

No. 807,762.

PATENTED DEC. 19, 1905.

D D MILLER.
BRACKET OR TRACK SUPPORT.
APPLICATION FILED FEB. 23, 1905.

FIG. 1

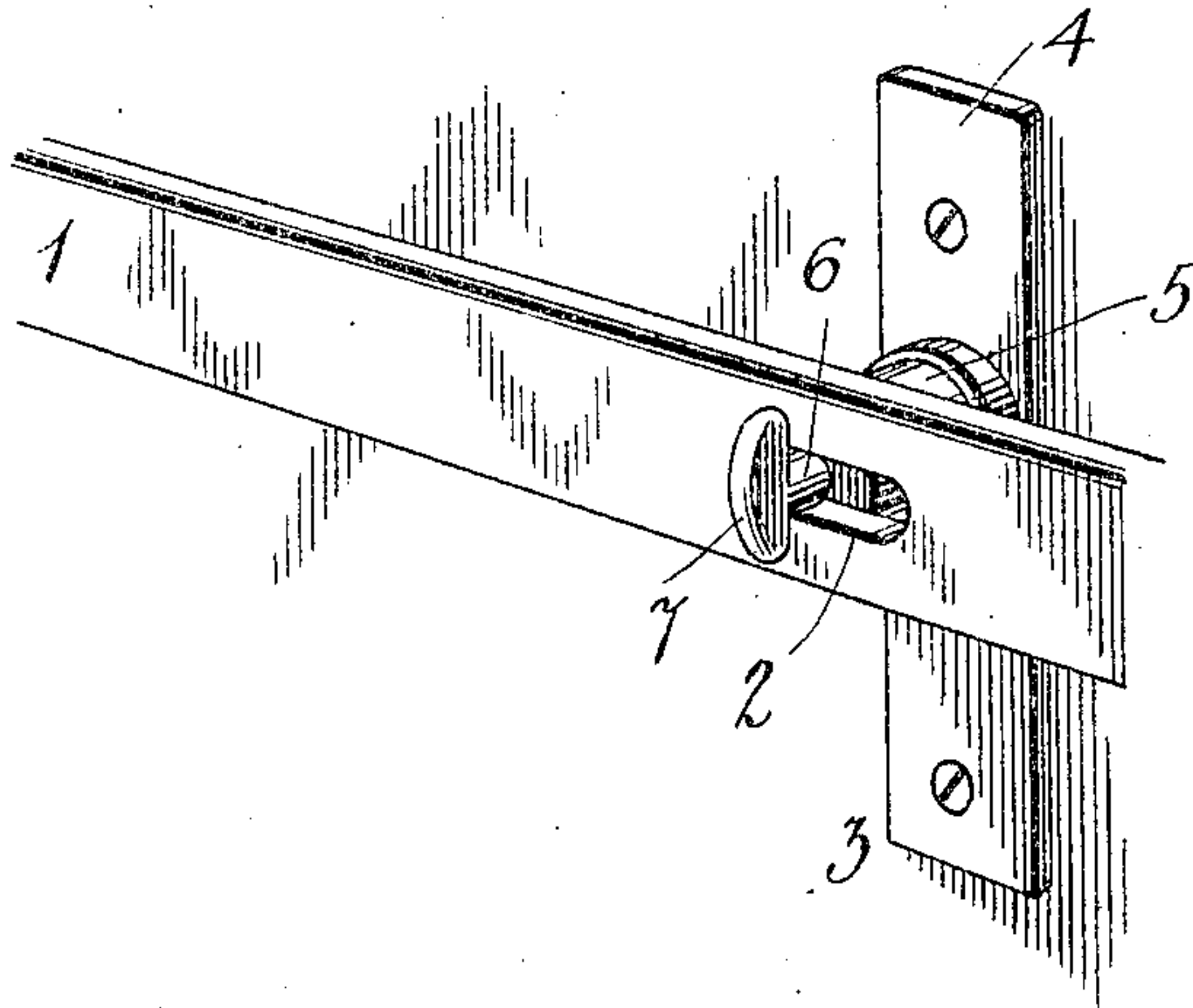


FIG. 2

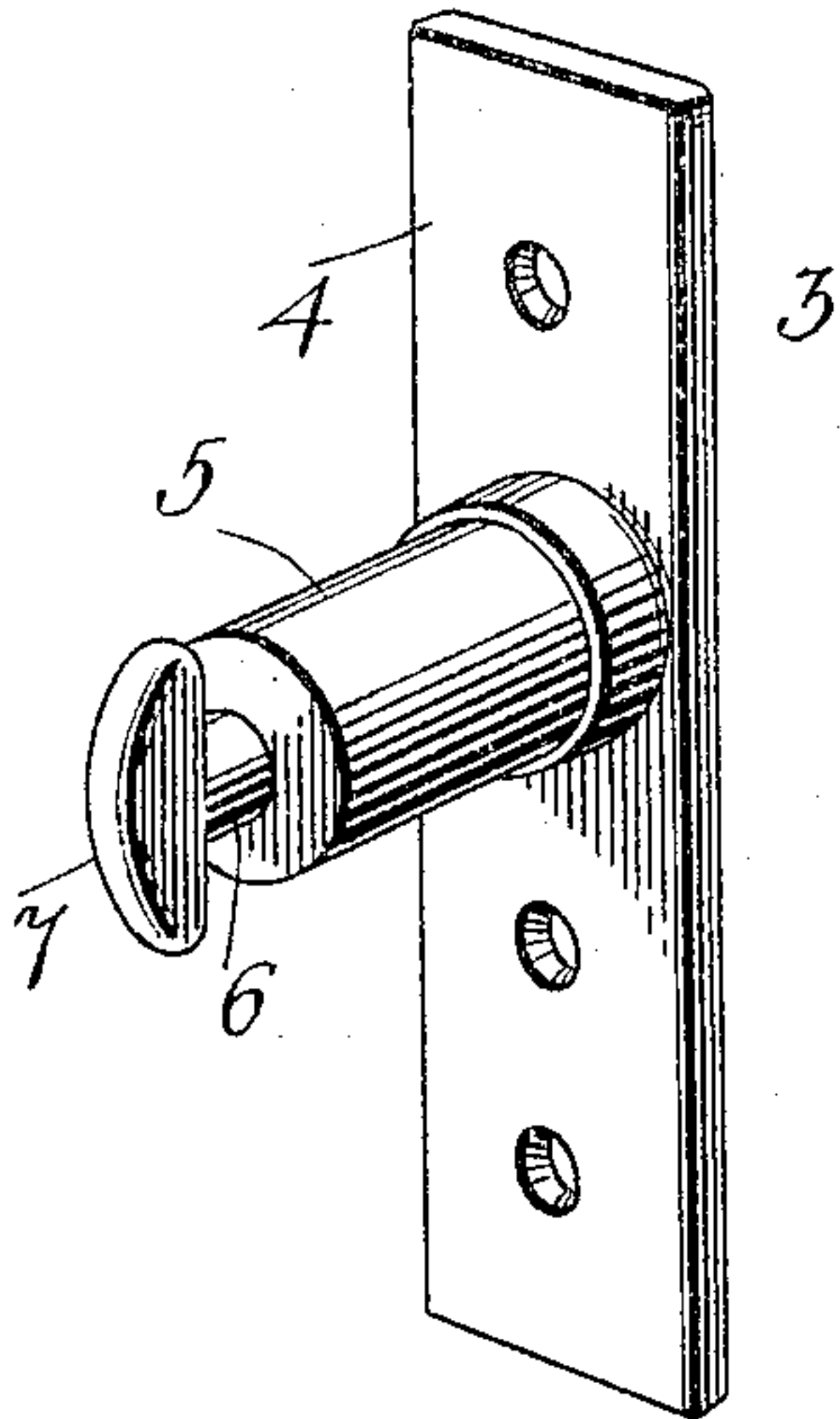
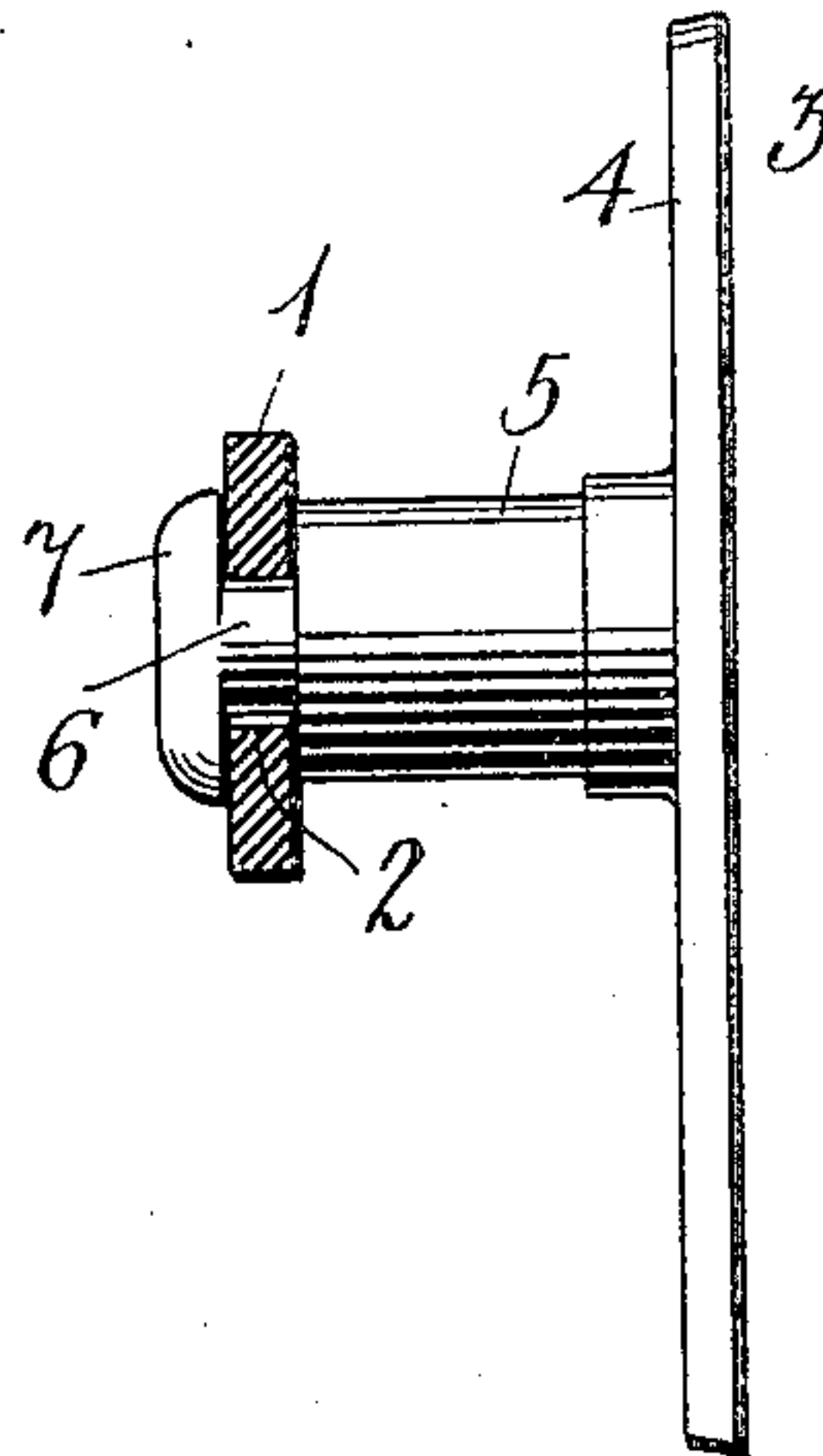


FIG. 3



Witnesses

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BRACKET OR TRACK-SUPPORT.

No. 807,762.

Specification of Letters Patent.

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Application filed February 23, 1905. Serial No. 246,955.

To all whom it may concern:

Be it known that I, D D MILLER, a citizen of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have
5 invented new and useful Improvements in Brackets or Track-Supports, of which the following is a specification.

My invention is an improved bracket for securing and supporting the rail of a hanger
10 for barn-doors and other doors, the object of my invention being to provide a simple device of this character which may be readily attached to and detached from the rail at will and from which the rail cannot become casu-
15 ally detached and which may be manufactured at small cost.

My invention consists in the combination, with a rail having a longitudinal slot, of a bracket having a stud provided with a head
20 adapted to be inserted through and turned at an angle with reference to the rail-slot to lock the latter detachably to the bracket.

My invention further consists in the construction, combination, and arrangement of
25 devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a section of a door-hanger rail, also showing one of my improved brackets detachably secured to the rail to
30 support the latter. Fig. 2 is a detail perspective view of my improved bracket; and Fig. 3 is a side elevation of the bracket, showing the rail attached thereto, the rail being in cross-section.

35 The rail 1 may be of the form here shown or of any other suitable form. Each section of the rail is provided with one or more longitudinal slots, which may be at any suitable distance apart, according to the number of
40 brackets that are to be used to support the rail-sections.

My improved bracket 3 comprises a base 4, which is adapted to bear against the wall of the structure, and is provided with a suitable
45 number of openings for the screws which are employed in securing the bracket to the wall. The base when secured to the wall is in a vertical position at right angles to the rail, which is in a horizontal position. Formed with or
50 secured to the base 4 is a laterally-extending

arm 5 of suitable length and diameter, the same being here shown as cylindrical in form. At the outer end of the said arm, at the center of the same, is a reduced portion forming a stud 6, which is cylindrical in form and is
55 of such size as to enable it to enter the slot of the rail, and the said stud is provided at its outer end with a fixed locking-head 7, which is also of such size as to enable it to be passed through the said slot in the rail. 60
When the rail and bracket are secured in place, the head 7 of the bracket-stud is at right angles to the slot 2 of the rail and bears against the outer side thereof, the inner side of the rail bearing against the outer end of
65 the arm 5. It will be evident that the rail while detachably secured to the bracket cannot be casually detached therefrom, since the bracket must be first released and turned so as to dispose its head 7 parallel with the rail-
70 slot before the said locking-head can clear the rail-slot and permit of the detaching of the rail from the bracket.

From the foregoing description, taken in connection with the accompanying drawings, 75 the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be
80 resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters
85 Patent, is—

1. A door-hanger track-rail having a longitudinal slot, in combination with a supporting-bracket having a fixed stud to enter said slot and provided with a fixed locking-head
90 adapted to pass through and clear the slot and to be disposed at an angle with reference thereto, to prevent the rail from becoming casually displaced from the bracket, substantially as described. 95

2. In combination with a door-hanger rail having a longitudinal slot, a supporting-bracket comprising a base, an arm extending laterally from the base and having a reduced
100 portion at its outer end forming a fixed stud

and a shoulder, said stud being adapted to enter the slot of the rail and having a fixed locking-head adapted to clear the said slot and to be turned at an angle thereto, to dis-
5 pose the said locking-head on one side of the rail and the shoulder of the arm on the other side thereof.

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

D D MILLER.

Witnesses:

MARIE ZÜRCHER,
CHAS. M. BALL.