

No. 687,835.

Patented Dec. 3, 1901.

E. HALL.

ADJUSTABLE PLOW HANDLE REST.

(Application filed Sept. 12, 1901.)

(No Model.)

Fig. 1.

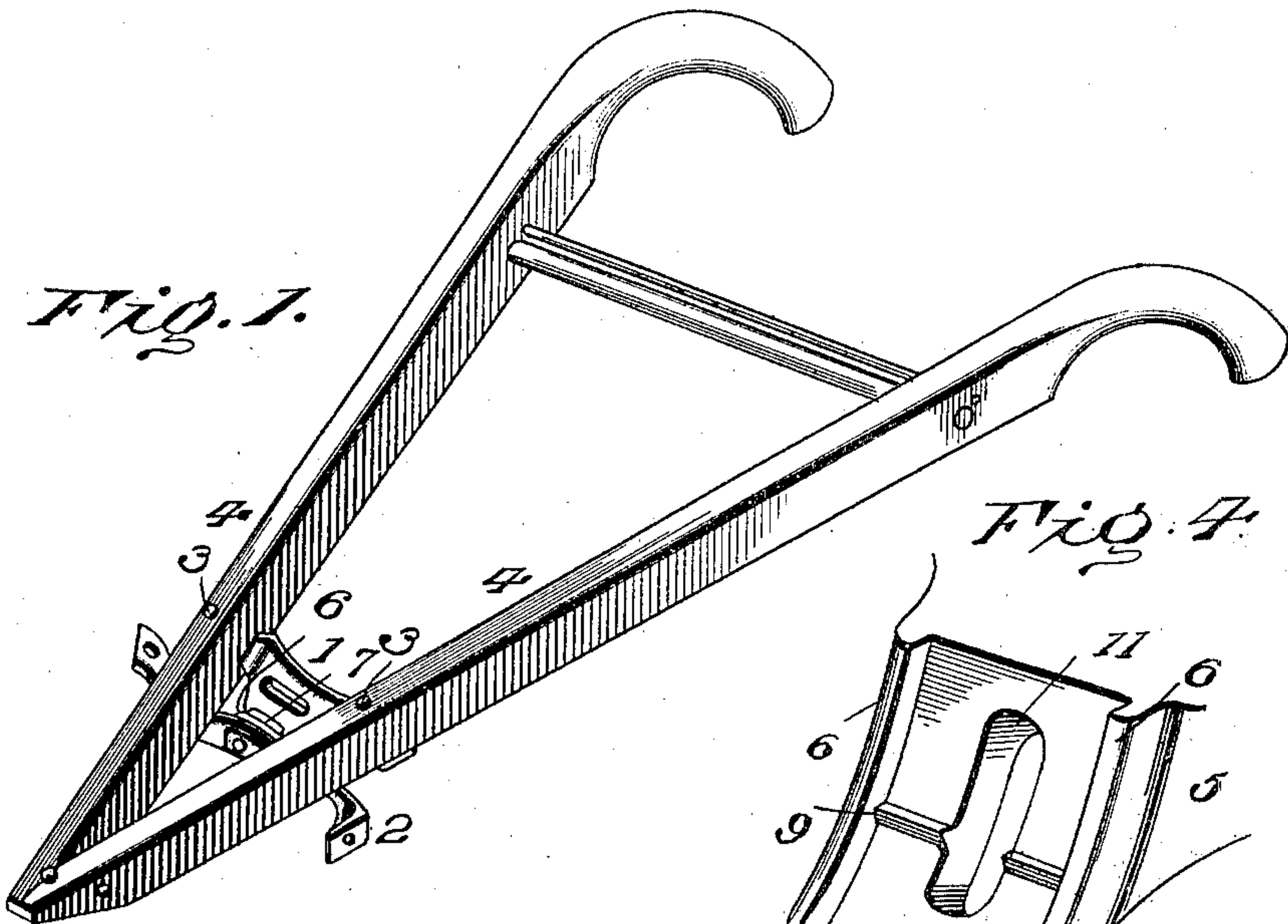


Fig. 4.

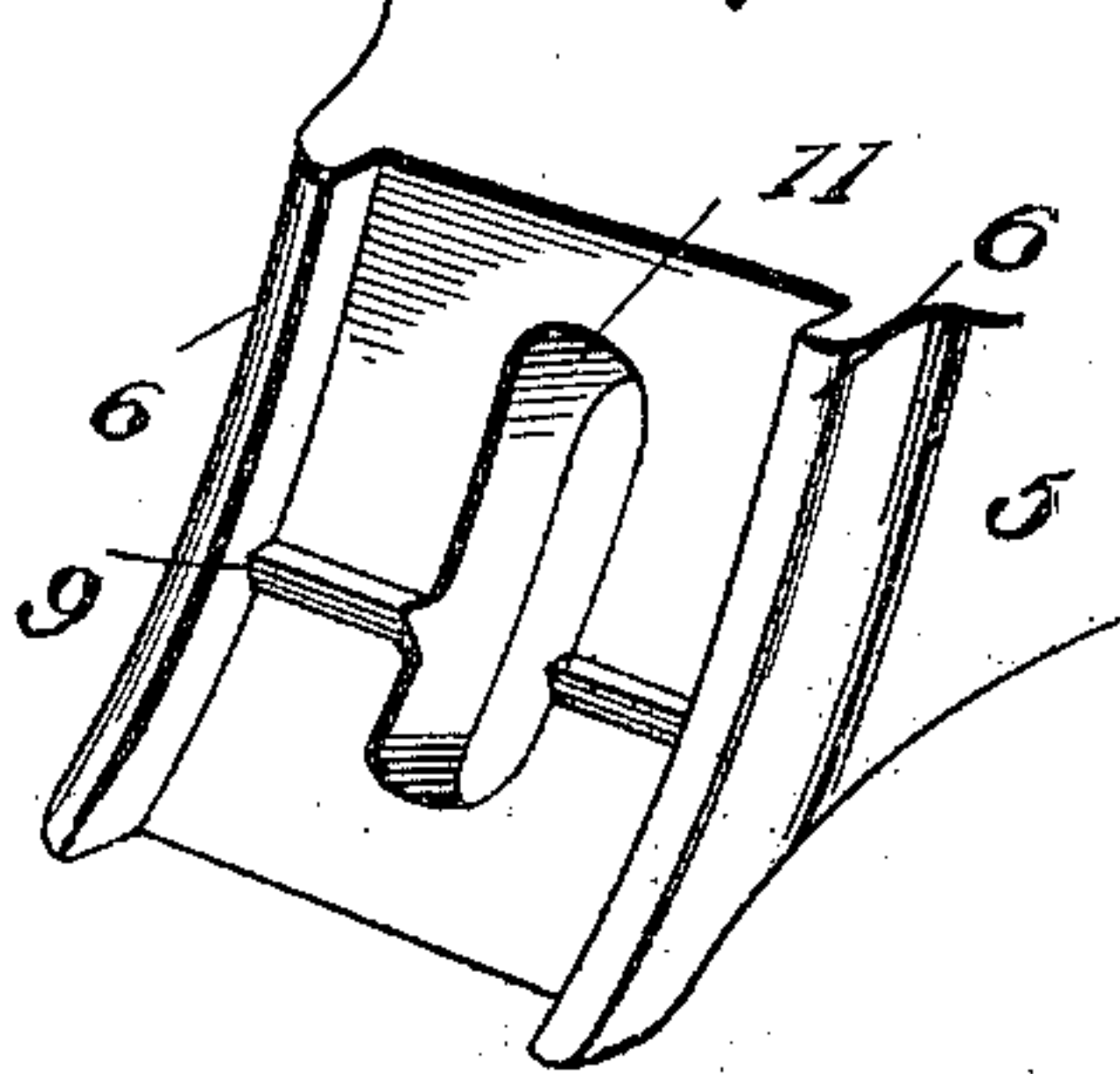


Fig. 3.

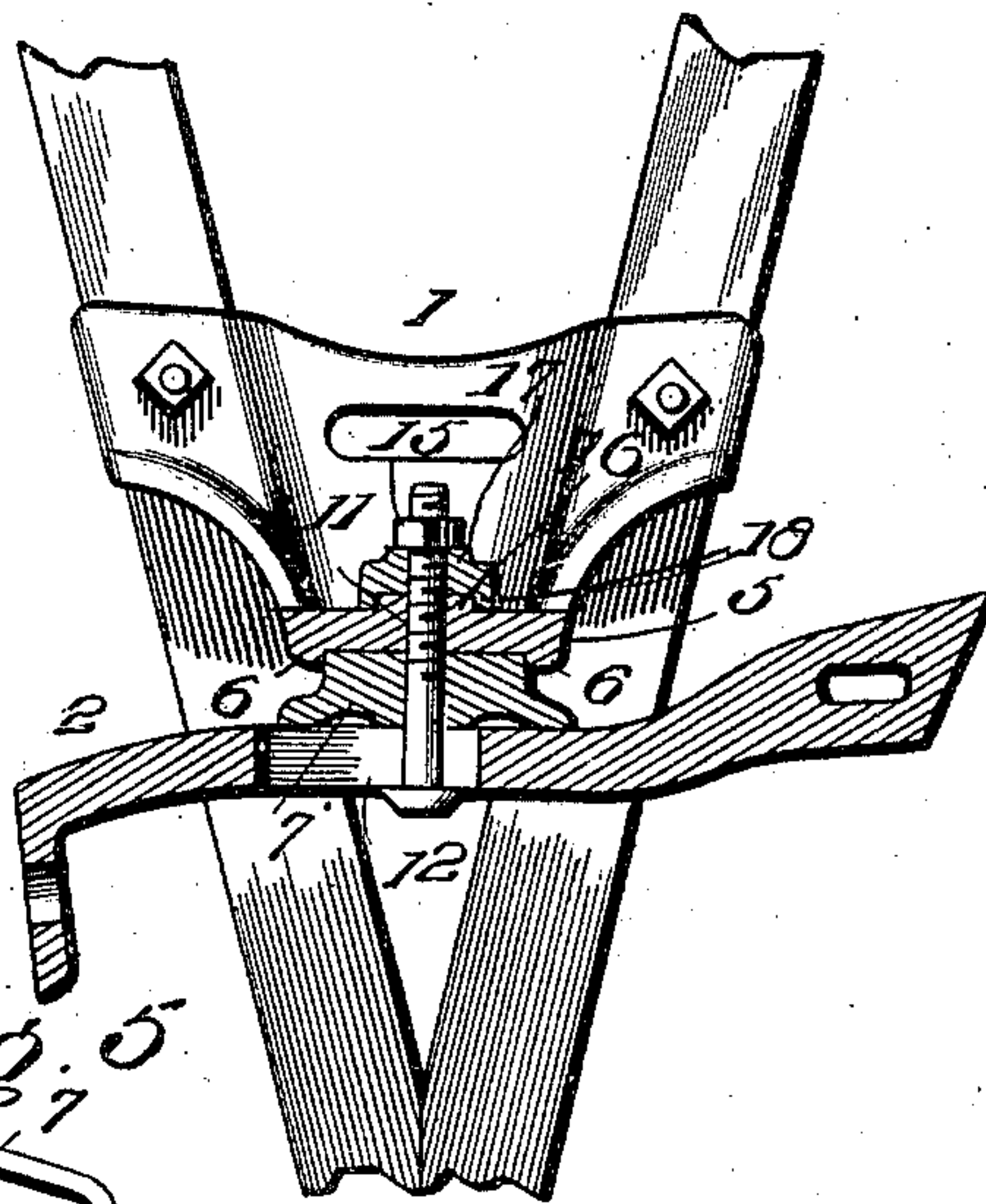


Fig. 2.

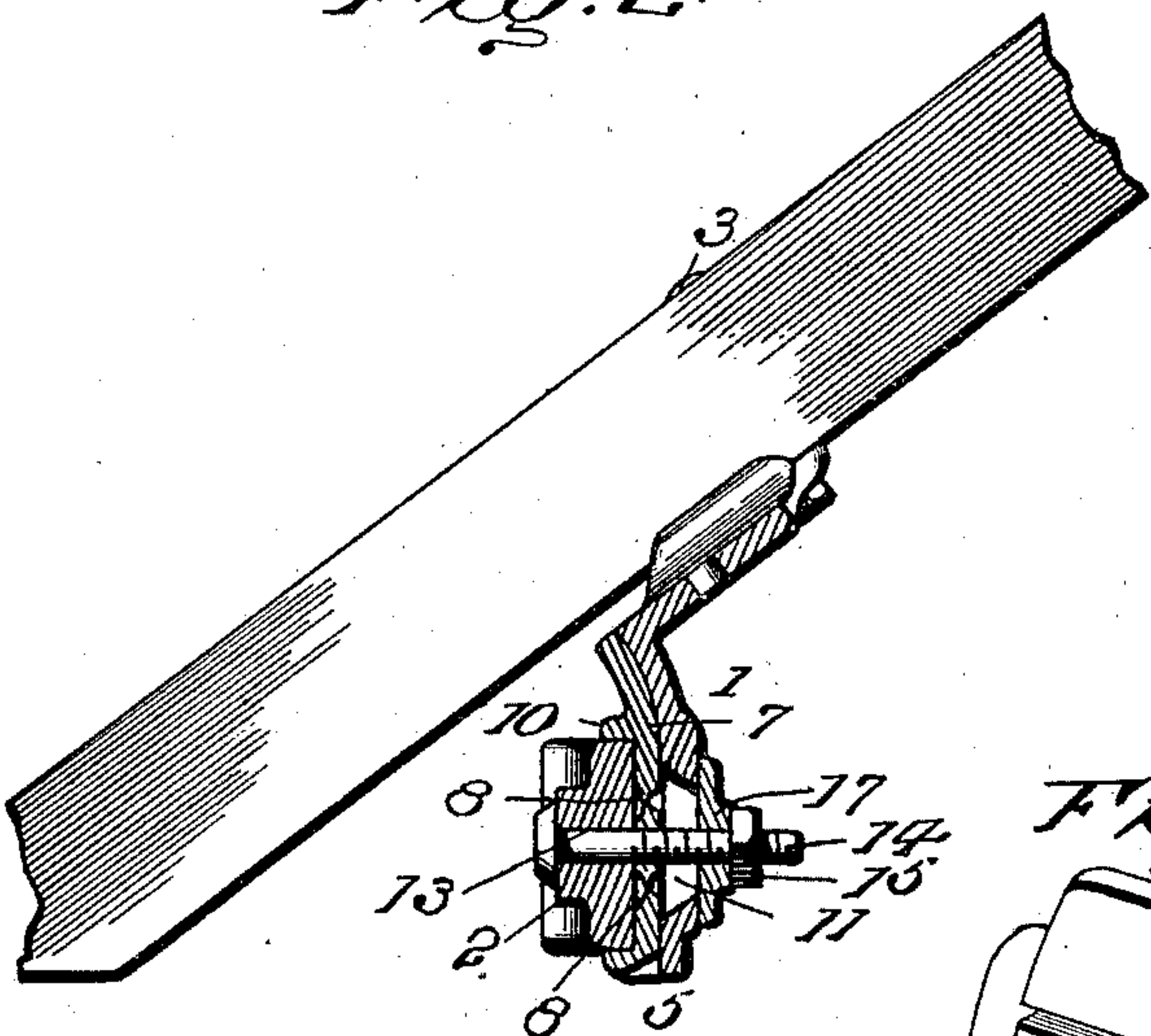
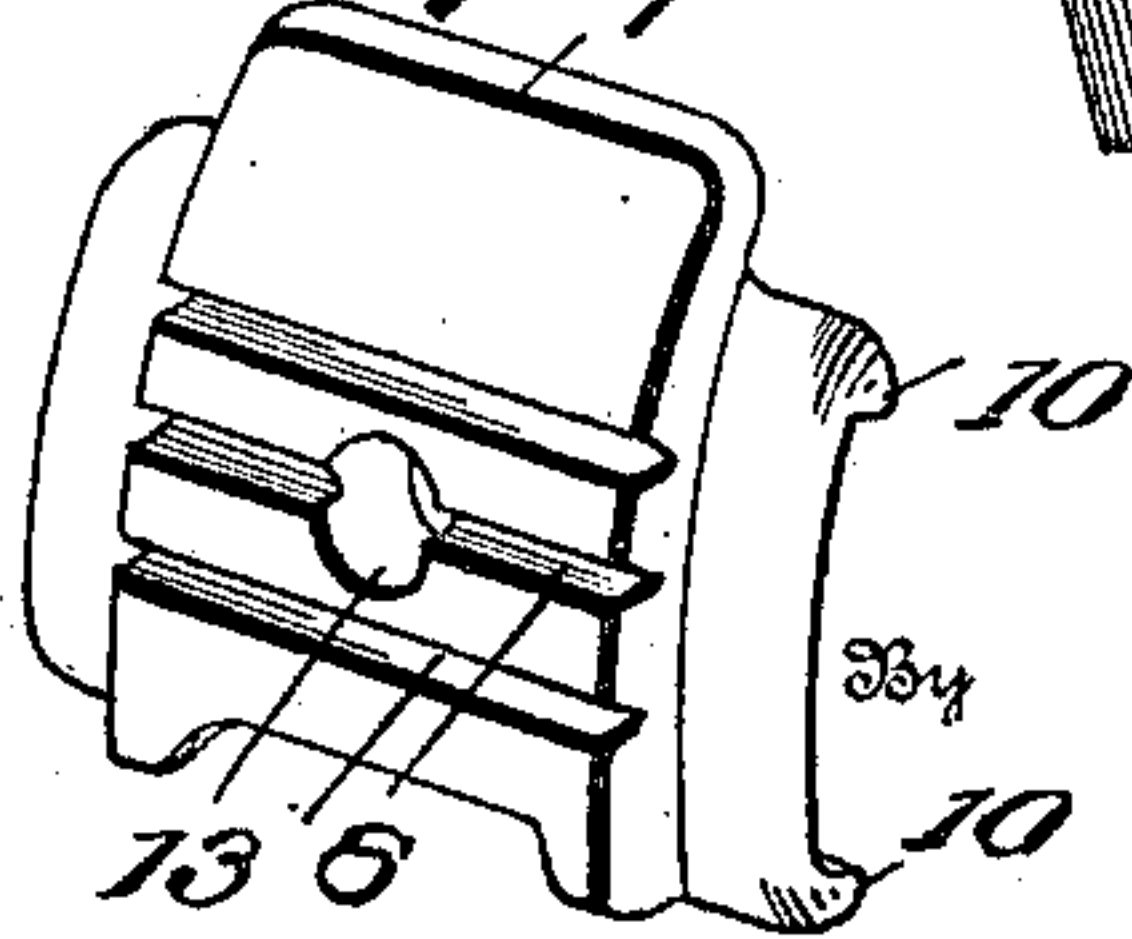


Fig. 5.



Witnesses

Wm. J. Irvine
C. M. Catlin

Inventor

Edwin Hall

Wm. R. Catlin

Attorney

UNITED STATES PATENT OFFICE.

EDWIN HALL, OF LEROY, NEW YORK, ASSIGNOR TO THE LE ROY PLOW COMPANY, OF LEROY, NEW YORK, A CORPORATION OF NEW YORK.

ADJUSTABLE PLOW-HANDLE REST.

SPECIFICATION forming part of Letters Patent No. 687,835, dated December 3, 1901.

Application filed September 12, 1901. Serial No. 75,162. (No model.)

To all whom it may concern:

Be it known that I, EDWIN HALL, a resident of Leroy, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Adjustable Plow-Handle Rests; 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 pertains to make and use the same.

The invention relates to plows and the like, and has for its object to provide simple, strong, and efficient devices for adjusting the handles in different planes.

The invention consists in the construction herein described and pointed out.

In the accompanying drawings, Figure 1 is a perspective of plow-handles having the improved device applied thereto. Fig. 2 is a central section of the device, all of the handles but a portion of one being broken away. Fig. 3 is a bottom plan. Fig. 4 is a perspective of a portion of a handle-brace extension, and Fig. 5 is a perspective of a locking-plate.

Numerals 1 and 2 denote, respectively, what will be herein described as a handle-brace and a handle-rest bar, the brace being fixed at 3 to the handles 4 and the bar fixed in usual manner to a plow or the like. (Not shown.)

The brace 1 has a downward extension 5, provided at its side edges with ribs or flanges 6, which receive between them a locking-plate or ribbed washer 7. The ribs of the plate 7 are parallel to each other and disposed transversely to the length of the plow and are adapted to receive in either of the grooves 8, which separate them, the ribs 9, formed on the brace extension 5. Said ribs 9 are situated in line with each other, being separated by a slot 11, formed in the extension. The slot has its longest dimension in a central plane lengthwise the handles. The plate 7 has flanges 10, which receive between them the bar 2. The bar 2 has a slot 12, having its longest dimension transverse to that of the slot 11 in the handle-brace 1.

13 denotes a bolt-hole in the locking-plate, and 14 is a screw-bolt extending through the slot 11 of the brace extension, slot 12 of the handle-rest bar, and hole 13 in the plate 7.

16 denotes a projection on the brace extension

and surrounding hole 13, and 17 is a washer having flanges 18 to embrace the sides of the projection, as shown.

15 is a nut screwing on the bolt 14.

In assembling these parts or in readjusting them subsequently, it being assumed that the brace is fixed to the handles and the bar to the plow, the elongated slot in the bar provides that the bolt may be situated therein at different points transversely of the plow in a horizontal plane, and the elongated slot 11 permits it to be situated at different points therein in a vertical plane. The locking-plate 7 is also adjustable lengthwise the guide-flanges 6 of the brace, the short ribs 9 of the brace being suitably entered in one of the grooves 8. The handles therefore can be moved either to the right or the left upon the bar 2 and can be swung about the bolt 14, and can also be raised or lowered and the nut 15 then screwed upon the bolt to bind the parts together. Either of these several adjustments can be effected by loosening the single bolt and tightening it after suitable manipulation of the handles to secure the particular adjustment desired, the plate 7 being also adjusted. The handles can therefore be held at an elevation suitable for either men or boys, and they can also be held in a lateral position to avoid contact with trees and other objects or for any desired purpose.

The improvement is primarily designed for plows and is described and pointed out in such connection, but protection for its exclusive use wherever it is applicable without departing from the described principle of operation is contemplated.

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

1. The handles, the brace adapted to be fixed to the handles and having slot 11, the bar adapted to be fixed to the plow and having slot 12, and the fastening-bolt whereby the said handles may be adjusted vertically and horizontally or either vertically or horizontally and then secured together.

2. The handles, the brace adapted to be fixed to the handles and having slot 11, the bar adapted to be fixed to the plow and having slot 12, the fastening-bolt, and a plate inter-

posed between the brace and bar, whereby the said handles may be adjusted vertically and horizontally or either vertically or horizontally and then secured together.

5 3. The handles, the brace adapted to be fixed to the handles and having slot 11, the bar adapted to be fixed to the plow and having slot 12, the fastening-bolt, and a plate inter-
10 posed between the brace and bar, the plate and brace having engaging ribs and grooves.

4. The handles, the brace adapted to be fixed to the handles and having slot 11, the bar adapted to be fixed to the plow and having slot 12, the fastening-bolt, and a plate inter-
15 posed between the brace and bar, said brace having flanges to hold and guide the plate.

5. The handles, the brace adapted to be fixed to the handles and having slot 11, the

bar adapted to be fixed to the plow and having slot 12, the fastening-bolt, and a plate inter- 20
posed between the brace and bar, said plate having flanges to receive the edges of the bar.

6. The handles, the brace adapted to be fixed to the handles and having slot 11, the bar adapted to be fixed to the plow and having 25
slot 12, the fastening-bolt, and a plate interposed between the brace and bar, said parts having ribs and flanges whereby they are held in fixed relation when bolted together.

In testimony whereof I have signed this 30
specification in the presence of two subscribing witnesses.

EDWIN HALL.

Witnesses:

WM. P. GOODMAN,

FRANK T. WOODRUFF.