

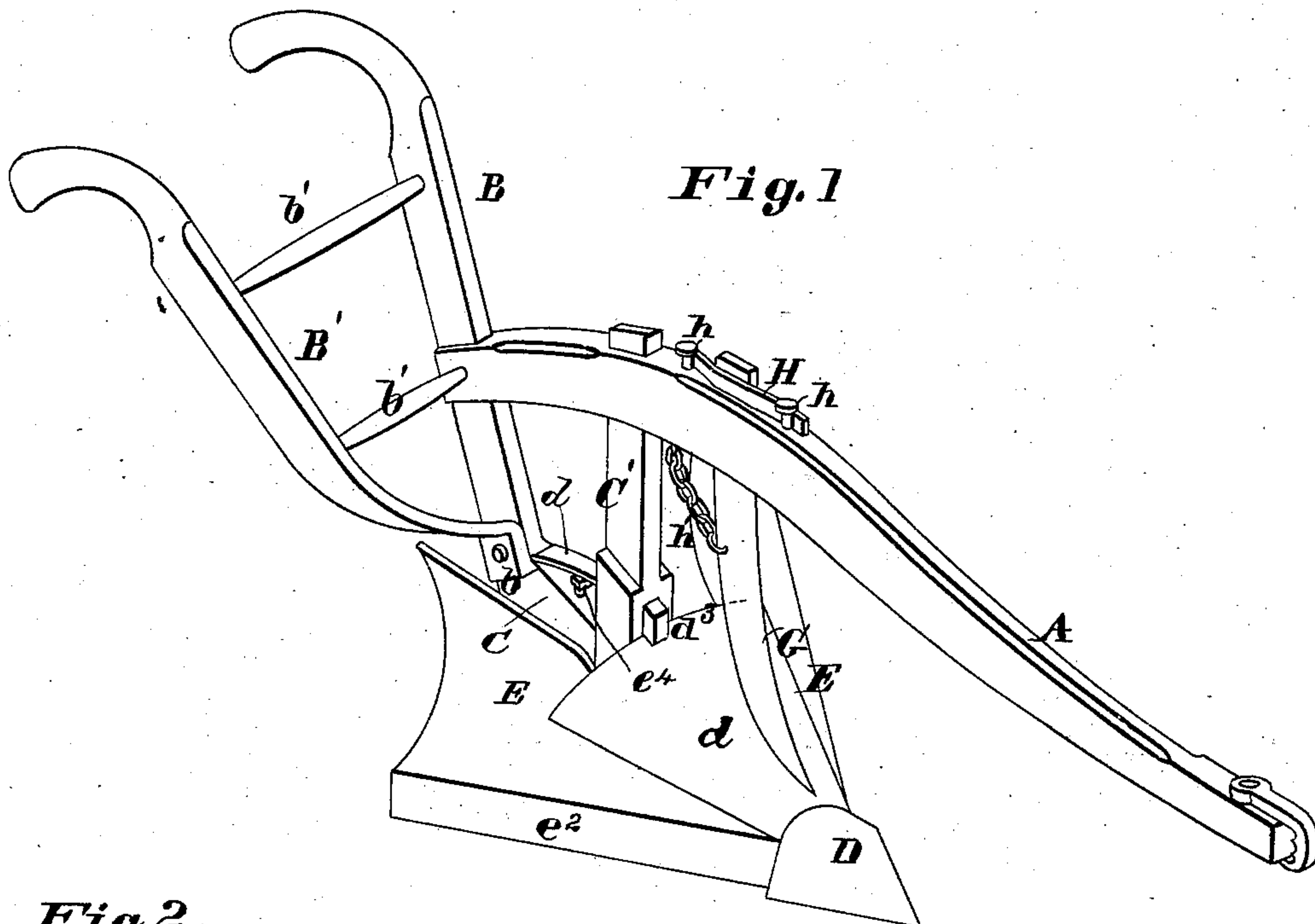
(No Model.)

J. H. FELDMANN.

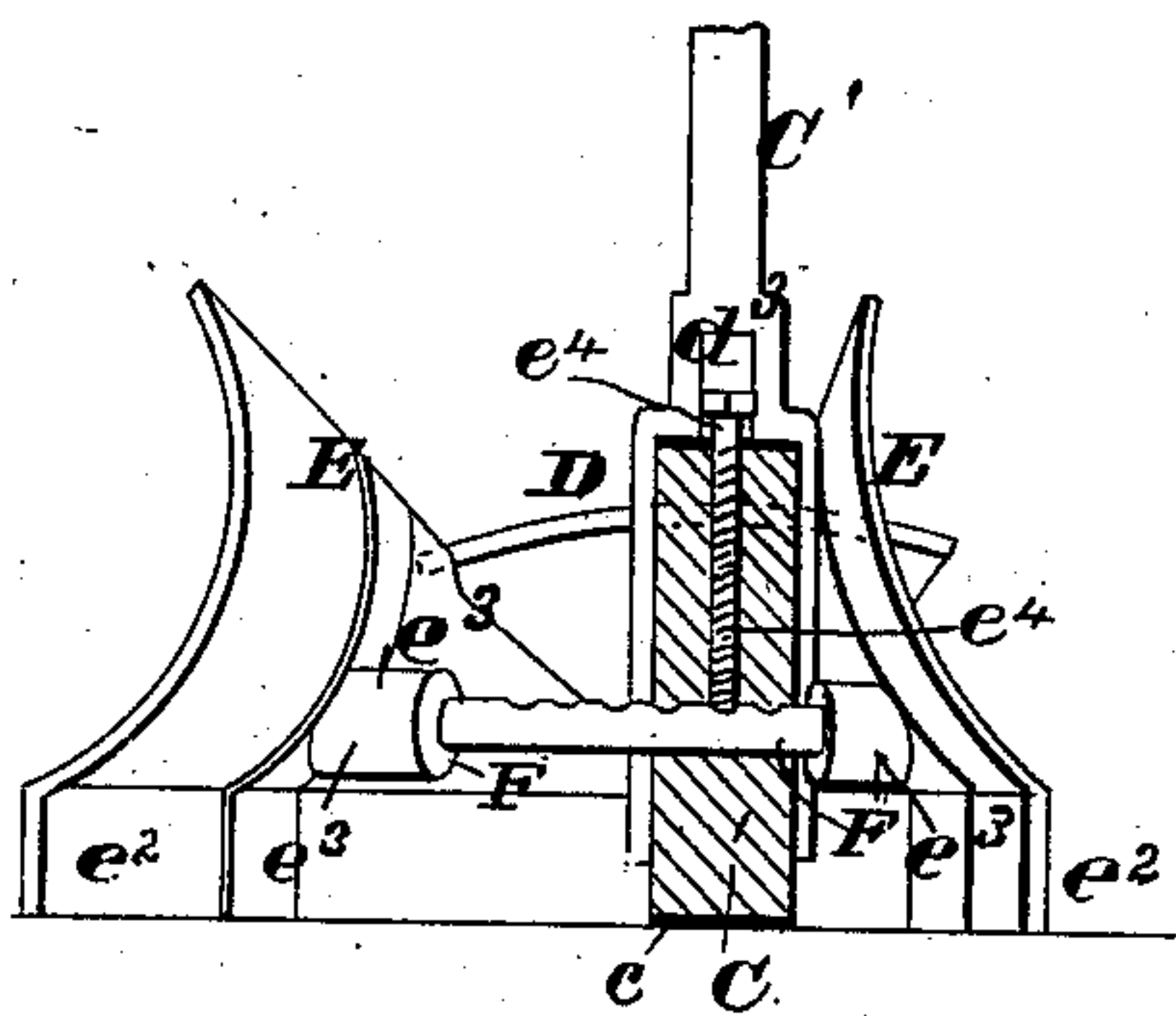
HILLSIDE PLOW.

No. 259,836.

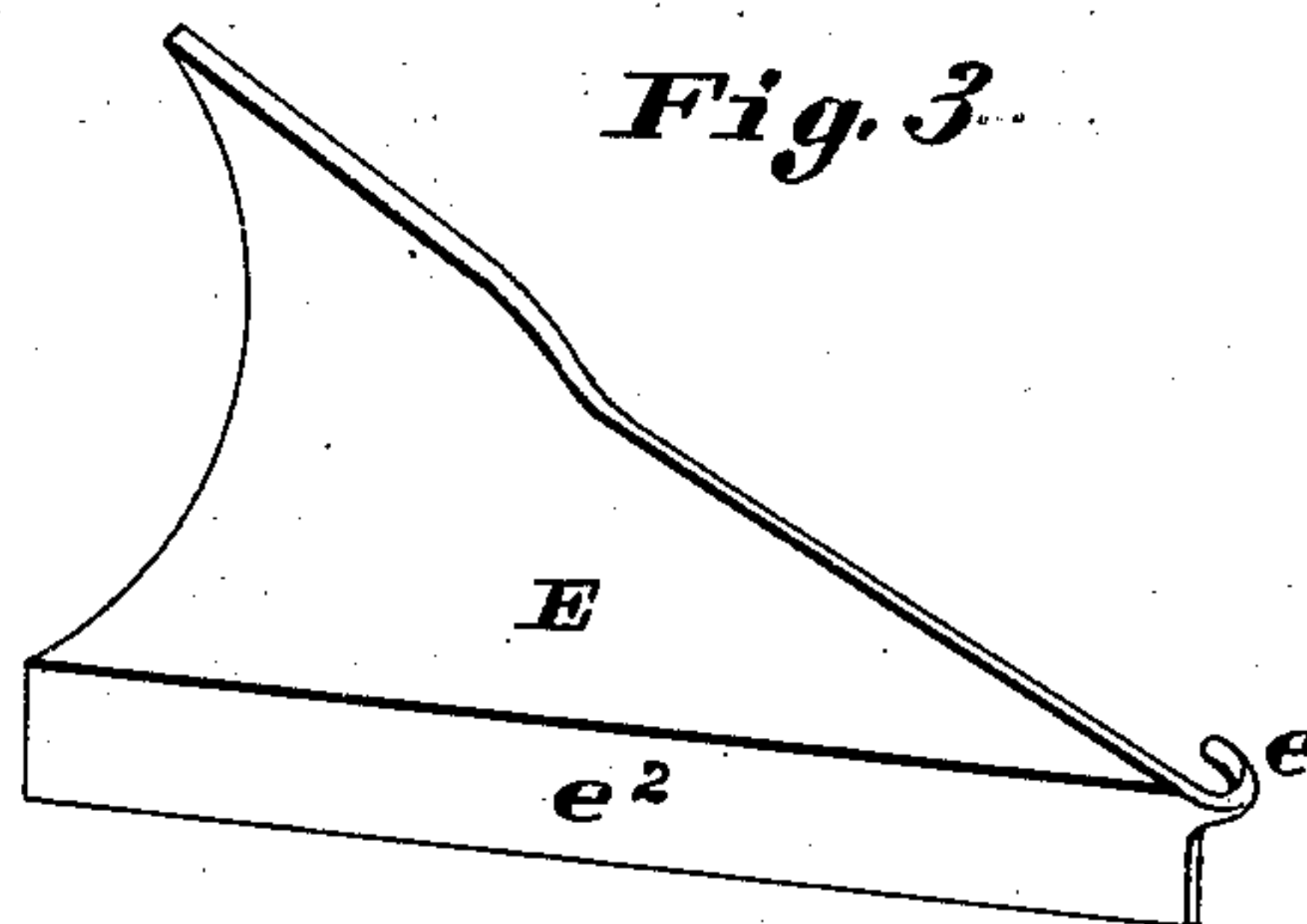
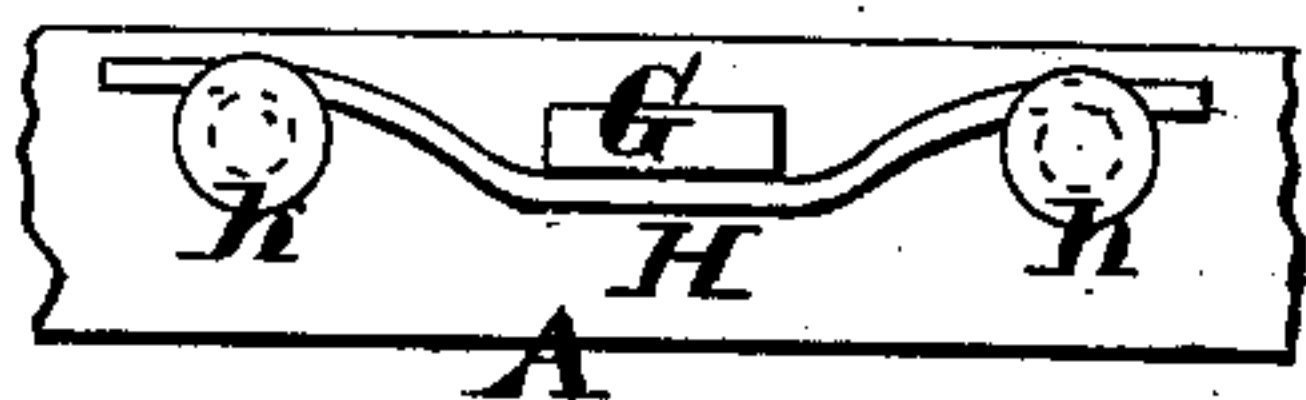
Patented June 20, 1882.



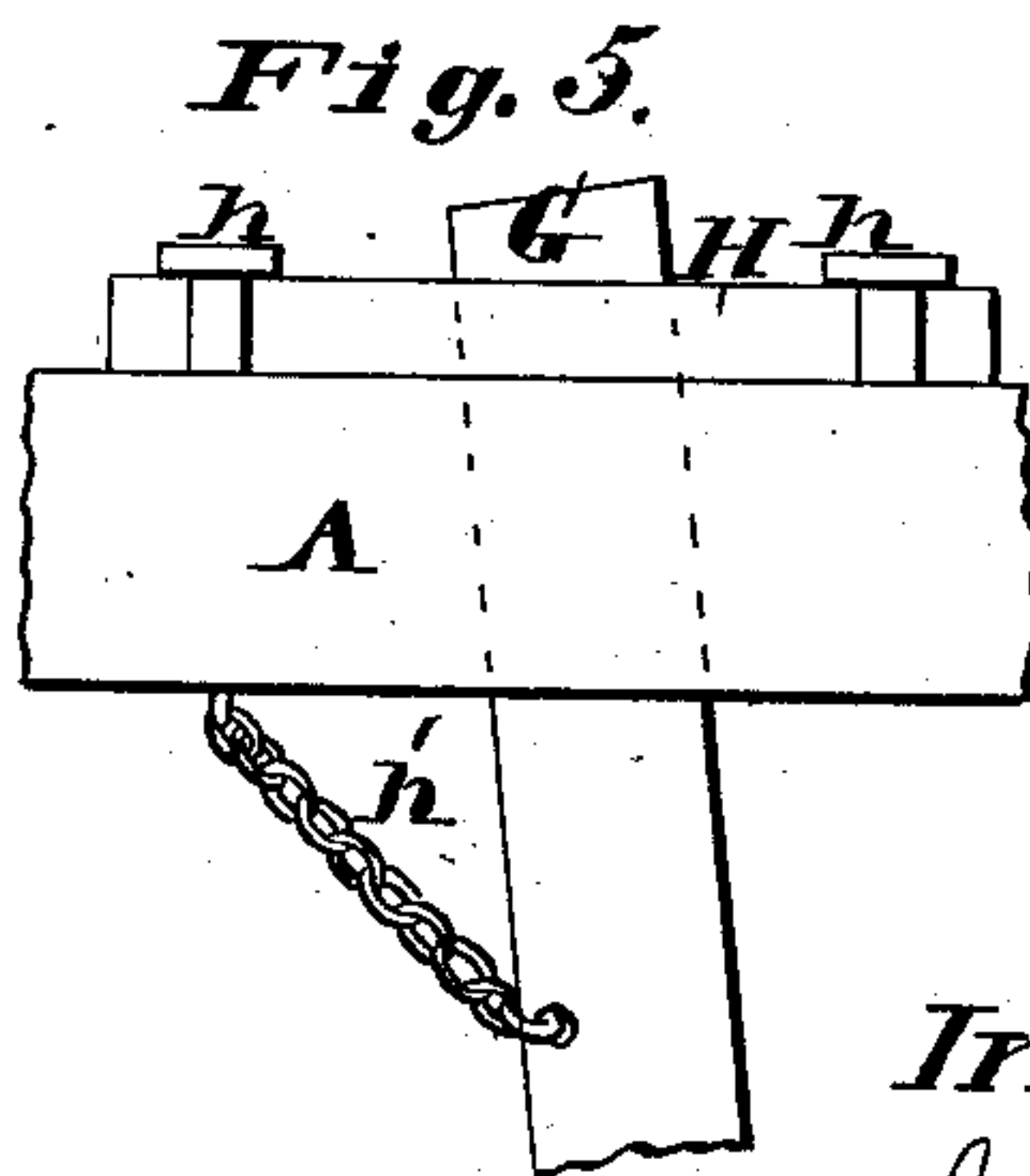
*Fig. 2.*



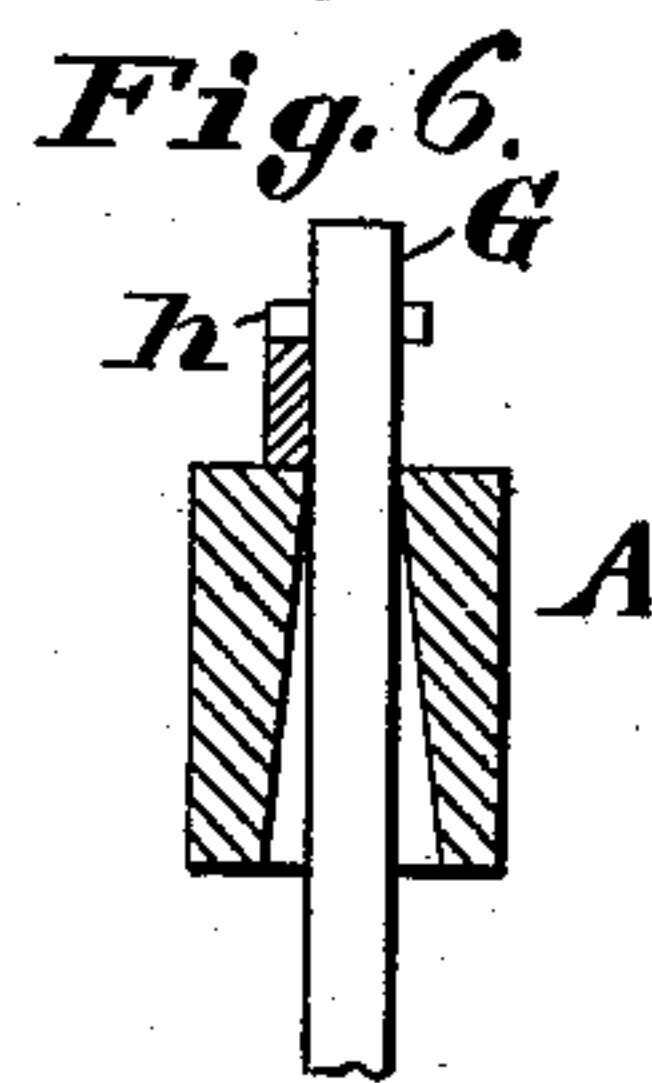
*Fig. 4.*



*Fig. 3.*



*Fig. 5.*



*Fig. 6.*

***Attest:***

Charles Pickles  
Geo. H. Knight

*Inventor.*

John W. Feldmann  
By Thugh W. Br.  
Atty.

# UNITED STATES PATENT OFFICE.

JOHN H. FELDMANN, OF ST. LOUIS, MISSOURI.

## HILLSIDE-PLOW.

SPECIFICATION forming part of Letters Patent No. 259,836, dated June 20, 1882.

Application filed February 14, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. FELDMANN, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Hillside-Plows, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a plow having two mold-boards hinged by their forward ends to the share, and being adjustable from side to side, as hereinafter set forth.

In the drawings, Figure 1 is a perspective view of the plow. Fig. 2 is a rear view, part in section. Fig. 3 is a perspective of one of the mold-boards. Fig. 4 is a top view of part of the plow-beam, showing the means for adjusting the lower end of the colter. Fig. 5 is a side view of same, and Fig. 6 is a vertical section of same.

A represents the plow-beam, and B B' the handles. The handle B is straight with and forms a part of the shoe C of the plow. The handle B' is secured to handle B at b and by rounds b'.

C' is the standard connecting the shoe of the plow to the beam. The shoe C is shod by a strip of metal, c, to take the wear from the shoe. The stripe extends over the nose of the shoe and up to the handle B.

D is the share of the plow, having an arm, d, at its upper end. This is made of convex shape on top, and is so formed as to carry the dirt back well onto the mold-boards. I prefer to secure it in place as described in a previous application for Letters Patent filed December 7, 1881.

E E are the mold-boards, which have hooks e at their forward ends to engage with eyes on the under side of the share D, as shown in the previous application referred to. The mold-boards are of concave shape on their outer surfaces, but they have a perfectly-straight surface, e<sup>2</sup>, which forms the usual landside of a plow. They have welded to them, at or near their inner surfaces, sleeves e<sup>3</sup> for receiving the ends of a cross-bar, F, which passes through the body of the shoe C. e<sup>4</sup> is a screw-bolt working down through the shoe C, its lower

end being forced against the cross bar or rod F. It will thus be seen that either mold-board may be shifted over close to the shoe and held in that position. When a left-hand furrow is to be turned the mold-boards are shifted to the left until the right-hand mold-board is brought close up against the shoe C. The screw-bolt is then set down, holding the boards in this position. (See Fig. 2.) When the field has been crossed the other mold-board is shifted to the shoe, and the plow is in condition for recrossing the field, the right-hand mold-board acting to turn the furrow and the straight portion of the left-hand mold-board acting as the landside.

G represents a colter, which fits in a mortise in the plow-beam. The mortise is wider at bottom than at top to allow the lower end of the colter to be thrown to one side or the other. When the right-hand mold-board is to be used I throw the point of the colter to the right by means of a bar, H, placed between two pins, h, on the top of the beam and the projecting upper end of the colter. (See Figs. 1 and 4.) When the other mold-board is to be used I change the point of the colter by changing the adjusting-bar H. The colter is kept from gravitating by a chain, h', connecting it to the under side of the beam.

I claim as my invention—

1. In a hillside-plow, the combination of concave mold-boards E E, having straight landsides e<sup>2</sup> e<sup>2</sup> in one piece therewith, the mold-boards being over the landsides, as shown and described.

2. In a hillside-plow, the combination of concave mold-boards E E, having straight landsides e<sup>2</sup> e<sup>2</sup>, the share D, shoe C, and rod F, the mold-boards with their landsides being hinged to the shoe, as set forth.

3. In a hillside-plow, the combination of mold-boards E E, having landsides e<sup>2</sup> e<sup>2</sup>, share D, hinged to the mold-boards, rod F, sleeves e<sup>3</sup> e<sup>3</sup>, and screw-bolt e<sup>4</sup>, as set forth.

JOHN H. FELDMANN.

Witnesses:

SAML. KNIGHT,

GEO. H. KNIGHT.