

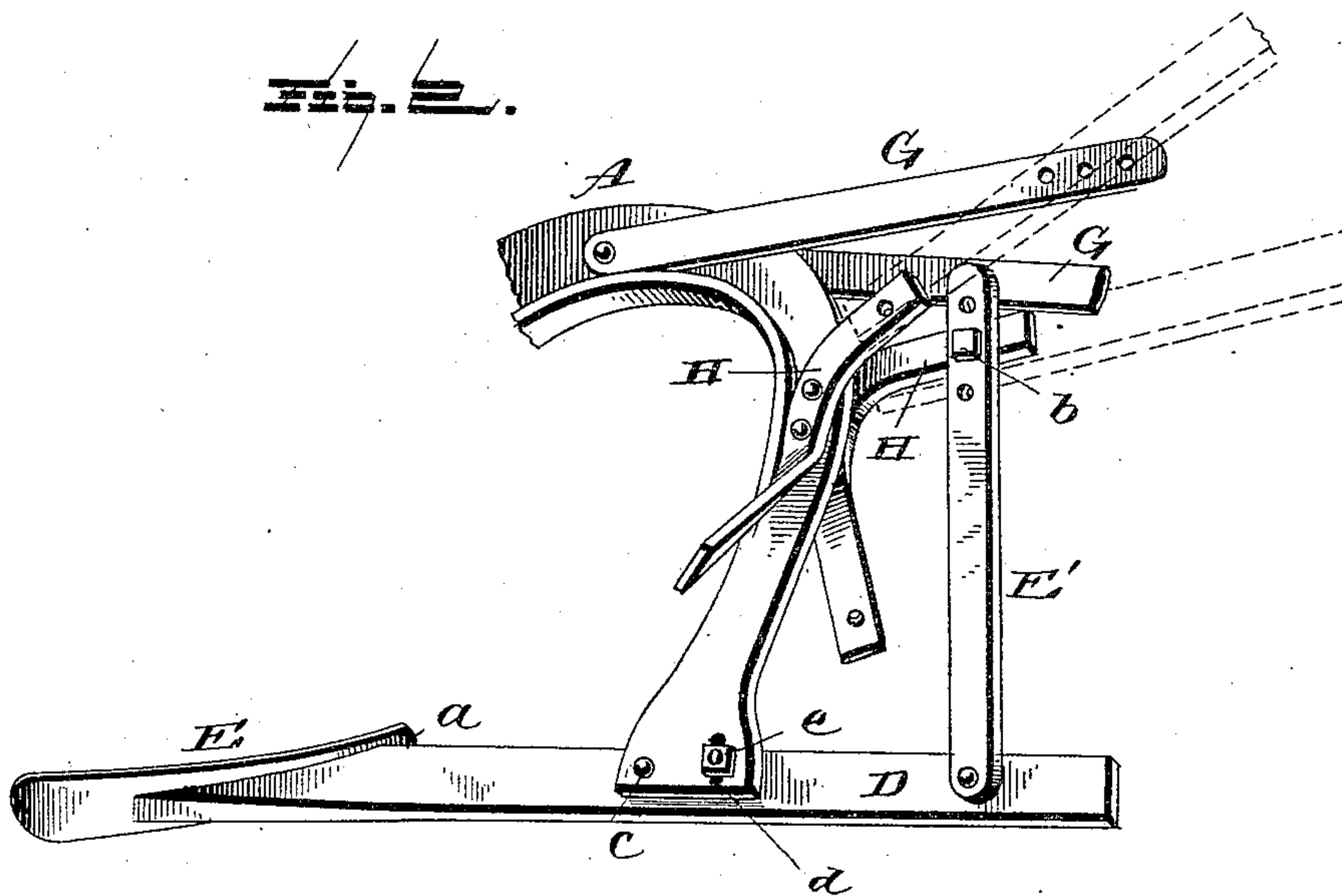
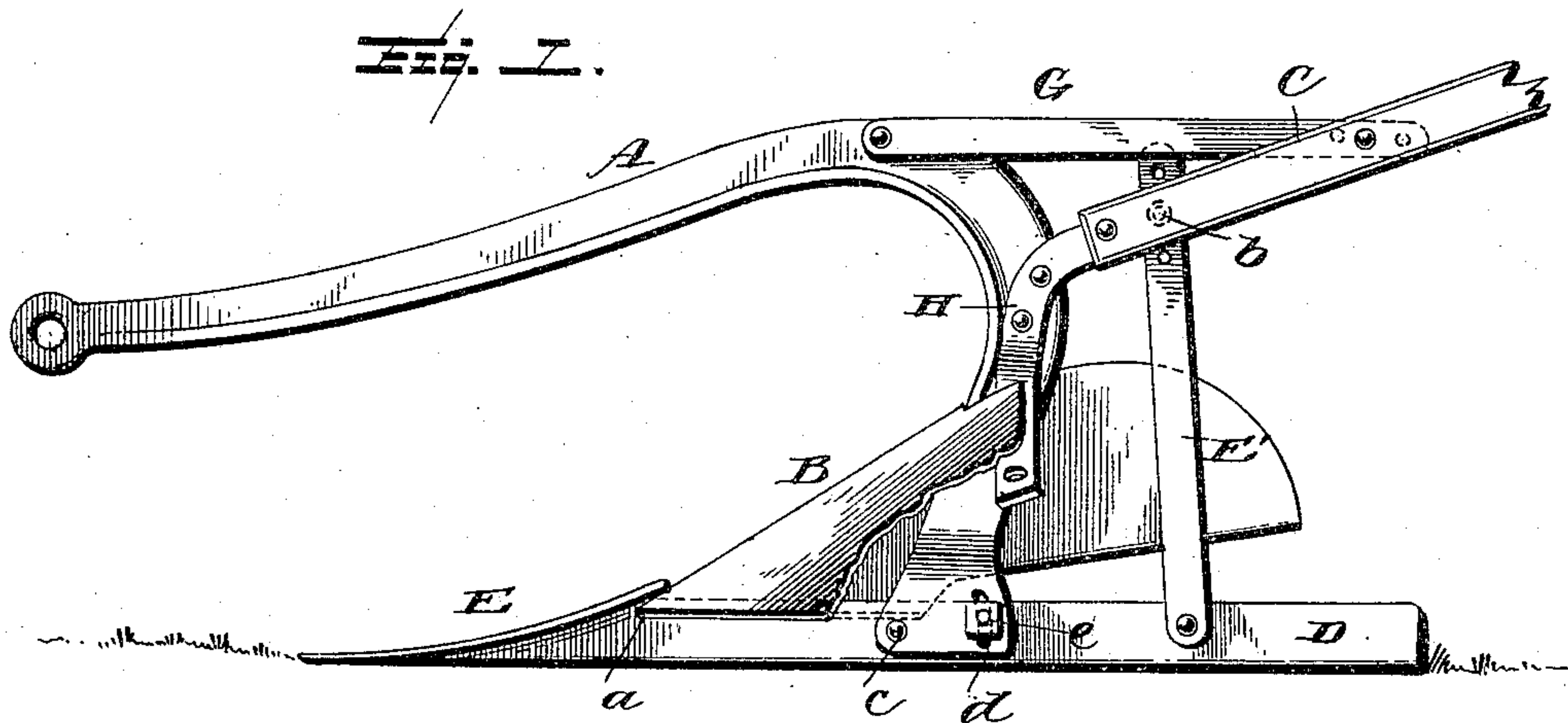
(No Model.)

2 Sheets—Sheet 1.

A. WILHELM.
PLOW.

No. 429,670.

Patented June 10, 1890.



Witnesses
L. C. Hills.
A. B. Rawlings

Inventor
Albert Wilhelm.
per Cha. N. Fowler
Attorney

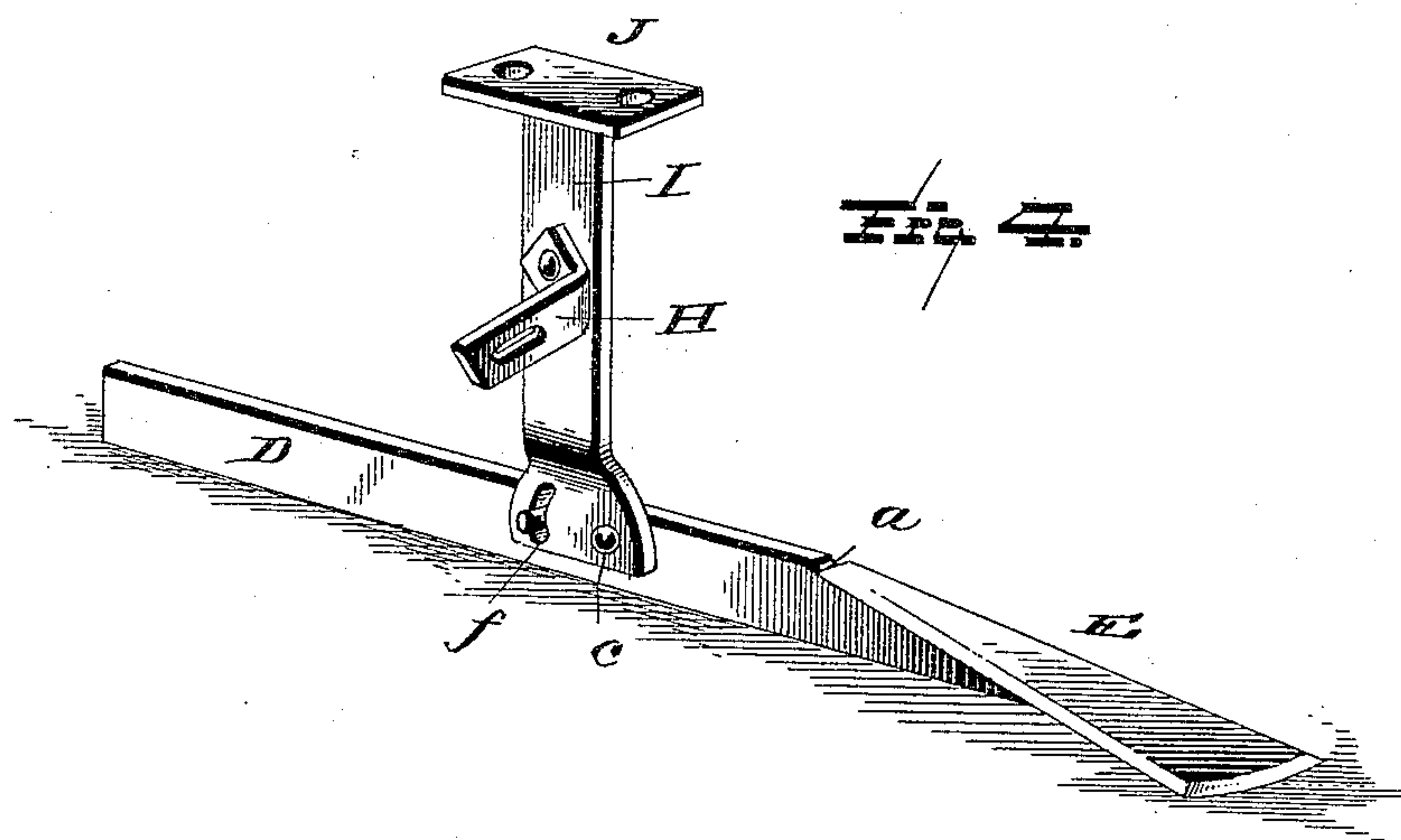
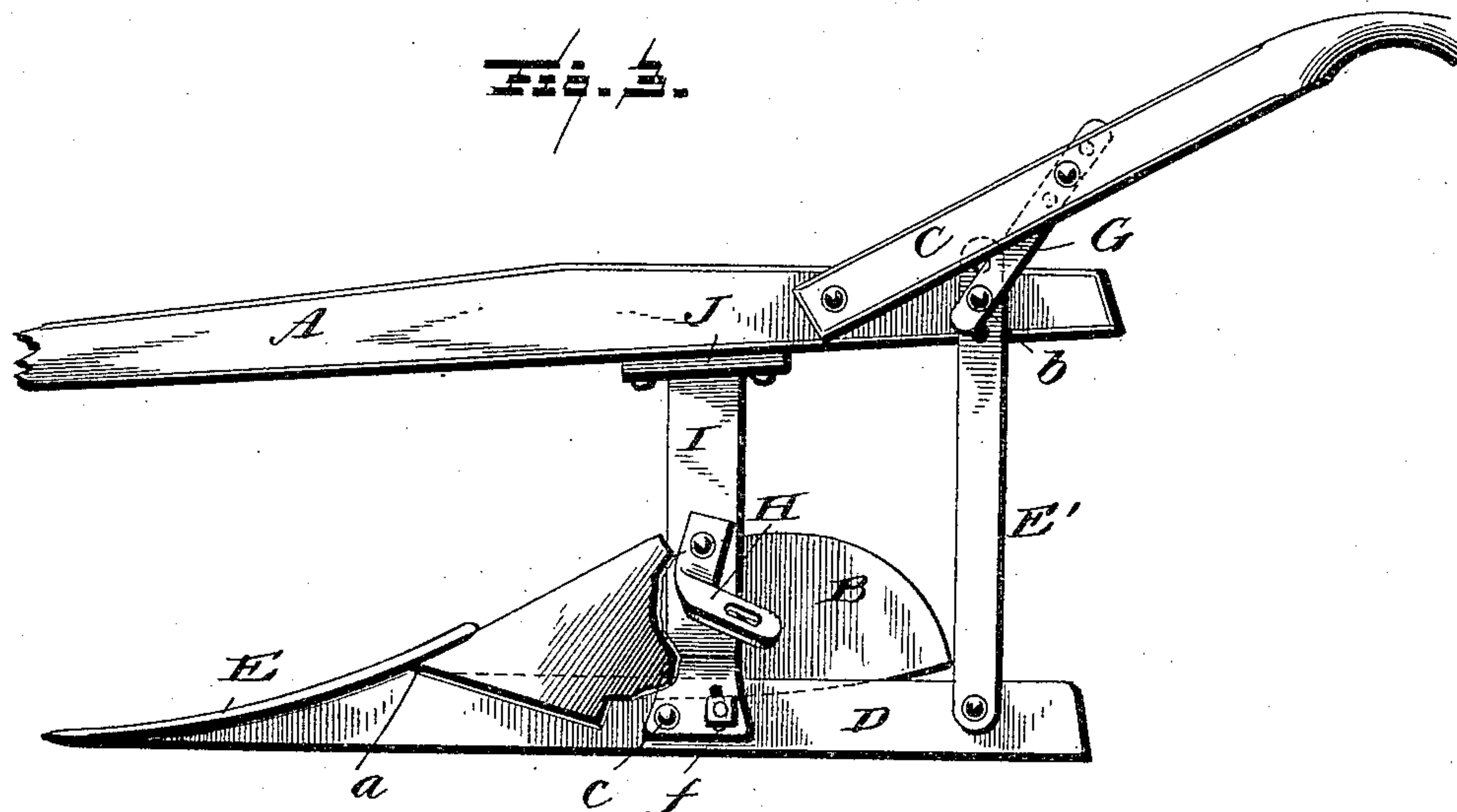
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UNITED STATES PATENT OFFICE.

ALBERT WILHELM, OF BRENHAM, TEXAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 429,670, dated June 10, 1890.

Application filed April 5, 1890. Serial No. 346,648. (No model.)

To all whom it may concern:

Be it known that I, ALBERT WILHELM, a citizen of the United States, residing at Brenham, in the county of Washington and State of Texas, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in plows; and it has for its object, among others, to provide an improved device of this character, which may be readily converted from a turning-plow to a shovel-plow, or from a shovel-plow to a turning-plow, by resetting the bar, mold-board, and share, and which may be used either with a steel or wood beam, as desired.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation, with parts broken away, of a plow provided with my improvements. Fig. 2 is a perspective view, with parts removed and others broken away, showing the parts constituting my invention. Fig. 3 is a side elevation, with parts broken away, showing my improvements applied to a wooden plow-beam. Fig. 4 is a perspective view of a portion of my device removed from the plow.

Referring now to the details of the drawings by letter, A designates a plow-beam of known construction. In Figs. 1 and 2 it is a metal beam, while in Fig. 3 it is of wood.

B is the mold-board, and C are the handles to the plow.

D is a bar, carrying at its forward end the point E, which may be of various shapes, as shown, for instance, in Figs. 2 and 4, and at the rear end of the point at its junction with the said bar, it being preferably integral therewith, there is formed a cut or recess *a*, beneath which or into which the forward end of the mold-board enters, as shown more

clearly in Fig. 1, and thus held and prevented from displacement in operation. The rear end of this bar is supported by the vertical bar E', the lower end of which is pivotally secured to the said bar, and at its upper end vertically-adjustably connected with the beam or with the handles, preferably by means of a removable bolt *b* and a plurality of holes in the said vertical bar. The handles are pivotally connected with the beam by means of the arms G, as shown in Figs. 1 and 3.

The forward ends of the handles have attached thereto the bars H, which are also connected to the plow-beam and their lower ends bent outward, as shown in Figs. 1 and 2, and to these ends the mold-board or landside is removably secured by suitable bolts.

When a metal plow-beam is employed, the rear end thereof is curved and extended downward sufficiently far for attachment to the bar D, as shown in Figs. 1 and 2, where it is attached at its lower forward corner by a pivot *c*, and at its rear corner provided with a curved slot *d*, through which passes a bolt *e* into the bar D, as shown, so that the same may be moved on its pivot and held in its adjusted position by the bolt in the said slot.

When a wooden beam is employed, as shown in Fig. 3, I form a standard I, which is the equivalent of the rearward and downward extension of the steel beam above described. This standard is at its lower end pivotally connected to the bar D, and at the rear lower corner provided with a curved slot *f* for a like purpose, as the slot in the instance of the employment of the metal beam. The upper end of this standard is formed or provided with a flat head or plate J, provided with suitable holes through which the securing means pass to secure it to the under side of the wooden beam, as shown in Fig. 3. The arms H are attached to this standard in any suitable manner.

What I claim as new is—

1. The combination, with the bar D and the beam connected therewith, of the arms H, attached to the handles and having lateral twisted portions adapted to support the mold-board or landside, substantially as specified.

2. The combination, with the plow-beam and the bar D connected therewith and having a recess at the rear end of the point, ex-

tending beneath the said point, of the arms II, having lateral twisted portions, and the mold-board having its forward end entered in the said recess and at its rear end supported on the said arms, substantially as shown and described.

3. The combination, with the plow-beam having an integral rearward and downward extension, of the bar D, carrying the point and pivotally and adjustably connected with the extension of the beam, the arms on the said extension, the vertical pivoted bar E', connecting the bar D with said arms, and the mold-board secured to said arms, and its lower forward end held beneath the upper edge of the point, as set forth.

4. The combination, with the plow-beam, of the bar D, secured to an extension of the beam, and the vertical bar pivotally connected with the bar and vertically-adjustably con-

nected with the handles, the inclined arms G, connecting said vertical bar with the handles, as set forth.

5. The combination, with the beam, of the bar D, the vertical bar connecting the same, the beam formed with an extension pivotally connected with the bar, the rearwardly-extending inclined arms G, extending from the beam to the handles, the handles, and the arms II on the forward ends of the handles and attached to the beam and adapted to support the mold-board, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALBERT WILHELM.

Witnesses:

EVON LOEFEN,
P. MUNDELIUS.