

No. 789,227.

PATENTED MAY 9, 1905.

W. S. NEAD.
WINDOW SHADE AND CURTAIN BRACKET.
APPLICATION FILED SEPT. 29, 1904.

Fig. 1.

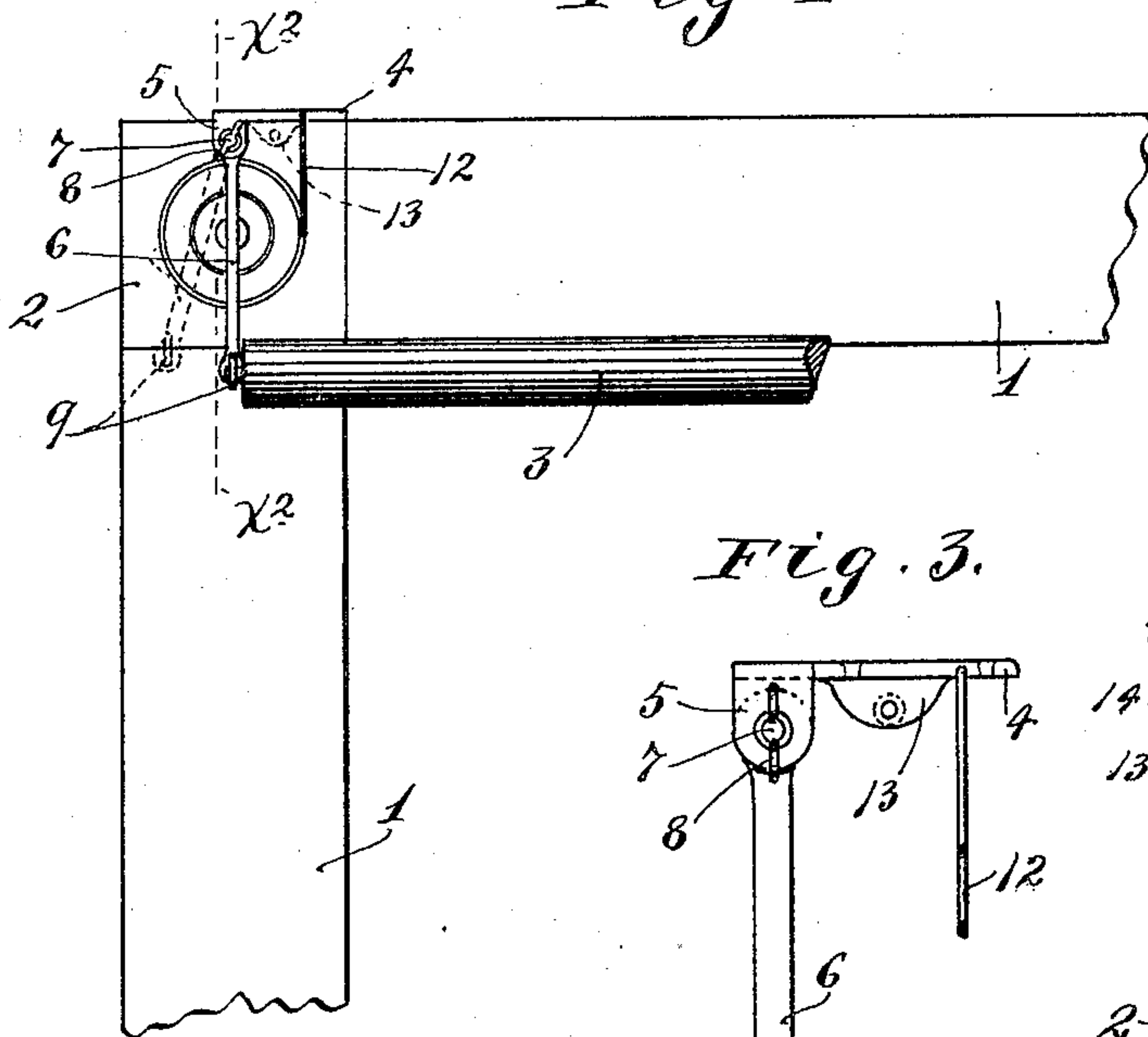


Fig. 3.

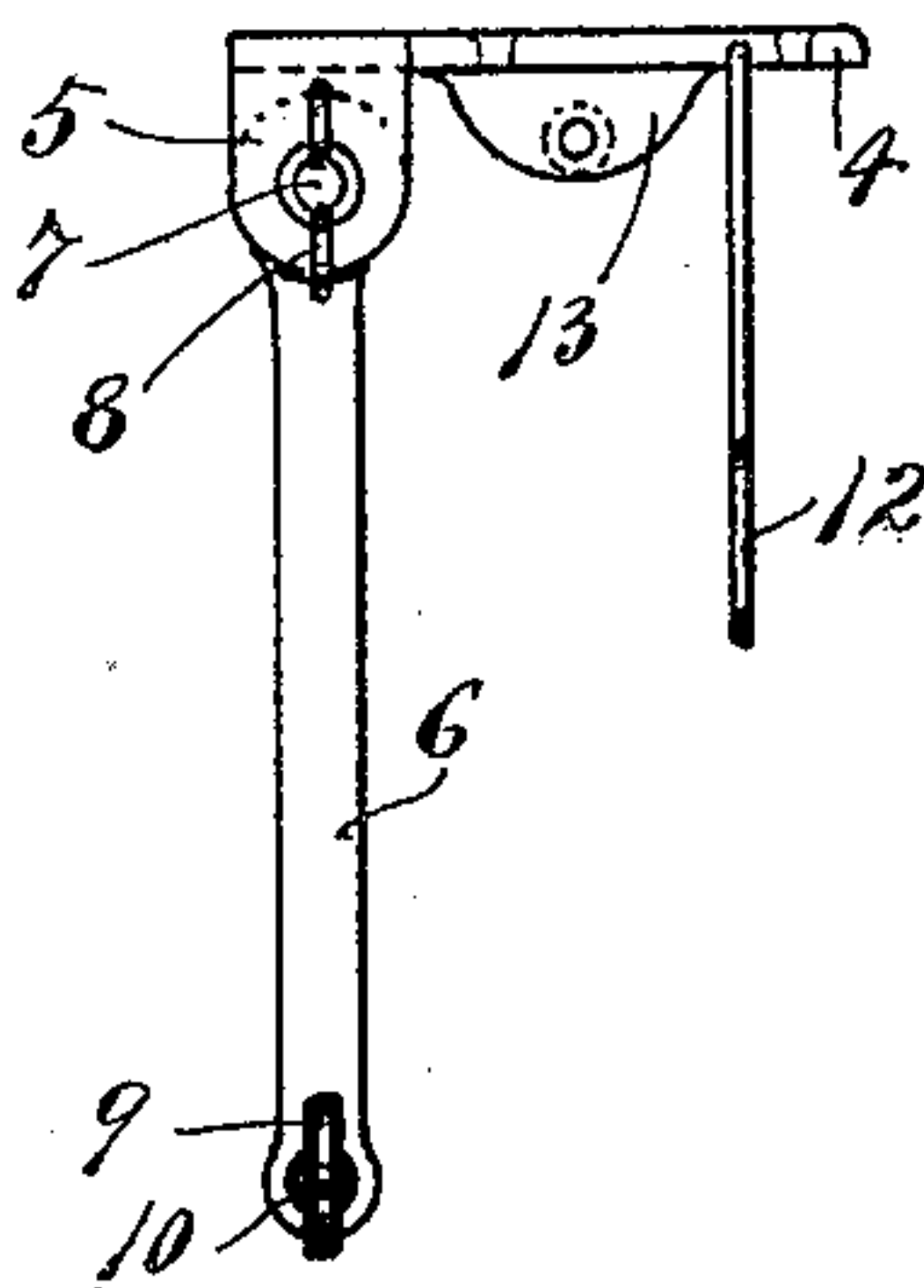


Fig. 2.

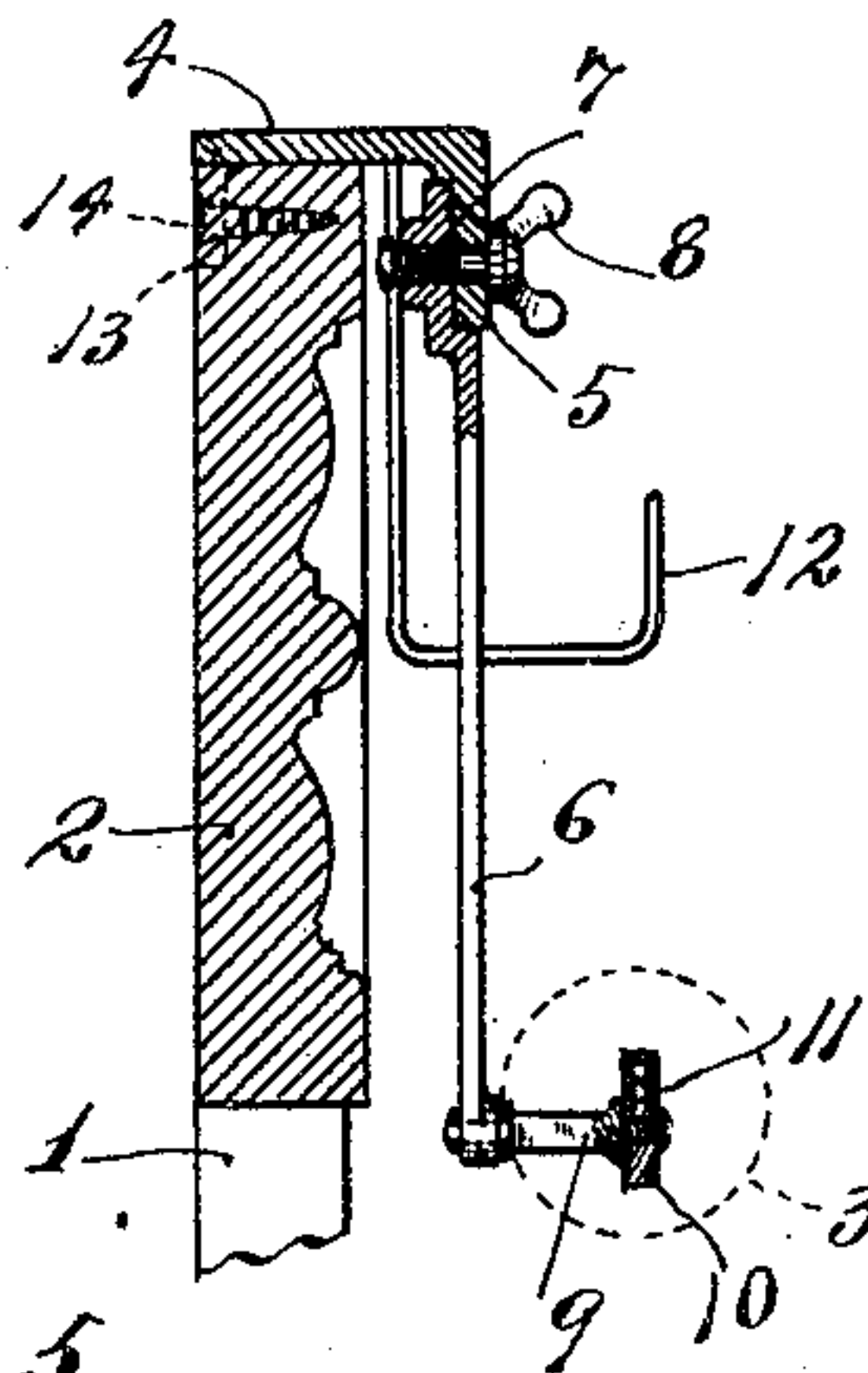


Fig. 4.

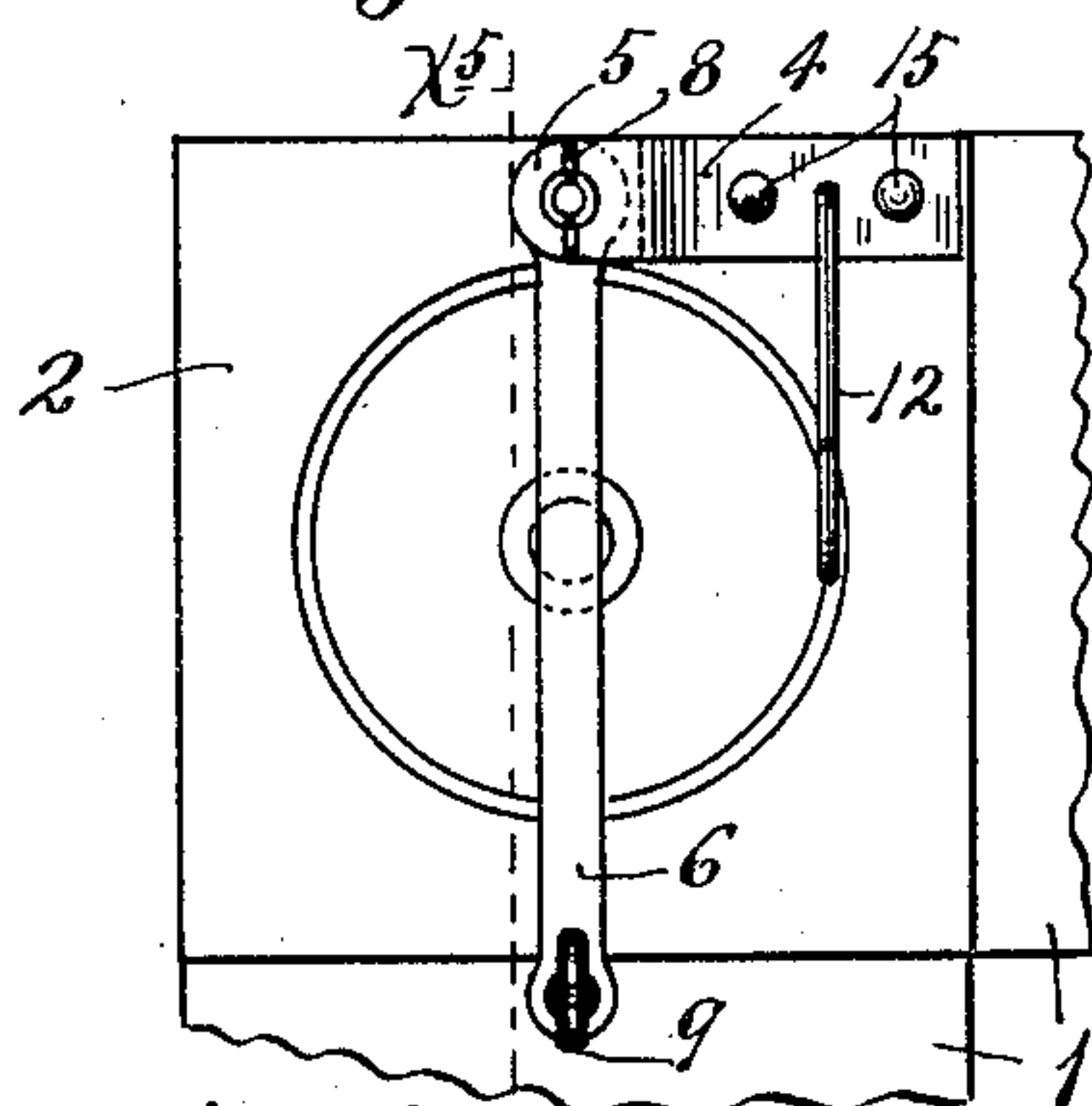


Fig. 5.

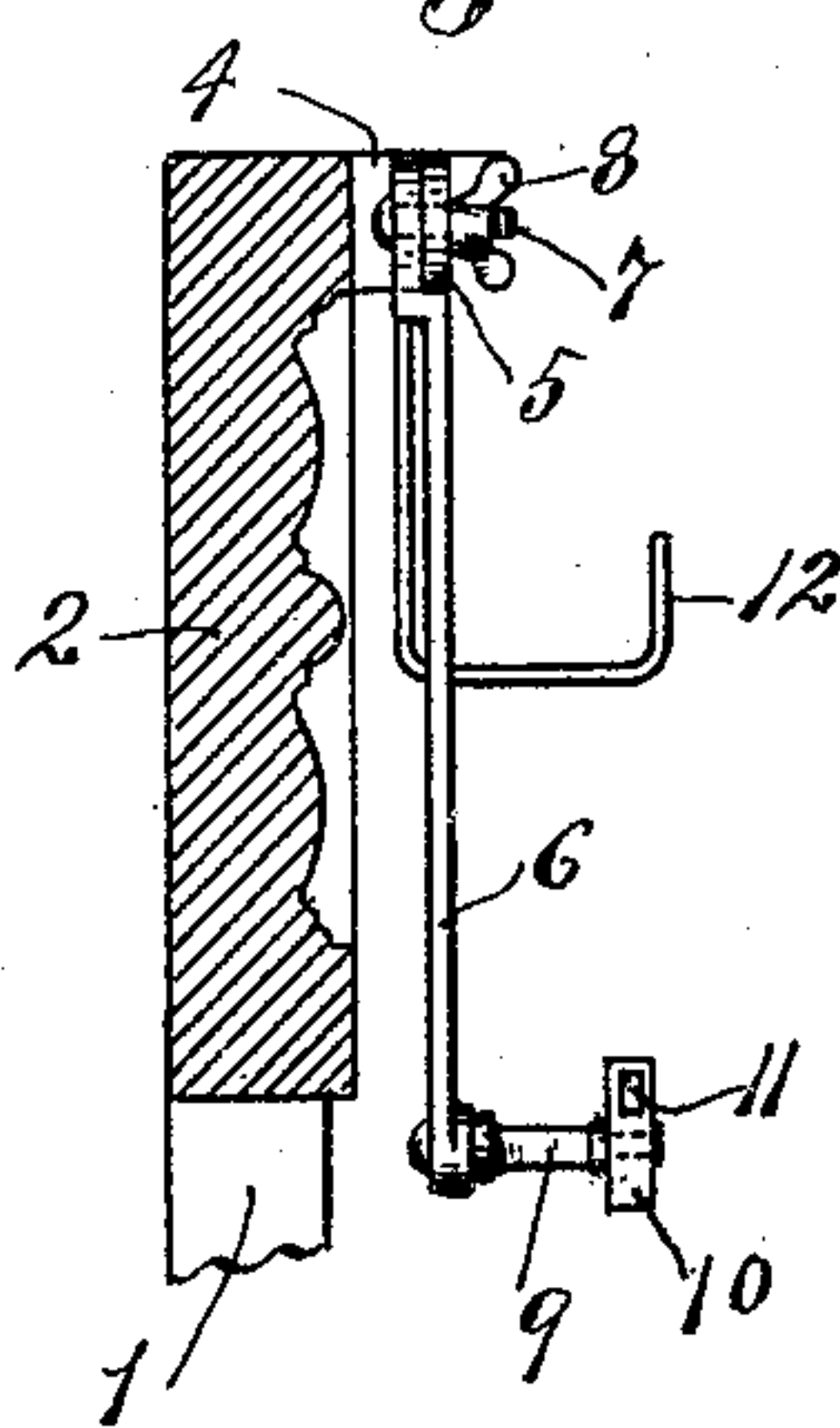
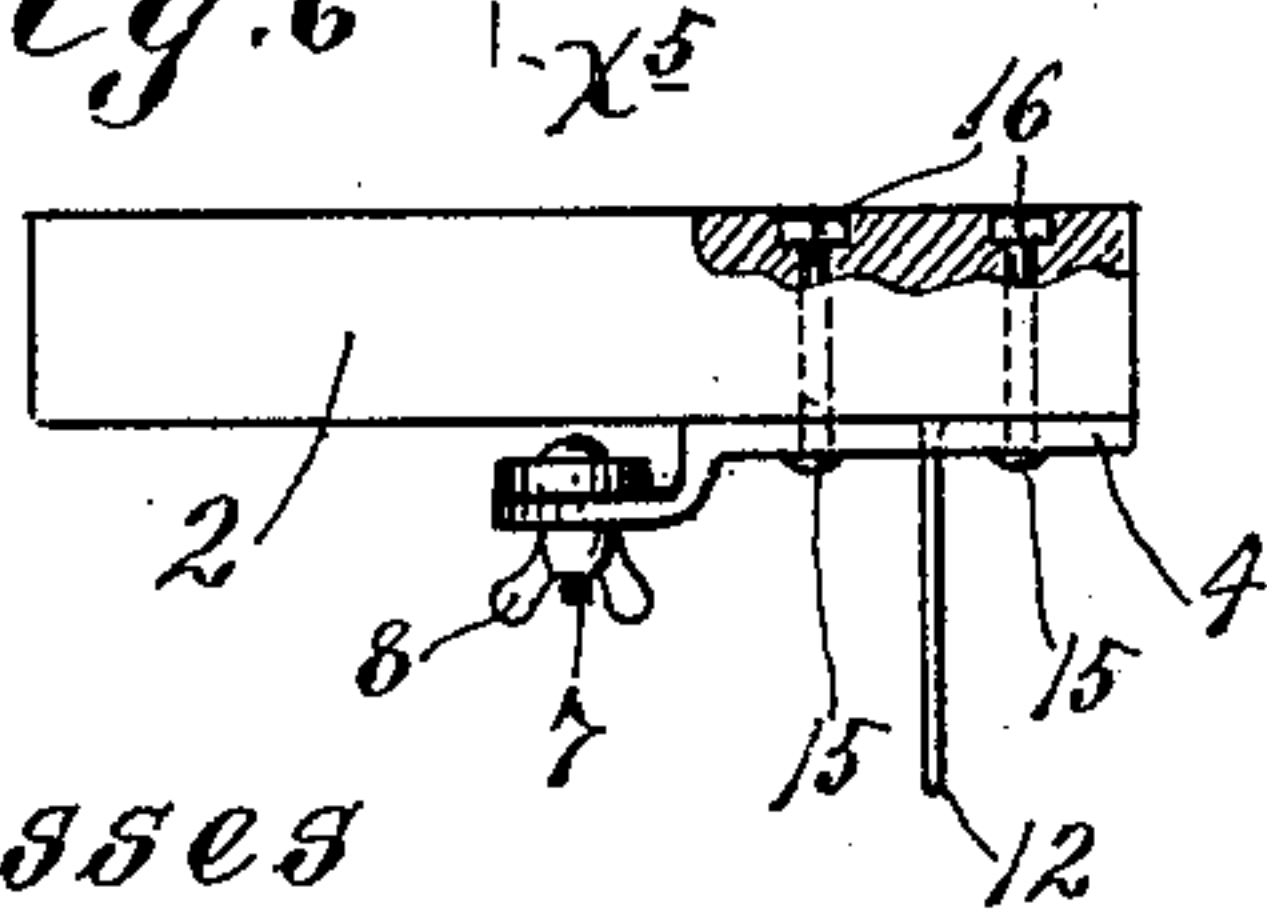


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

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WINDOW SHADE AND CURTAIN BRACKET.

SPECIFICATION forming part of Letters Patent No. 789,227, dated May 9, 1905.

Application filed September 29, 1904. Serial No. 226,435.

To all whom it may concern:

Be it known that I, WILLIAM S. NEAD, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Window Shade and Curtain Brackets; and I do hereby declare the following to be 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.

My invention relates to shade and curtain supporting brackets, and has for its object to improve the same in the several particulars hereinafter noted.

The invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

In the accompanying drawings, which illustrate my invention, like characters indicate like parts throughout the several views.

Figure 1 is a view in side elevation showing a portion of a window-frame looking at the inner face thereof and showing a portion of a shade-roller supported by one of my improved brackets. Fig. 2 is a transverse vertical section taken approximately on the line $x^2 x^2$ of Fig. 1, some parts being indicated only by dotted lines. Fig. 3 is a view in elevation showing the improved bracket removed from the window-casing. Fig. 4 is a view corresponding to Fig. 1, but illustrating a slightly-modified form of the supporting-bearing of the bracket. Fig. 5 is a transverse vertical section taken approximately on the line $x^5 x^5$ of Fig. 4; and Fig. 6 is a plan view of the parts shown in Figs. 4 and 5, some parts being sectioned.

The numeral 1 indicates the inner casings, and the numeral 2 one of the caps or corner-blocks of an ordinary window-frame. The numeral 3 indicates an ordinary shade-roller. The parts 1 and 2 may be secured to the window-frame by screws, nails, or other suitable devices.

The improved bracket involves a supporting-bearing 4, which is rigidly secured to the window casing, cap, or other inner portion of the window-frame, and, as shown in both illus-

trations given in the drawings, is bolted to said cap or corner-block 2, as will presently be more fully considered. The bearing 4 is formed with an ear 5, that is offset laterally from the block 2, and to which is pivotally attached the upper end of an adjustable supporting-arm 6. The pivotal connection between the arm 6 and the ear 5 is made by a bolt 7, passed outwardly therethrough, with its head located between the upper end of said arm and the adjacent face of the block 2 with so little clearance that the said bolt cannot be removed from working position as long as the bearing 4 is clamped to the said block. On the threaded outer end of the bolt 7 is a nut 8, preferably in the form of a thumb-nut. By tightening this nut the arm 6 may be rigidly clamped in any adjustment to the ear 5 of the bearing 4.

On the free lower end of the arm 6 is a laterally-projecting bearing-stud 9, to the end of which is swiveled a head 10, having a slot 11. The slot 11 of the swiveled bearing-head 10 is adapted to receive the flattened trunnion of the roller 3. The bearing-head 10 of the bracket at the other end of the roller (which bracket is not shown) would preferably be provided only with a perforation which would adapt it to receive the round trunnion of the roller.

The numeral 12 indicates a depending rod, the upper end of which is secured to the supporting-bearing 4 by solder or other suitable means, and the lower end of which is turned outward and then upward, so that it is adapted to support a curtain-rod, (not shown,) which may be either an extensible rod or a non-extensible rod.

One object of this invention is to provide a supporting-bracket of the character indicated which can be applied to the window casing or frame in the process of erection of the latter and which cannot be removed by tenants or other persons without removing portions of the window casing or frame. In the construction illustrated in Figs. 1 to 3, inclusive, this is accomplished by providing the bearing 4 with a flange 13, that extends over the top of the corner-block or cap 2 and is then turned downward and countersunk into the back of

the said block. A screw 14, passed through the depending countersunk portion of the flange 13 and screwed into the block 2, securely holds the bearing 4 in working position; but, if desired, screws may be also passed through the upper portion of said flange 13 and into the upper portion of said block 2.

In the construction illustrated in Figs. 4 to 6, inclusive, short bolts 15, having smooth heads at their outer ends, are passed inward through the bearing 4 and the block 2 and are provided at their inner ends with nuts 16, that are countersunk into the back of said block.

In both of the constructions described the bearings 4 are so held in position that they cannot be removed without first removing the corner-block or cap 2, and, as already stated, the arms 6 cannot be detached from the said bearings while the latter are held to the said block or cap 2.

When it is desired to secure the bracket to a window casing or frame which has already been erected, this may be easily done by substituting screws for the bolts 15 to secure the bearing 4 (illustrated in Figs. 1 to 6, inclusive) to the corner-block 2 or other portion of the window-frame.

The depending arm 6 is capable of a very considerable oscillatory adjustment transversely of the window-frame to adapt the pair of brackets to support curtain-rollers that vary a great deal in length. When the arm 6 is thrown into an angular position with respect to a vertical, as shown by dotted lines in Fig. 1, the swiveled bearing-heads 9 should be turned with respect thereto, so that their elongated outer ends will always stand vertical and at a right angle to the axis of the roller. Otherwise the perforated head would

not properly engage with the adjacent trunnion of the shade-roller.

The bracket described, while of comparatively small cost, is extremely durable, is capable of a large range of adjustment, and is in every way extremely satisfactory for the purposes had in view. From what has been said it will be understood that the said device is capable of modification within the scope of my invention as herein set forth and claimed.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. In a bracket of the character described, the combination with a bearing held in position by a portion of the window-frame and irremovable therefrom without a dismantling of the said window-frame, a supporting-arm pivoted to said bearing and in turn irremovably held in position, by said bearing, and a bearing-head on the free end of said arm, adapted to receive one of the trunnions of a shade-roller, substantially as described.

2. The combination with a supporting-bearing 4, having an offset ear 5, and means for securing said bearing to a window-frame and irremovable therefrom, without a dismantling of the said window-frame, of the supporting-arm 6 pivoted to said ear 5 by a nutted bolt 7 8, the said ear 5 being so spaced from the window-frame, as not to allow the said bolt 7 to be removed therefrom, and a supporting-head 9 swiveled to the free end of said arm 6, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM S. NEAD.

Witnesses:

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F. D. MERCHANT.