

(No Model.)

2 Sheets—Sheet 1.

W. H. AMMONS.
PLOW GAGE AND GUIDE.

No. 291,662.

Patented Jan. 8, 1884.

Fig. 1.

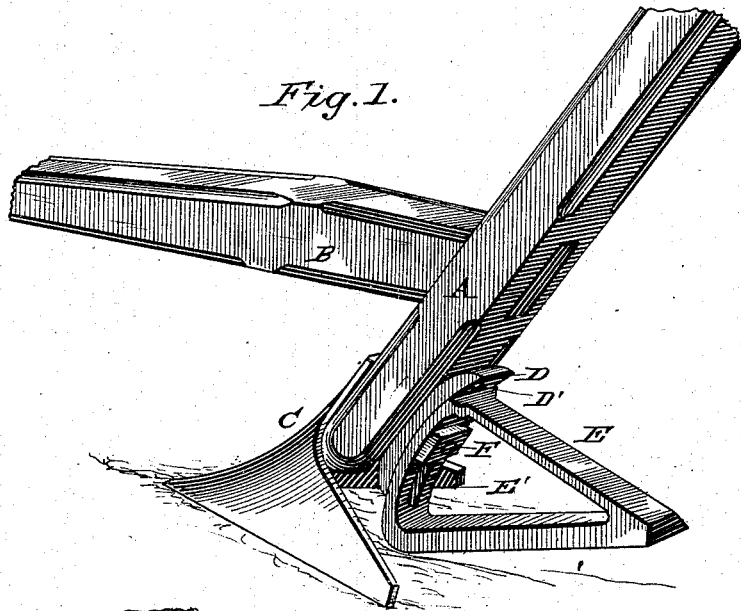
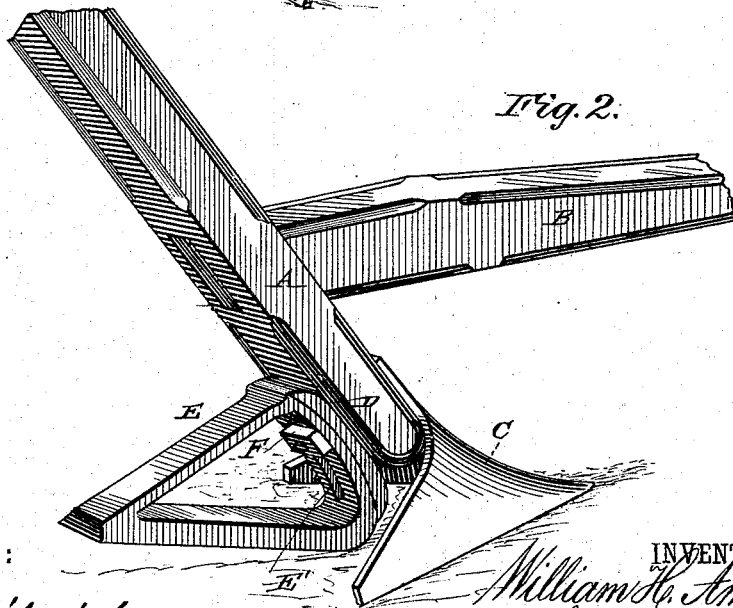


Fig. 2.



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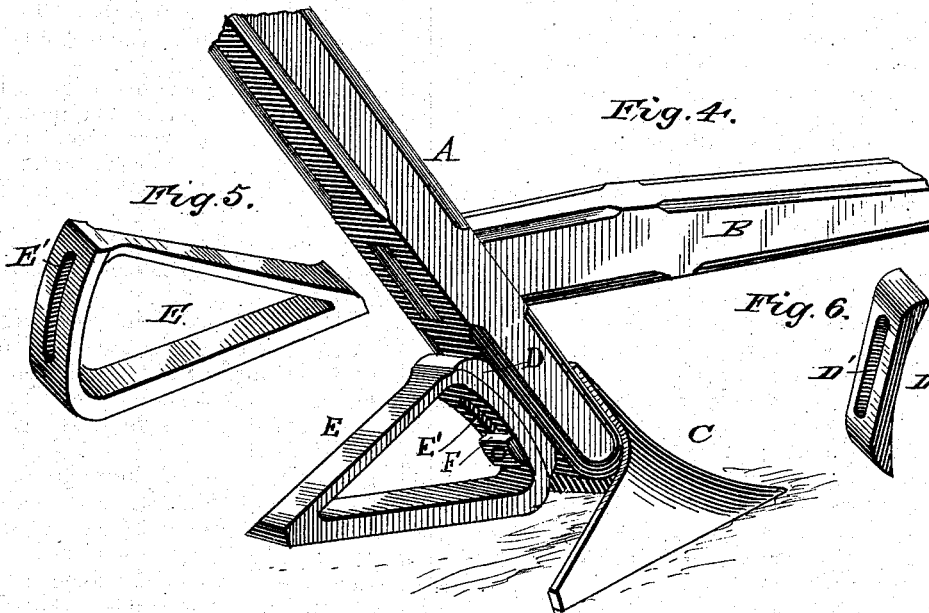
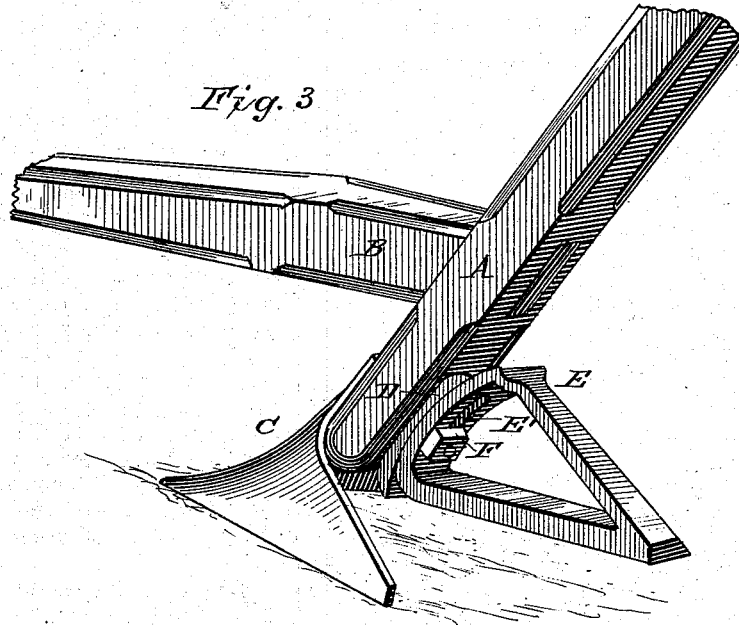
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UNITED STATES PATENT OFFICE.

WILLIAM HENRY AMMONS, OF LITTLE ROCK, SOUTH CAROLINA.

PLOW GAGE AND GUIDE.

SPECIFICATION forming part of Letters Patent No. 291,662, dated January 8, 1884.

Application filed December 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. AMMONS, a citizen of the United States, and a resident of Little Rock, in the county of Marion and State of South Carolina, have invented certain new and useful Improvements in Plow Gages and Guides; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective rear view of a plow of ordinary construction provided with my improved plow gage and guide, showing the gage adjusted to cause the plow to cut a shallow furrow. Fig. 2 is a perspective rear view showing the wedge-block, which forms the seat for the gage, moved down to its lowest point to increase the shallowness of the furrow cut by the plow. Fig. 3 is a perspective rear view showing the gage adjusted to cause the plow to cut a deep furrow. Fig. 4 is a similar view, showing the wedge-block moved up to its highest point to increase the depth of the furrow cut by the plow; and Figs. 5 and 6 are perspective detail views of the gage and wedge-block, respectively.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to adjustable gages and guides for plows, adapted to gage the depth of the furrow cut by the plow, and also guide the course of the same; and it consists in the improved construction and combination of parts of the same, as will be hereinafter more fully described and claimed.

In the accompanying drawings, A represents the plow-standard, B the plow-beam, and C the plowshare, the above-mentioned parts being old, and forming no portion of my present invention.

D represents the wedge-block, which is provided with a longitudinal slot, D', and has one of its sides made straight to adapt it to fit against the rear side of the plow-standard, while its opposite side is made concave to form a seat for the gage E.

E represents the gage and guide, that side or part of it which bears or fits against the wedge-block D being made convex, or forming the segment of a circle, for the purpose hereinafter described. The convex side or

part of the gage is provided with a vertical slot, E', the bolt which secures the plowshare C passing also through the wedge-block D, and the slotted side of the gage and guide E, and being provided with a nut, F, by tightening which the gage and guide is firmly secured in its adjusted position. To cut a shallow furrow, the gage is moved down, as shown in Fig. 1 of the drawings, while to cut a furrow of still greater shallowness the wedge-block D is moved down, thereby protracting or extending the circle, as it were, and causing the gage to curve down still farther, as will readily be understood by reference to the drawings. To cut a deep furrow, the gage and, if necessary, the wedge-block are moved up in the manner just described in moving them down.

From the foregoing description, taken in connection with the accompanying drawings, the construction and manner of operating my improved plow gage and guide will readily be understood without requiring further explanation.

It will be seen that when the gage is once adjusted it becomes a guide, the plow having two or three points to rest upon, instead of one or two, as before, thereby materially increasing the ease with which it may be handled.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. As an improvement in plow gages and guides, a gage and guide provided with a slotted convex bearing side, and a slotted wedge-block having a concave side adapted to serve as a seat for the convex side of the gage and guide, as set forth.

2. The combination of the gage E, having a convex side provided with a longitudinal slot, E', with the wedge-block D, provided with a longitudinal slot, D', and having one of its sides made concave to form a seat for the gage and guide, the whole adapted to be secured to the plow-standard by the same bolt which secures the plowshare, as set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM HENRY AMMONS.

Witnesses:

J. W. G. SMITHY,

W. J. MONTGOMERY.