

M. F. WHITE.

Plows.

No. 153,645.

Patented July 28, 1874.

Fig 1.

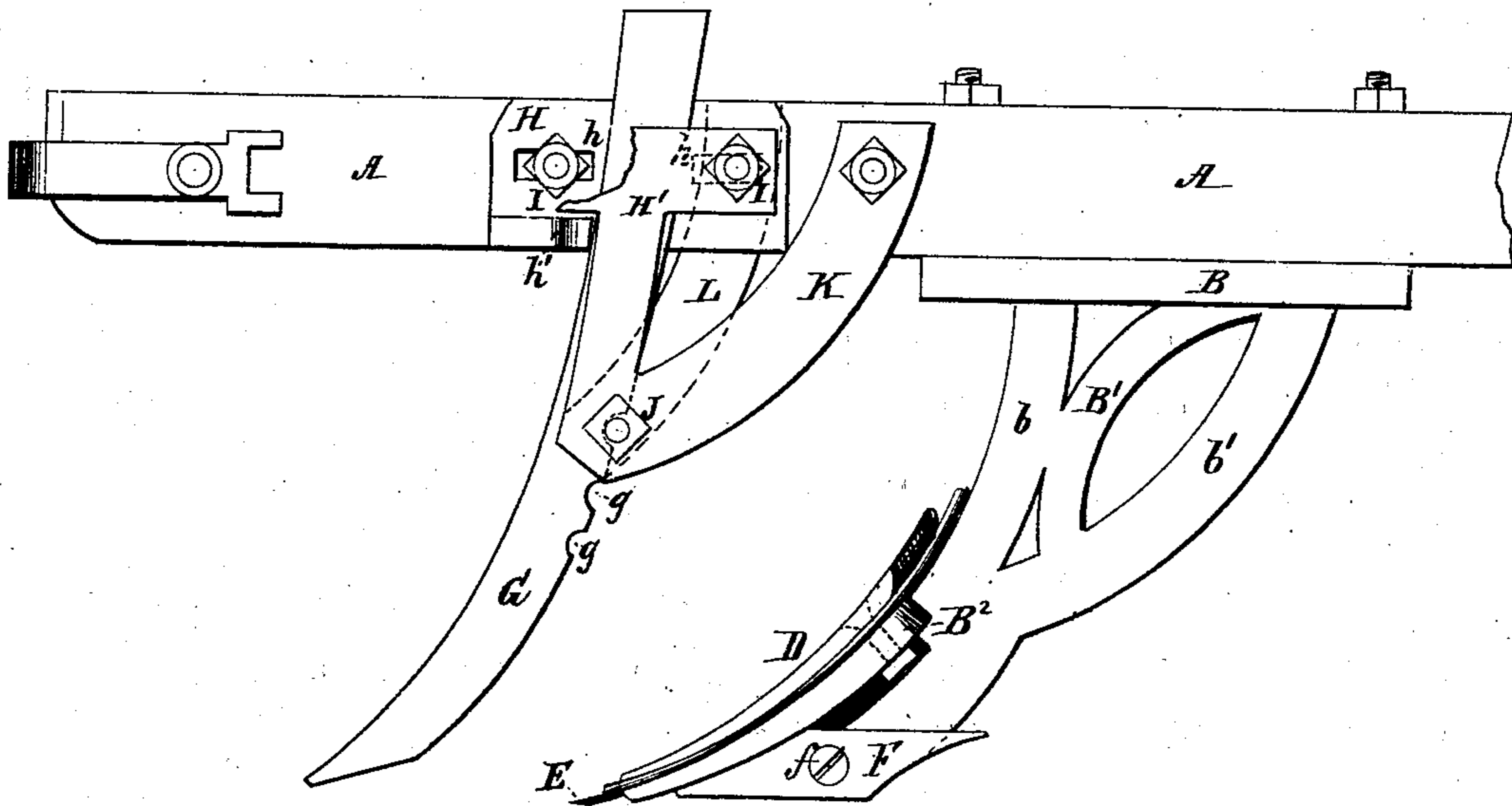


Fig 2.

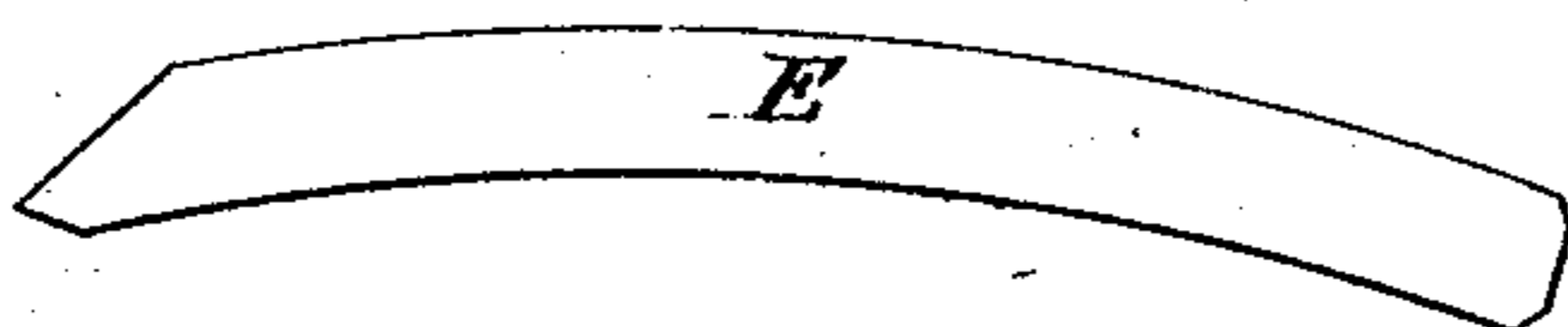
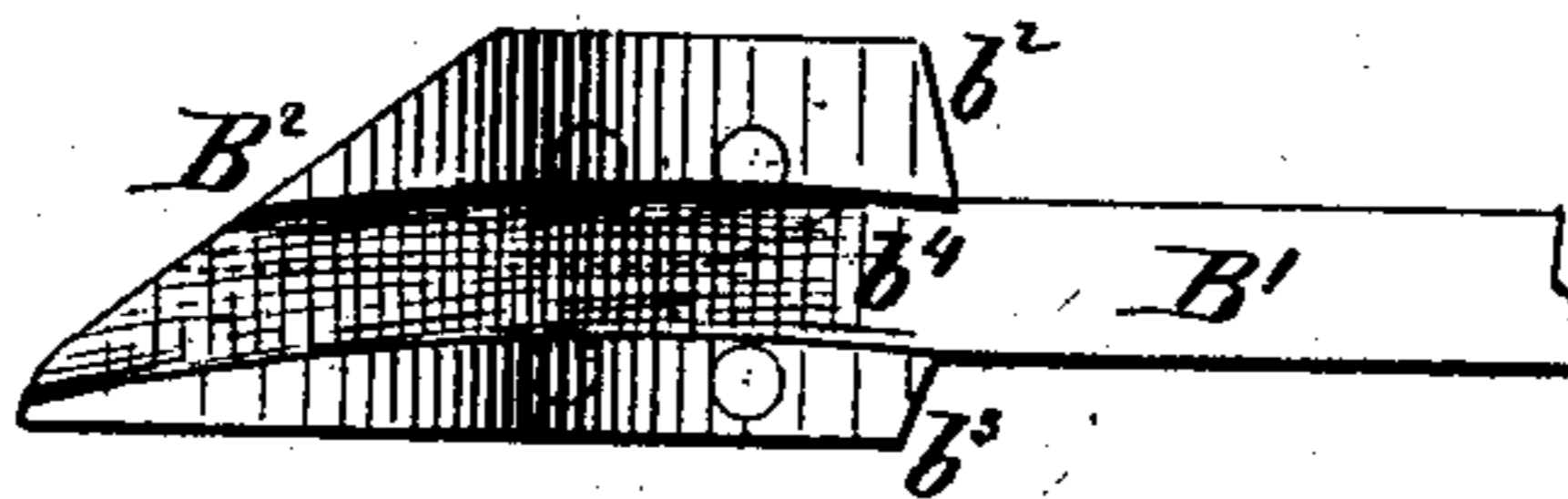


Fig 3.



WITNESSES:

G. Mathys.  
Solon Chemon

INVENTOR:

Moses F. White  
BY *[Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

MOSES F. WHITE, OF DOUGLASSVILLE, TEXAS, ASSIGNOR OF ONE-FOURTH  
HIS RIGHT TO AUGUSTUS J. BLANKENSHIP, OF SAME PLACE.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **153,645**, dated July 28, 1874; application filed  
March 31, 1874.

### CASE A.

*To all whom it may concern :*

Be it known that I, MOSES F. WHITE, of Douglassville, in the county of Cass and State of Texas, have invented a new and Improved Plow; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation, partly broken away; Fig. 2, a detail view of the turn-plow point; Fig. 3, a plan view of the top grooved standard.

The invention relates to turn-plows; and consists in several features of improvement, by which the preparation and tillage of the soil may be done at less than the usual expense, and with more than the usual convenience to the farmer.

The means that constitute my invention will first be described in connection with all that is necessary to a full understanding thereof, and then pointed out in the claims.

A represents the beam of the plow, to which is attached, by means of a plate, B, a standard, B<sup>1</sup>, having the branches *b b*<sup>1</sup>—the one, *b*, concaved, and the other, *b*<sup>1</sup>, convexed, respectively, on their front and rear faces. This standard has a face, B<sup>2</sup>, with two side flanges, *b*<sup>2</sup> *b*<sup>3</sup>, one projecting on each side, and both perforated, so that the metallic mold-board C and outlying wooden mold-board D may be singly attached thereto, or both together, by bolt and nut. E is a plow-point, held in a groove between the two fastening-screws, and between the metallic mold-board and front face of standard. This point is made of a steel plate cut on the arc of a large circle, and then bent to suit the concavity of the face B<sup>2</sup>. In the face B<sup>2</sup> may be formed a groove, *b*<sup>4</sup>, to receive the point, and secure it against all lateral play. The point E will, under some circumstances, be self-sharpened; but, when that does not take place, it is only necessary to bend down the point. As the point becomes

shortened off by wear it is advanced, this being continued until it is nearly used up. F represents a reversible land-side, oppositely beveled, on each end, and having the two reversible faces on the same side of the plate, so that the plate is simply removed a half-revolution to change the bearing-surface, and the central clamp-screw *f* again fastened. G is the sod-cutter, having the usual sharp front edge. I secure this to the beam A by a plate, H, that has oblong slots *h h*, that allow it to be adjusted on the side of beam and upon the clamp-screws I I, and also by a superposed plate, H', held by screws. On the front of this plate is a projecting lug, *h'*, that supports the front of cutter while the rear is sustained by a cross-bolt or screw, J, that rests in one of the rear notches *g*. This bolt or screw is held by two plates, K L, one of which is conjoined with plate H', and both fastened on the sides of beam.

By this combination of devices, the cutter may be very easily changed in depth or inclination, and securely held at any point of adjustment.

I claim in this patent the combination of the mold-board and grooved standard provided with side flanges, for the purpose of securing the steel point or bar.

Having thus described my invention, what I claim as new is—

1. A plow-standard having flanges *b*<sup>2</sup> *b*<sup>3</sup> and intermediate groove *b*<sup>4</sup>, to receive mold-boards and point, in the manner described.

2. The combination, with an ordinary rear-grooved cutter, G, bolt J, and stud *h'* on plate H, of the plate H' K L, extending down to nearly or quite the middle of cutter, to afford a better position to bolt J and a both-side lateral support to the cutter.

MOSES F. WHITE.

Witnesses:

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SOLON C. KEMON.