

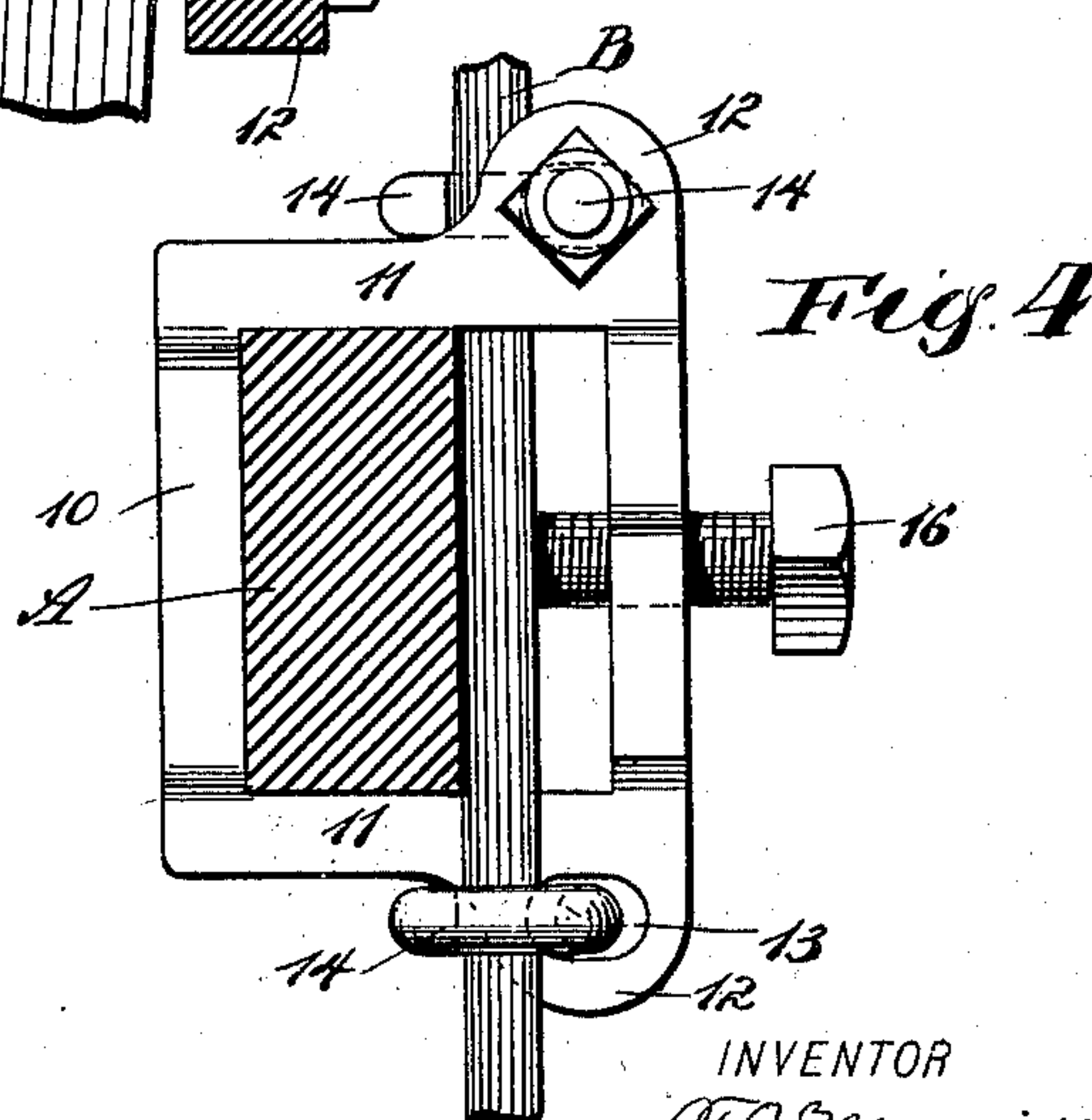
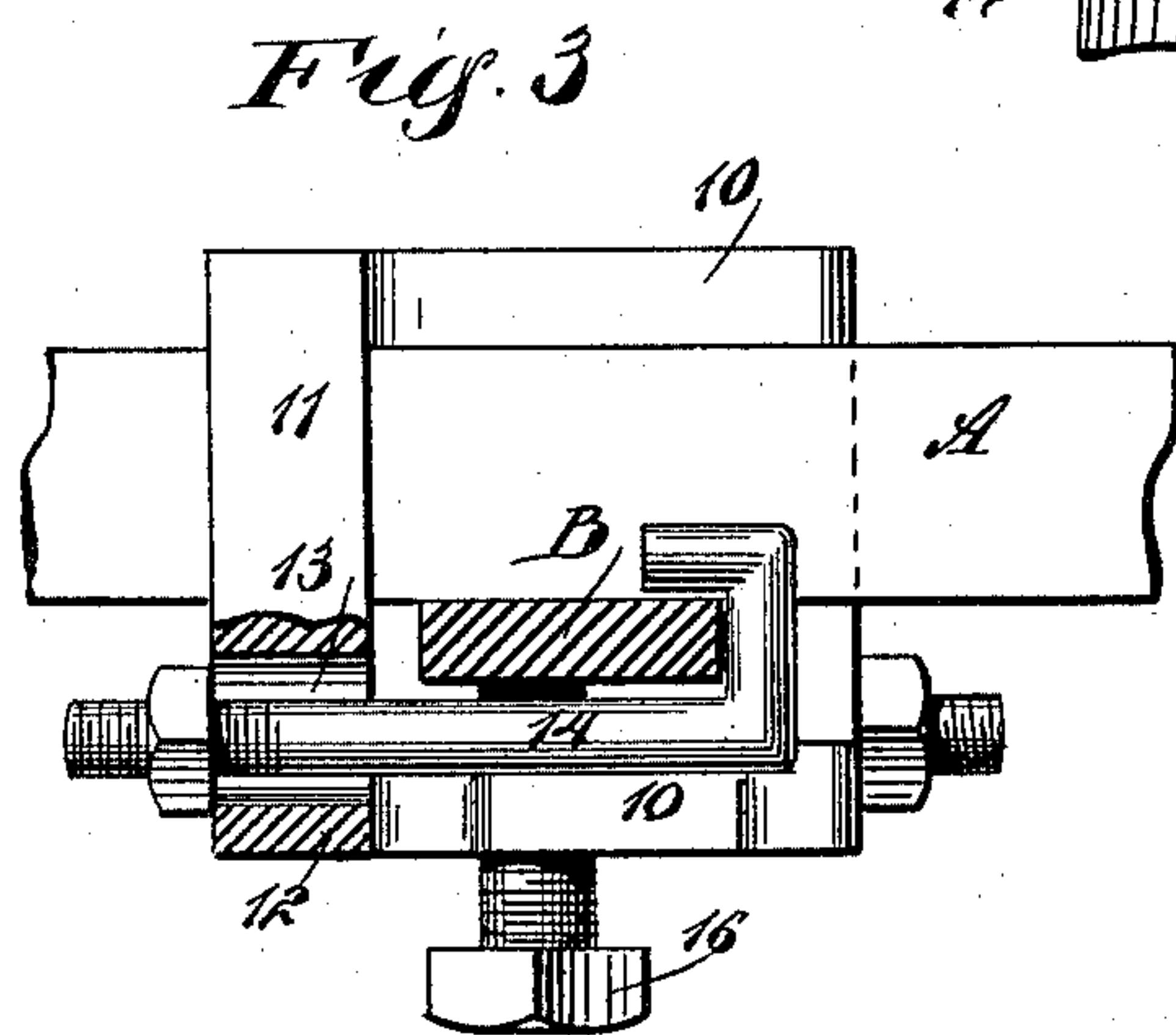
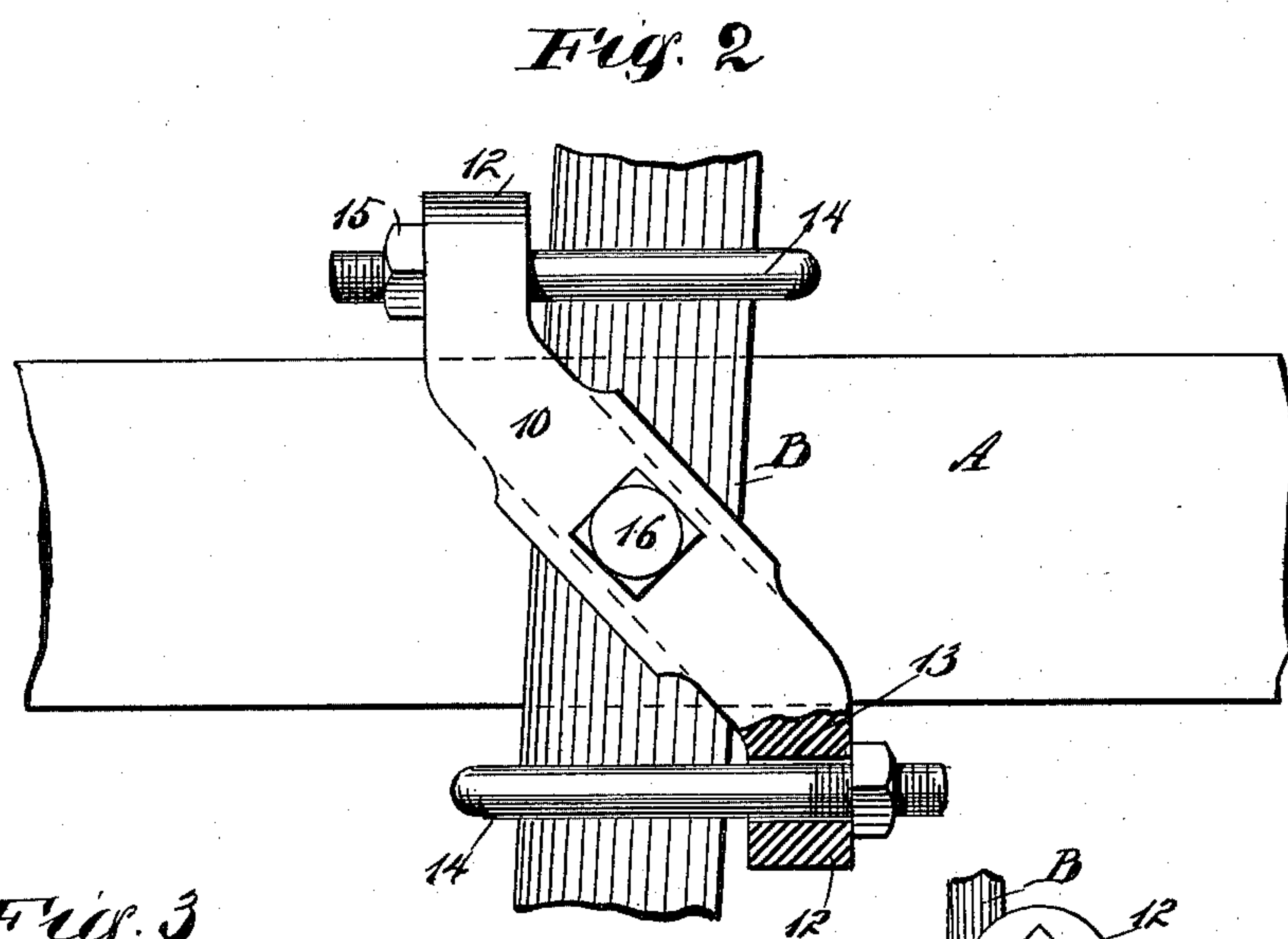
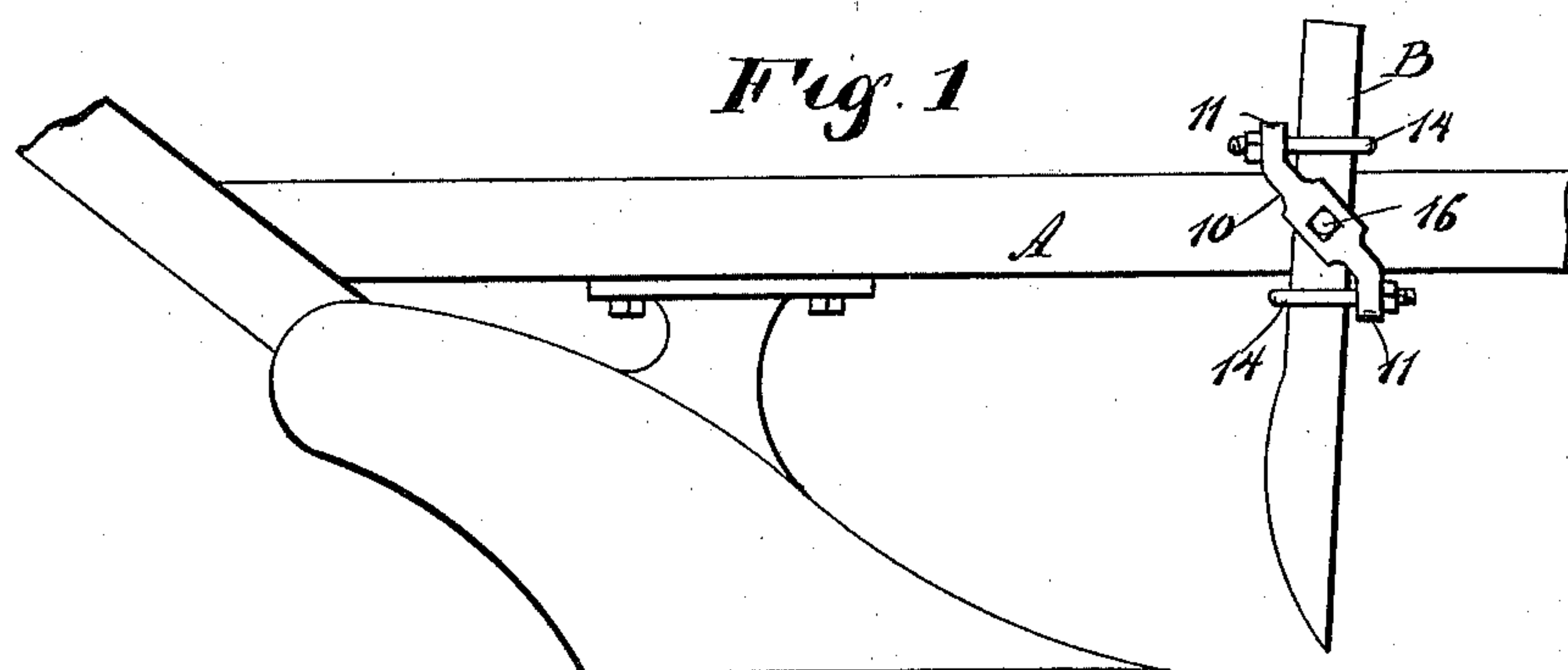
(No Model.)

T. J. MANCILL.

COLTER BAND.

No. 598,380.

Patented Feb. 1, 1898.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

THOMAS JEFFERSON MANCILL, OF MABEN, MISSISSIPPI.

## COLTER-BAND.

SPECIFICATION forming part of Letters Patent No. 598,380, dated February 1, 1898.

Application filed August 4, 1897. Serial No. 647,046. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS JEFFERSON MANCILL, of Maben, in the county of Oktibeha and State of Mississippi, have invented  
5 a new and Improved Colter-Band, of which the following is a full, clear, and exact description.

The object of the invention is to provide a colter-band of simple, durable, and economic  
10 construction and which may be fastened to a plow-beam without drilling holes in the beam or weakening the beam in any manner.

A further object of the invention is to provide a colter-band which may be attached  
15 to beams of different thicknesses in an expeditious and convenient manner and whereby the colter may be adjusted to the right or to the left or vertically to suit the operator and held fixedly in its adjusted position.

The invention consists in the novel construction and combination of the several  
20 parts, as will be hereinafter fully set forth, and pointed in the claims.

Reference is to be had to the accompanying  
25 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a portion of a plow and a side elevation of the colter-band and colter attached to the beam of the  
30 plow. Fig. 2 is a side elevation of the colter-band drawn on an enlarged scale and attached to the plow-beam, a portion of the band being in section. Fig. 3 is a plan view of the colter-band and a portion of the plow-beam, the  
35 shank of the colter being in section and a portion of the band being broken away; and Fig. 4 is a vertical section through the plow-beam, the colter-band being shown in side  
40 elevation.

The colter-band consists of two side pieces  
10, connected at top and bottom by cross-bars  
11, the side pieces 10 being diagonally arranged with reference to the top and bottom  
45 cross-bars. The top and bottom cross-bars 11 at their right-hand ends are provided with projections 12, and in each of said projections a horizontal elongated slot 13 is made. Each slot 13 receives the threaded end of a  
50 hook-bolt 14, the hook-section of the upper bolt facing to the front and the hook-section of the lower bolt facing to the rear. The

cross-bars of the colter-band engage, respectively, with the top and the bottom portions of the plow-beam A, and the space between  
55 the side pieces 10 of the colter-band is greater than the combined thickness of the plow-beam and the shank B of the colter. The shank of the colter is engaged near its upper end by the hook portion of the upper hook-bolt  
60 and near its lower end by the hook portion of the lower hook-bolt. The colter bears against the front face of the upper cross-bar of the band and the rear face of the lower cross-bar of said band, as shown in the draw-  
65 ings.

A set-screw 16 is passed through the right-hand side of the colter-band to an engagement with the shank B of the colter.

Under this construction of colter-band it is  
70 evident that said band may be secured readily to plow-beams of different thicknesses, and that the shank of the colter may be laterally shifted by moving the bolts in the elongated slots and placing wedges or blocks between the colter-shank and the plow-beam.  
75 It is further obvious that the colter-shank may be vertically adjusted, and that the set-screws and the hook-bolts will hold the shank of the colter in any position in which it may  
80 have been adjusted. The set-screw likewise serves to bind or secure the colter-band on the beam, the said set-screw pressing against the shank of the colter and the shank of the  
85 colter having bearing against the beam of the plow. Each of the hook-bolts is provided with a suitable nut at its threaded end.

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

1. A colter-band consisting of a top and a bottom bar and side bars arranged diagonally to the top and bottom bars, connecting the same, the top and the bottom bars being respectively provided at one end with an extension  
95 having an elongated opening therein, hook-bolts passed through said openings, and a set-screw passed through one of the side pieces of the said colter-band, for the purpose set forth.

2. A colter-band consisting of a top and a bottom bar and side pieces connecting said top and bottom bars, being arranged diagonally thereto, the space between the side pieces  
100



being greater than the width of the plow-beam to which the band is to be secured, each top and bottom bar being provided at one end with a horizontal elongated slot, hook-  
5 bolts, the shanks whereof are passed through the said slots and provided with suitable nuts, the hooks of the bolts facing in opposite directions, and a clamping device carried by the side piece of the band adjacent to the said  
10 hook-bolts, substantially as described.

3. The combination, with a plow-beam, of a colter-band consisting of a top and a bottom bar engaging respectively with the top and bottom of the plow-beam, and side beams  
15 connecting the top and bottom bars and arranged diagonally thereto, the space between

the side bars of the band being greater than the thickness of the beam, each top and bottom bar being provided near one end with a horizontal elongated slot, a colter-shank en- 20 gaging with the beam and with the top and bottom bars of the band, hook-bolts engaging with the front and rear edges of the colter-shank, locking devices for the said hook-bolts, and a set-screw extending through a 25 side of the said band to an engagement with the said colter-shank, for the purpose specified.

THOMAS JEFFERSON MANCILL

Witnesses:

G. W. BOYLS,  
G. W. NARON.