

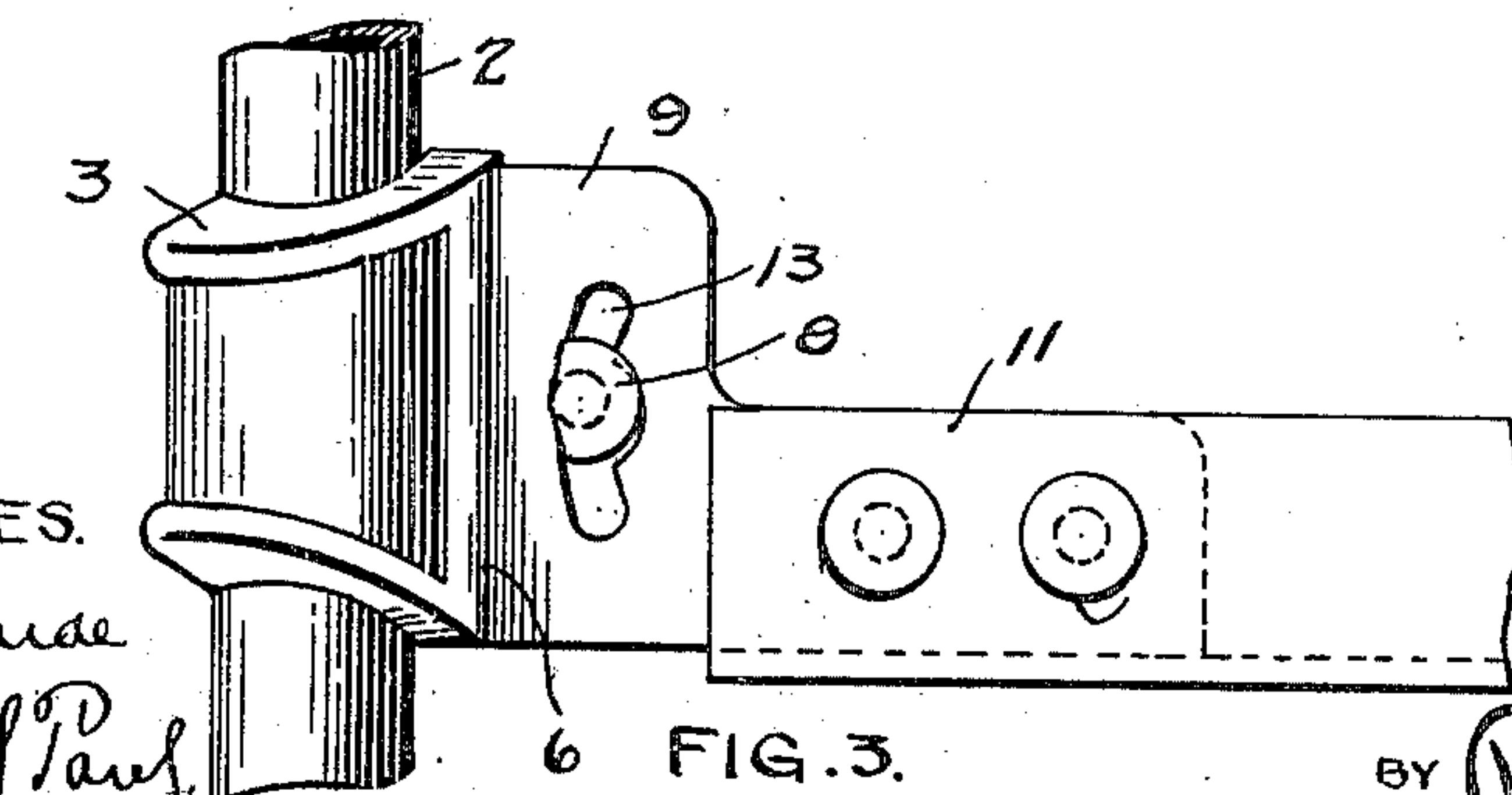
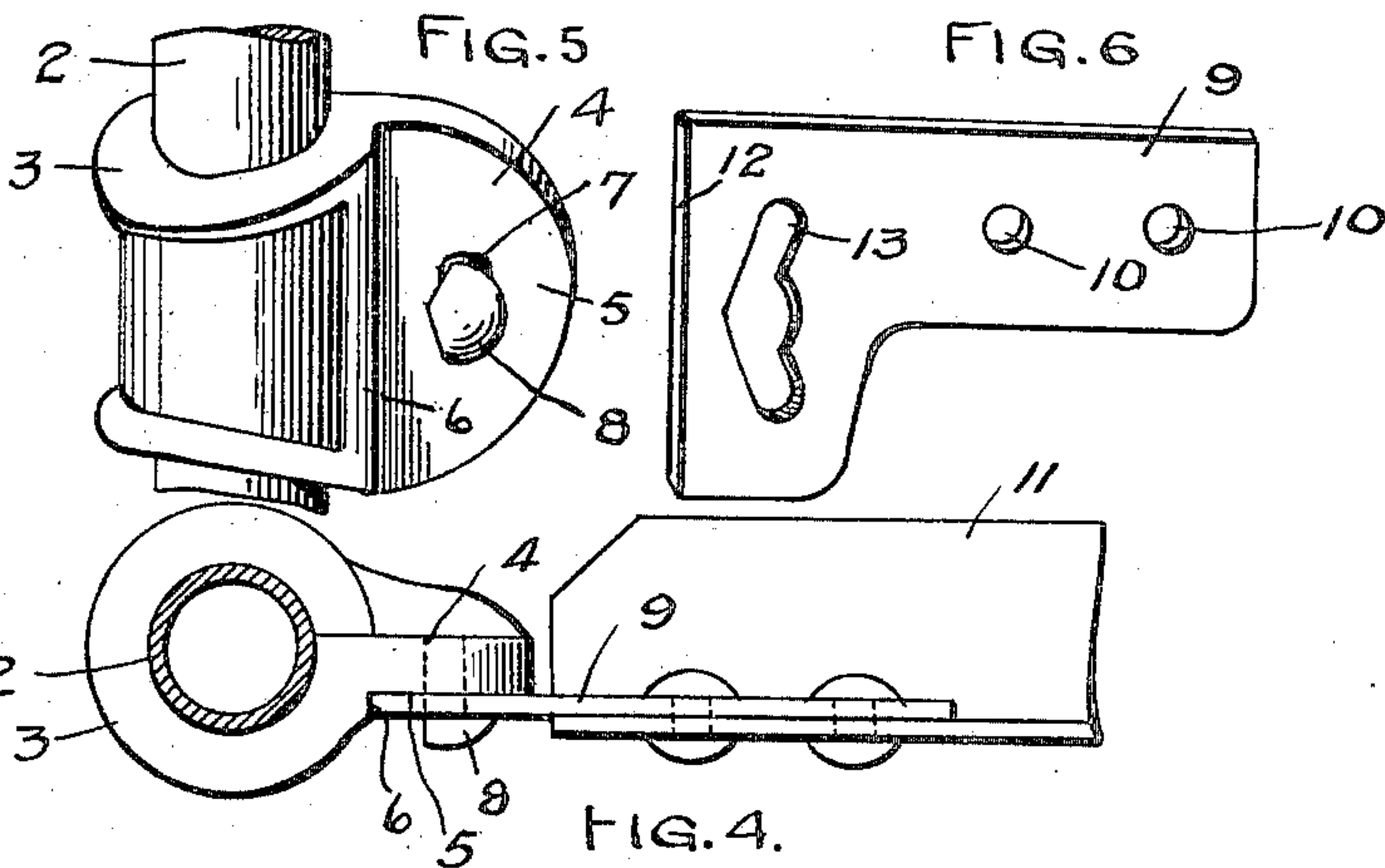
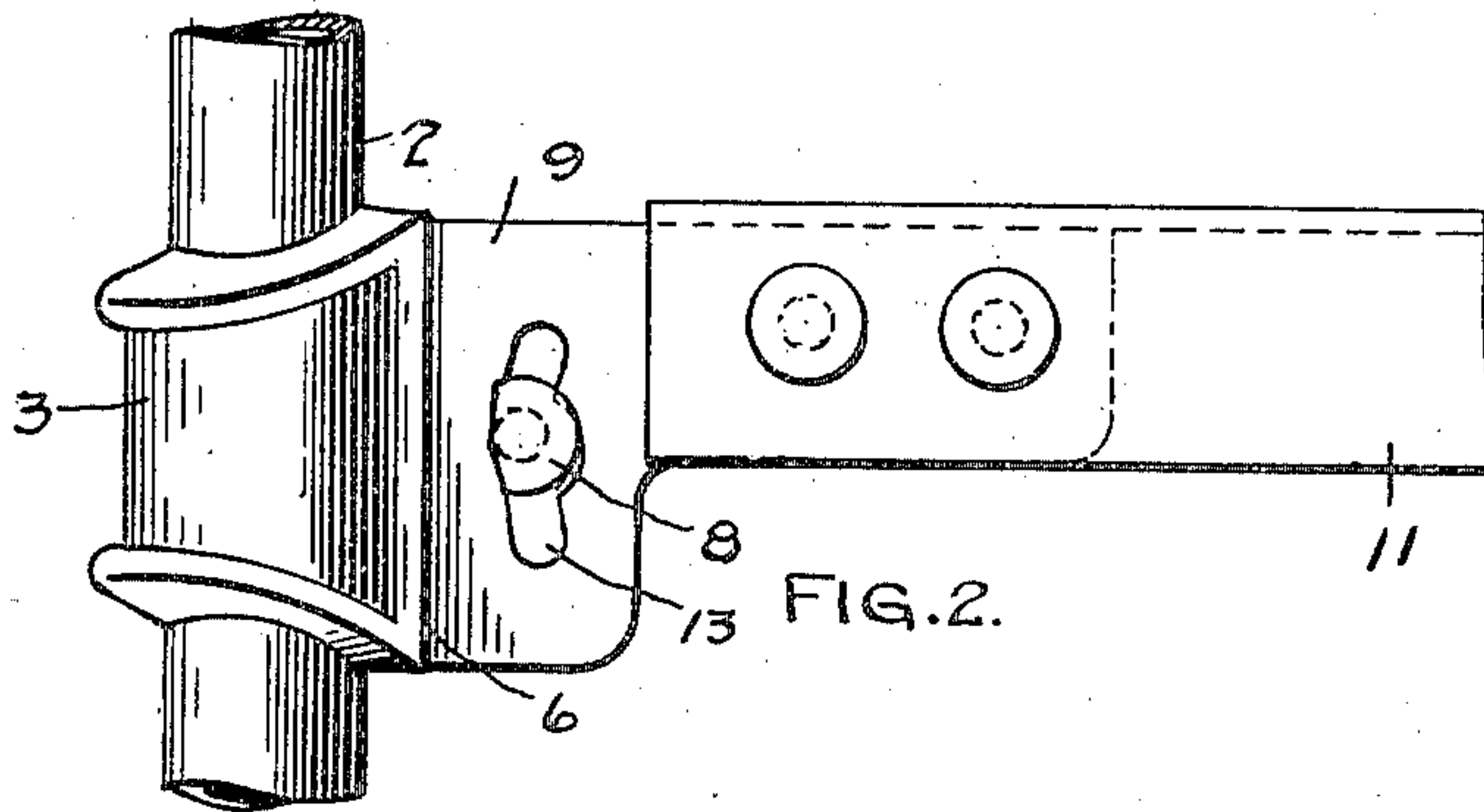
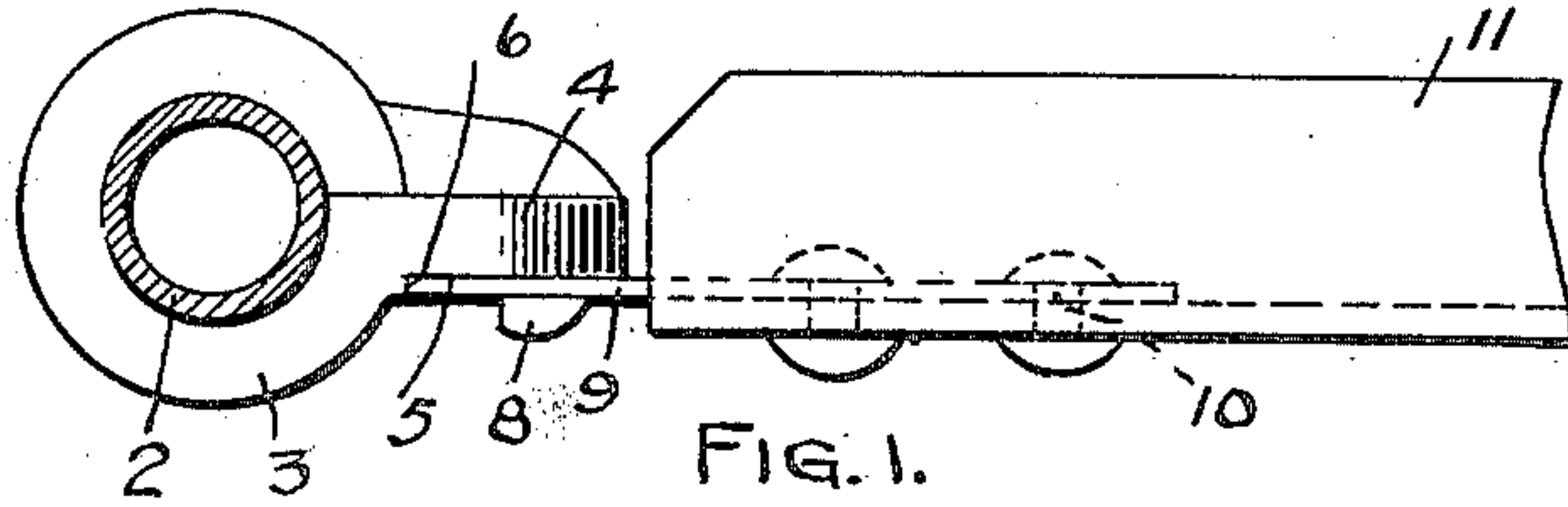
No. 696,374.

Patented Mar. 25, 1902.

A. E. JACOBSON.
BED RAIL FASTENER.

(Application filed Mar. 11, 1901.)

(No Model.)



WITNESSES.

E. J. Stauder
Richard Paul

INVENTOR

AXEL E. JACOBSON

BY

Paul Hawley
HIS ATTORNEYS.

UNITED STATES PATENT OFFICE.

AXEL E. JACOBSON, OF MINNEAPOLIS, MINNESOTA.

BED-RAIL FASTENER.

SPECIFICATION forming part of Letters Patent No. 696,374, dated March 25, 1902.

Application filed March 11, 1901. Serial No. 50,566. (No model.)

To all whom it may concern:

Be it known that I, AXEL E. JACOBSON, of Minneapolis, county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Bed-Rail Fasteners, of which the following is a specification.

My invention relates to means for securing bed-rails to the posts.

The object of the invention is to provide a fastener that can be manufactured at a cost considerably less than the fasteners usually employed and at the same time will be very strong and durable in construction.

A further object is to provide a reversible fastener—one that can be easily and quickly manipulated and relied upon to hold the bed rigidly and securely against racking and twisting when in use.

The invention consists generally in a bed-post casting or collar having a lip or web provided with a shoulder and a pin and a plate adapted to engage said shoulder and having a curved slot to receive said pin.

Further, the invention consists in various constructions and combinations, all as hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of my improved bed-rail fastener. Fig. 2 is a side view of the same. Fig. 3 is a side view showing the fastener in a reversed position. Fig. 4 is a plan view of the fastener as shown in Fig. 3. Figs. 5 and 6 are details showing the parts of the fastener detached.

In the drawings, 2 represents a post of an iron or brass bed provided with the usual chilled casting or collar 3, to which the rails (not shown) at the head and foot of the bed are secured in the usual manner.

4 is a lip or wing formed integrally with the casting, having on one side a flat face 5 and a shoulder 6. In the face 5, at a suitable distance from the edge thereof, I provide a pin or stud 7, having a head 8. This pin is preferably placed in a mold and rigidly secured or fixed in the face of the wing when it is cast.

9 is a flat plate, preferably of steel, having holes 10 to receive rivets for securing the plate to the side rail 11, and said plate has a substantially straight outer edge 12 to bear against the shoulder 6. Near the edge 12 I

provide a curved slot 13. One edge of this slot at a point near the middle of the same is indented or recessed, as shown in Fig. 6, to permit the plate to be slipped over the head of the pin 7, as shown in Fig. 2. When in this position, the edge 12 will be in contact with the shoulder 6, and pressure being applied to the upper edge of the plate or the bed-rail will force the shank of the pin to the upper end of the slot and rigidly clamp the plate between the shank and said shoulder. A bed will thus be rigidly held against twisting or racking when moved over the floor.

In the foregoing description of the manner of setting up the bed it is presumed that the bed-rail will be in the position shown in Fig. 2, with the horizontal flange at the top of the rail. In case, however, it is desired to adjust the rail with its horizontal flange at the bottom, the plate and rail are reversed, the head of the pin inserted into the slot, as before, and the shank forced into the opposite end of the slot and the plate locked in the same manner as above described. It will be noted that the fastener may be manipulated to adjust the bed-rail for one position as readily as for the other and that in either case the parts will be as rigid and the fastener complete and stable.

I have shown the head of the pin beveled or cut away on one side to permit it to be more readily thrust into the slot in the plate. It is obvious, however, that the form of the pin may be varied to correspond to the indentations or recesses that may be provided in the edges of the slot. It will also be understood that instead of providing a shoulder to engage the edge or end of the plate that a rib or several stops may be formed on the wing 4, that will perform substantially the same function as the shoulder.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A bed-rail fastener, comprising a casting or collar having a lip or wing provided with a bearing shoulder or stop, a pin provided on said wing, and a plate having an edge adapted to engage said bearing-surface and a slot to receive said pin, the ends of said slot being a greater distance than said middle portion from the bearing edge of said plate.

2. A bed-rail fastener, comprising a collar having a bearing surface or shoulder and a laterally-projecting pin, in combination, with a plate having an edge to engage said bearing-surface and a curved slot to receive said pin, the ends of said slot being a greater distance than its middle portion from the bearing edge of said plate, whereby when said pin is forced into either end of the slot said plate and collar will be firmly locked together.

3. As a new article of manufacture, a bed-rail fastener, comprising a collar adapted to be secured on a bed-post, said collar having a flat face provided with a bearing surface or shoulder, a headed pin or lug secured in said face, and a plate adapted to engage said bearing-surface and having an irregular slot wherein said pin is movable toward either end whereby said plate is rendered reversible.

4. A bed-rail fastener, comprising a member having a bearing surface or part and a lug or pin, in combination, with a member adapted to engage said bearing-surface and having a slot to receive said pin, the ends of said slot being a greater distance than its middle portion from the bearing-surface of said member, for the purpose specified.

5. A bed-rail fastener, comprising a slotted plate to be secured to the rail, in combination, with a post wherewith said plate engages, a pin on said post to enter said slot and wherein it is movable toward either end thereof, the ends of said slot diverging from

the post whereby said pin will be wedged therein when said plate is in its normal position or reversed.

6. The combination, with a bed-post provided with a bearing-surface and a headed pin, of a plate secured to the bed-rail and adapted to engage said bearing-surface and having a curved slot diverging toward its ends from said bearing-surface, the edge of said slot being cut away to allow the pin to enter therein, the ends of said slot being smaller than the headed portion of said pin and adapted to receive the shank thereof, whereby the parts will be locked together when said pin enters either end of said slot and said plate is in its normal position or reversed.

7. The combination, with a collar 3 provided with a wing 4 having a flat face 5 and a bearing-shoulder 6, of a headed pin provided in said face 5, and a plate 9 having an edge 12 to engage said shoulder 6, and a curved slot diverging toward its end from said shoulders to receive said pin and allow it to move toward either end, whereby said plate is rendered reversible, substantially as described.

In witness whereof I have hereunto set my hand this 4th day of February, 1901.

AXEL E. JACOBSON.

In presence of—

RICHARD PAUL,
M. C. NOONAN.