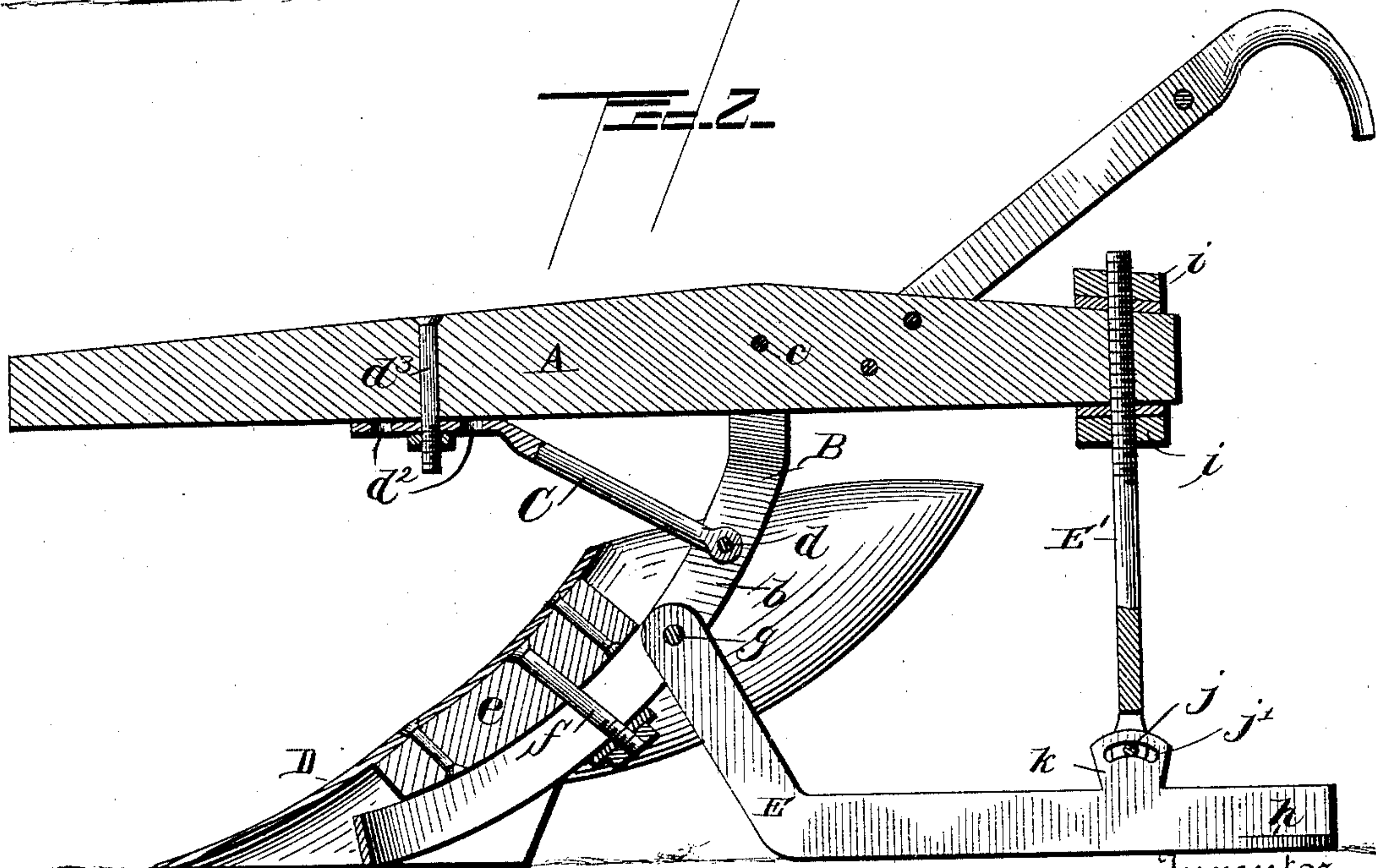


2 Sheets—Sheet 1.

No. 435,045.

Patented Aug. 26, 1890.



Inventor

Robert Muesse,
By his Attorney, J. R. Littell,

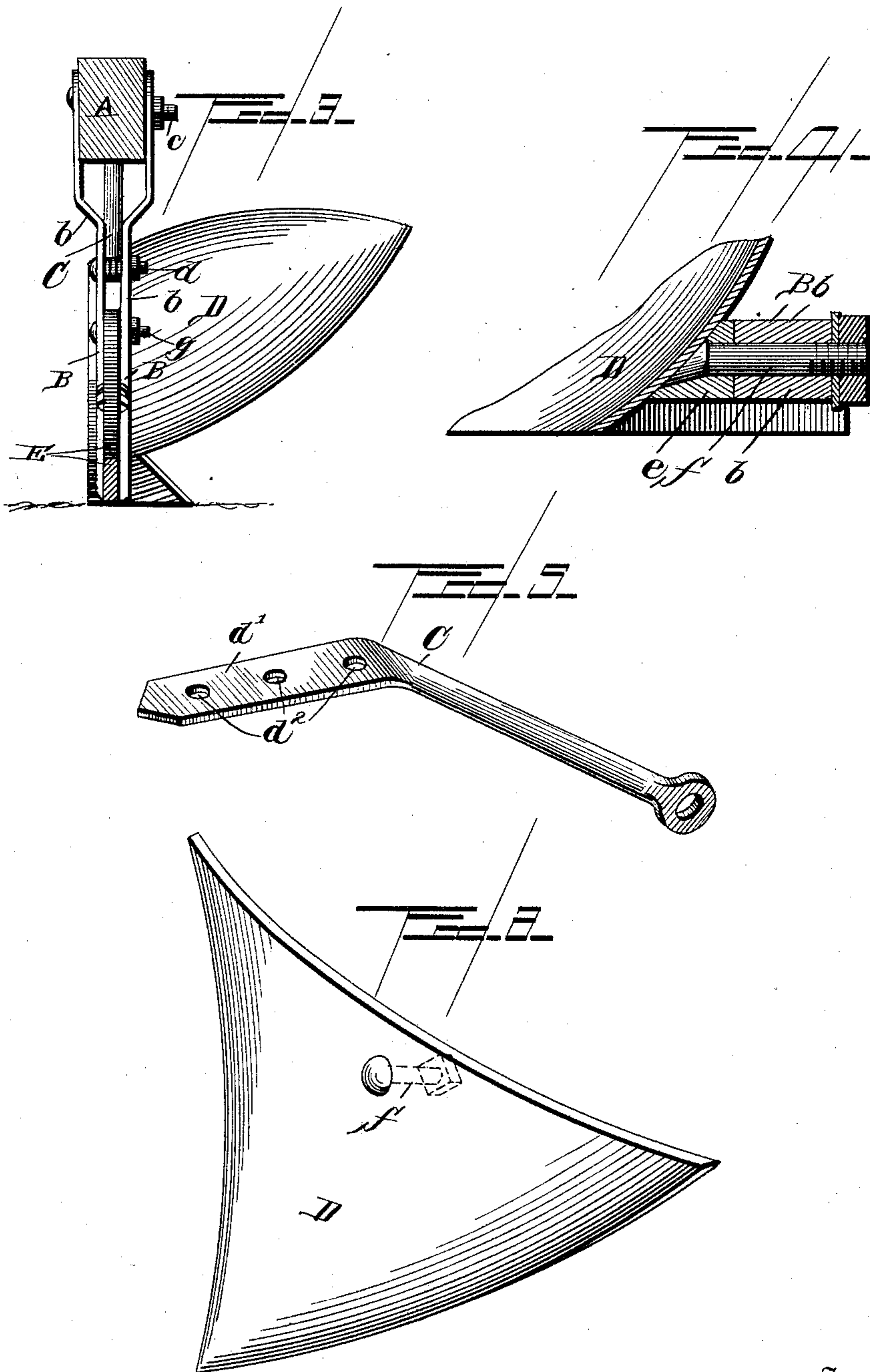
(No Model.)

2 Sheets—Sheet 2.

R. MUESSE.
PLOW.

No. 435,045.

Patented Aug. 26, 1890.



Witnesses

Henry S. Dieterich,

Wm. J. Little,

Inventor:

Robert Muesse,

By his

Attorney,

J. R. Littell,

UNITED STATES PATENT OFFICE.

ROBERT MUESSE, OF FAYETTEVILLE, TEXAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 435,045, dated August 26, 1890.

Application filed June 27, 1889. Serial No. 315,759. (No model.)

To all whom it may concern:

Be it known that I, ROBERT MUESSE, a citizen of the United States, residing at Fayetteville, in the county of Fayette and State of Texas, have invented certain new and useful Improvements in Plows, of which the following is a specification.

This invention relates to certain improvements in plows; and it consists of the novel construction and combination of parts, as will fully appear from the following explanation and accompanying illustration, in which—

Figure 1 is a side elevation of my improved plow. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a sectional elevation taken just in rear of the standard or foot-bar of the plow. Fig. 4 is a detail sectional view showing the bolt and "block" attachment of the plow proper to the foot-bar or standard; and Fig. 5 is a detail perspective view of the plow-foot brace, more fully disclosing its adjusting-apertures. Fig. 6 is a detail perspective view of the cultivator attachment.

In carrying out my invention I employ a beam or stock A, which is of suitable construction and to which is connected the standard or foot-bar B. The standard B is of approximately U shape, being formed with arms or branches *b b* extending upward from the curved cross portion, uniting the lower ends of said arms or branches and embracing at their slightly-diverging upper ends the beam A; to which they are secured by a single bolt *c*, the latter thus serving as a pivotal point for the foot-bar or standard. To this foot bar or standard is applied a brace-rod C, one end having an eye received between the arms or branches of the foot-bar or standard and a bolt *d* passing also through said arms. The other end of the brace C has a flat or plate-like portion *d'* fitting against the under side of the beam or stock A in rear of the plow proper, and having a number of adjusting-apertures *d''*, which are engaged by a bolt *d'''*, projecting from the under side of the beam or stock, whereby the foot-bar or

standard, with the plow proper, can be adjusted at its lower end forward or rearward, varying the angle of presentation of the plow to the ground, as may be desired.

D is the plow proper, which rests near its lower end or point upon the forward or lower end of the foot-bar or standard B, and embedded at one end in a block *e* upon the under side of the plow is a bolt *f*, which reaches out between the arms or branches of the said bar or standard and is suitably nutted. This arrangement permits the vertical adjustment of the plow according to the depth of penetration it is desired to impart to the same.

E is a rudder or landside-bar, which has its upwardly-inclined forward end connected by a pivot-bolt *g* to and between the arms or branches of the foot-bar or standard B. At the extreme rear end of the landside-bar E, upon its lower edge, is a rearwardly-widened or flared portion *h*, in order to steady the landside. This landside-bar E is connected and held adjustably to the rear end of the beam or stock A by a rod *E'*, the upper end of which is held in position by nuts *i i*, and the lower end having a bolt *j* engaging a curved slot *j'* in a plate-extension *k* of the upper edge of the said landside-bar, whereby the plow can be adjusted to run shallow or deep.

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

In a plow, the combination, with the beam, of a plow-standard carried thereby and adjustable in relation thereto, a plow adjustably and removably secured to the standard, and an adjustable land-bar, all arranged and adapted to operate substantially as and for the purpose set forth.

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

ROBERT MUESSE.

Witnesses:

H. W. H. ZAPP,
MAX MEITZEN.