

J. M. DAVIS.  
Hames.

No. 223,489.

Patented Jan. 13, 1880.

Fig: 1.

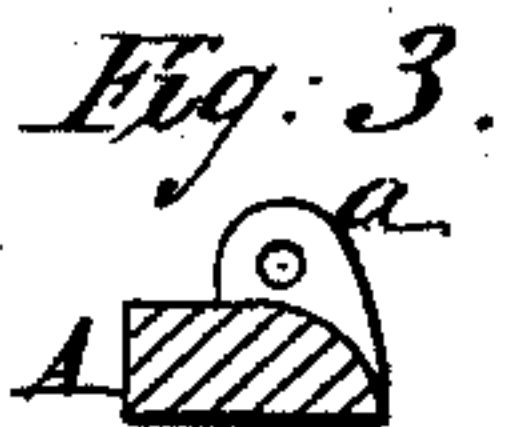
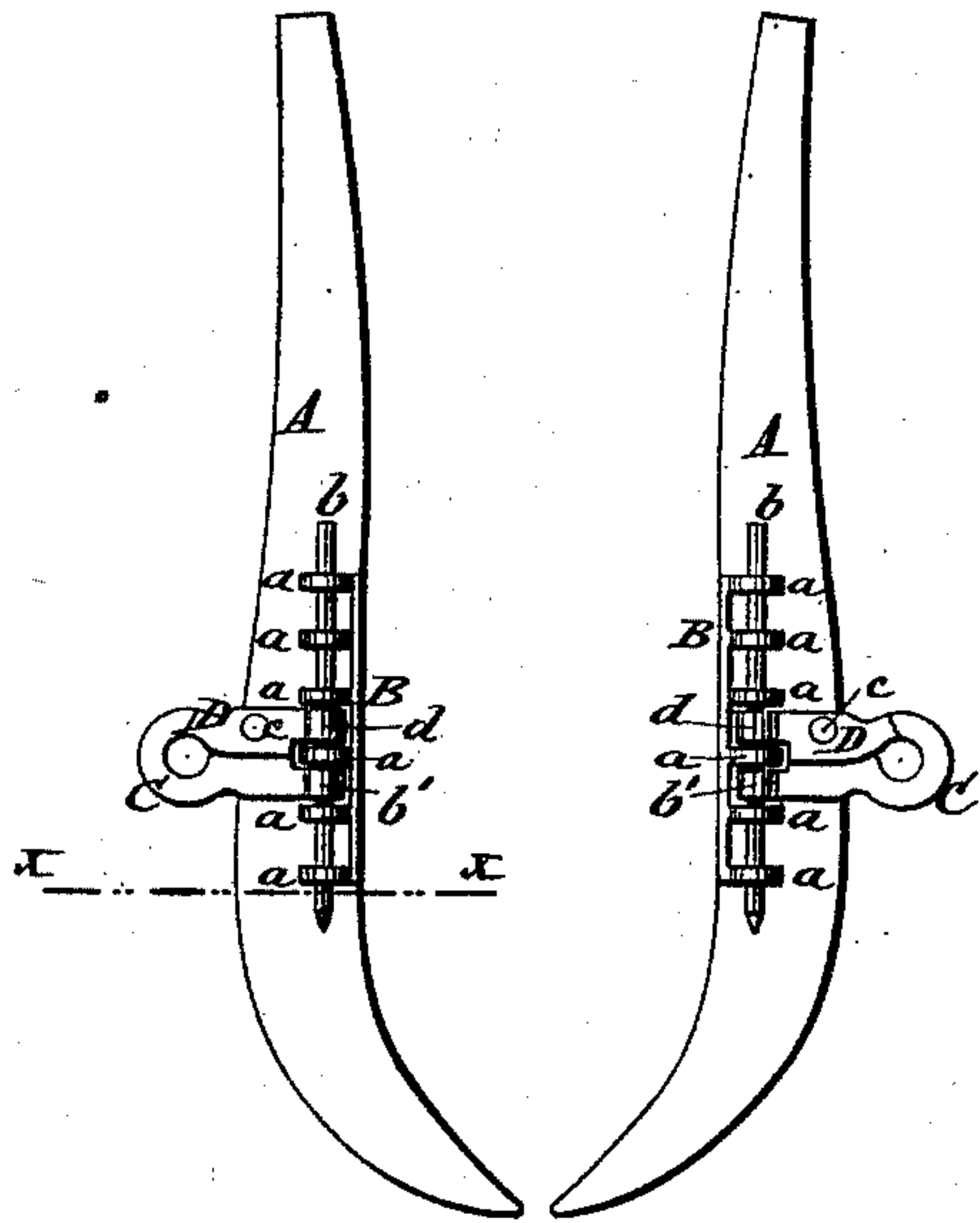
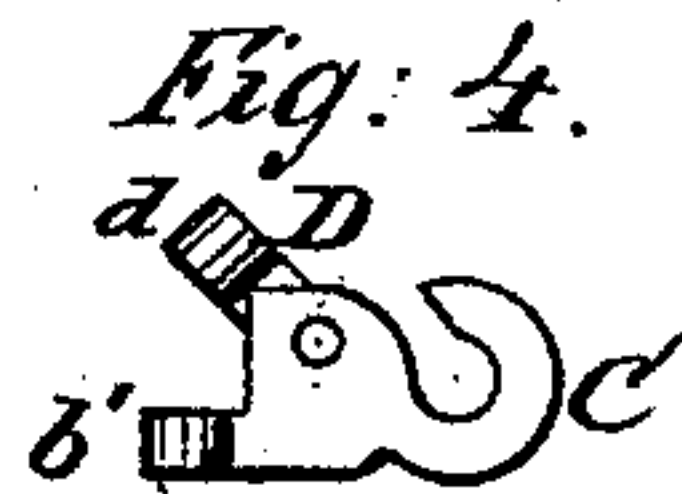
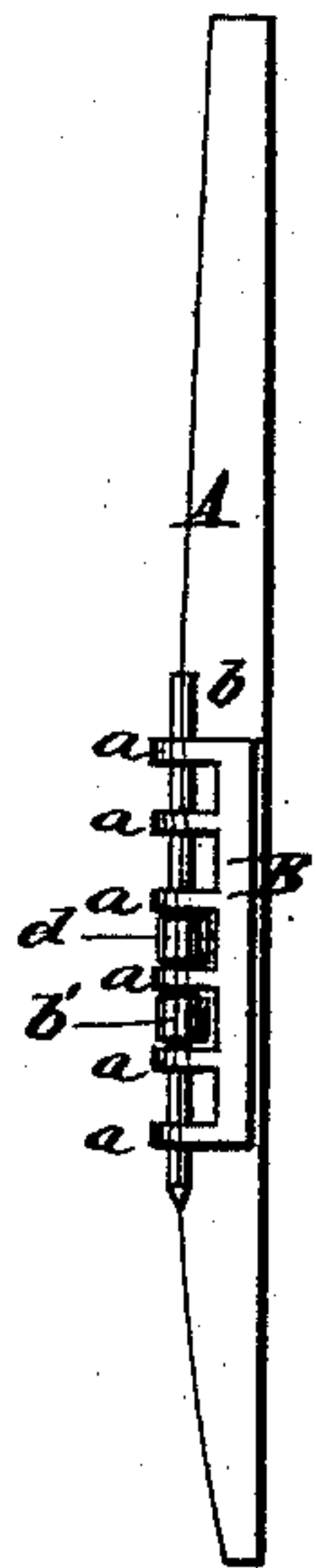


Fig: 2.



WITNESSES:

Achilles Schehl.  
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# UNITED STATES PATENT OFFICE.

JAMES M. DAVIS, OF KNOBEL, ARKANSAS.

## HAME.

SPECIFICATION forming part of Letters Patent No. 223,489, dated January 13, 1880.

Application filed July 15, 1879.

*To all whom it may concern:*

Be it known that I, JAMES M. DAVIS, of Knobel, in the county of Clay and State of Arkansas, have invented a new and Improved Hame, of which the following is a specification.

My invention relates to improvements in the irons for connecting the traces with the hames; and the object thereof is to permit the pressure on the horse's shoulder to be shifted when necessary to avoid irritation, and also to lock the traces in the hooks attached to the hames.

It consists, first, of plates concave on the back to adapt them to fit the convex face of the hames, and at the front provided with a number of jaws perforated with intervening recesses to receive the knuckles of the hook and locking-plate, whereby the said hook can be shifted to a higher or lower position and locked to prevent the trace from slipping therefrom; secondly, of a locking-plate pivoted to the hook and forming one of the knuckles, so that when secured to the jaw-plate the hook is closed and the trace locked.

In the accompanying drawings, Figure 1 is a front view of the hames provided with my improved irons. Fig. 2 is an edge view of one side of the same. Fig. 3 is a section of one of the hames and plate on line *x x*, and Fig. 4 is a detail of the hook.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A are the two parts of the hames. B B are the plates attached to the face of the hames. These plates are made concave on the under side to adapt them to fit closely to the convex face of the hames, as clearly shown in Fig. 3. On the outer side and at the back edge are a series of jaws, *a*, with recesses between and holes made through them in line for receiving the pintle *b*.

C C represent the hooks for connecting the traces. The back of the hook is formed into a knuckle, *b'*, with a hole through it for the pintle, and is adapted to fit in the recesses between the jaws.

D is a plate pivoted to the shank of the hook at *c*, and having a point which extends over and joins, when closed, the point of the hook, and at the opposite end is a knuckle, *d*, in line with knuckle *b'* of the hook, so as to fit in the recess above the one occupied by knuckle *b'*.

When the end of the trace is to be hooked to the hames-hook C the locking-plate D is turned on its pivot into the position it occupies in Fig. 4, leaving the hook open. The trace is now hooked over it and the plate turned up until its point engages the point of the hook and its knuckle is in line with that of the hook, as in Fig. 1. The knuckles are now inserted between the jaws in adjoining recesses and the pintle run through, connecting the hook with the hame, and at the same time locking the hook so that the traces cannot draw out.

By closing the point of the hook another advantage is obtained—viz., it is prevented from catching into the harness of the next horse.

In case the horse's shoulders become sore, and it is desired to shift the strain from that part, the hook C and plate D are removed from the position they occupy and connected with the plate B higher up or lower down, as may be necessary, to relieve the part from the direct pressure in drawing.

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

1. As an improvement in hames, the plate B, with concave under side to adapt it to fit closely to the convex face of the hames, and provided with a series of jaws, *a*, with intervening recesses to receive the knuckles of the hook, in combination with the hame A and hook C, provided with knuckle *b'*, and locking-plate D, having knuckle *d* and pintle *b*, whereby the said plate is adapted to receive the two knuckles of the hook and plate in a higher or lower position and lock the hook so as to prevent the trace from slipping therefrom, substantially as described.

2. The hook C, with knuckle *b'*, in combination with the plate D, pivoted thereto at *c*, and having projecting point to join the point of the hook, and a knuckle, *d*, the two knuckles being adapted to be fitted between the jaws *a* of the plate B and secured by pintle *b*, whereby the hook is connected with the plate B and the plate D is locked in contact with the hook, substantially as described.

JAMES M. DAVIS.

Witnesses:

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AUGUSTUS A. GENERELLY.