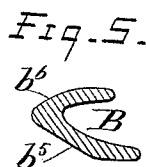
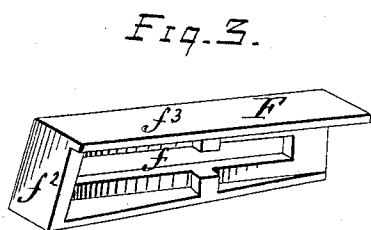
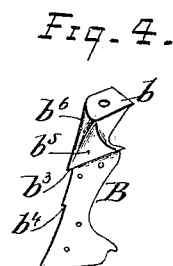
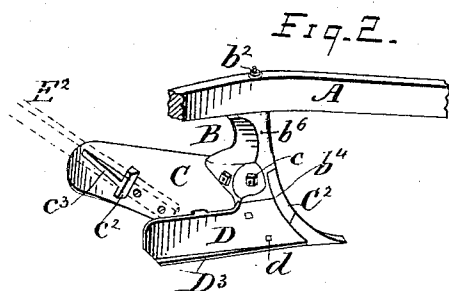
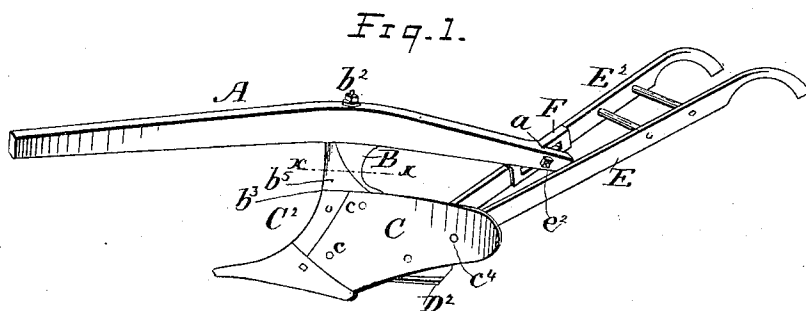


(No Model.)

G. J. BUCKEY, Jr., & O. F. FIRESTONE.
PLOW.

No. 461,627.

Patented Oct. 20, 1891.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE J. BUCKEY, JR., AND OSCAR F. FIRESTONE, OF FREDERICK,
MARYLAND; SAID FIRESTONE ASSIGNOR TO SAID BUCKEY, JR.

PLOW.

SPECIFICATION forming part of Letters Patent No. 461,627, dated October 20, 1891.

Application filed November 13, 1890. Serial No. 371,299. (No model.)

To all whom it may concern:

Be it known that we, GEORGE J. BUCKEY, Jr., and OSCAR F. FIRESTONE, citizens of the United States, residing at Frederick, in the county of Frederick and State of Maryland, have invented certain new and useful Improvements in Plows, of which the following is a specification, reference being had therein to the accompanying drawings.

The objects of our improvement are to provide a plow with a standard of suitable construction to facilitate the automatic discharge of weeds and trash therefrom under the rod; also, to provide simple and reliable means to give more or less land to the plow, and to provide means to retain one of the handles secured to the mold-board at a proper angle, said means being also employed to strengthen said mold-board. We attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a plow constructed in accordance with our invention. Fig. 2 is a rear perspective view of a portion of the same. Fig. 3 is a perspective view on a larger scale of the wedge used to move the rear end of the beam laterally, said view showing the side of the wedge that is to rest against the plow-handle. Fig. 4 is a perspective view of the standard. Fig. 5 is a transverse horizontal enlarged section of the same on line *x x* of Fig. 1.

In said drawings, A represents the beam; B, the standard, having the upper portion hollow, and its top *b* provided with a perforation to receive bolt *b*², by which it is secured to the beam. To one side of the standard is secured the mold-board C and its front plate C² by means of bolts *c*. One side of the standard is provided with a horizontal overhanging shoulder *b*³, against which the upper edge of the mold-board and its front plate abut to relieve the bolts *c* of pressure. The opposite side of the standard is also provided with an overhanging shoulder *b*⁴ for the upper edge of the landside D to abut against and thereby relieve the fastening-bolts of the landside of pressure.

To prevent the accumulation of weeds and trash against the front of the standard, the mold-board side *b*⁵ presents a face which is a

continuation of the face of the mold-board, so that one end of the weeds which may lie in front of the standard will be caught and turned under the sod, and the landside of the standard is made convex and rounded at *b*⁶ to permit said weeds to slide upon said rounded surface and the rounded front edge of the standard and be wholly buried under the turned-over sod.

To provide a proper support for the lower portion of the left handle of the plow and also strengthen the rear portion or wing of the mold-board, the latter is provided on its inner side with a T-shaped rib, the head *c*² of which serves as a support for the handle E and permits it to be secured to the mold-board at a proper angle by the bolt *c*⁴ immediately in front of the head of the rib, and the body *c*³ of the rib extends rearwardly along the back of the mold-board to strengthen it.

The front portion of the landside D is secured to the standard by bolts *d*. It is provided with a sole that extends laterally at D² on the inner side, and also laterally at D³ beyond the outer face of the landside at the rear end thereof, and tapers so that it is even with the face of the landside at its front end.

To give more or less land to the plow, its beam is pivotally secured on top of the standard by the bolt *b*², and its rear end is adjustably secured to the handle E² by means of a bolt *e*², passing horizontally through the rear end of a beam, through a slot *f*, closed at both ends and made longitudinally in a wedge F, and through the handle. Said wedge is preferably made of metal cast hollow, but having its upper or rear end *f*² thicker than its point. It is also provided with a flanged upper side *f*³, adapted to rest upon the handle E², and thus relieve the bolt *e*² of the weight of said wedge, besides retaining the wedge in proper position parallel with the handle upon which it rests. The rear end of the beam is rabbeted or formed with a shoulder *a*, that is made to abut against the top of wedge.

Having now fully described our invention, we claim—

1. In combination with the beam and mold-board of a plow, the standard B, having on one side a shoulder *b*³, resting upon the edge

of the mold-board, and above said shoulder a face b^5 , which is a continuation of the face of the mold-board, a convex face b^6 on the opposite side of the face b^5 , and a rounded front edge perpendicularly above the front edge of the mold-board, substantially as and for the purpose described.

2. In combination with a plow-standard, its beam having a shoulder a at its rear end pivoted thereto, and one of the handles of said plow, a wedge longitudinally slotted and having the slot closed at both ends, and a bolt passing through the rear end of the

beam, through the slot of the wedge located on the inner side of one of the handles and in the rear of the shoulder a , and through said handle, substantially as and for the purpose described. 15

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE J. BUCKEY, JR.
OSCAR F. FIRESTONE.

Witnesses:

MARSHALL FOUT,
FULTON Y. KESSELRING.