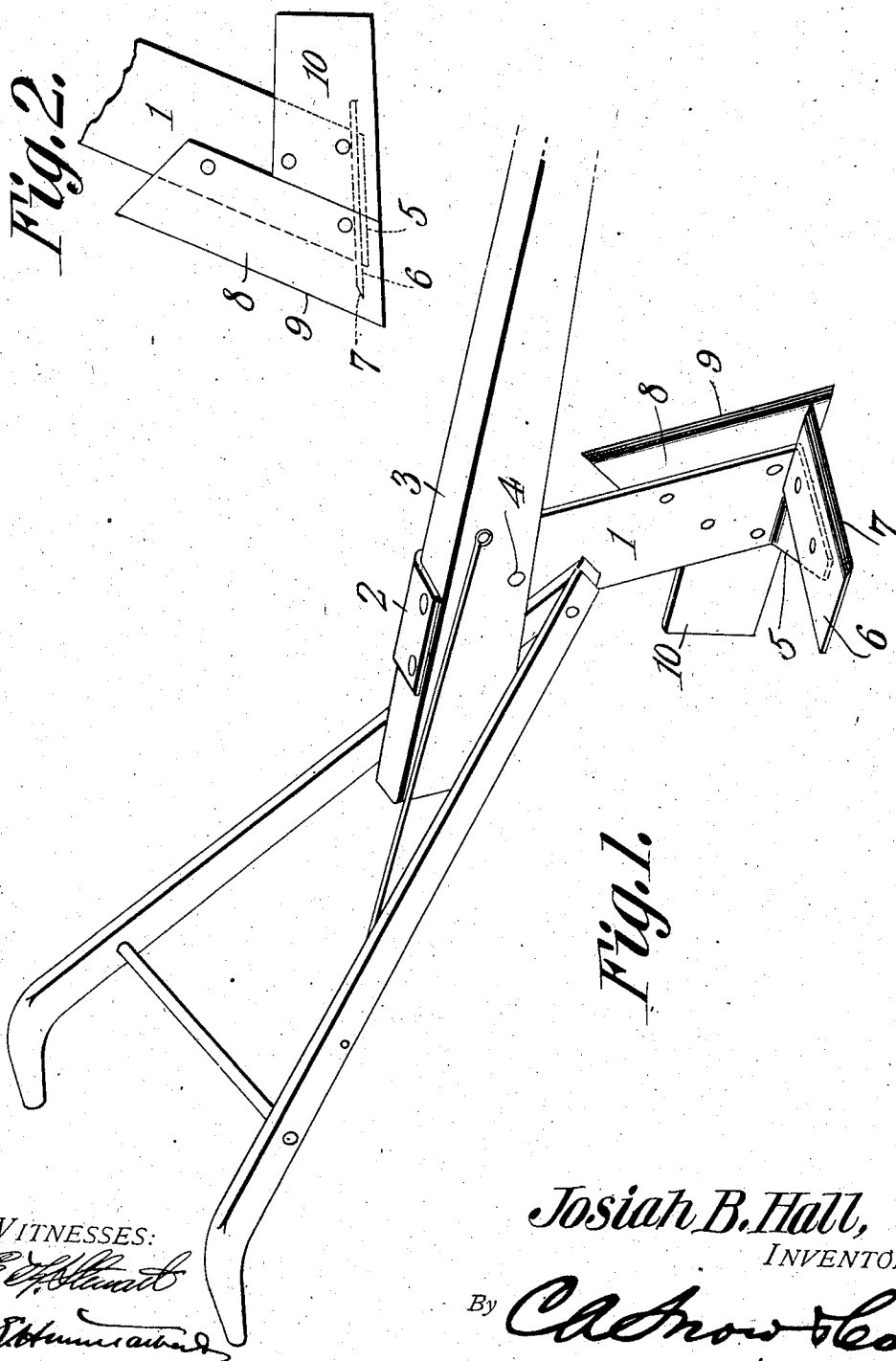


No. 833,832.

PATENTED OCT. 23, 1906.

J. B. HALL.  
CLAY CUTTING PLOW.  
APPLICATION FILED JULY 6, 1906.



WITNESSES:

*E. J. Hall*  
*Wm. J. Hall*

*Josiah B. Hall,*  
INVENTOR.

By *C. Snow & Co*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

JOSIAH B. HALL, OF STOREVILLE, SOUTH CAROLINA.

## CLAY-CUTTING PLOW.

No. 833,832.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed July 6, 1906. Serial No. 325,028.

*To all whom it may concern:*

Be it known that I, JOSIAH B. HALL, a citizen of the United States, residing at Storeville, in the county of Anderson and State of South Carolina, have invented a new and useful Clay-Cutting Plow, of which the following is a specification.

This invention has relation to clay-cutting plows; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a plow especially adapted for cutting the tougher varieties of clay.

It consists primarily of a sheet-steel foot having a reversible cutting-blade projecting beyond its forward edge and at its lower end a laterally-extending blade. A landside-plate is attached to the lower end of said foot and abuts against the rear end of the projecting reversible blade. The cutting edge of the reversible blade is in advance of the cutting edge of the laterally-extending blade, and the lower edge of the said reversible blade and the landside-plate are alined and are located below the lower surface of the laterally-extending blade. The longitudinal axis of the laterally-extending blade is pitched at an acute angle to the vertical side of the plow-foot.

In the accompanying drawings, Figure 1 is a perspective view of the clay-cutting plow. Fig. 2 is a side elevation of the lower portion of the plow-foot and its attachments.

The foot 1 is made of sheet-steel and is provided at its upper end with a flange 2, which is secured to the top side of the beam 3. The said foot 1 is bolted or otherwise secured at the point 4 to the side of the said beam 3. The laterally-extending lug 5 is located at the lower end of the foot 1 and is bent at right angles to the longitudinal axis thereof. The laterally-extending blade 6 is bolted or otherwise secured to the lug 5. Said blade 6 is provided with the forward cutting edge 7, which is disposed toward the rear at its outer end. The front and rear edges of the said blade 6 are parallel, and the longitudinal axis of the blade 6 extends at an acute angle to the longitudinal axis of the foot 1. The reversible blade 8 is bolted or otherwise secured to the land-facing side of the foot 1. The said blade is provided with the forward cutting edge 9, which is located in advance of the forward end of the cutting edge 7 of the blade 6. The lower edge of the blade 8 ex-

tends below the lower end of the foot 1 and the lower surface of the blade 6. The landside-plate 10 is attached to the lower end of the foot 1, and the lower edge of said plate 10 is in alinement with the lower end of the blade 8. The blade 8 is termed a "reversible" blade, for the reason that either one of its ends may be used for cutting the incision in the clay. The operation of the cutting edge 9 of the blade 8 forms the vertical wall of the furrow, while the cutting edge 7 of the blade 6 forms the bottom of the furrow. The said cutting edges 7 and 9 are so pitched that the operation of cutting is performed in a shearing manner. By reason of the fact that the blade 8 and the plate 10 extend below the blade 6 the implement is steadied in the ground, and by reason of the fact that the land-side incision is cut in advance of the furrow-bottom incision the draft of the implement is materially reduced.

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

1. A clay-cutting plow consisting of a foot attached to a beam, a reversible blade attached to said foot and being vertically disposed, a laterally-extending blade attached to said foot, the cutting edge of the vertically-extending blade being located in advance of the cutting edge of the laterally-extending blade, and a landside-plate attached to the foot.

2. A clay-cutting plow consisting of a foot attached to a beam, a vertically-disposed blade attached to said foot, a laterally-disposed blade attached to said foot, a landside-plate attached to said foot and abutting against the rear edge of the vertically-disposed blade and having its lower edge in alinement with the lower end of said vertically-disposed blade, the cutting edge of the vertically-disposed blade being located in advance of the cutting edge of the laterally-extending blade, and the lower end of the vertically-disposed blade being located below the lower surface of the laterally-extending blade and parallel with the lower surface of the laterally-extending blade.

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

JOSIAH B. HALL.

Witnesses:

THOS. G. WATKINS,  
S. O. JACKSON.