

(No Model.)

G. STEUDEL.

PLOW.

No. 295,069.

Patented Mar. 11, 1884.

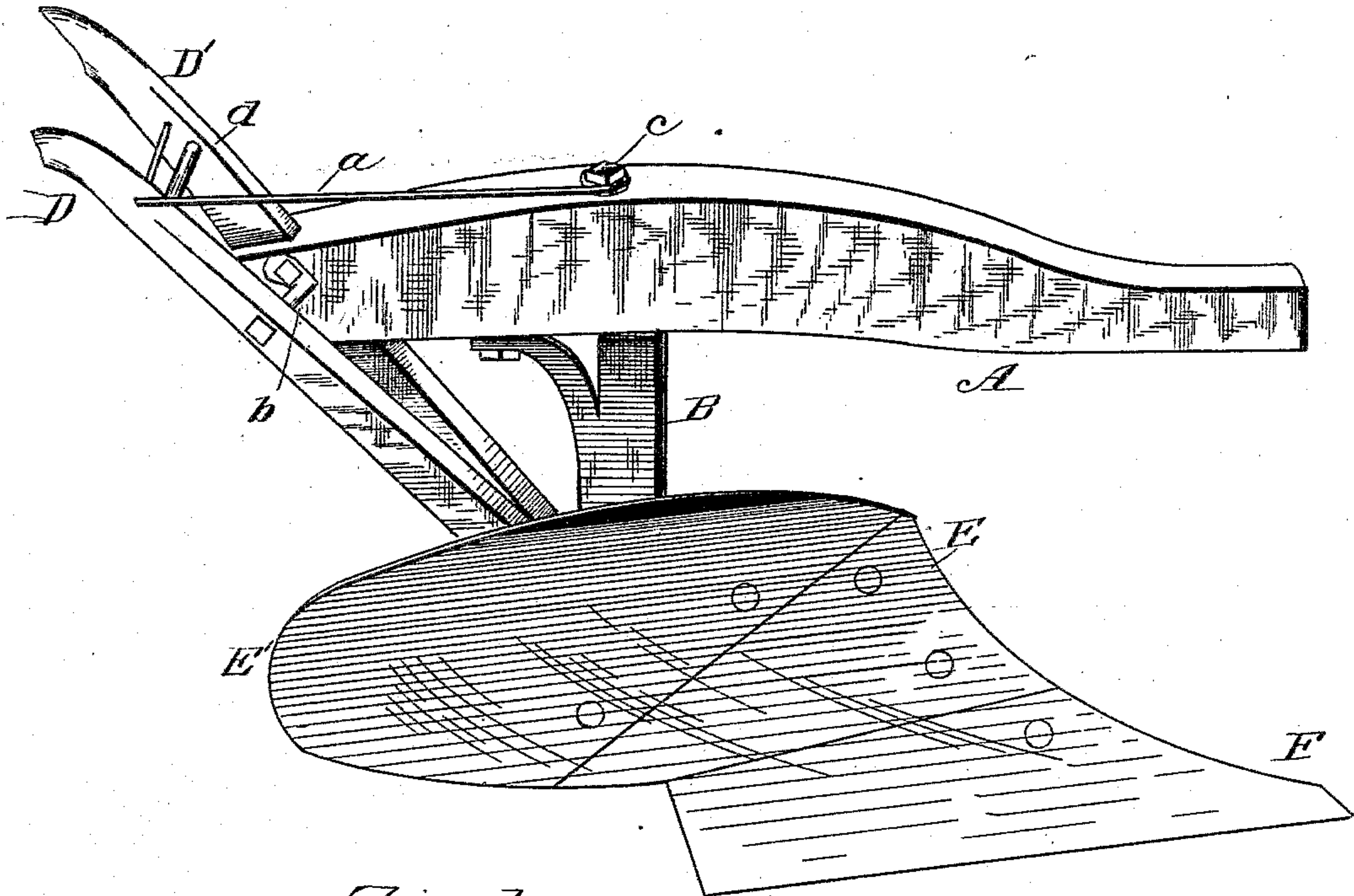


Fig. 1.

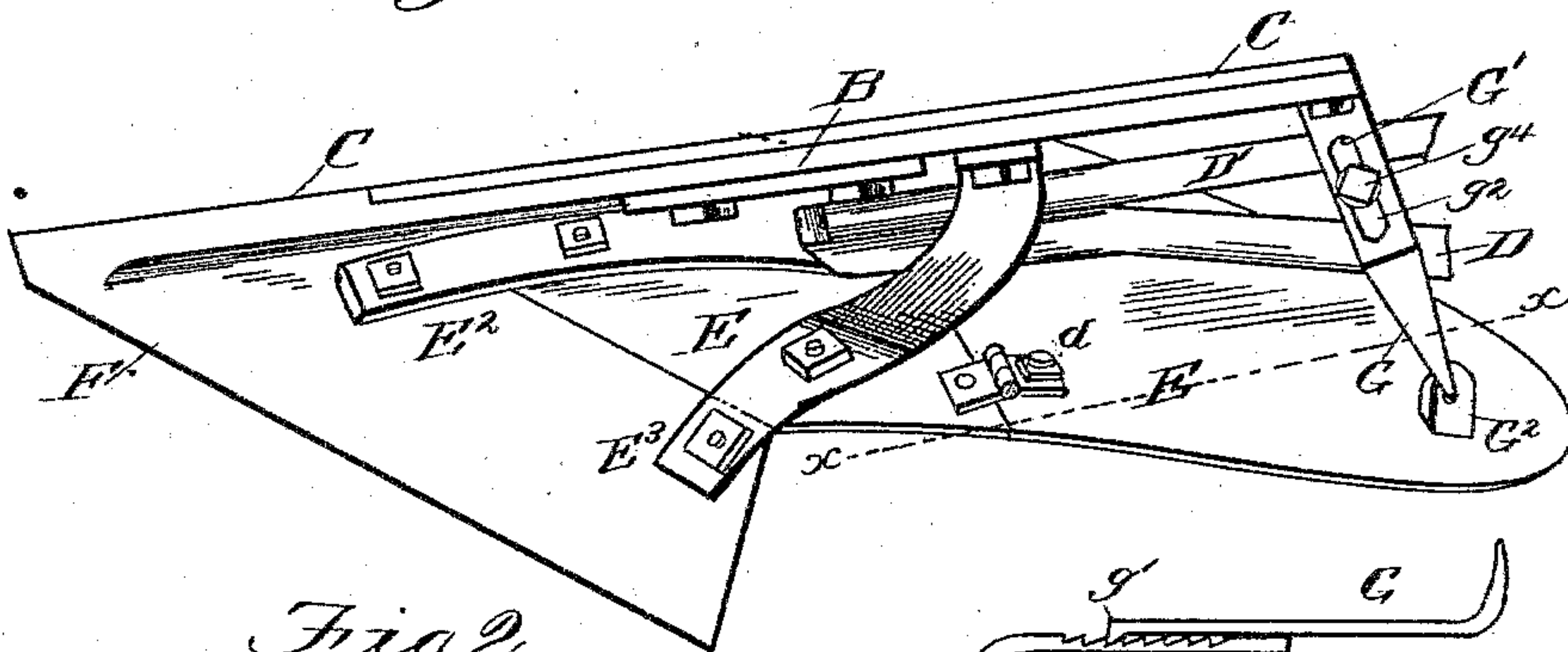


Fig. 2.

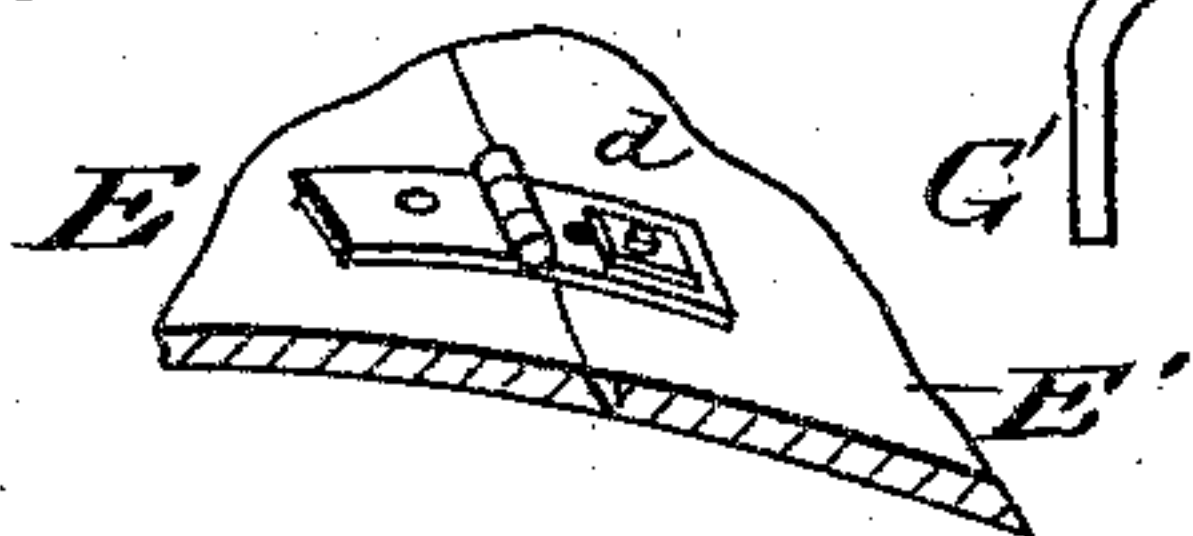


Fig. 4.

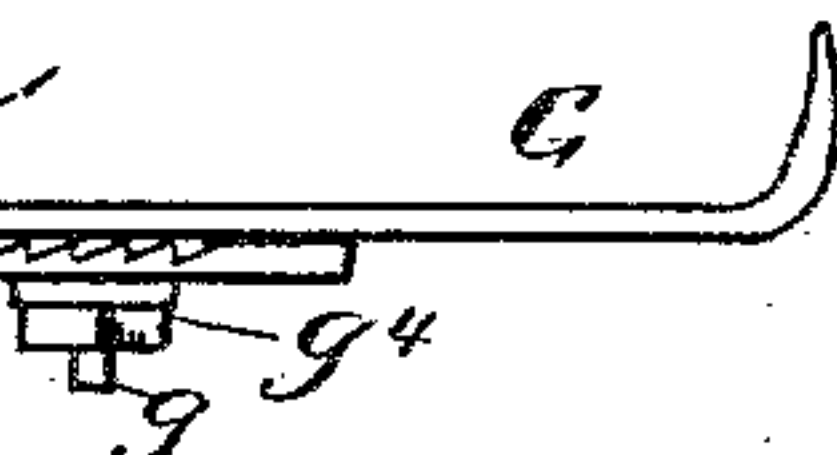


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE STEUDEL, OF CHILTON, WISCONSIN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 295,069, dated March 11, 1884.

Application filed September 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE STEUDEL, a citizen of the United States, residing at Chilton, in the county of Calumet and State of Wisconsin, 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 and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in plows, having for its object the provision of a plow capable of being adapted for plowing either stubble-field or meadow-land, the means whereby this object is accomplished being strong and durable in construction and efficient in operation; and the invention consists of a mold-board in two sections hinged together, one section being rigid and the other one adjustably connected to the landside, substantially as hereinafter described and claimed.

In the drawings, in which like letters of reference indicate like parts, Figure 1 is a perspective view of a plow containing my improvements. Fig. 2 is a bottom view of the same. Fig. 3 is a detail view of the brace which supports the hinged section of the mold-board. Fig. 4 is a cross-section on the line *x x* of Fig. 2, showing the joint between the sections of the mold-board.

Referring to the drawings, A designates the beam of the plow, supported upon a standard, B, securely bolted to the landside C. The handles D D' are bolted to the standard B near its lower end and extend upwardly and rearwardly, one, D', being morticed in the rear end of the plow-beam A, the other, D, being held at a proper distance from the handle D' and the beam by a rod, *a*, which is secured to the top of the standard B by a nut, *c*, and thence passes through the handles D D', to the latter of which it is secured by a nut (not shown) and braces *b d*. The mold-board E E' is divided into two parts or sections, the lower part, E, of which is rigidly secured to the

landside C and plow-point F by metal straps E² E³, bolted thereto. The sections E E' of the mold-board are hinged together, as at *d*, and at their meeting edges are beveled (see Fig. 4) to make a tight joint, thereby excluding lodgment of dirt, and permit adjustment of the hinged sections. The upper part, E', of the mold-board is adjustably secured to the landside by braces G G', the former being pivoted at one end to an eye, G², formed on the mold-board, its opposite end being provided with a bolt, *g*, and tooth *g'*. The brace G' is rigidly bolted to the landside C, and extends upwardly and inwardly, being provided at its inner end with a slot, *g*², and on its upper surface with a series of teeth, into one of which the tooth on the brace G takes when the parts G G' are brought together, and so secured by the bolt *g* and nut *g*⁴. When it is desired to adjust the mold-board, the nut is loosened and the mold-board moved to the desired position, when the nut is again tightened, and the plow is ready for operation. It will be observed that this adjustment of parts can be made without removing the plow from the furrow. The sections E E' are hinged together by an ordinary knuckle-hinge, one leaf of which is rigidly secured to one of the sections, while the other has a slot to receive a threaded bolt provided with a nut.

I am aware that changes in the form and arrangement of the parts composing my invention can be made without departing from the principle or sacrificing the advantages of my invention—as, for instance, the braces G G' can be reversed and the pivoted brace connected to the landside and the rigid brace to the mold-board. I would therefore have it understood that I do not confine myself to the exact construction shown and described, but may make such alterations as fairly fall within the scope of my invention.

I am aware that it is not broadly new to make a mold-board in two sections, one section being rigid and the other hinged thereto, and adapted in various ways to be adjusted nearer to or farther from the landside.

I am aware of Patents Nos. 10,505, of 1854; 176,729, of 1876; and 247,110, of 1881, for a

similar purpose, and the devices therein set forth are not sought to be covered in this application.

What I claim as new is—

- 5 In combination with the landside, point, and beam of a plow, the mold-board made in sections with beveled edges, and hinged together, as shown, the section E' being adjustable, and having eye G², the bar G, having
10 wide tooth g' and bolt g, the ratcheted arm G', having slot g², and the ratchets occupying either side of said slot, the bar G' being piv-

oted loosely to the landside, the bar G similarly pivoted to the movable section of the mold-board, and the nut g⁴, for adjustably locking the bars G G' together, all as and for the purposes set forth. 15

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

GEORGE STEUDEL.

Witnesses:

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HENRY KERSTEN.