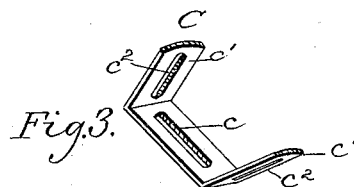
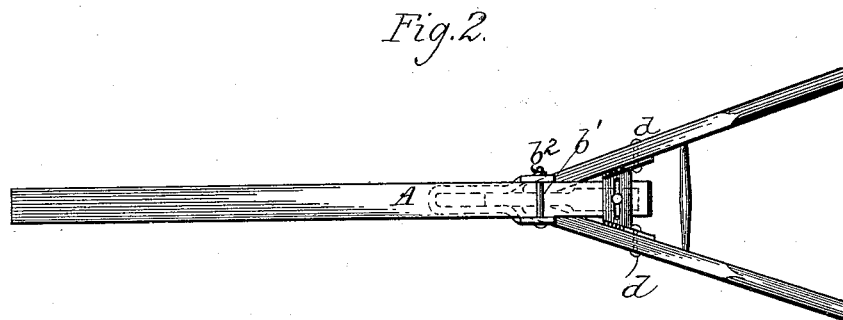
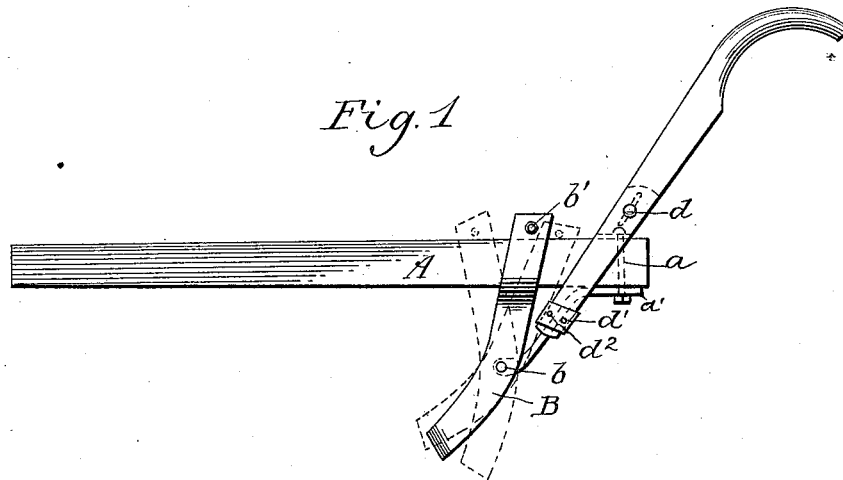


(No Model.)

M. B. HELLER.  
PLOW.

No. 430,123.

Patented June 17, 1890.



Witnesses  
M. E. Lundale  
A. E. Glascock

Inventor  
M. B. Heller  
By his attorney  
John D. Duffie

# UNITED STATES PATENT OFFICE.

MICAJAH B. HELLER, OF BROYLES, SOUTH CAROLINA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 430,123, dated June 17, 1890.

Application filed March 15, 1890. Serial No. 344,004. (No model.)

*To all whom it may concern:*

Be it known that I, MICAJAH B. HELLER, a citizen of the United States, residing at Broyles, in the county of Anderson and State of South Carolina, have invented certain new and useful Improvements in Plows; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to plow-stocks; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a side elevation of my plow-stock. Fig. 2 is a top view of Fig. 1. Fig. 3 is a perspective view of the handle-brace.

My invention is described as follows: To the rear end and underface of a straight beam A, I attach by a substantial bolt and nut *a* a curved brace *a'*. To the lower end of said brace is fulcrumed a plow-standard B. This plow-standard is composed of a thin flat bar of metal bent so that one end of it will be on one side of said beam and of the brace *a'* and the other end will be on the other side of said plow-stock and said brace, thus leaving a space the thickness of the lower end of said brace between said pieces. Said plow-standard is fulcrumed a little more than half-way below its center to the brace *a'* by means of a bolt and nuts *b*, and through its upper ends and just above the upper edge of the beam A passes another bolt *b'*, provided with an ear-nut *b''*, so that the said two upper ends may be made to firmly press against the sides of said beam and hold the said foot at any angle at which it may be placed, as indicated by the dotted lines in Fig. 1. Near the rear end and on the upper face of said beam and un-

der the head of the bolt *a* is secured a handle-brace C, the bolt passing through the slot *c*, which is made of considerable length, so that the handles may be inclined to the right or left, and thus give the desired angle to the plow-standard B. Said handle-brace is provided with extensions *c'*, which incline upward, outward, and backward, and said extensions are provided with vertical slots *c''*, so that the said handles, which are secured to said braces by means of nuts and bolts *d*, may be raised and lowered to suit the operator. The lower ends of said handles are each provided with a broad thin band *d'*, to keep the same from splitting, and the said ends are held together by means of bolts *d''*, which pass through said bands, said handles, and on either side of said rod *a'*, thus enabling the lower ends of said handles to slide up and down said rod.

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

The combination of the beam A, curved brace *a'*, secured to the rear end and lower face of said beam, slotted plow-standard B, fulcrumed to the lower end of said brace by the bolt *b*, bolt *b* and ear-nut *b''*, adapted to clamp the two upper ends of said standard against the side of said beam, handle-brace C, having extensions *c'* and slots *c* and *c''*, bolts *d*, securing handles to said brace, bands *d'* around the lower ends of said handles, and bolts *d''*, passing through said bands and handles and on either side of said brace, substantially as shown and described, and for the purposes set forth.

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

MICAJAH B. HELLER.

Witnesses:

S. R. HELLER,  
W. F. M. FANT.