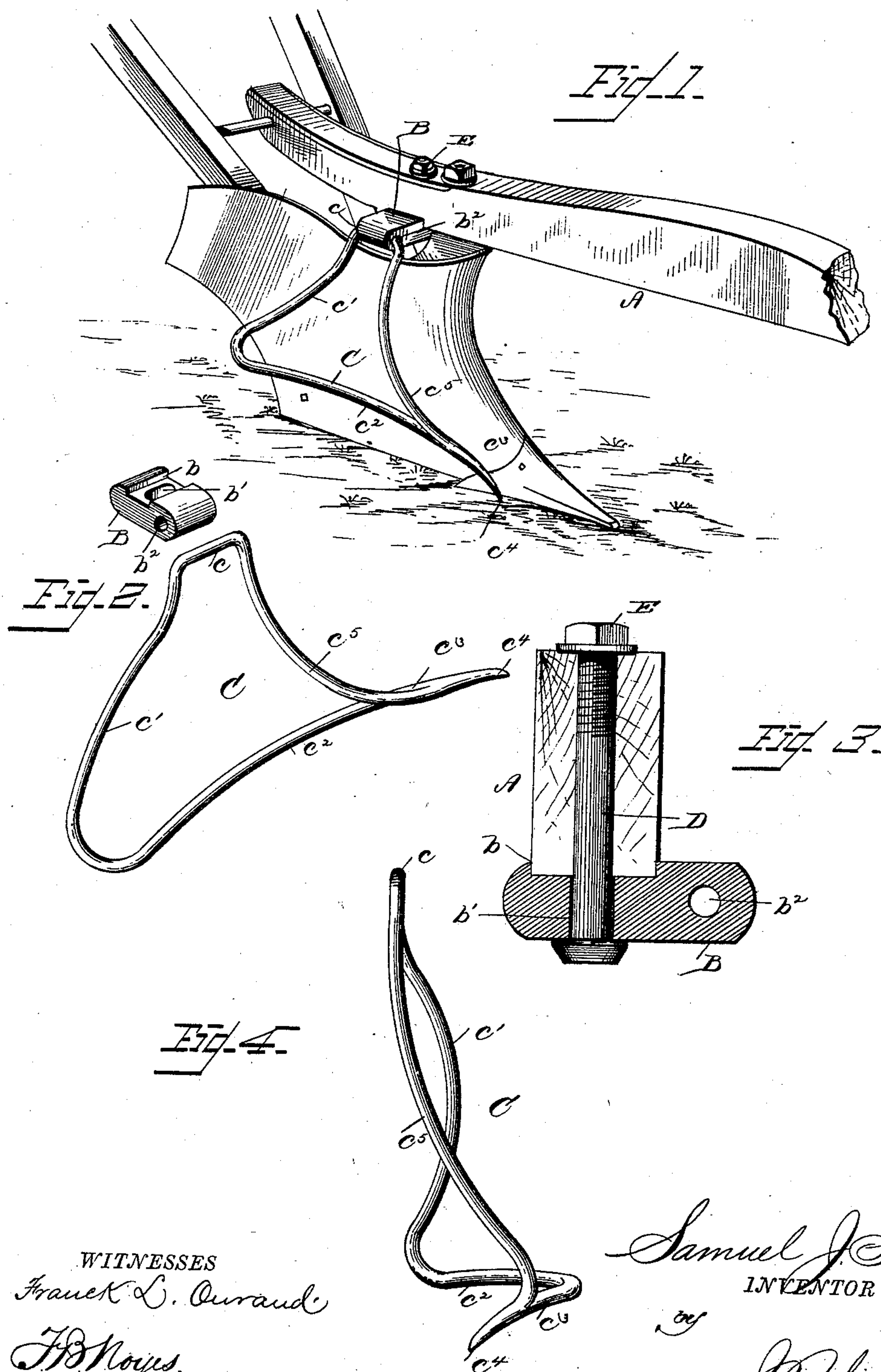


(No Model.)

S. J. STOFER.
WEED HOOK FOR PLOWS.

No. 305,115.

Patented Sept. 16, 1884.



WITNESSES
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UNITED STATES PATENT OFFICE

SAMUEL J. STOFER, OF NORTH LIBERTY, INDIANA.

WEED-HOOK FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 305,115, dated September 16, 1884.

Application filed April 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. STOFER, a citizen of the United States, residing at North Liberty, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Clover and Weed Hooks for Plows; and I do hereby 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.

This invention relates to that class of fenders for plows which are adapted to extend over the mold-board and serve to turn down clover, weeds, &c.

The object of my invention is to provide a simple and improved device which will effectually gather the clover or weeds and retain them down until the earth from the furrow is turned upon the same, and which will, furthermore, possess advantages in point of inexpensiveness, durability, ease of attachment, and general efficiency.

To this end my invention consists, substantially, in an improved hook adapted to the shape of the mold-board, and hung from the beam so that it will extend out over the mold-board, substantially as will be hereinafter more fully set forth.

In the drawings, Figure 1 is a perspective view showing my improved hook in position upon the plow. Fig. 2 is a detail perspective view showing the hook and its securing-block detached. Fig. 3 is a detail transverse sectional view taken through the beam and the block upon which the hook is hung. Fig. 4 is a detail front view of the hook.

Corresponding parts in the figures are denoted by the same letters of reference.

Referring to the drawings, A designates the plow-beam, to which is secured a suitable block, B, upon which the hook C is hung. This hanger-block may be secured at any suitable point upon the beam and the side, top, or bottom of same; but it is preferably provided with a groove, *b*, in its top face, which receives the under side of the plow-beam, as shown. A longitudinally-extending slot, *b'*, is also formed in the block to receive a securing-bolt, D, which passes up through the beam, and is provided with a securing-nut, E. The

slot *b'* in the block permits of its longitudinal adjustment on the beam to the full limit of the slot, and the groove *b* is adapted to serve as a guide to the block during this adjustment, and it also serves normally to obviate lateral movement or displacement of the block upon the beam. In the portion of the block which projects laterally from the beam a longitudinal perforation, *b²*, is formed to receive the hanger portion of the hook and provide a bearing therefor. The clover and weed hook C is adapted to be hung upon the beam so that it will have a free swinging movement thereon, and it is preferably formed of a single piece of metallic rod. The hook conforms somewhat to the shape of the mold-board, and comprises a straight bearing portion, *c*, at its top, which is received by the perforation in the hanger-block, and from the rear end of this portion *c* it extends downwardly and rearwardly, as shown at *c'*, this latter portion being preferably curved or bowed inwardly. From the lower end of the portion *c'* the hook is carried forwardly, as shown at *c²*, this bottom portion being preferably curved or bowed inwardly, and provided with an upwardly and outwardly turned front end, *c³*, having the point *c⁴*. This front end, *c³*, is connected with the front end of the bearing portion *c* by an upwardly-extending portion, *c⁵*, which is preferably curved or bowed outwardly, as shown.

The operation and advantages of my invention will be readily understood from the foregoing description and annexed drawings. When the plow is out of the ground, the hook will hang down against the face of the mold-board, and when the plow is in the ground the hook serves to gather the clover, weeds, &c., and keep the same turned over and down until the earth from the furrow is turned upon it.

I claim as my invention—

1. The combination, with a plow, of the hanger-block having the groove *b* and the longitudinally-extending slot, and provided in its laterally-projecting portion with a longitudinal perforation, *b²*, a securing-bolt passing through said slot and through the beam of the plow, and the hook formed of a single piece of bent rod, and comprising the straight bearing portion *c*, received by the perforation *b²*, the downwardly-curved rear portion, *c'*, the forwardly-

extending bottom portion, c^2 , curved inwardly, and provided with the outwardly-turned front end, c^3 , and the upwardly-curved front connecting portion, c^5 , substantially as set forth.

5 2. The combination, with a plow-beam, of the hanger-block having the groove b formed in its top face and receiving the beam, and provided with the longitudinally-extending slot and with the longitudinal bearing-perforation b^2 at its outer end, a securing-bolt passing through said slot and up through the beam, and a clover and weed hook, comprising a straight bearing portion, passing through the perforation b^2 , substantially as and for the
15 purpose set forth.

3. The herein-described improved clover and weed hook for plows, formed of a single piece of bent rod, and comprising a straight bearing portion, c , at its top, an inwardly-bowed downwardly-extending rear portion, c' , an outwardly-bowed upwardly-extending front portion, c^5 , and an inwardly-bowed bottom portion, c^2 , formed with the outwardly-turned front end, substantially as set forth. 20

In testimony whereof I affix my signature in presence of two witnesses. 25

SAMUEL J. STOFER.

Witnesses:

E. F. KELLOGG,

WILLIAM BOROUGH.