

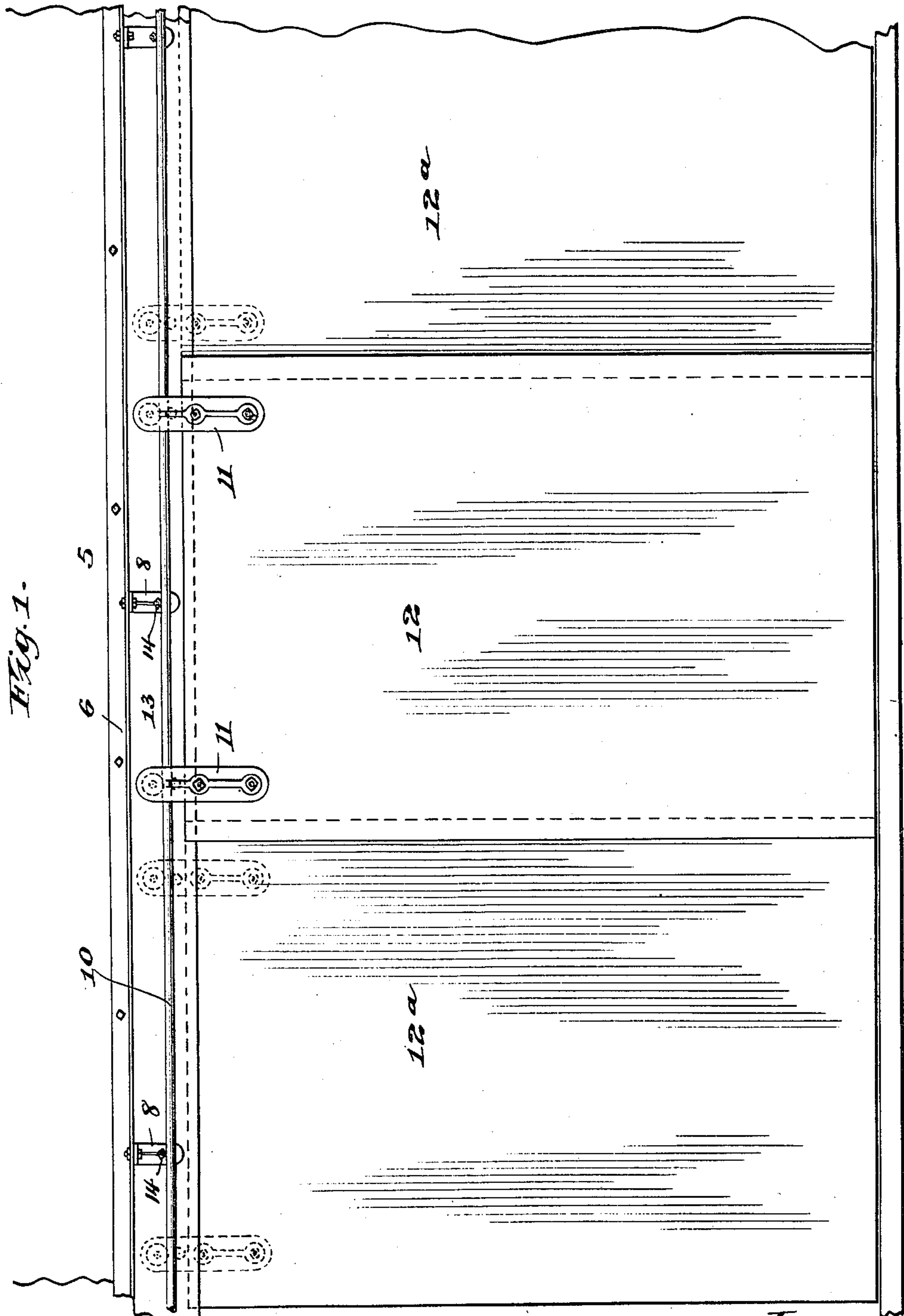
No. 855,352.

PATENTED MAY 28, 1907.

H. C. SMITH.
DOOR HANGER.

APPLIOATION FILED SEPT. 24; 1906.

2 SHEETS—SHEET 1.



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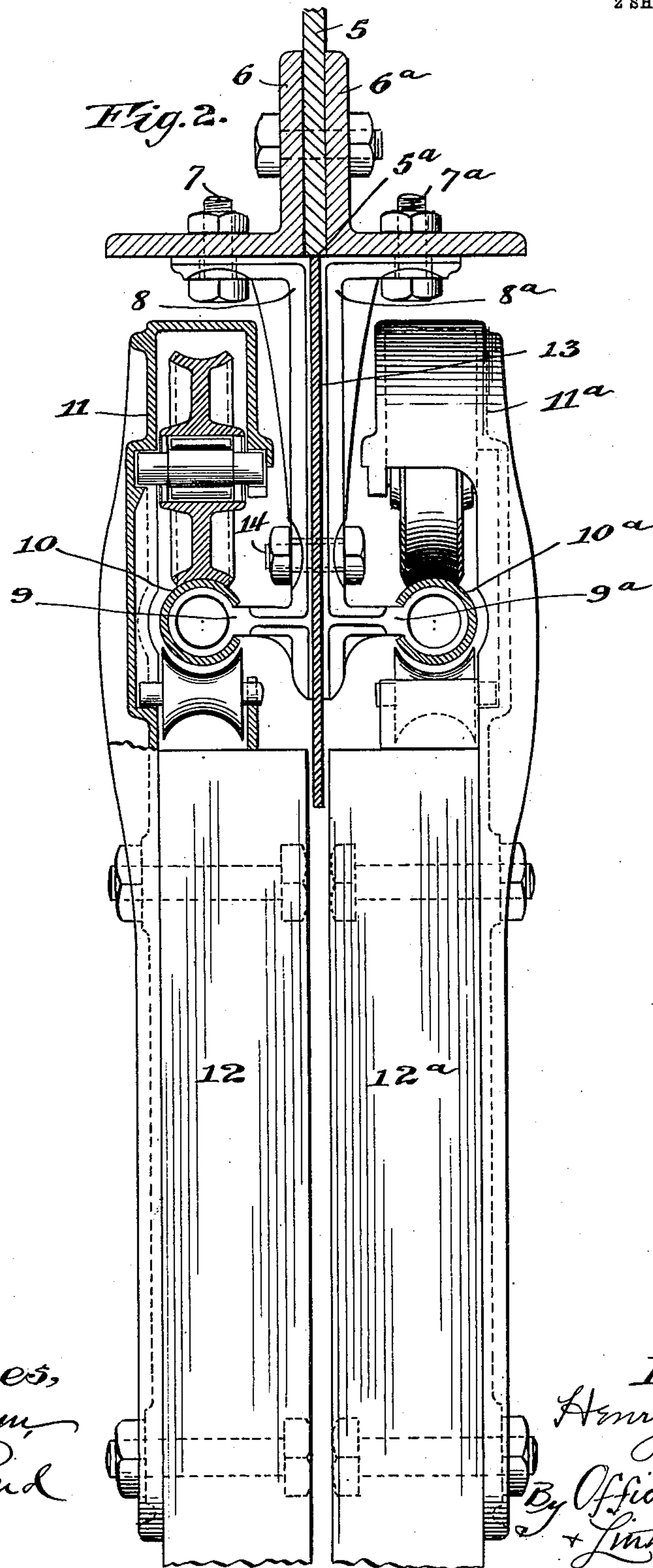
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Witnesses,
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UNITED STATES PATENT OFFICE.

HENRY C. SMITH, OF CHICAGO, ILLINOIS, ASSIGNOR TO ALLITH MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

DOOR-HANGER.

No. 855,352.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed September 24, 1906. Serial No. 335,904.

To all whom it may concern:

Be it known that I, HENRY C. SMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Door-Hangers, of which the following is a specification.

This invention relates to door hangers, and pertains more especially to novel means for suspending the door below the upper edge of the opening to be guarded thereby, and to means for closing the space between the top of the door and the upper edge of the opening opposite the hanger mechanism in order to afford a complete and effective closure for the opening and prevent the passage of drafts and moisture, as well as, in fire-proof structures, to afford a safeguard against the spread of fire through the opening guarded by the door.

In the principal intended application of the invention, and in the most complete form of the latter, the structure comprises a pair of tracks supported upon two series of oppositely projecting track-supporting brackets themselves suspended from the upper edge of the door opening, each track supporting one or more doors capable of sliding in either direction, the combined doors of the two tracks together being capable of affording a complete closure for the opening, in combination with what I term a "parting strip" lying between and preferably secured to the two series of brackets, and closing the space between the tops of the doors and the upper margin of the opening.

My invention, in an approved mechanical form, is illustrated in the accompanying drawings, wherein—

Figure 1 is an elevational view of a mechanism embodying my present improvements; and Fig. 2 is an edge view, partly in cross-section.

Referring to the drawings, 5 may designate a portion of the wall of a warehouse or other structure lying immediately above an opening of considerable extent therein, the lower margin of the wall coinciding with the upper margin of the opening being indicated at 5^a (Fig. 2). Bolted or otherwise secured to the edge of wall 5 directly above the opening are a pair of angle irons 6 and 6^a, the oppositely projecting horizontal portions of which lie substantially in the horizontal plane of the

lower edge of the wall, as clearly shown in Fig. 2. Secured to the horizontal members of the angle irons, as by bolts 7 and 7^a are a pair of depending brackets 8 and 8^a provided at their lower ends with oppositely extending arms 9 and 9^a that support tracks 10 and 10^a. On these tracks are mounted hangers 11 and 11^a serving to suspend doors 12 and 12^a beneath the tracks 10 and 10^a, respectively.

The described manner of hanging the doors leaves an open space between the upper edges of the doors and the upper margin of the door opening, which space it is desirable for a variety of reasons to close. This is done by means of a strip 13 that is interposed between the two series of brackets 8 and 8^a, the upper edge of said strip lying against the lower edge of the wall 5, and the lower marginal portion of the strip overlapping and lying between the tops of the doors 12 and 12^a, all as clearly shown in Fig. 2. This member, which I term a "parting strip" where a pair of tracks supporting two doors or series of doors slidable past each other are employed, is preferably supported by means of bolts 14 passed through each pair of opposed brackets and the parting strip, thus clamping said parting strip firmly between said brackets, and contributing to the strength and rigidity of the track supports themselves, as well as affording an efficient guard or closure for that portion of the opening lying above the tops of the doors.

With this construction an opening of any width may be controlled by two doors or two series of doors suspended on the two tracks, respectively; the door or doors on one side being capable of sliding into registering or overlapping positions relatively to the door or doors on the other side, so as to obtain any desired width of opening, as well as to completely close the opening by sliding the doors into marginally overlapping positions, as indicated in Fig. 2. The parting strip 13 extends continuously above all the doors from side to side of the opening.

Minor variations and modifications in the details of structure and arrangement may be made by those skilled in the art without affecting the substance or sacrificing the advantages of the present invention.

I claim:

1. In a door hanger, the combination with

a bracket suspended from the upper margin of the door opening, a track supported thereby, a hanger mounted to travel on said track, and a door suspended by said hanger, of a
5 strip secured to said bracket and closing the space between the upper edge of the opening and the top of the door, substantially as described.

2. In a door hanger, the combination with
10 a bracket suspended from the upper margin of the door opening, a track supported thereby, a hanger mounted to travel on said track, and a door suspended by said hanger, of a strip secured to said bracket with its upper
15 edge engaging the upper margin of the door opening and its lower edge overlapping the upper end of the door, substantially as described.

3. In a door hanger, the combination with
20 a pair of oppositely extending brackets suspended from the upper margin of the door opening, of tracks carried by said brackets,

hangers mounted on said tracks, doors suspended by said hangers, and a parting strip interposed between said brackets and closing
25 the space between the upper edge of the opening and the tops of the doors, substantially as described.

4. In a door hanger, the combination with a pair of oppositely extending brackets suspended from the upper margin of the door
30 opening, of tracks carried by said brackets, hangers mounted on said tracks, doors suspended by said hangers, and a parting strip secured to and between said brackets with its
35 upper edge engaging the upper margin of the door opening and its lower edge extending below and between the upper margins of the doors, substantially as described.

HENRY C. SMITH.

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