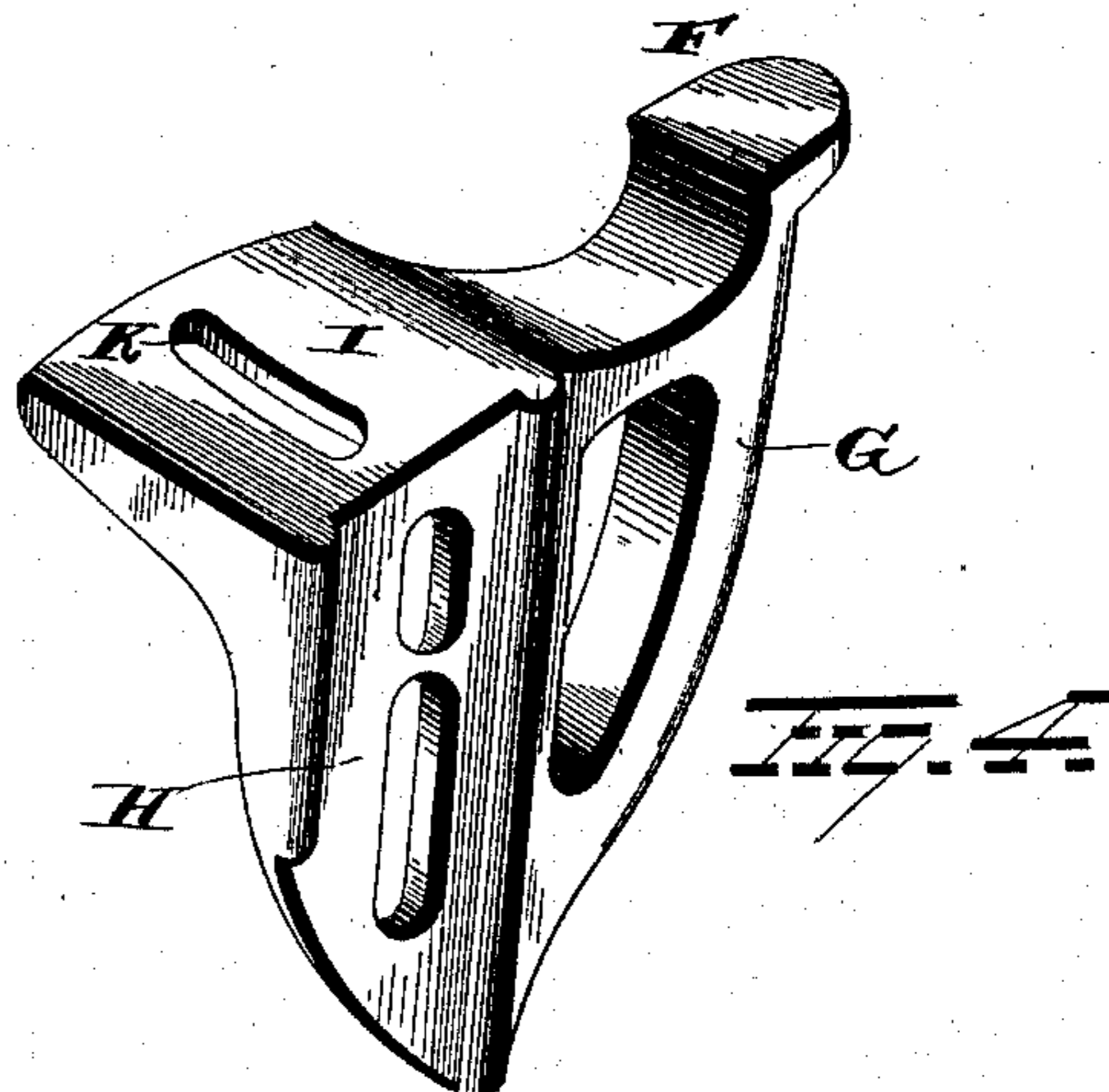
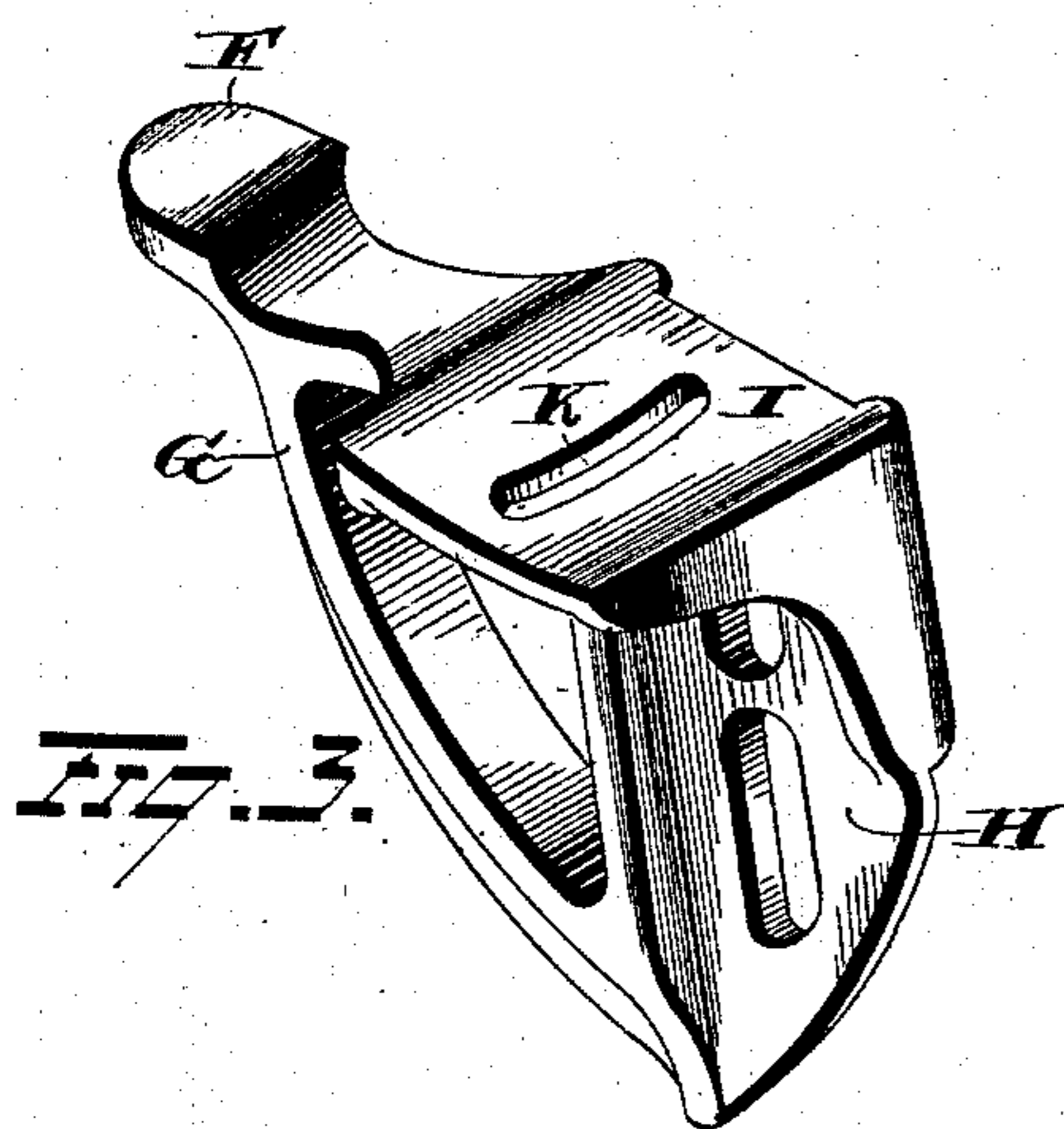
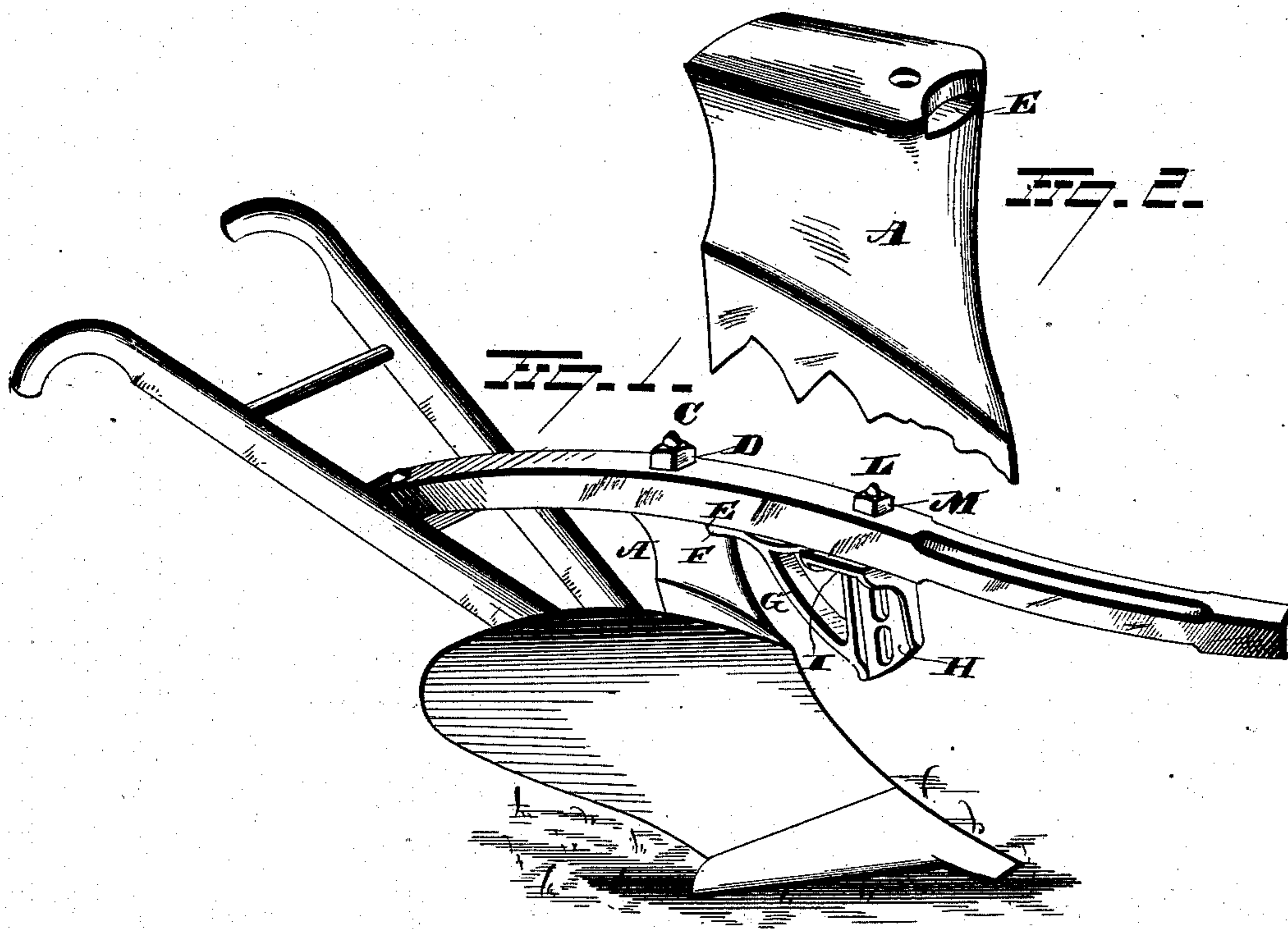


(No Model.)

J. OLIVER.  
COLTER BRACKET.

No. 284,322.

Patented Sept. 4, 1883.



**WITNESSES**

S. G. Nottingham.  
George Cook

INVENTOR

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Attorney

# UNITED STATES PATENT OFFICE.

JAMES OLIVER, OF SOUTH BEND, INDIANA, ASSIGNOR TO THE SOUTH BEND IRON WORKS, OF SAME PLACE.

## COLTER-BRACKET.

SPECIFICATION forming part of Letters Patent No. 284,322, dated September 4, 1883.

Application filed May 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES OLIVER, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful  
5 Improvements in Colter-Brackets for Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use  
10 the same.

My invention relates to an improvement in plows, and more particularly to the colter-brackets thereof, the object being to simplify the construction and operation of the said  
15 parts.

With this object in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

20 In the accompanying drawings, Figure 1 is a view in elevation of a plow embodying my invention. Fig. 2 is a detached view of the upper end of the standard. Fig. 3 is a detached view of the colter-bracket, and Fig. 4  
25 is a similar reverse view thereof.

The standard A is united to the plow-beam B by means of a single bolt, C, provided with a nut, D. Every time the relative position of the beam to the standard is changed it is  
30 turned upon the bolt C as a fulcrum, the nut D being loosened for the purpose of such adjustment. The forward portion of the upper edge of the said standard is provided with a recess, E, of equal depth throughout, and hav-  
35 ing a curved rear wall, the said recess being adapted to receive the rounded bearing F of the brace G of the colter-bracket, which consists, essentially, of the frame H, the flange I, and the said brace G, all cast integral.

40 The frame H of the bracket is provided with one or more slots, J, which receive the bolts employed to attach the colter to the bracket, the slots being elongated to permit the colter to be vertically adjusted, as re-  
45 quired.

The flange I is transversed by a segmental slot, K, extending at right angles with respect

to the plow-beam B. A bolt, L, provided with a nut, M, extends through the said beam and slot, as shown. This slot permits the  
50 bracket to be adjusted laterally to cause the colter attached to it to cut more or less earth, as desired, and to be set on a line with the landside of the plow.

As above described, the bearing F of the  
55 brace G of the colter-bracket fits in the recess E of the standard H, the said bearing moving in the recess as upon a fulcrum when the colter-bracket is adjusted. In virtue of this construction the bracket may be removed and  
60 replaced and adjusted without disturbing the bolt which unites the beam and standard, and hence the relative adjustment of the said parts.

I would have it understood that I do not limit myself to the exact construction shown  
65 and described, but hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination, with a plow-standard having a bearing-recess, E, of a colter-bracket provided with an elongated slot, K, and  
75 extension F, the latter adapted to engage in the recess E, and a bolt extending through the plow-beam and slot K, for securing the bracket to the beam, substantially as set forth.

2. In combination with a plow, a colter-  
80 bracket adjustably secured to the plow-beam, and provided with a brace having a rounded bearing, the forward portion of the upper edge of the standard being suitably recessed to receive said bearing, substantially as set  
85 forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES OLIVER.

Witnesses:

E. K. LINDSEY,  
J. T. WALKER.