

No. 798,535.

PATENTED AUG. 29, 1905.

A. E. SIMMS.
METAL BED RAIL JOINT.
APPLICATION FILED FEB. 25, 1905.

Fig. 1.

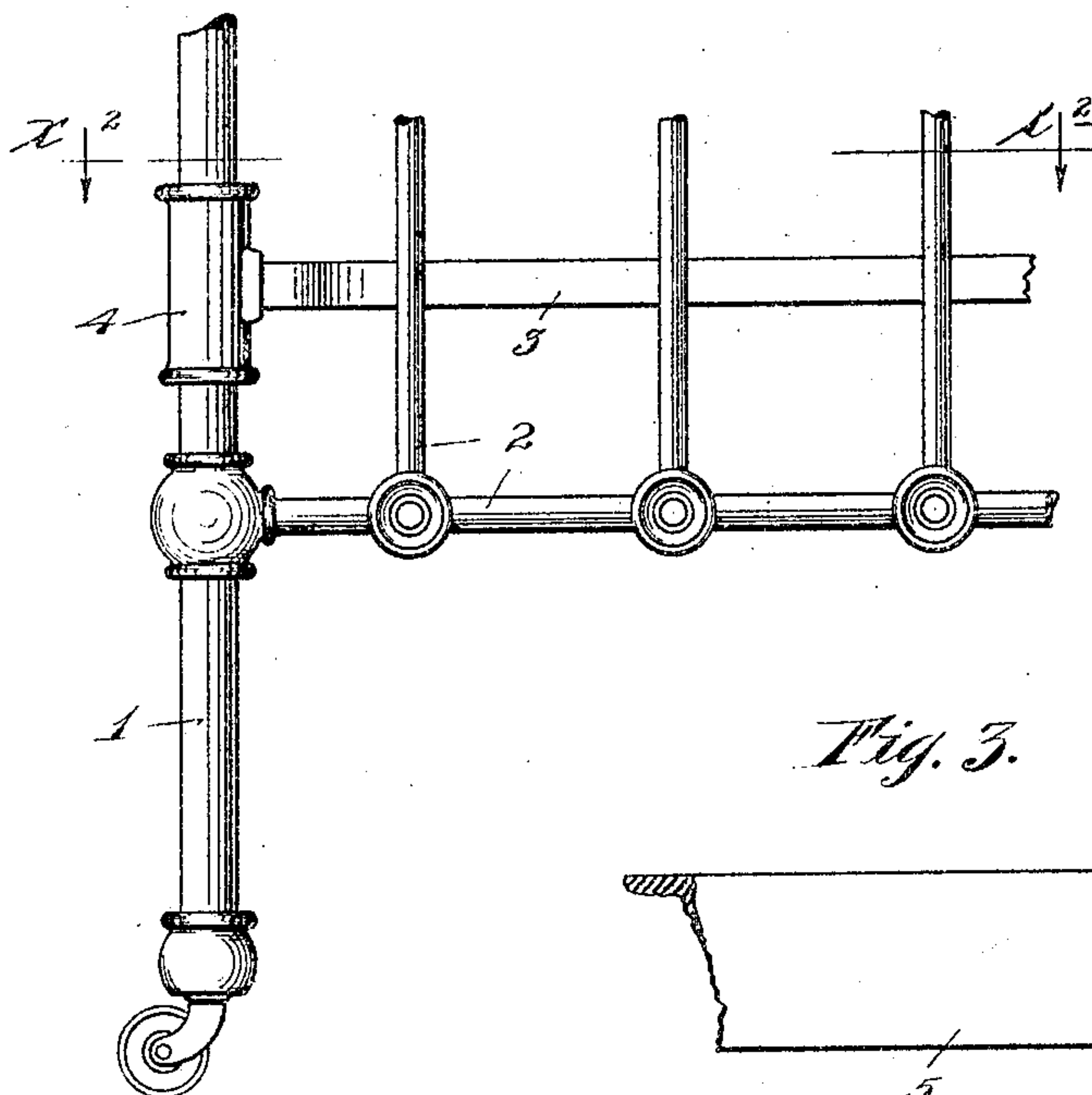


Fig. 3.

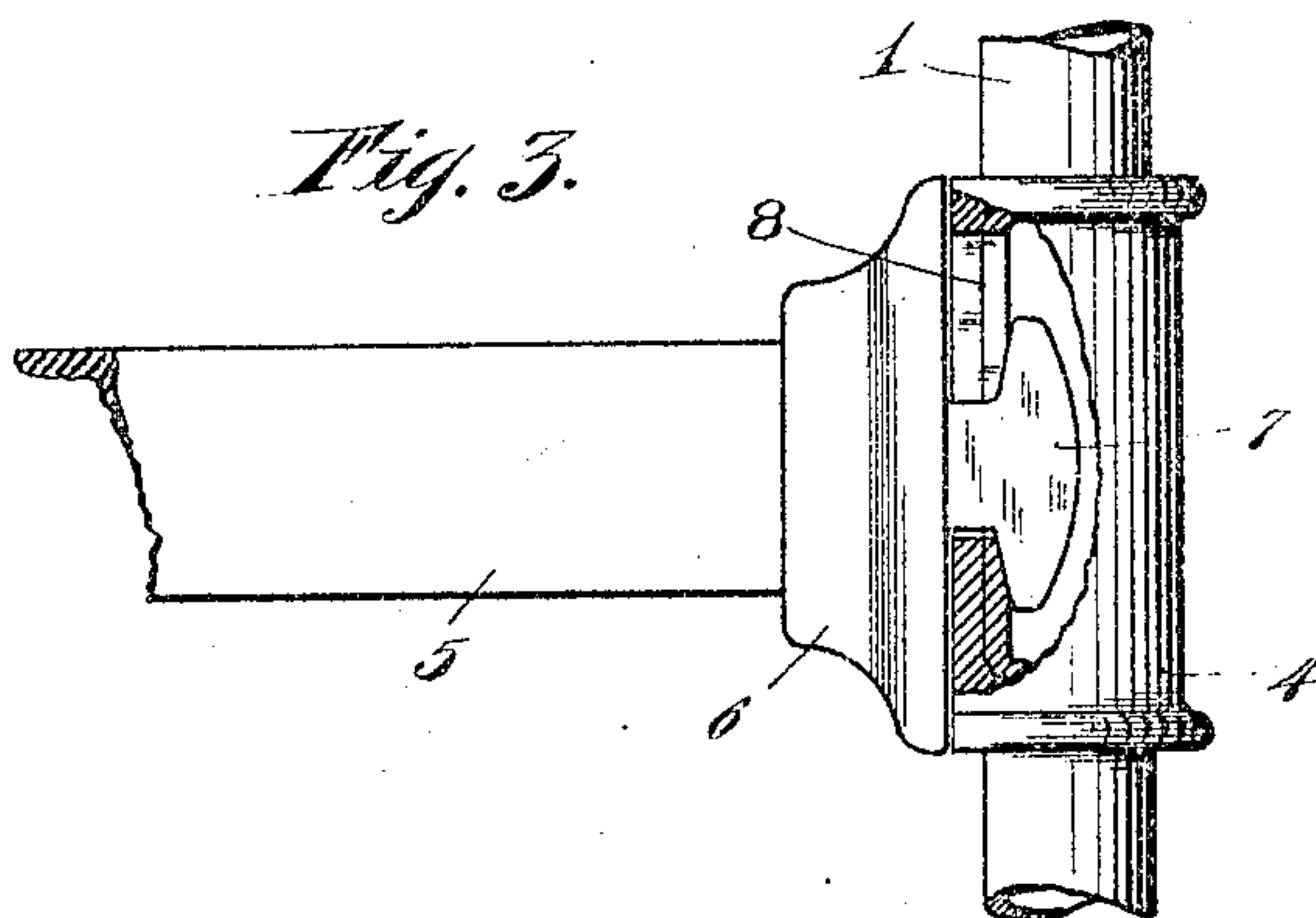
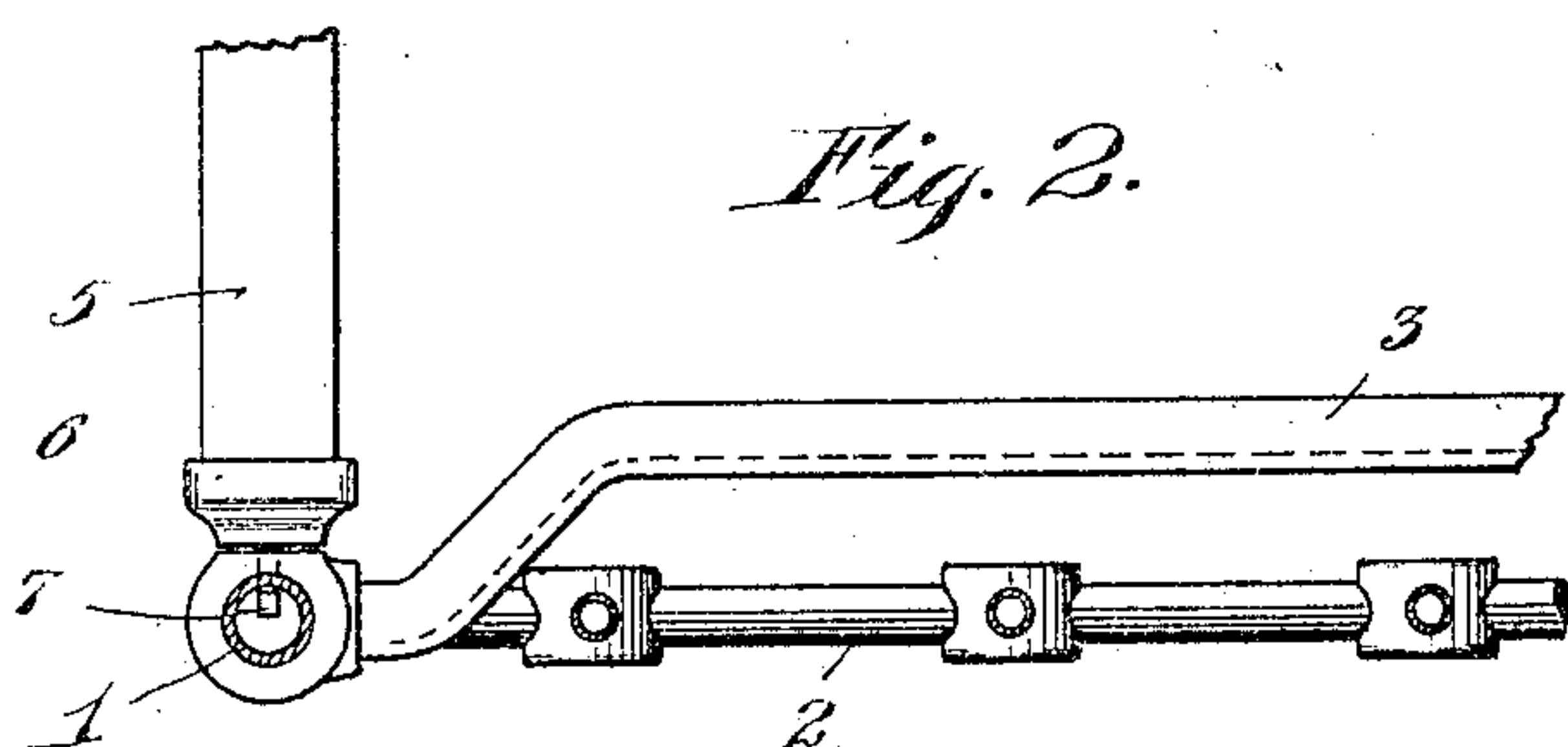


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

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METAL-BED RAIL-JOINT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT E. SIMMS, 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 Metal-Bed Rail-Joints; 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 iron bedsteads, and has for its object to improve the same in the several particulars hereinafter noted.

My 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 rear elevation showing a portion of an iron bedstead designed in accordance with my invention. Fig. 2 is a horizontal section on the line $\alpha\alpha^2$ of Fig. 1 with parts being broken away; and Fig. 3 is a detail in side elevation showing a portion of one of the bed-posts and a portion of one of the rails, said parts being connected in accordance with my invention.

The numeral 1 indicates one of the tubular corner-posts, preferably of wrought-iron pipe.

The numeral 2 indicates the skeleton foot-bracket of the bedstead, which is formed of rigidly-connected rods and extends in the transverse vertical plane of the two rear posts of the bedstead.

The numeral 3 indicates the fixed transverse rail of the bedstead, preferably formed of angle-iron and rigidly and permanently connected at its ends to sleeves 4, cast onto and around the rear posts. In accordance with one feature of my invention this end rail 3 near its ends is bent inward, so that the body thereof lies in a vertical plane far enough inward from the end bracket 3 to permit the bedclothes to be dropped downward between the same, thereby covering up the said end rail.

The numeral 5 indicates one of the detachable side rails, which is also preferably constructed of angle-iron and onto the end of which is cast a bearing-block 6. This block 6 is provided with a vertically-extended T-shaped head 7, preferably formed of flat steel, the neck of which is cast into said block 6.

To receive the head 7, the sleeve 4 and the tubular post 1 are formed with coincident vertically-extended slots 8, through which the elongated portion of said head 7 is adapted to be freely passed when the rail 5 is raised. When the head 7 is inserted through the slot 8 into the interior of the tubular post 1 and is pressed downward, as shown in Fig. 3, the lower portion thereof engages with a wedging action with the inner surface of the post 1, and the face of the block 6 is tightly pressed against the flattened face of the sleeve 4, thus rigidly securing the rail 5 to the said post 1. As is evident, the said rail 5 may be secured as above described, either with one flange turned vertically downward, as shown in Fig. 3, or with one flange turned upward. In other words, the said rail is a reversible rail. As is further evident, with the arrangement described the hollow post is caused to reinforce the cast sleeve 4, since the strain transmitted through the head 7 is directly applied to the said post.

It will of course be understood that the construction described 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 an iron bedstead, the combination with a corner-post having a sleeve rigidly secured thereon, said post and sleeve having coincident vertically-extended slots, of a detachable side rail having a vertical elongated head spaced apart from the end of said rail, and insertible into said post through said extended slots and engageable with the interior of the post to clamp the end of said rail against the exterior of said sleeve, substantially as described.

2. In an iron bedstead, the combination with a tubular post 1, having a sleeve 4 cast thereon, said sleeve and post having vertically-extended coincident slots 8, of the detachable rail 5, having cast thereon a bearing-block 6 provided with the vertically-extended T-shaped head 7, insertible through said slots 8, and engageable with the interior of said post, substantially as described.

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

ALBERT E. SIMMS.

Witnesses:

ROBERT C. MATEY,
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