

No. 721,498.

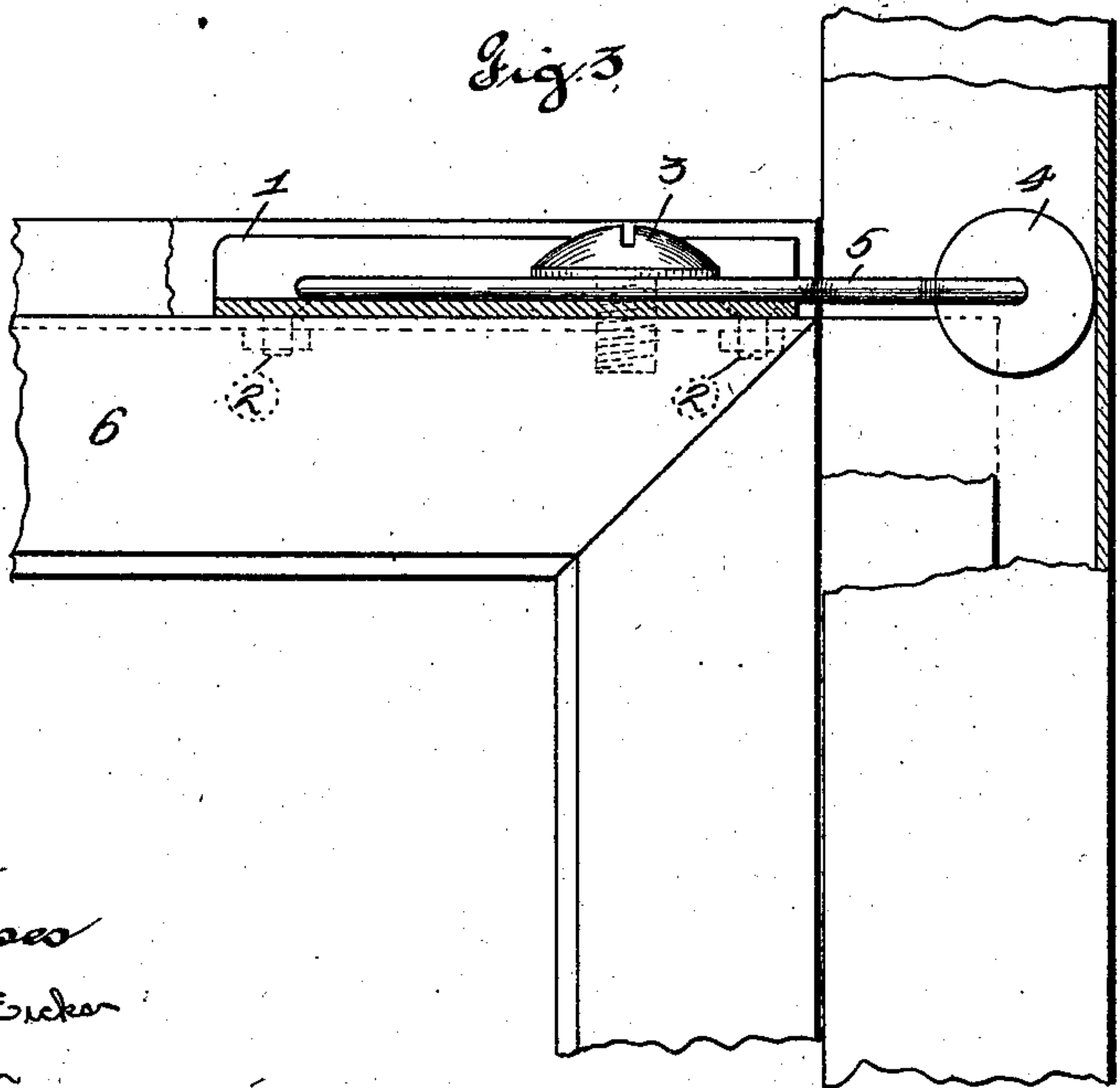
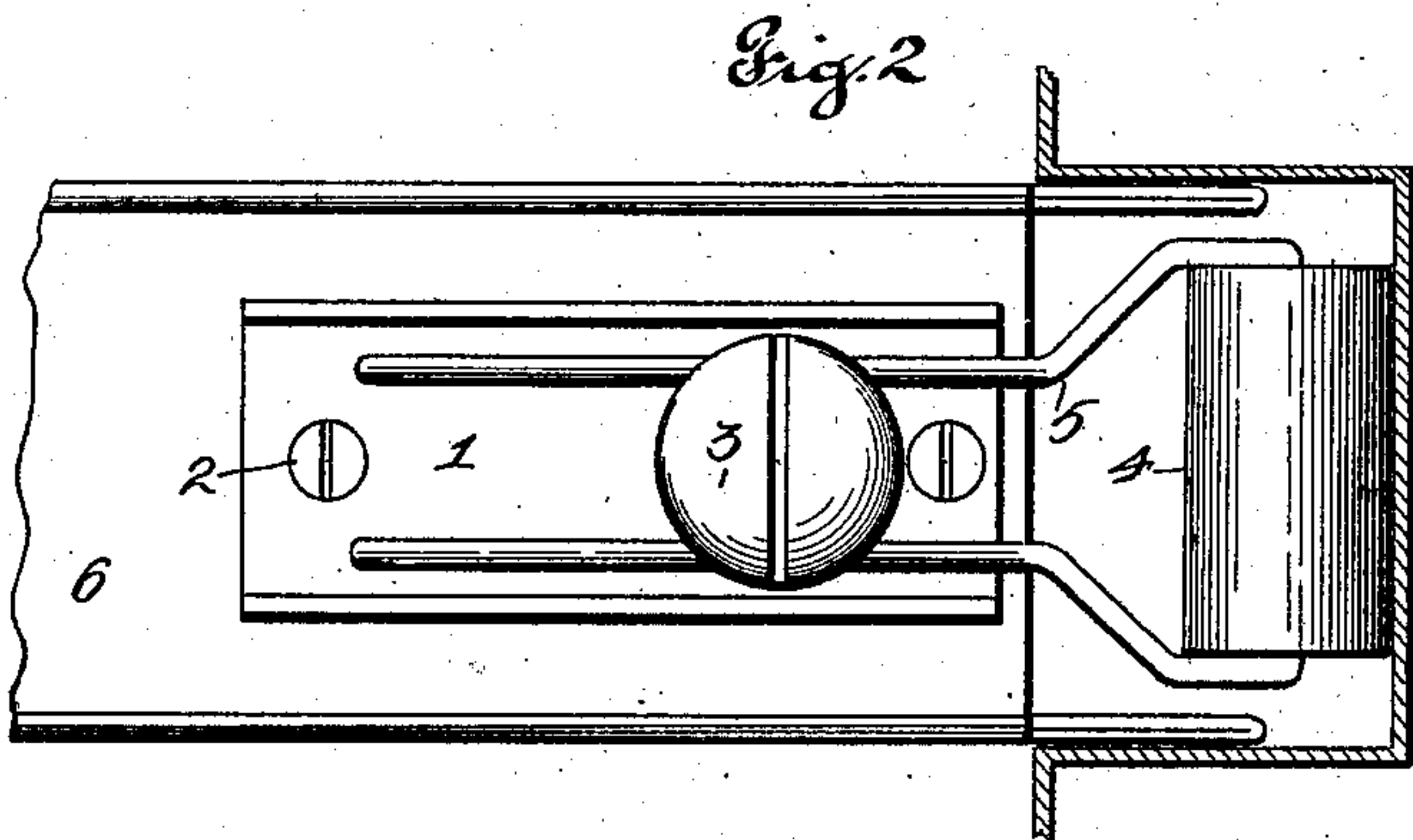
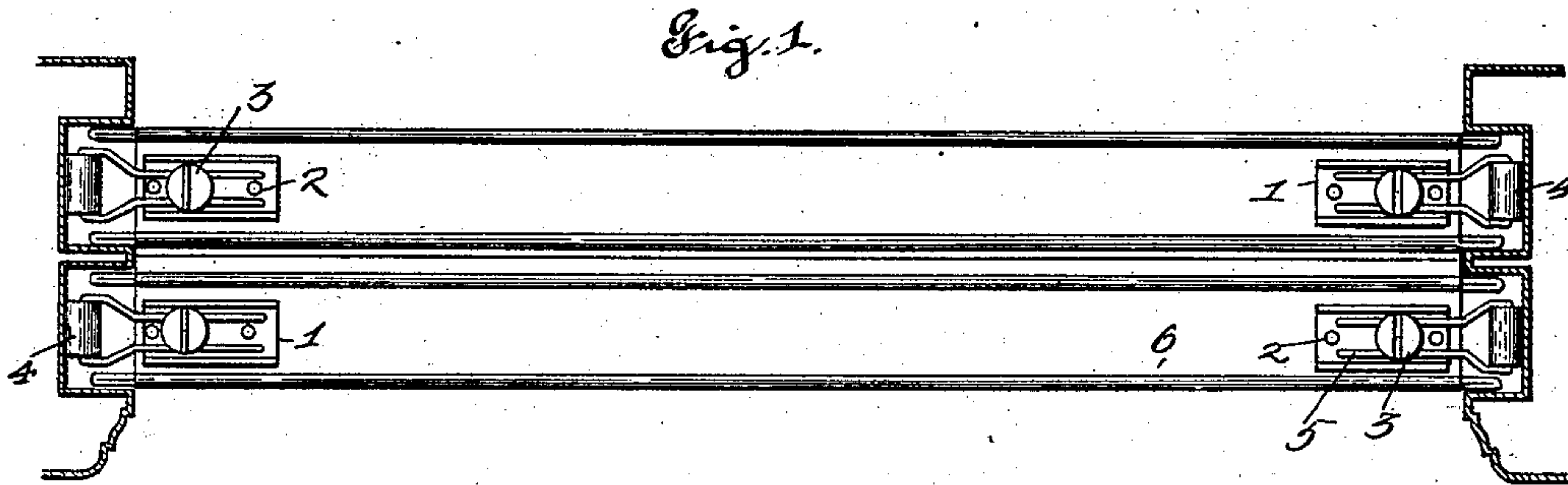
PATENTED FEB. 24, 1903.

J. L. BOYD.

ADJUSTMENT FOR METALLIC WINDOW SASHES AND FRAMES.

APPLICATION FILED OCT. 29, 1902:

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN L. BOYD, OF ST. LOUIS, MISSOURI.

## ADJUSTMENT FOR METALLIC WINDOW SASHES AND FRAMES.

SPECIFICATION forming part of Letters Patent No. 721,498, dated February 24, 1903.

Application filed October 29, 1902. Serial No. 129,225. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN L. BOYD, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Adjustments for Metallic Window Sashes and Frames, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

10 My invention relates to improvements in adjustments for metallic window sash and frames, and has for its object to provide means whereby metallic window-sashes may be adjustably fitted to the metallic frames containing them.

15 My invention consists in the peculiar construction and arrangement of parts herein-after described and claimed and which will be more readily understood by reference to 20 the accompanying drawings, in which—

Figure 1 is a top view of two window-sashes in place, each of which is provided with a pair of the adjustments of my invention. Fig. 2 is an enlarged top view of an adjustment embodying my invention. Fig. 3 is a side view of the same.

My invention is designed to overcome the difficulties attendant upon fitting metallic window-sashes into metallic window-frames in such a manner as to avoid rattling and at the same time to provide against excessive friction between the sash and the frame which will interfere with the sash being readily raised or lowered. To this end I have provided the channeled member 1, which is attached to the tops and bottoms of the window-sashes by means of the bolts 2 and which is provided with the adjusting-screw 3. A roller 4 is provided, which may be constructed of any desired material and which is mounted upon the slidingly-adjustable member 5,

which is bent in the form shown in Figs. 1 and 2, terminating in two parallel prongs, which lie upon the face of the channel 1 and are held in position by the adjusting-screw 3 45 in such a manner that they may be readily adjusted laterally by loosening the screw 3 and tightening it when the member 5 is in the desired position.

Where it is desired to prevent the channeled member 1 and the screw 3 from coming in contact with the top and bottom of the frame wherein the sash is mounted, the frame-surface 6 may be provided with a depression sufficiently deep to admit the channeled member 1. 55

Having thus described my invention, what I claim as new, and desire to have secured to me by the grant of Letters Patent, is—

1. A device of the class named, consisting of a roller mounted upon a pronged bearer carried by a channeled member, the channeled member being fastened horizontally on a metallic window-sash being provided with a screw adapted to hold the prongs of the 65 bearer in position when adjusted, substantially as and for the purposes specified.

2. A device of the class named, consisting of a channeled member provided with an adjusting-screw, a roller, and a pronged member carrying the roller and adapted to be laterally adjusted and fastened within the channeled member by means of the adjusting-screw, the device being adapted to be fastened horizontally on a metallic window-sash, substantially as and for the purposes specified. 75

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

JOHN L. BOYD.

Witnesses:

ALFRED A. EICKS,  
JAMES L. HOPKINS.