

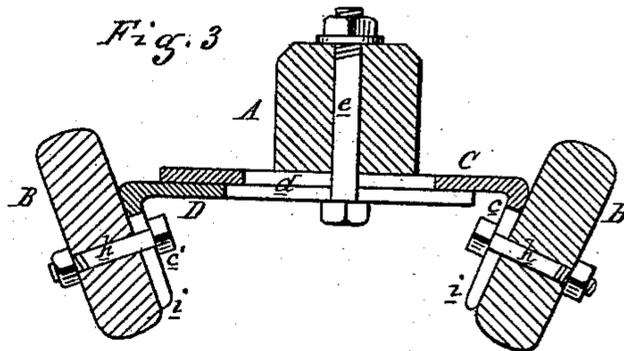
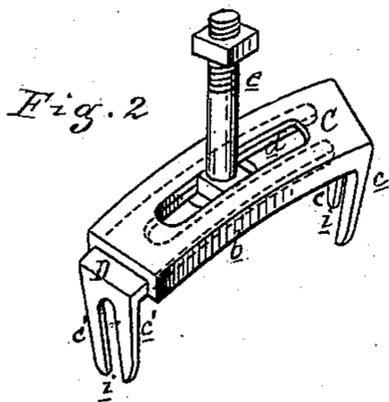
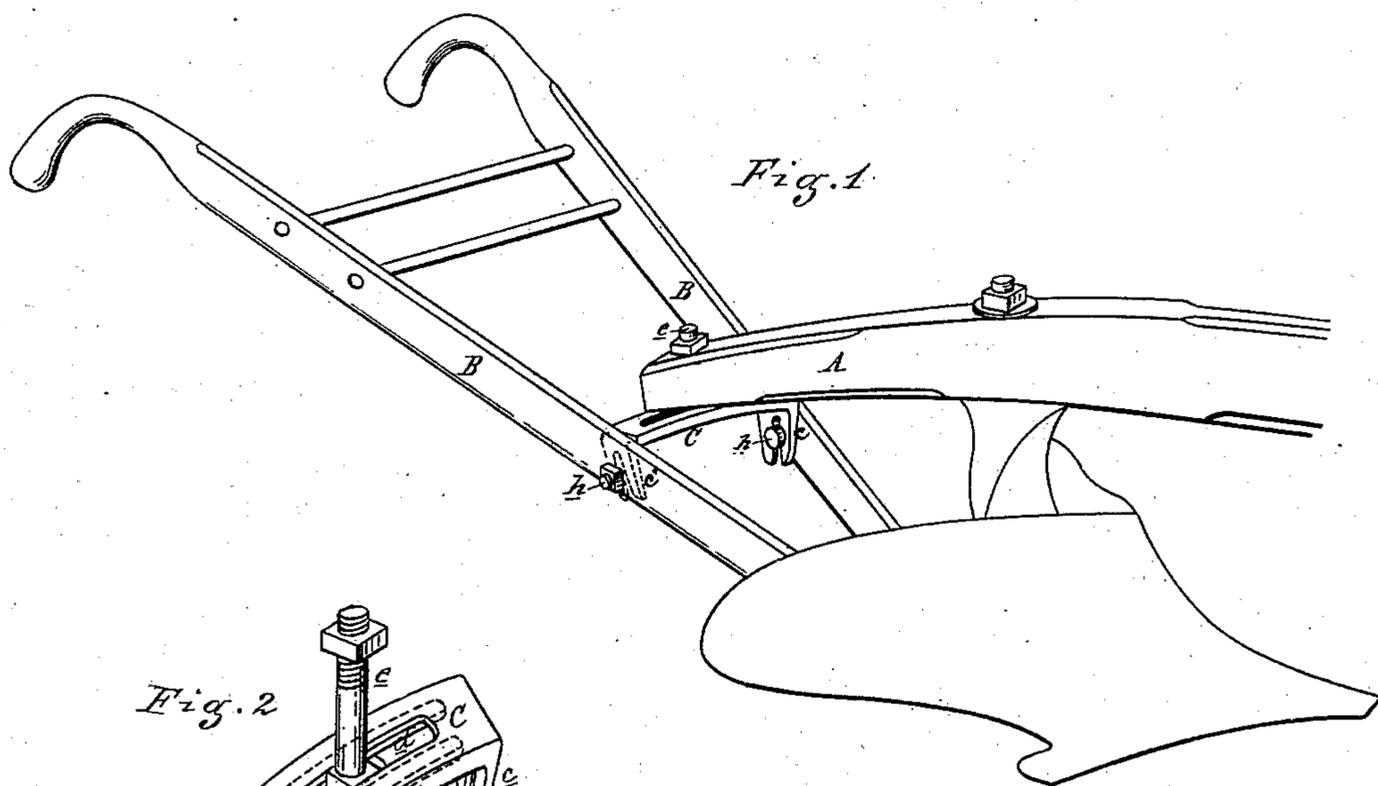
(No Model.)

R. C. MERITT.

Plow.

No. 235,639.

Patented Dec. 21, 1880.



Attest:
N. Barthel
Theo. S. Day

Inventor:
R. C. Meritt
By Atty
Theo. S. Day

UNITED STATES PATENT OFFICE.

RICHMOND C. MERITT, OF DE WITT, MICHIGAN, ASSIGNOR OF TWO-THIRDS
TO JOHN E. JAYNE, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 235,639, dated December 21, 1880.

Application filed June 25, 1880. (No model.)

To all whom it may concern:

Be it known that I, RICHMOND C. MERITT, of De Witt, in the county of Clinton and State Michigan, have invented an Improvement in Plows, of which the following is a specification.

The nature of my invention relates to certain new and useful improvements in the construction of plows, by means of which the beam may readily and easily be adjusted laterally to or from the land, for two or three horses, and vertically.

The invention consists in the peculiar construction of the device by which the above-re-cited result is produced, and its combination with the handles and beam of a plow, as more fully hereinafter set forth and described.

Figure 1 is a perspective view of a plow with my improvement attached. Fig. 2 is a detached perspective of my improved attachment. Fig. 3 is a longitudinal vertical section at the points of intersection of the beam and handles with the attachment.

In the accompanying drawings, which form a part of this specification, A represents a plow-beam, and B the handles, of the usual construction.

In Figs. 2 and 3, C represents a segment, terminating at its outer end in a downwardly-projecting and bifurcated ear, *c*. The sides of this segment are provided with flanges *b*, to embrace and form guides for the other part of the device, which D represents in the same figures. This part D is a flat segment, its outer end terminating in an ear, *c'*, similar to the ear *c*. Both the segments are provided with coincident radial slots *d*, and a bolt and nut, *e*, passing through the slots and through the end of the beam A, secures the parts together. By loosening the nut the end of the beam may be thrown to the right or left, as desired, and secured by tightening the nut again.

The object of having the segment composed of two parts, the one sliding upon and within the other, is to enable it to be easily adapted to all sizes of plows and the varying distances between the handles. The ears *c c'* are secured to the inner faces of the handles, as in Figs. 1 and 3, by bolts *h*, passing through perforations in the handles, and the slots *i* in the ears. By loosening the nuts on these bolts the end of the beam may be raised or lowered and secured in place by again tightening the nuts. By this means the pitch of the plow is adjusted as desired.

I am aware that the rear end of a plow-beam has heretofore been adjusted both vertically and laterally, and I therefore lay no claim, broadly, to such adjustments, my invention being confined to the particular devices I employ to effect said adjustments.

I am also aware that the handles and teeth of cultivators have been heretofore adjusted horizontally by means of slotted plates sliding on each other and held in any desired position by a bolt and nut, and I therefore lay no claim to such construction.

What I claim as my invention is—

The combination, with the plow-beam A and perforated handles B B, of the slotted segment C, having bifurcated ear *c* and side flanges, *b*, slotted segment D, provided with the bifurcated ear *c'* and adapted to slide between the flanges of the segment C, the slots in the segments registering with each other, and bolts *e h*, whereby the end of the plow-beam may be adjusted both laterally and vertically and the device be attached to plow-handles of different widths between them, substantially as described.

RICHMOND C. MERITT.

Witnesses:

J. A. SWEET,
LILLIAN PIKE.