

No. 790,946.

PATENTED MAY 30, 1905.

F. S. WILLIAMS & W. C. SILLIMAN.
ADJUSTABLE FIXTURE FOR WINDOW SHADES.

APPLICATION FILED DEC. 9, 1904.

Fig. 1.

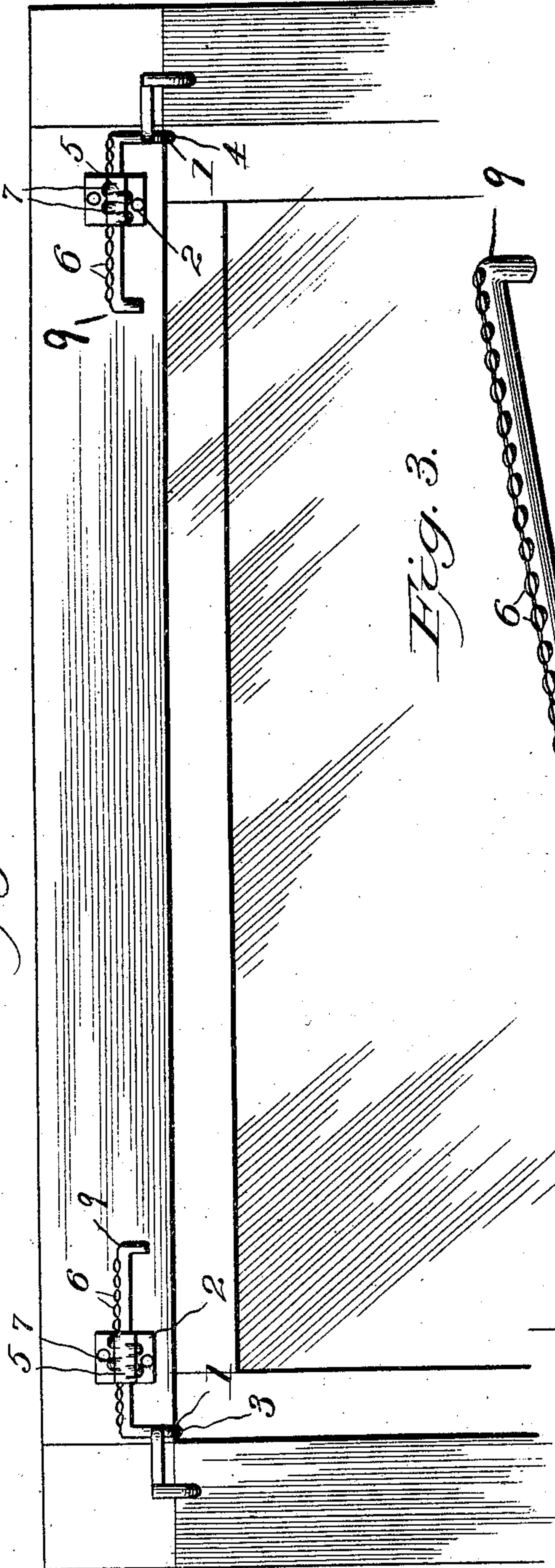


Fig. 3.

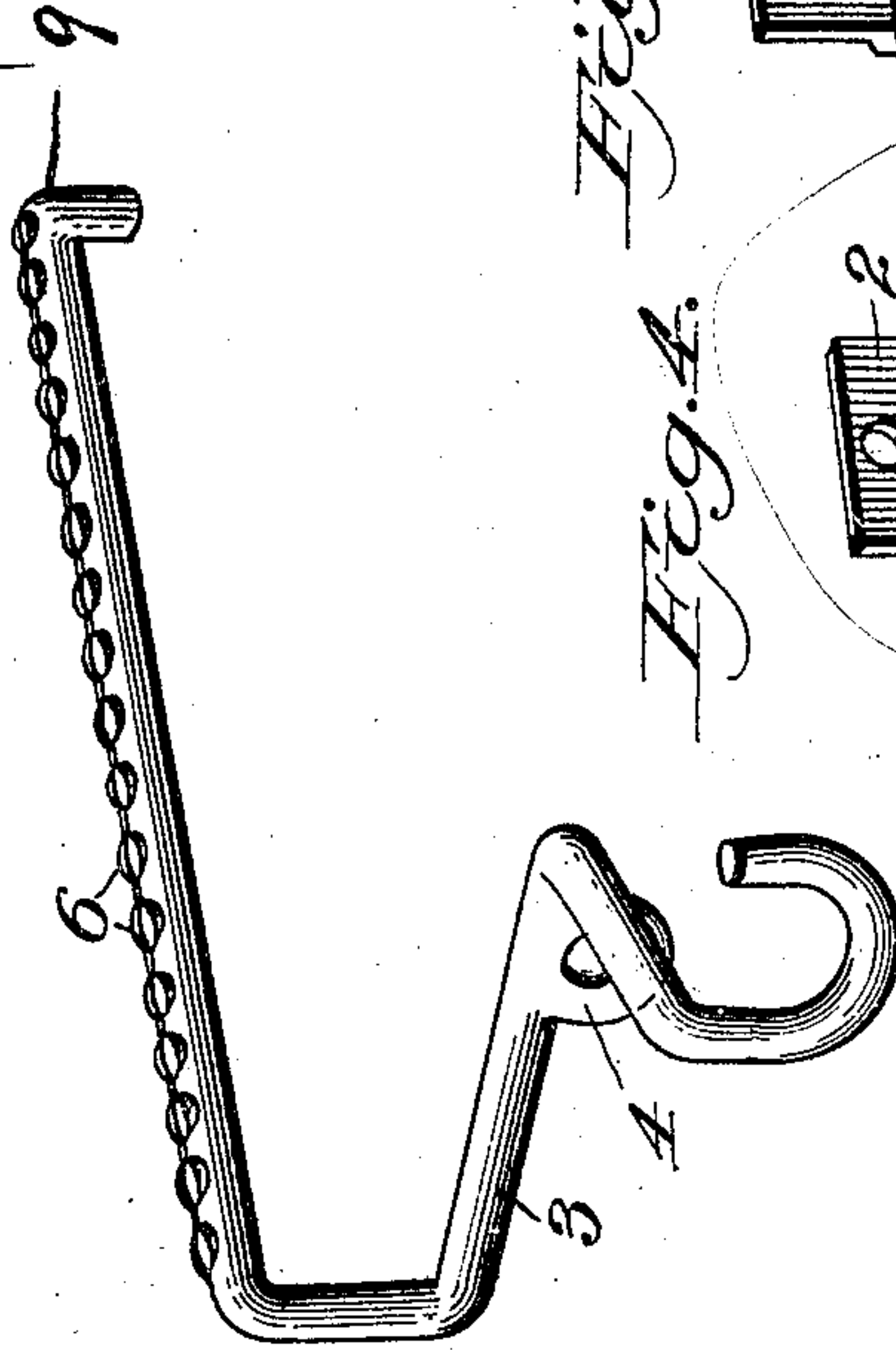


Fig. 2.

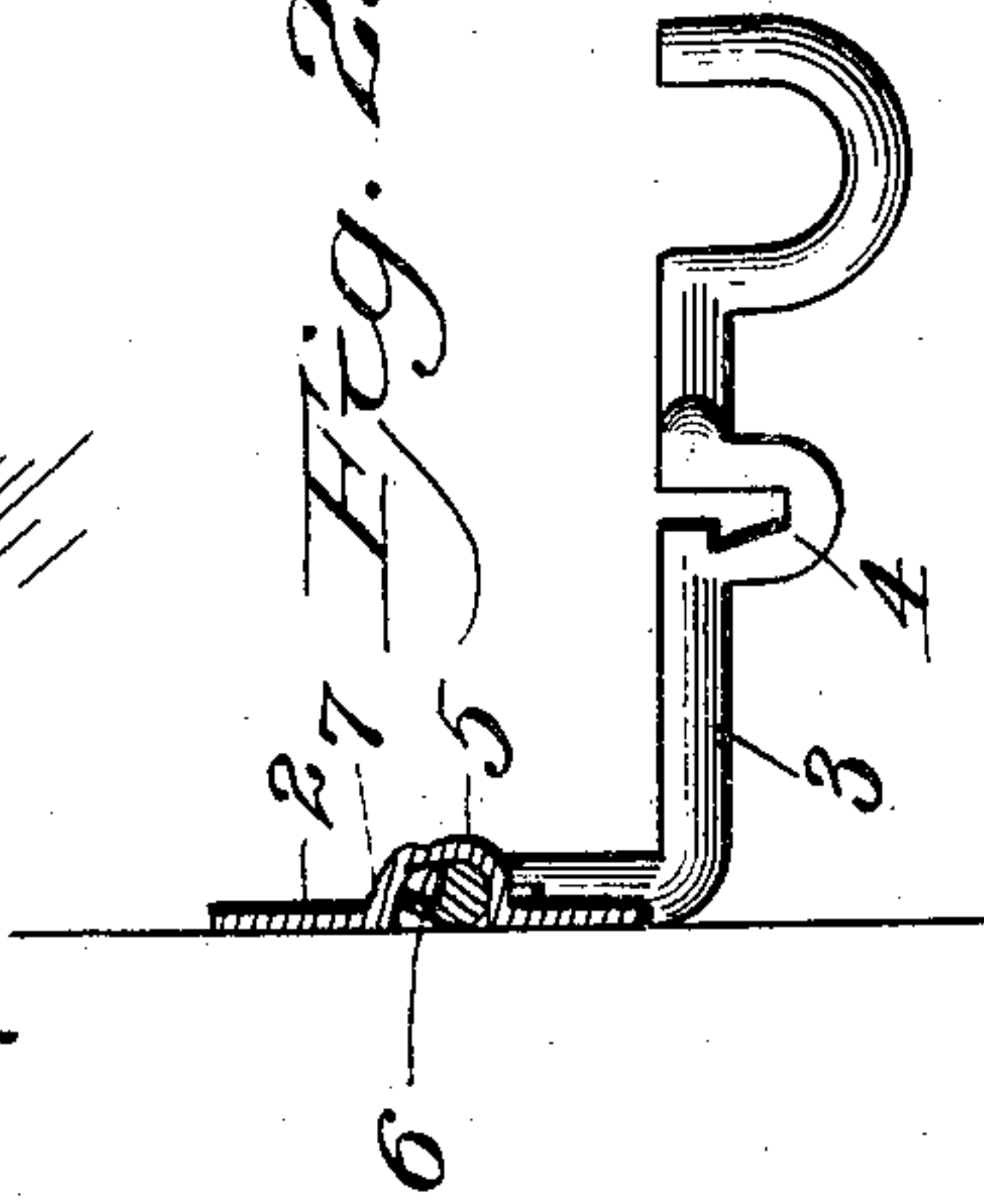


Fig. 5.

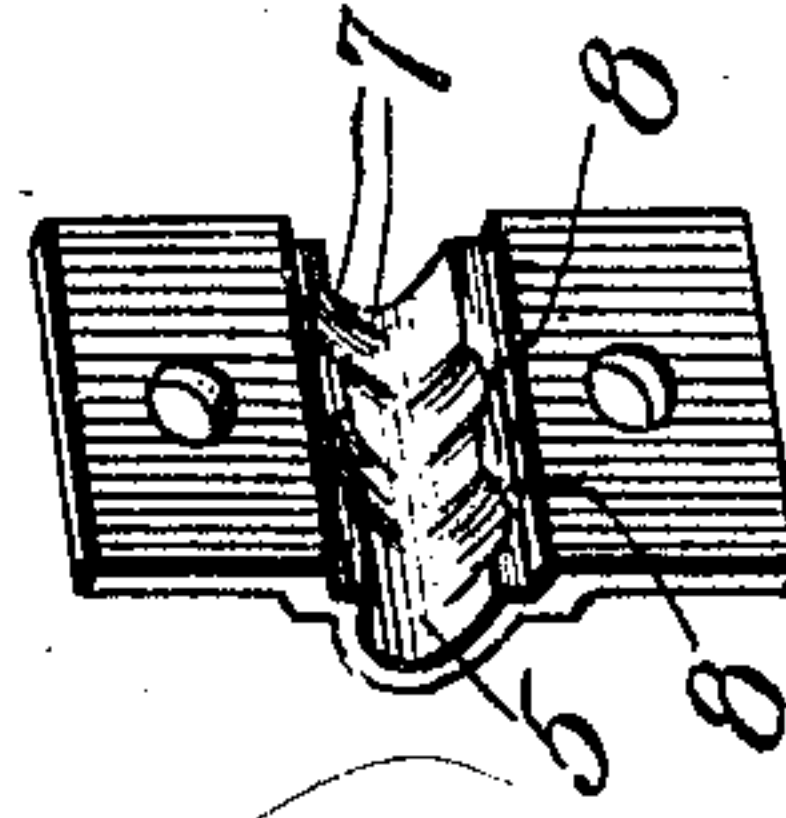
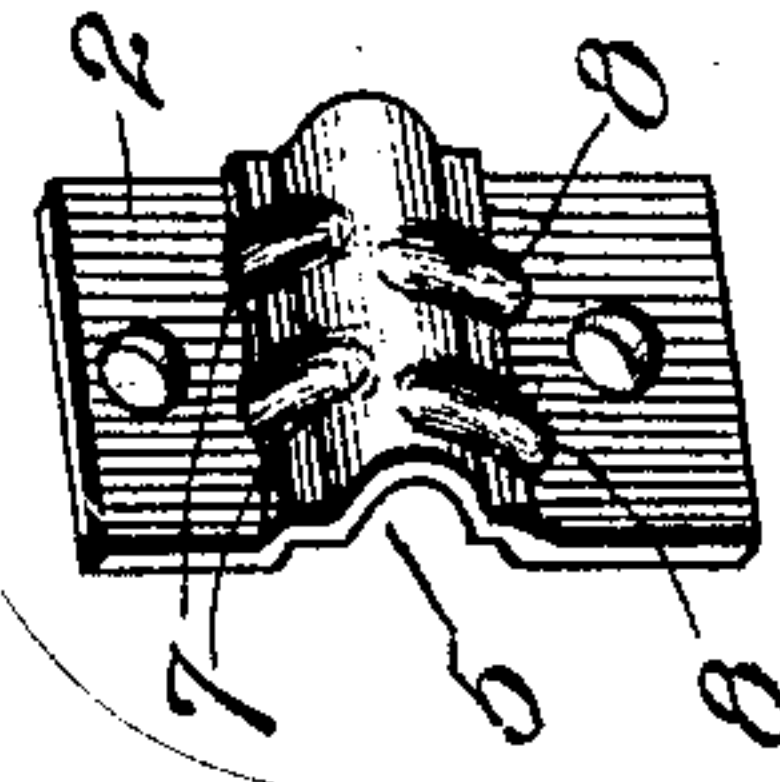


Fig. 4.



Witnesses

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FRED S. WILLIAMS AND WARD C. SILLIMAN, OF ROME, NEW YORK.

ADJUSTABLE FIXTURE FOR WINDOW-SHADES.

SPECIFICATION forming part of Letters Patent No. 790,946, dated May 30, 1905.

Application filed December 9, 1904. Serial No. 236,223.

To all whom it may concern:

Be it known that we, FRED S. WILLIAMS and WARD C. SILLIMAN, citizens of the United States, residing at Rome, in the county of Oneida and State of New York, have invented a new and useful Adjustable Fixture for Window-Shades; and we 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.

The invention relates to an adjustable fixture for window-shades, and has for its object to improve the construction of window-shade fixtures and to provide an exceedingly simple device of great strength and durability capable of being readily manufactured at a very low cost.

A further object of the invention is to provide a window-shade fixture adapted to be quickly applied to a window and capable of ready adjustment to accommodate window-shades having spring-rollers of different lengths.

Another object of the invention is to dispense with spring-actuated and various other forms of pivoted locking devices which are liable to get out of use and to provide simple means for enabling an adjustable bracket to be firmly locked in its adjustment by the weight of the window-shade, whereby the bracket will be effectually prevented from becoming accidentally released when in use.

With these and other objects in view the invention consists in the construction and novel arrangement of parts hereinafter described and shown, and particularly pointed out in the appended claims.

In the drawings forming part of this specification, and in which like numerals of reference designate corresponding parts, Figure 1 is an elevation of a portion of a window provided with adjustable window-shade fixtures constructed in accordance with this invention.

Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail perspective view of one of the brackets. Fig. 4 is a detail perspective view showing the front of the casing. Fig. 5 is a similar view showing the rear face of the casing.

Referring to the drawings, 1 1 designate adjustable brackets designed to be located at opposite sides of a window, as illustrated in Fig. 1 of the drawings, and adapted to receive the journals of an ordinary shade-roller. Each of the brackets is constructed of a single piece of rod metal and is arranged within a casing 2, constructed of sheet metal or other suitable material. The bracket consists of a ratchet-bar and an approximately L-shaped arm 3, extending outward from the outer end of the ratchet-bar and consisting of a depending substantially vertical portion and a projecting horizontal portion, which terminates in a head 4, having an opening to receive the journal of the shade-roller. The opening of one of the heads is round, and the other head is provided with a polygonal slot for the reception of the journal which is connected with the spring of the shade-roller. The depending vertical portions of the L-shaped arms of the brackets offset the shade-roller from the casings and enable the shade-roller, with its window-shade, to fit more snugly to the window frame or casing. The ratchet-bar, which is arranged within a transversely-disposed horizontal groove 5 of the casing, is provided at its top with a longitudinal series of substantially segmental projections or teeth 6, formed by stamping segmental recesses or indentations in the front or outer face of the ratchet-bar, and these projections or teeth, which are thrown forward by the downward movement of the arm of the bracket, are adapted to interlock with corresponding indentations 7 of the inner face of the casing. The indentations 7 are formed at the top of the groove of the casing, and in order to render the latter reversible to enable it to be used at either side of the window it is also provided at its bottom with similar indentations 8. The indentations 7 and 8 at the top and bottom of the groove or bend of the casing are arranged at intervals and those at the bottom are located opposite the spaces between the indentations at the top of the casing, the said indentations being alternately arranged, as clearly shown in Figs. 4 and 5 of the drawings. When it is desired to move the ratchet-bar longitudinally for adjusting

the bracket, the outwardly-extending arm is swung upward, thereby partially rotating the ratchet-bar and carrying the projections or teeth rearward out of the indentations. This 5 permits the ratchet-bar to slide freely, and as soon as the arm is released it will drop back and carry the projections or teeth automatically into engagement with the indentations of the casing.

10 The casing is provided with perforations for the reception of suitable fastening devices for the purpose of securing it to the window frame or casing, and the inner end of the ratchet-bar is bent at an angle to form a stop 9 for limiting the outward movement of the ratchet-bar 15 from being wholly withdrawn from the casing.

What we claim is—

1. A device of the class described comprising a casing provided on its interior with in- 20 dentations, and an adjustable bracket having a horizontally-disposed ratchet-bar slidable in the casing, and provided at intervals with projections or teeth fitting in the indentations whereby the ratchet-bar is interlocked with 25 the casing, said ratchet-bar being capable of rotary movement to carry its projections or

teeth into and out of engagement with the indentations, substantially as described.

2. A device of the class described, comprising a sheet-metal casing, having a groove or 30 bend and provided on its interior with indentations stamped in the metal, and a bracket having a ratchet-bar slidable in the casing, and provided with projections or teeth stamped from the metal of the bracket and fitting in 35 the indentations, substantially as described.

3. A device of the class described comprising a reversible casing provided on its interior with upper and lower spaced indenta- 40 tions, and a bracket having a ratchet-bar arranged within the casing, said ratchet-bar being provided with projections or teeth for engaging the indentations of the casing, substantially as described.

In testimony whereof we have hereto affixed 45 our signatures in the presence of two witnesses.

FRED S. WILLIAMS.
WARD C. SILLIMAN.

Witnesses:

DEAN SWIFT,
JNO. T. MEANY.