W. PAINTER.

STUMP-PLOW.

No. 192,930. Patented July 10, 1877.

Fig. 1.

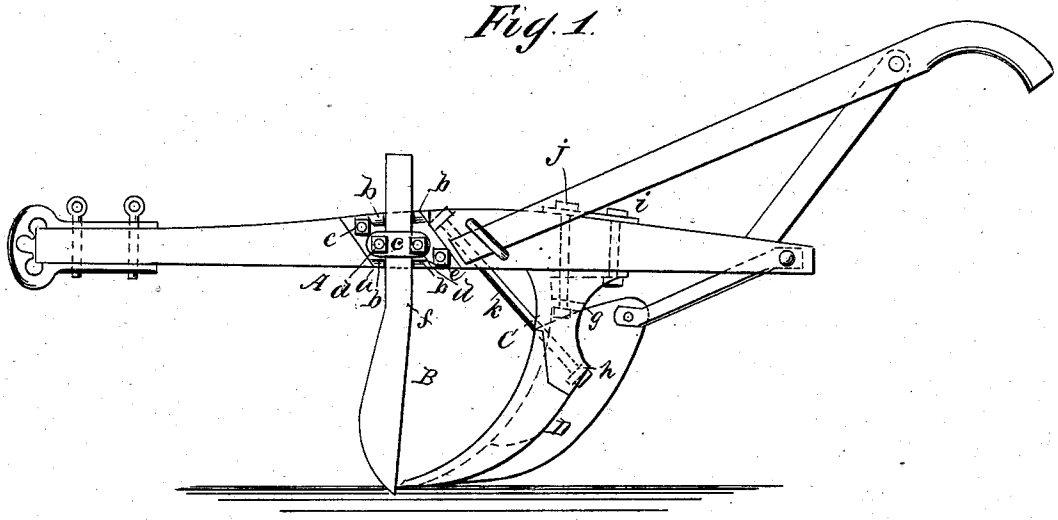


Fig. 2.

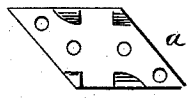


Fig. 3.

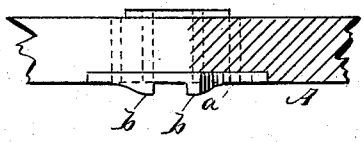


Fig. 4.

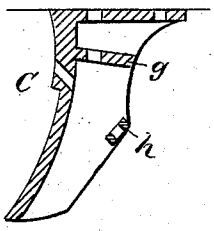
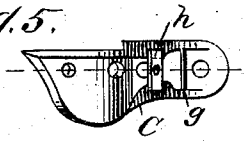


Fig. 5.



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UNITED STATES PATENT OFFICE.

WASHINGTON PAINTER, OF ALBION, ILLINOIS.

IMPROVEMENT IN STUMP-PLOWS.

Specification forming part of Letters Patent No. **192,930**, dated July 10, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, WASHINGTON PAINTER, of Albion, in the county of Edwards and State of Illinois, have invented a new and Improved Stump-Plow, of which the following is a specification:

Figure 1 is a side elevation of my improved plow. Fig. 2 is a detail view of a plate for holding the colter. Fig. 3 is a top view of a portion of the beam, showing the plate for holding the colter. Fig. 4 is a vertical section of the plow-standard.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a stump-plow that may be used in rough newly-cleared timber-land, that will readily cut the smaller roots, and will jump over or escape the larger roots.

In the drawing, A is the beam of the plow, having the ordinary handles and clevis, and B is a colter of peculiar form, which is held in position by a plate, *a*, of rhomboidal form, having lugs *b*, and is clamped to the beam by the bar *c* and bolts *d*. The plate *a* is further secured to the beam A by bolts *e*, and by letting it into the side of the beam. The corners of the said plate are disposed so as to offer the greatest resistance to the leverage of the colter.

The colter B is bent at *f*, and its cutting-edge, which is convex in the direction of its length, is pitched forward.

C is an iron standard that is fitted to the back of the mold-board, and is made hollow, being open at back, and is provided with a cross-piece, *g*, and cross-bar *h*. This standard is secured to the plow-beam by the bolts *i j k*. The bolt *i* passes through the beam and through the head of the standard. The bolt *j* passes down through the beam and cross-piece *g*, and the bolt *k* passes diagonally downward through the beam, through the front of the standard, and through the cross-bar *h*.

The mold-board D is secured to the standard by means of bolts, in the usual way.

The standard C is offset, so that the upper portion of it is even with the outer surface of the mold-board.

This plow readily cuts the small roots, and by a slight movement of the handles can be made to escape large roots or obstructions.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The standard C, having the cross-piece *g* and cross-bar *h*, and adapted to the mold-board D, substantially as shown and described.

WASHINGTON PAINTER.

Witnesses:

R. J. JAMES,

GEORGE FRANKLAND.