

G. B. PETTIT.
BED JOINT.

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1,154,803.

Fig. 1.

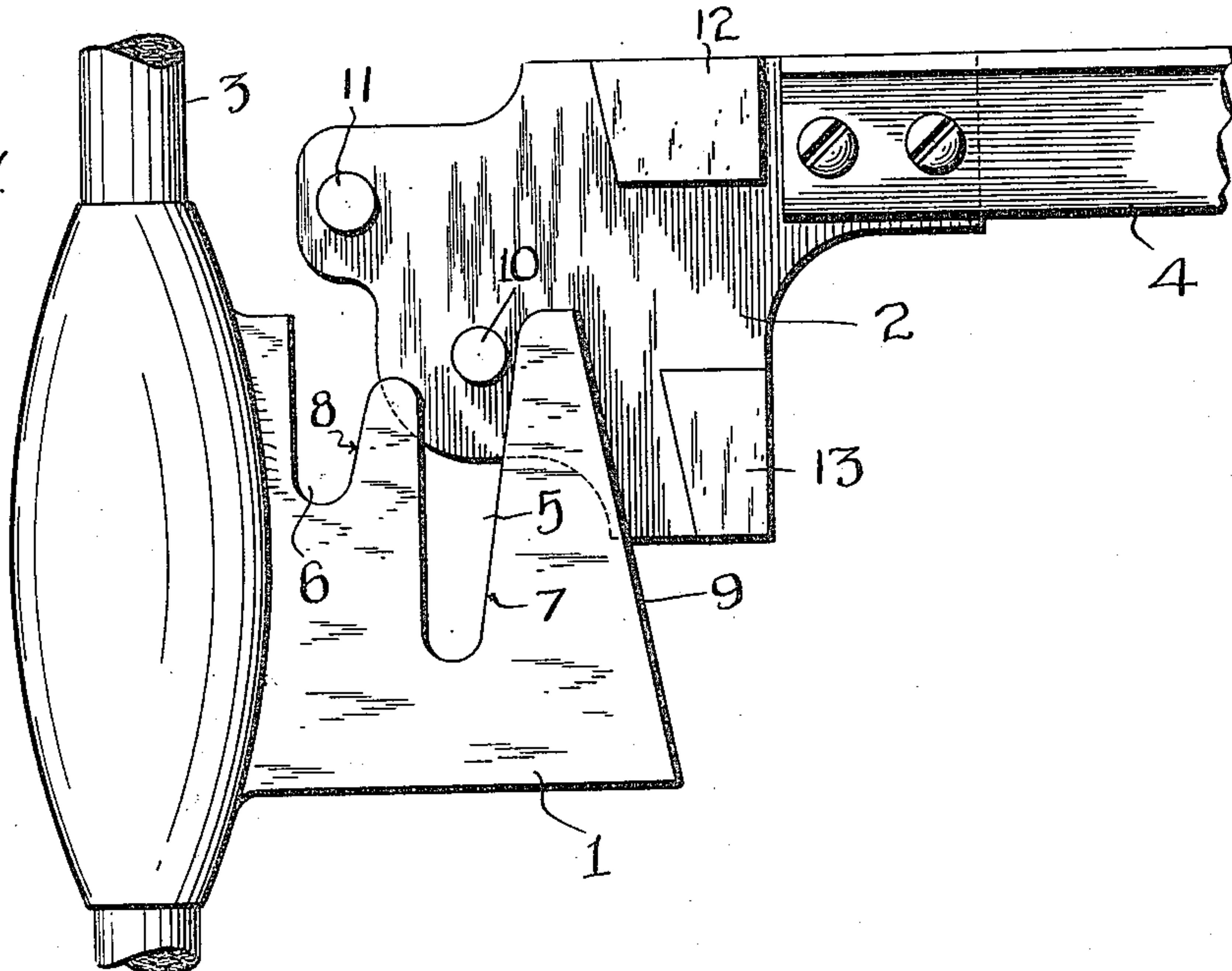


Fig. 2.

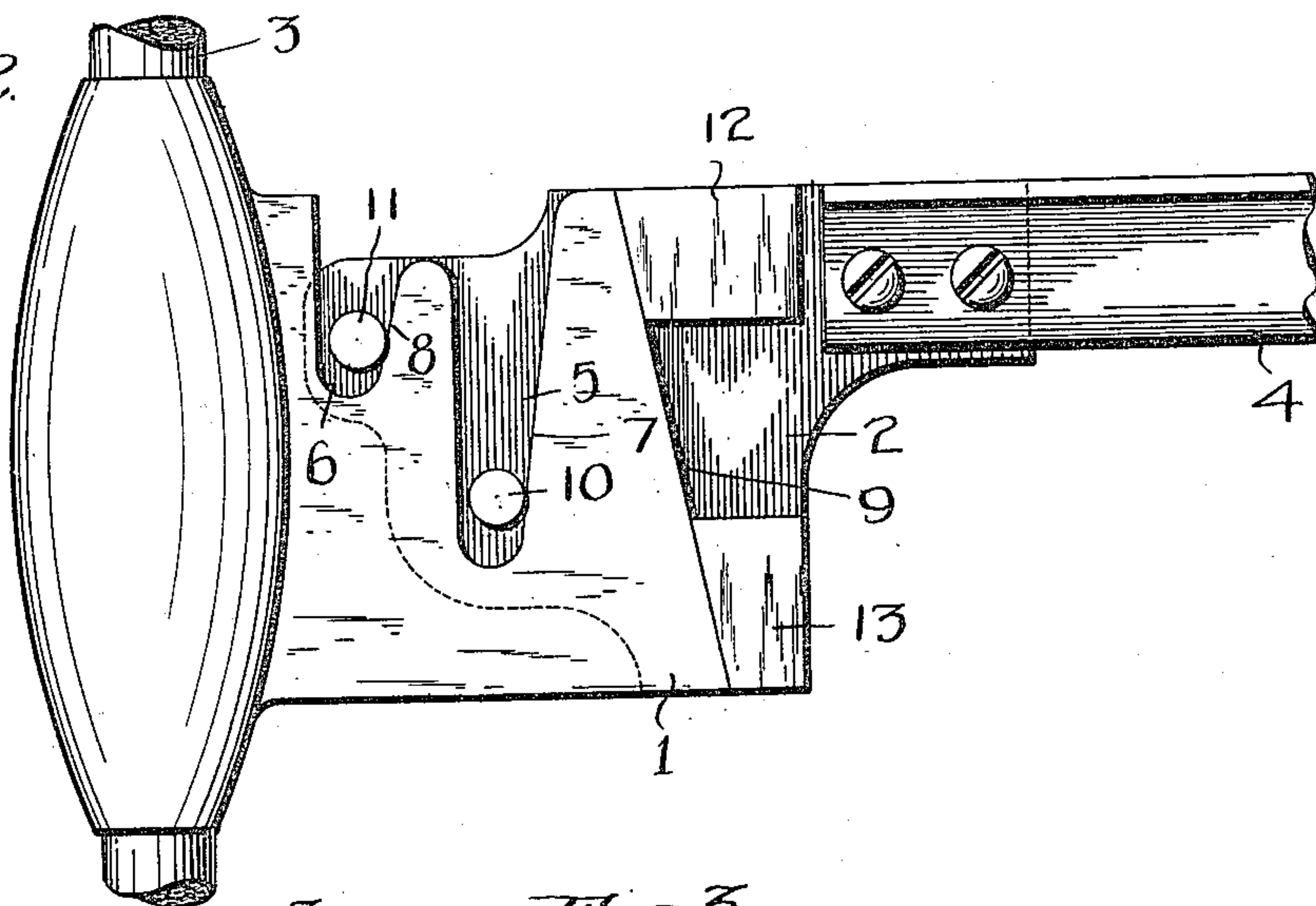
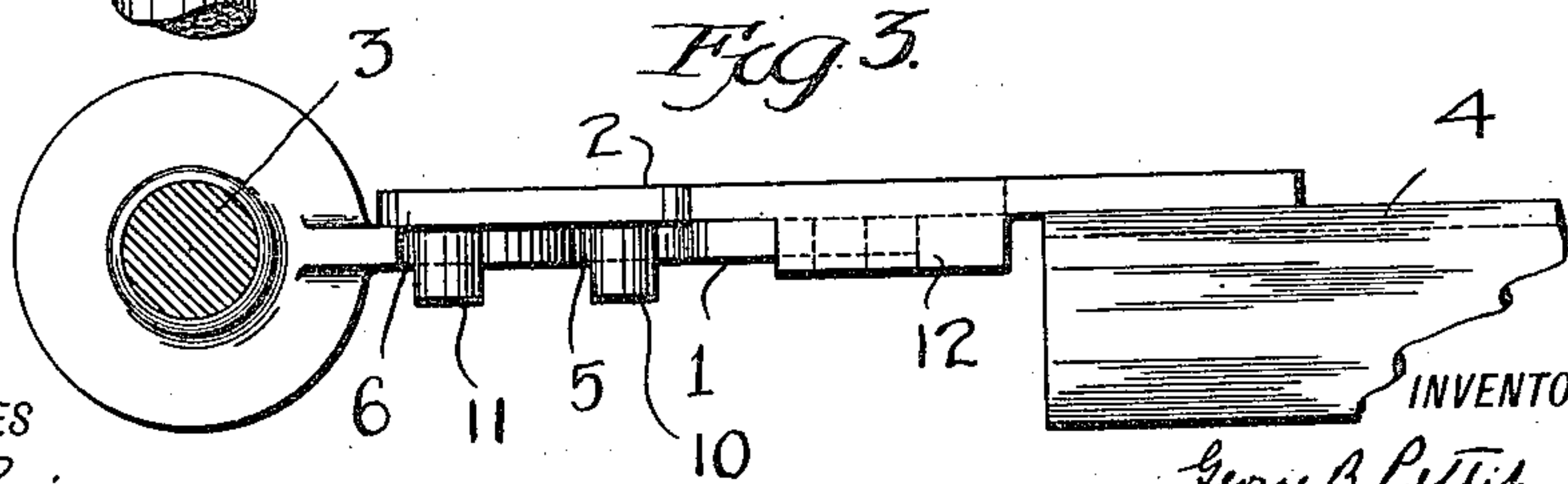


Fig. 3.



WITNESSES

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BED-JOINT.

1,154,803.

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To all whom it may concern:

Be it known that I, GEORGE B. PETTIT, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Bed-Joints, of which the following is a specification.

This invention relates to bed joints, and the object is to provide an extremely strong and rigid construction, affording wedging bearing at a plurality of horizontally and vertically spaced points and enabling the side pieces to be dropped directly into place and removed vertically upward.

In the accompanying drawings illustrating the invention: Figure 1 is a fragmentary side elevation of a corner of the bed, showing the members of the joint somewhat separated; Fig. 2 is a similar view, showing the joint assembled; and Fig. 3 is a plan of Fig. 2.

The two plates or members of the joint 1 and 2 are applied, respectively, to the bed post 3 and side rail 4, as is customary. The joint shown is designed more particularly for a three-piece bed, the side rail being a part of the mattress frame, but by slight modification the construction could be made suitable for beds having separate side rails.

The plate 1 has two recesses 5 and 6 extending downward from its top and spaced horizontally from each other, the recess 6 nearer the post being of substantially less depth than the other, thereby avoiding undue weakening of the plate. The function of these recesses is to afford oblique wedging surfaces 7 and 8 extending downward and inward, toward the post, the said surfaces forming the outer sides of the recesses. The end face 9 of the plate extends obliquely in the reverse direction.

The plate 2 has two laterally projecting pins 10 and 11, which are spaced horizontally and at different heights and bear against the wedging surfaces 7 and 8, respectively, and top and bottom shoulders 12

and 13 having oblique faces which bear against the face 9 and are located above and below the levels of the pins 10 and 11, respectively. The support of the side bar is thus secured by four points of wedging contact, all of which are spaced from each other in the horizontal sense, and also disposed at different heights, the construction involving two parallel inclined surfaces spaced in the direction of the length of the side rail and a reversely inclined surface, on which surfaces the side rail member of the joint is wedged by its pins and shoulders. In this way great rigidity and strength are secured, together with convenience in assembling and disassembling, since the side rail has only to be dropped or lifted straight up. It will be noted that the pins do not bear against the inner or post-ward sides of the recesses 5 and 6, nor do they touch the bottoms of the recesses, but come to a bearing on the faces 7 and 8 above their lower ends. The clearances thus afforded below the pins may be utilized for prying the joint apart by means of a suitable implement.

What is claimed as new is:

A bed joint comprising a post member comprising a plate having horizontally spaced recesses extending downward from its top to different depths, and having their outer sides inclined downward and inward toward the post, the recess nearer the post being of substantially less depth than the outer recess, the outer end of the plate being inclined in the reverse direction, in combination with a side rail member having pins spaced horizontally and at different heights to bear against the inclined sides of the recesses, and spaced shoulders having inclined faces to bear against said inclined end face of the plate.

Dated, December 10th, 1914.

GEORGE B. PETTIT.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."