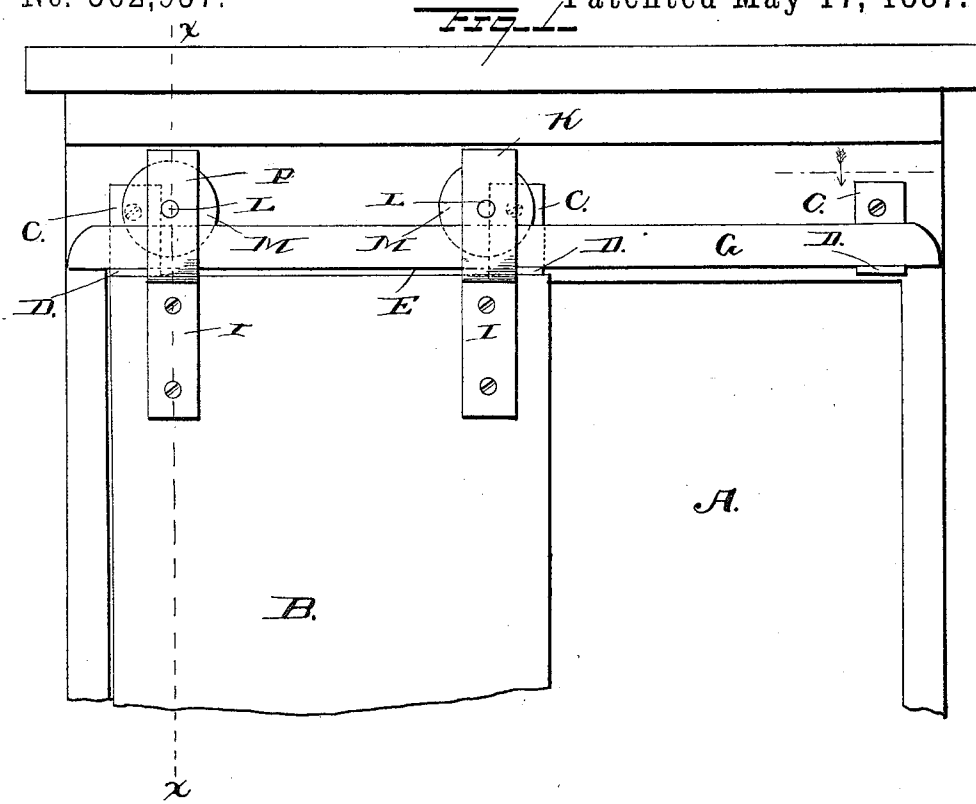
(No Model.)

J. CHARLTON.

DOOR HANGER.

No. 362,937.

Patented May 17, 1887.



Witnesses

Wm. S. Sill

E. G. Siggers

Inventor
James Charlton

By *his* Attorneys

C. A. Howler

UNITED STATES PATENT OFFICE.

JAMES CHARLTON, OF HOUSTON, TEXAS.

DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 362,937, dated May 17, 1887.

Application filed August 27, 1886. Serial No. 212,034. (No model.)

To all whom it may concern:

Be it known that I, JAMES CHARLTON, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Improvement in Door and Gate Hangers; and I hereby declare that the following is a full, clear, and exact description of the invention, 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 a part of this specification.

My invention relates to an improvement in door-hangers for sliding doors and gates; and it consists in the peculiar construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claim.

In the drawings, Figure 1 is a side elevation of a door and gate hanger embodying my improvements. Fig. 2 is a vertical sectional view of the same, taken on the line *x x* of Fig. 1. Fig. 3 is a horizontal section on the line *x x*, Fig. 2, to show the space between the track and the doorway.

A represents the doorway, and B represents the sliding door, both of which are of the usual construction. To the upper side of the doorway are bolted a series of brackets, C, the lower ends of which are bent outwardly at right angles, thereby forming horizontal supporting-arms D, which are all arranged on the same horizontal plane.

E represents the track, which is made of angle-iron and supported on the horizontal arms of the brackets C, the track having the treadway F and the flange G at the outer edge thereof. The brackets C are bolted against the upper side of the doorway and are not countersunk therein, and the inner edge of the track bears against the vertical portions of the brackets, so that between each bracket there will be left a space, H, between the inner edge of the track and the doorway. This space is advantageous, for the reason that it permits dust and dirt which settles upon the track to escape through the opening H when it is dislodged from the track. In Fig. 3 I show this space H. It will be obvious that the width of the brackets C governs the width of this space.

I represents hangers, which are bolted to the upper side of the sliding door. The said

hangers are each made of a single piece of metal—that is, folded sheet metal, or “angle-iron,” as it is termed—the upper portion of which is bent to form an inverted-U-shaped yoke or frame, K, having parallel sides O P. A transverse bolt or spindle, L, extends through each frame, and on the said spindle is journaled a supporting-roller, M, which bears upon the treadway of the track. A space is left between the outside of the roller and the opposing outer side of the hanger sufficient to receive the vertical flange G of the track, and the said flange extends nearly or quite to the bolts or spindles on which the rollers are journaled. The upper edge of the door is nearly in contact with the lower side of the track, and thus it will be seen that it is impossible for the rollers to become disengaged from the track when the door is being opened or closed. When the door is operated, the concussion of the rollers on the track is sufficient to dislodge the dust and dirt therefrom, and it escapes through the opening H, as before described. In this manner an undue accumulation of dust and dirt on the track is prevented. Having thus described my invention, I claim—

In combination with the brackets C, secured to a door or gate way at intervals apart and having the horizontal supporting-arms D, the track E, made of angle-iron and having the horizontal treadway F, secured to the arms D of the brackets, and the upwardly-extending flange G at the outer edge of the treadway, and the hangers I, secured to the door or gate and having their upper portions bent to form an inverted-U-shaped yoke or frame, K, and rollers M, journaled between the sides O P of the frame K, the side O of the frame K being on one side of the rollers, between the latter and the doorway, and the flange G of the track being on the other side of the rollers, between the latter and the side P of the frame K, the inner edge of the treadway F of the track resting against the brackets C, so that between the brackets a space, H, is provided, for the purpose set forth, substantially as described.

JAMES CHARLTON.

Witnesses:

WM. T. CUMMING,
JAMES D. MCKINNON.