

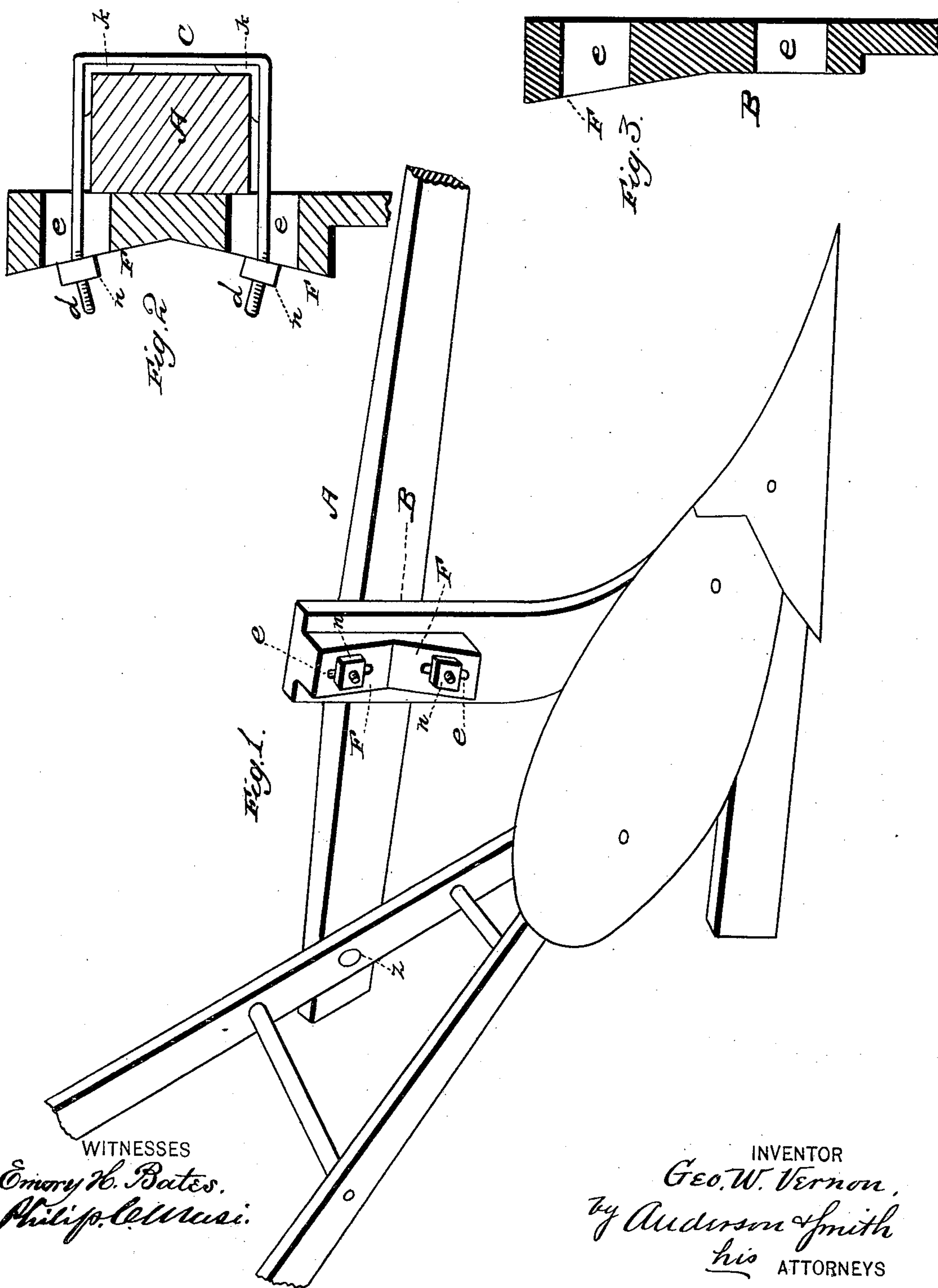
(No Model.)

G. W. VERNON.

PLOW STANDARD.

No. 263,256.

Patented Aug. 22, 1882.



# UNITED STATES PATENT OFFICE.

GEORGE W. VERNON, OF GREENSBOROUGH, NORTH CAROLINA.

## PLOW-STANDARD.

SPECIFICATION forming part of Letters Patent No. 263,256, dated August 22, 1882.

Application filed May 29, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. VERNON, a citizen of the United States, and a resident of Greensborough, in the county of Guilford and State of North Carolina, have invented a new and valuable Improvement in Attaching Plow Standards and Colters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my device. Fig. 2 is a vertical sectional view of the same; and Fig. 3 is a sectional view, showing but one incline face.

This invention has relation to that class of plows wherein the standard is connected to the beam by means of a bracket-connection or cuff-brace; and it consists in providing the standard with two slots, one above the other, for the passage of the threaded ends of the cuff-brace, and with oppositely-beveled face-bearings terminating said slots exteriorly, and turned toward each other to throw the nuts inward when screwed home, and thereby causing the ends of the cuff-brace to clamp the beam, all as hereinafter set forth.

In the accompanying drawings, the letter A designates the beam, and B the standard, of a plow.

C represents the bracket or cuff-brace, which extends around the beam and is formed with the threaded ends *d*.

One above the other, at a suitable distance apart in the standard B, are made the slots *e*, through which the threaded ends *d* of the cuff-brace extend. These slots extend through the standard to the bearing-faces *F F* thereof, which are inclined or beveled in opposite directions and toward each other, as indicated in the drawings. These bearing-faces may be raised on the standard or sunk therein; or they may extend the entire breadth of the standard. The raised form is deemed preferable, as it affords a greater leverage for the same weight. On the threaded ends of the cuff-brace, which project through the slots *e*, the nuts *n n* are placed and screwed home against the bevel-faces of the bearings *F F*. The tightening of the nuts causes the ends of the bracket at the inner edges of the beam to bend until the nuts fit the bearings squarely, so that the bracket

is caused to clamp the beam on its upper and lower and outer faces in a perfectly secure manner, so that the beam cannot slip up or down. When the nuts are loosened, the beam can be set in any desired position, high or low, and secured again by tightening the nuts. The bearings *F* are made a little longer than the slots, so as to afford a full bearing for either nut when the arm of the brace engaged thereby is at the end of the slot.

In connection with this fastening it is desirable to use a metal plate, *k*, under the cuff-brace at the top or side of the beam, to prevent the upward pressure on the beam from causing the cuff-brace or bracket to cut into the beam at its upper and outer corner.

The fastening provides for a secure adjustment of the handles, which is effected by moving the beam longitudinally through the cuff-brace, forward or back, according to requirement. The handles, being pivoted to the beam at *z*, will, when the beam is moved forward through the bracket, be raised, and will be depressed in position by a movement in the opposite direction.

A plow-cutter has been secured between two metal clamps and connected to the plow-beam by a clamp and nuts. An arm or standard convex on the side next the beam has been secured to the same by a clip or clamp, and I make no broad claim to the clip or clamp.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The standard provided with the slots *e e*, one above the other, for the passage of the threaded ends of the cuff-brace, and with the oppositely-inclined face-bearings *F F*, terminating said slots exteriorly, and turned toward each other to throw the nuts inward and effect a clamping bend of said threaded ends, substantially as specified.

2. The combination, with the cuff-brace *C* and the slotted standard having the oppositely-inclined bearings *F F*, of the beam, its protecting-plate *k*, and the nuts *n n*, substantially as specified.

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

GEORGE W. VERNON.

Witnesses:

CHAS. W. WHITE,  
JOHN L. THACKER.