

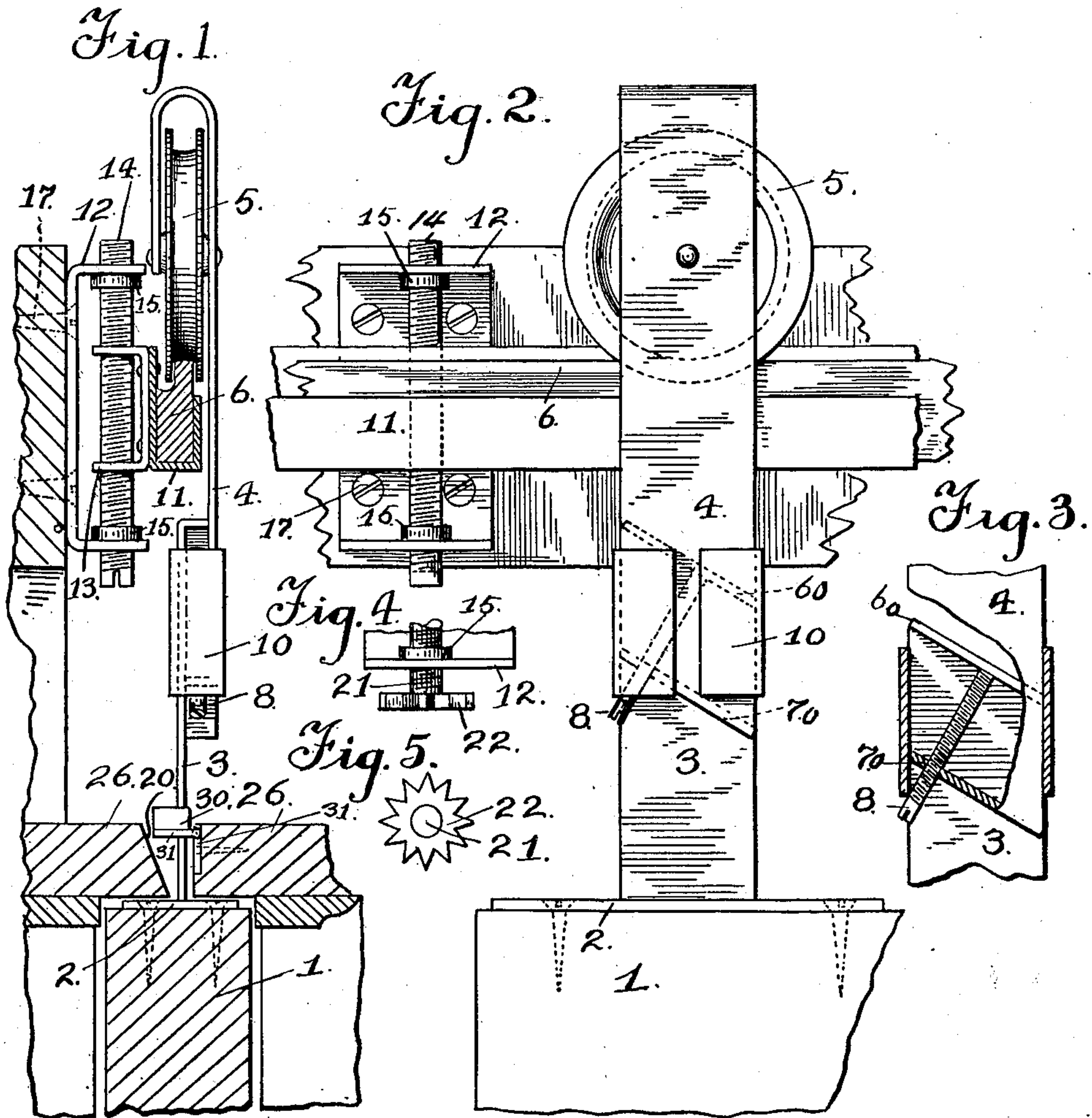
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PATENTED AUG. 7. 1906.

K. McLEOD.
SLIDING DOOR HANGER AND FIXTURES.

APPLICATION FILED AUG. 1, 1905.

2 SHEETS—SHEET 1.



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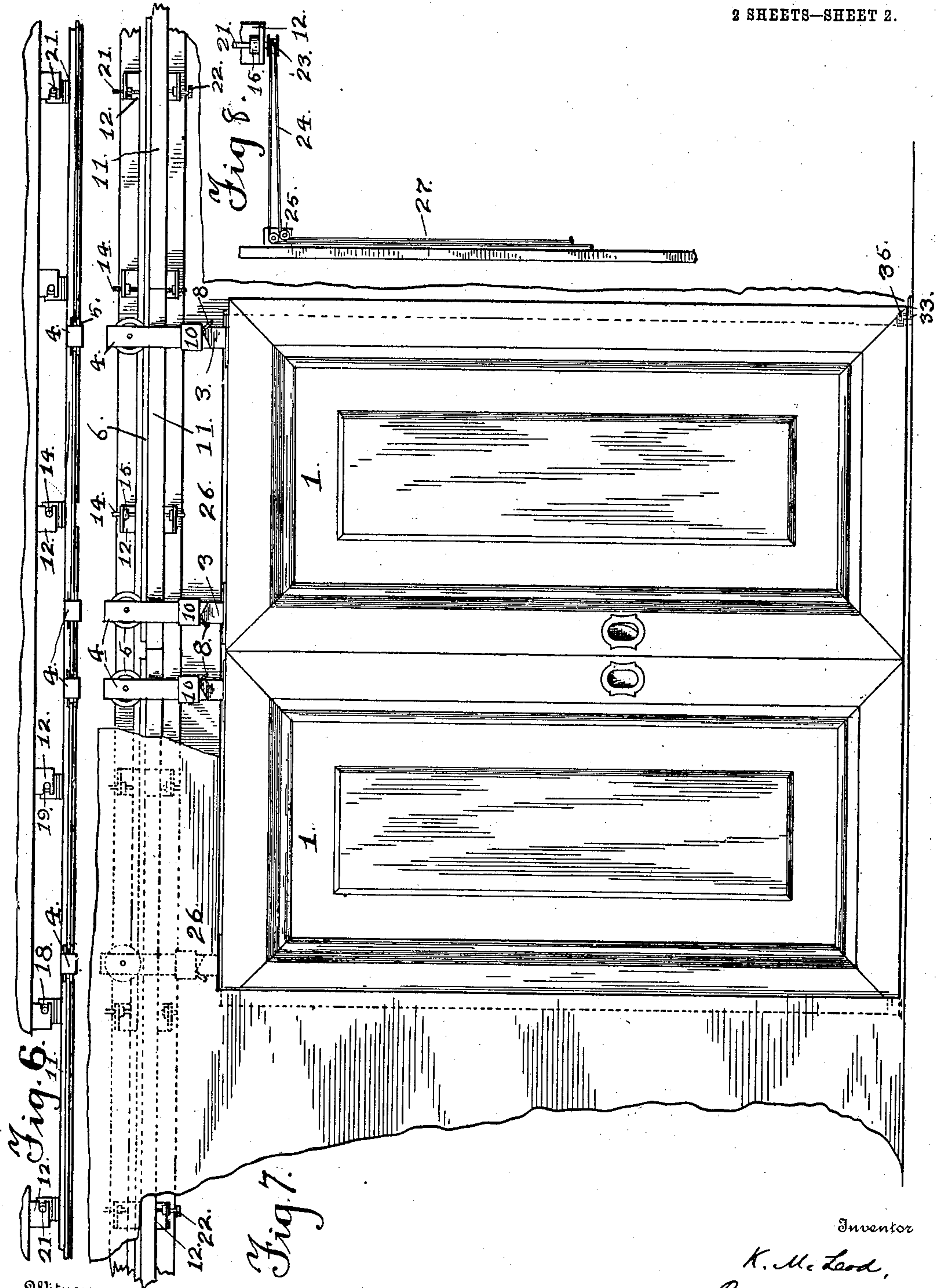
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

KENNETH McLEOD, OF SAN FRANCISCO, CALIFORNIA.

SLIDING-DOOR HANGER AND FIXTURES.

No. 827,873.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed August 1, 1905. Serial No. 272,237.

To all whom it may concern:

Be it known that I, KENNETH McLEOD, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Sliding-Door Hangers and Fixtures, of which the following is a specification.

This invention relates to improvements in sliding-door hangers and fixtures therefor, the object of the invention being to provide such hangers and fixtures which can easily be placed in position and which can be readily adjusted without removing any part of the finish or walls.

In the accompanying drawings, Figure 1 is a broken end view of the door with a hanger attached thereto. Fig. 2 is a broken front view of the same. Fig. 3 is a broken front view of the adjusting device for the hanger. Fig. 4 is a detailed side elevation of the bottom of one of the adjusting-screws for the support. Fig. 5 is a bottom plan view of the same. Fig. 6 is a top plan view of a pair of doors and the hangers and the tracks therefor. Fig. 7 is a front view of the same. Fig. 8 is a side elevation of a modification of the means for adjusting one of the supports.

Referring to the drawings, 1 represents a pair of doors, to the tops of which are secured plates 2, depending from lower hanger-sections 3, adjustably secured to upper hanger-sections 4, the upper ends of which are bent over to form bearings for the wheels 5, which run upon the tracks 6. The upper and lower sections 4 3 have their ends bent on lines oblique to the general direction of the sections, but in planes at right angles to the vertical planes of the sections, the end of each section being so bent toward the other section to form spacing-plates 70 60, the parts of the sections adjacent to the spacing-plates lying opposite each other and each bearing against the free edge of the spacing-plate of the other section, being held thus together by the metal band 10, as shown in Figs. 1, 2, and 3. Through the spacing-plate 70 of the upper section is screwed a screw 8, the upper end of which abuts against the spacing-plate 60 of the lower section. It will be readily seen that upon screwing the screw 8 in or out of the plate 70 the compound hanger formed of the sections 3 4 may be shortened or lengthened, as desired.

The wooden track 6 is supported in two channel-irons 11, each of which is in turn

supported by means of three U-shaped brackets 12, secured by screws 17 to the walls or framing. The horizontal portions of these brackets 12 are formed with recesses 18 19, (see Fig. 8,) in which are placed adjusting-screws 14 21, to which, near their ends, are secured collars 15 at such distances from each other on the screw that they rest just within the horizontal portions of the brackets and prevent the screws 14 21 having any vertical motion in the recesses 18 19. These screws 14 21 pass through U-shaped nuts 13, which are secured to the channel-irons 11. Hence by turning said screws 14 21 the nuts 13, and therefore also the channel-irons 11 and the track 6, can be raised or lowered.

To insure the retention of the screws 14 21 in the three recesses 18 19, two of the recesses 18 open one way longitudinally of the track, while the third, 19, opens the opposite way. Obviously with this arrangement there can be no longitudinal movement of the track 6 or of the screws 14 21. To install the track, first the two brackets 12, having the recesses 18, are secured in place, then the two corresponding screws 21 14, with the nuts 13, channel-iron 11, and track 6, supported thereon, are inserted in said recesses 18, and then the other bracket 12 is secured in position so that the screw 14 is on the recess 19.

The two adjusting-screws 14 nearest the middle of the doorway are turned by means of a screw-driver introduced in the opening between the head-jambs 26 above the door, one of said jambs being beveled, as shown at 20, to permit this to be done; but the third screw 21, more remote from the center of the doorway, cannot be reached in this manner and is therefore provided at the lower end with a star-wheel 22, which can be turned by means of a hook or any similar device passed between the jambs when the door has been moved out. In Fig. 9 is shown a modification for turning the third screw 21, consisting of a small drum 23, secured upon the screw, around which is wound a cord 24, which then passes around a small pulley 25 and is secured behind the side jamb 27.

A bumper is provided to arrest each door, said bumper consisting of a block of rubber 30 fastened to one of the leaves of a tight pin-hinge 31, the other leaf of which is fastened into the edge of the head-jamb 26, said block being thus adapted to be swung up out of the way of the hanger to permit the door to be moved past its normal position to obtain ac-

cess to the track behind the side jambs and also to the other hangers.

I claim—

1. In an apparatus of the character described, the combination of a bracket adapted to be secured to a wall or framing, a screw turning therein, but provided with means for preventing longitudinal movement therein, a nut in which said screw works, a track secured to said nut, a hanger on said track, and a door supported by said hanger, the lower end of the screw being provided with star-like extensions whereby said screw can be turned by a hook or similar implement from a distance, substantially as described.

2. In an apparatus of the character described, a compound hanger comprising upper and lower hanger-sections extending opposite to each other at their ends, and bent toward each other at said ends to form spac-

ing-plates, a screw screwed through one of said plates and engaging the other, and means for holding said ends in movable relation to each other, substantially as described.

3. In an apparatus of the character described, a compound hanger comprising upper and lower hanger-sections extending opposite to each other at their ends, and bent toward each other on oblique lines to form spacing-plates, a screw screwed through one of said spacing-plates and engaging the other, and a band around both sections, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

KENNETH McLEOD.

Witnesses:

FRANCIS M. WRIGHT,
BESSIE GORFINKEL.