E. PRECHEL.

CLEVIS.

APPLICATION FILED JUNE 3, 1910.

991,888. Patented May 9, 1911.

Fig. 1.

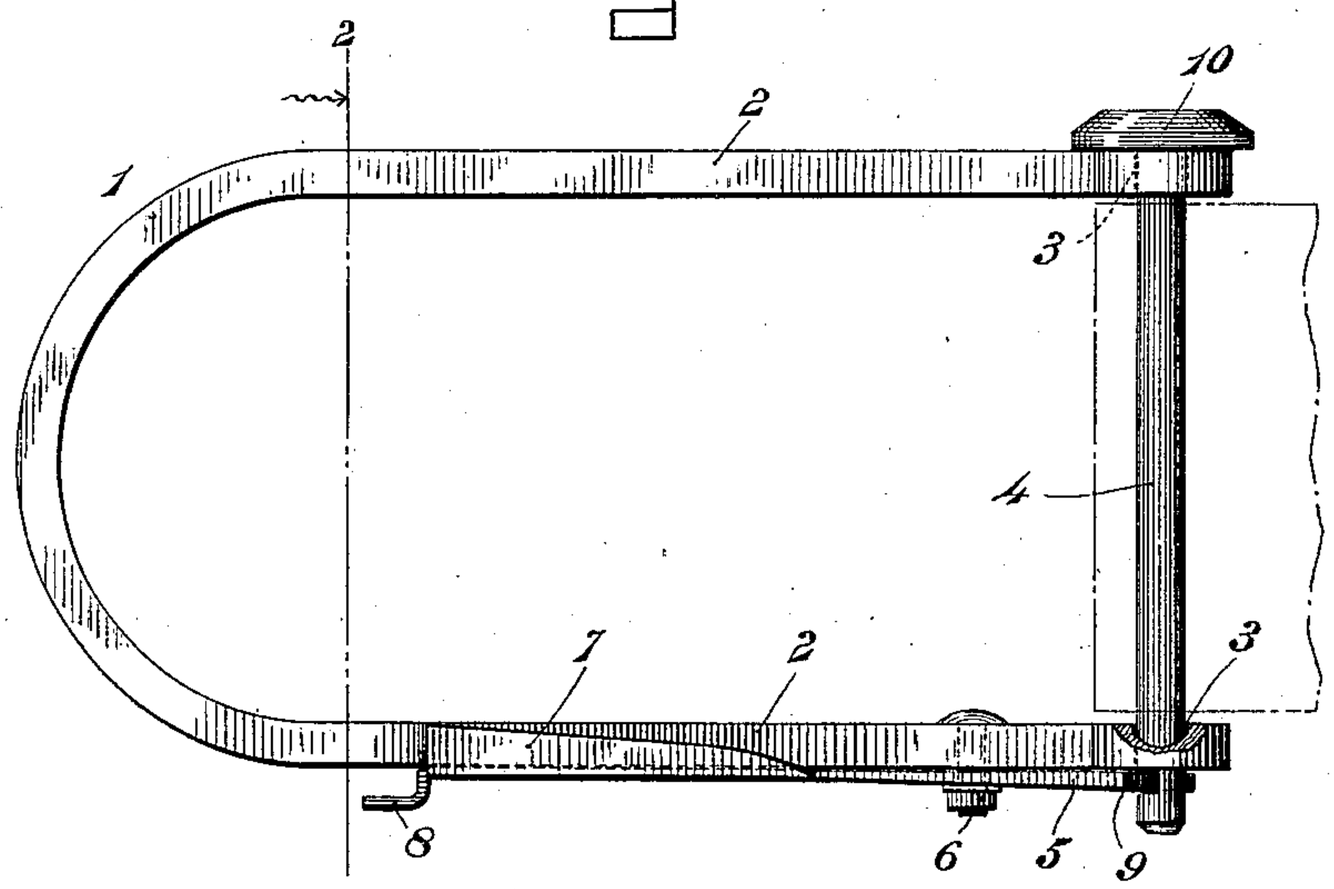


Fig. 2

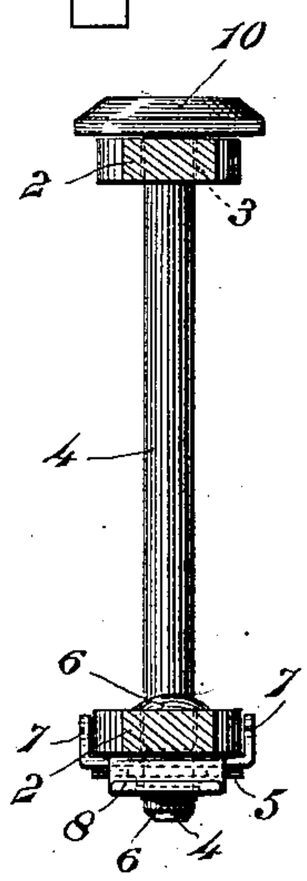


Fig. 3.

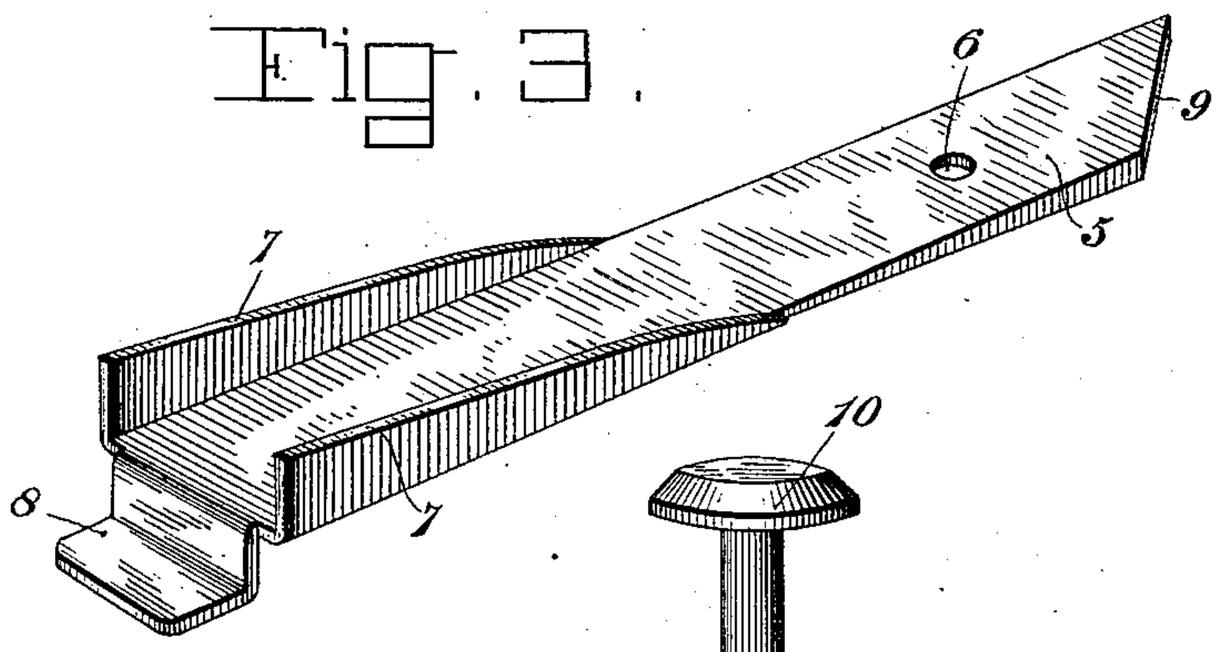
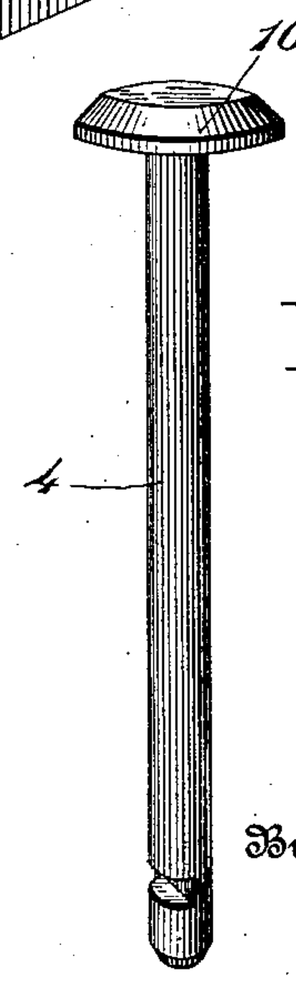


Fig. 4



Witnesses

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ERNEST PRECHEL, OF WOODLAKE, MINNESOTA.

CLEVIS.

991,888. Specification of Letters Patent. **Patented May 9, 1911.**

Application filed June 3, 1910. Serial No. 564,827.

To all whom it may concern:

Be it known that I, ERNEST PRECHEL, a citizen of the United States, residing at Woodlake, in the county of Yellow Medicine and State of Minnesota, have invented new and useful Improvements in Clevises, of which the following is a specification.

This invention relates to clevises and the object of the invention is to provide a simple, cheaply constructed and efficient clevis and to provide an easily operated and efficient pin holder therefor.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application, and in which:

Figure 1 is a side elevation. Fig. 2 is a section taken on the line 2—2 of Fig. 1 looking in the direction of the arrow. Fig. 3 is a detail perspective view of the pin latch removed from the clevis. Fig. 4 is a detail perspective view of the pin.

Referring more particularly to the drawing 1 represents a yoke-shaped member of the clevis which has its legs 2 provided at their ends with registering apertures 3 adapted to receive the pin 4. This pin is notched in its lower end and is adapted to be engaged by the locking arm 5 which is pivoted at 6 to one leg of the yoke member 1 and extends rearwardly thereon where it is provided with straddling flanges 7 and an offset thumb piece 8 for operating the same. The latching or locking member 5 is constructed of a single piece of metal having its pin engaging end beveled as at 9 and having a thickness of approximately one-eighth of an inch. The body of the latching member is tapered from its pin engaging end to its opposite end so that the flanges and the thumb piece 8 have a thickness of approximately one-sixteenth of an inch or one-half the thickness of the latch engaging end thus permitting the rear end of the latching device to be sufficiently resilient so that the flanges may be engaged and disconnected from the sides of the leg 2. When the latching device is in locking position, the flanges 7 straddle the leg and the beveled end 9 is in engagement with the notch in the lower end of the pin 4, thus it will be seen that the latching device cannot become disengaged from the leg and that the pin is held in place in the apertures 3 until the latching device is disconnected from the leg by springing the flange 7 away from the leg and turning the device upon the pin 6. The bolt 4 is provided with an enlarged head 10 which overlaps the sides of the leg 2 so that it may be readily grasped for removal from the apertures.

Having thus described the invention, what is claimed is:—

A clevis comprising a yoke-shaped member having apertures in its ends, a headed pin passing through said apertures and having a notch at one end, a locking member for said pin comprising a tapering body having a thin spring end, parallel inclined flanges bent up from said thin spring end at right angles to the plane of the body and adapted to engage on opposite sides of one leg of the yoke member, a thumb engaging lug bent up from the thin end for disengaging the flanges from the sides of the yoke member, a pivoting bolt passing through the locking member and one leg of the yoke member for pivotally mounting the locking member, and a thick diagonally cut notch engaging end held in engagement with the notch of the pin by said flanges.

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

ERNEST PRECHEL.

Witnesses:

FRIED. PRECHEL,

EDDY PRECHEL.