

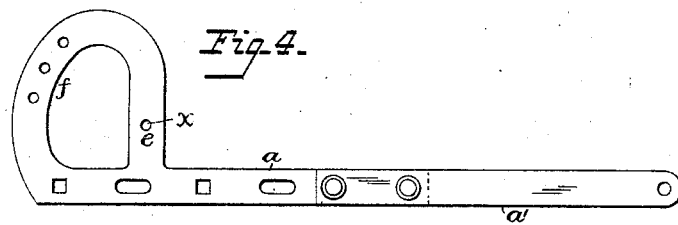
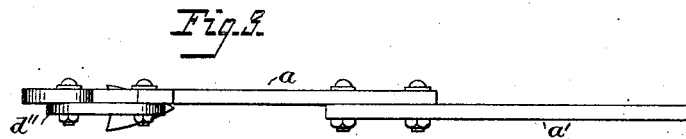
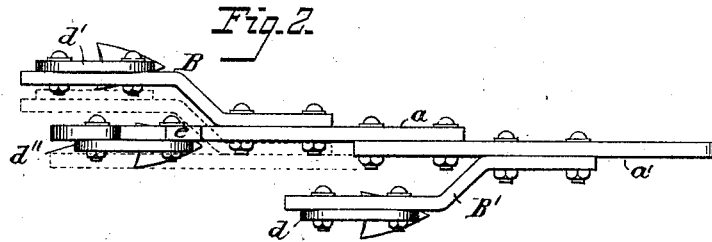
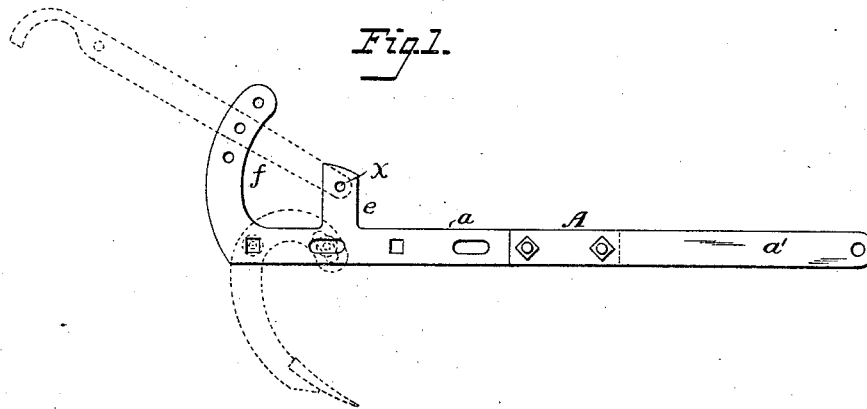
(No Model.)

W. J. DAVIDSON.

PLOW.

No. 265,763.

Patented Oct. 10, 1882.



Attest:
Courtney A. Cooper
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By his attorney,
Charles E. Foster

UNITED STATES PATENT OFFICE.

WILLIAM J. DAVIDSON, OF BIG SPRING, VIRGINIA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 265,763, dated October 10, 1882.

Application filed March 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. DAVIDSON, of Big Spring, Montgomery county, Virginia, have invented certain Improvements in Plows, of which the following is a specification.

My invention relates to that class of plows in which the standards are connected to brackets adjustable on the beam; and my invention consists in constructing the beam, as fully described hereinafter, so as to secure a greater variety of adjustments and secure greater stability and a better control of the implement, and so as to facilitate the connection of the handles and shorten their length.

In the drawings, Figure 1 is a side view of a plow-beam, showing my improvements. Fig. 2 is a plan of the beam and attachments. Fig. 3 is a plan showing the beam and standard as adjusted for one plow blade. Fig. 4 is a modification.

The beam A is constructed to support either a single standard, as shown in Fig. 3, or a standard and adjustable brackets, B B', as shown in Fig. 2, the construction and adjustment of the standards and brackets being preferably those shown in the Letters Patent granted to me August 31, 1880, No. 231,701, and March 14, 1882. In place of making the beam in one continuous piece, as heretofore, I divide it into two sections, *a a'*, the inner ends of which are overlapped and secured together by bolts, clamps, or in any other suitable manner. By constructing the beam in this way a greater variety of adjustments for the plows may be secured. Thus the arrangement of beam-sections *a a'*, brackets B B', and standards *d d' d''* (shown in Fig. 2) spreads the standards *d d'* wide apart and permits the use of the middle third standard, *d''*. When the third standard, *d''*, is not required it is removed and the section *a* is bolted to the opposite side of the section *a'*, as shown in dotted lines, Fig. 2, thus bringing the standards *d d'* closer together, while maintaining them practically central with the line of draft.

When but a single plow is required the standards and brackets are all removed, and the plow-standard *d''* is replaced on the same side of the section *a* as the section *a'*, being thus secured in the line of draft.

In that class of plows in which the standards are secured to the sides it has been necessary to extend the plow-handles forward beyond the connections of the beam and standards. This necessitates the use of very long handles. To avoid this I connect the handles to an extension, *e*, of the beam at a point, *x*, above the upper edge, which permits me to connect the handles as near the rear end as is desired, whatever may be the position at which the standards or brackets are attached. This extension may be an arm or lug, and at the rear end of the beam is a curved guide or standard, *f*, having a series of openings for the passage of a bolt to secure and brace the handles at any desired angle. By this construction I am enabled to secure a strong support for the handles and a better control of the implement, while using a beam of comparatively light weight and handles much shorter than heretofore.

In some cases the lug *e* and guide *f* may be connected, as shown in Fig. 4.

I claim—

1. The combination of the divided plow-beam having the straight sections overlapping and secured, and one or more adjustable brackets and standards secured to each section, as specified.

2. The beam *a a'*, having the turned-up end *f* and the lug or projection *e*, in combination with the handles and the adjustable brackets and standards, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses:

W. J. DAVIDSON.

Witnesses:

H. B. ZEVELY,
WILLIAM PAXTON.