

No. 829,692.

PATENTED AUG. 28, 1906.

W. H. COLE.
PLOW ATTACHMENT.
APPLICATION FILED SEPT. 8, 1905.

2 SHEETS—SHEET 1.

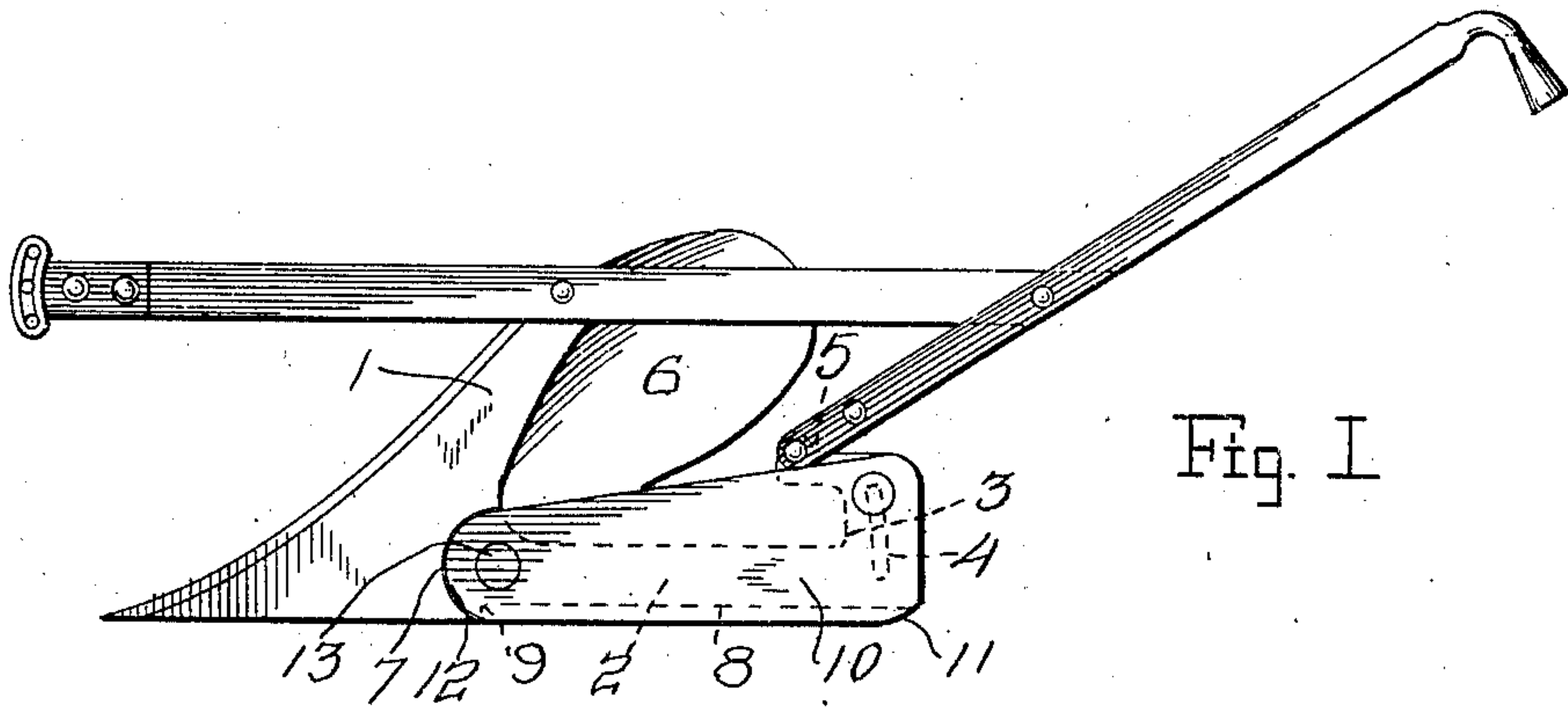


Fig. 1

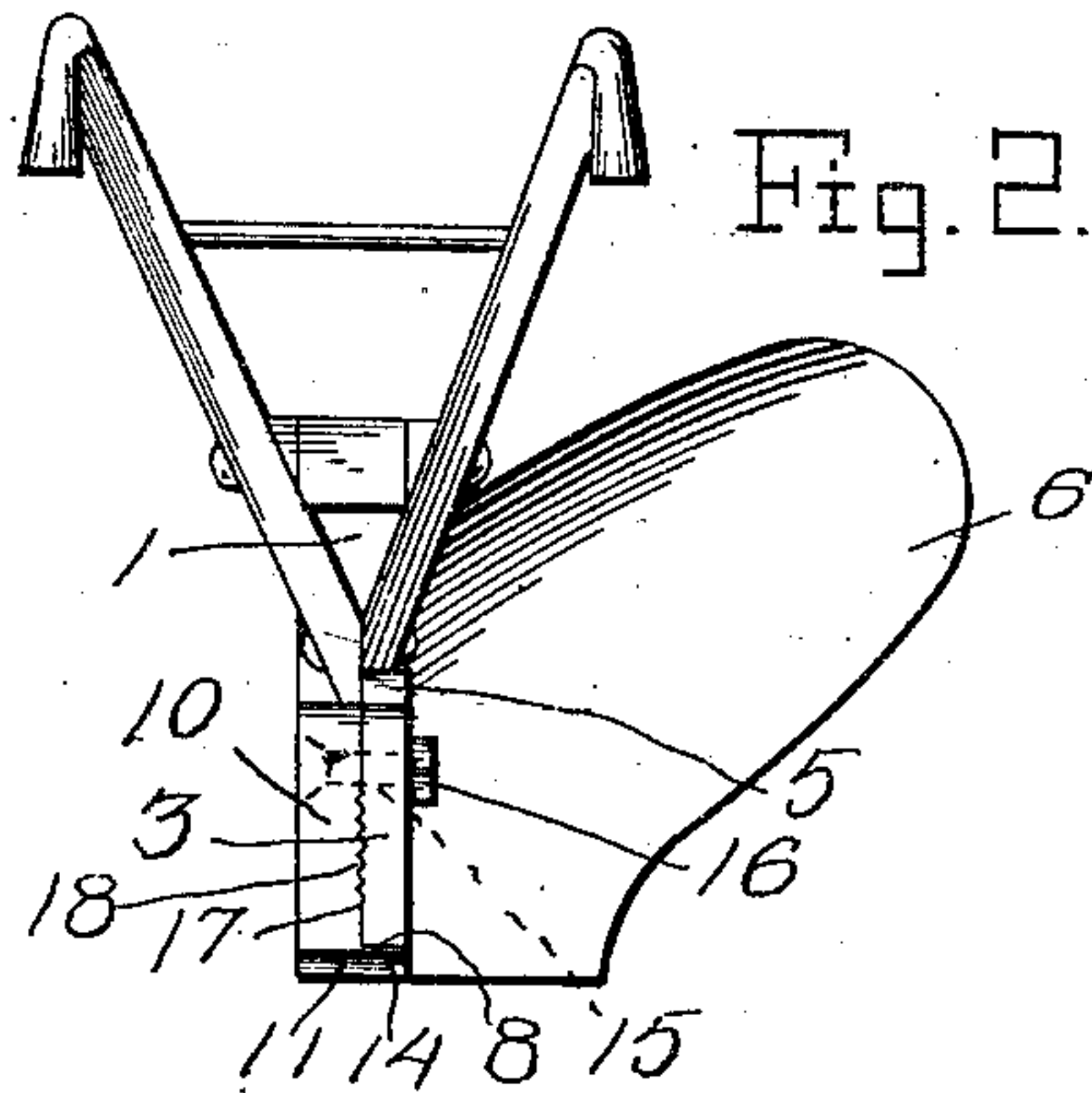


Fig. 2.

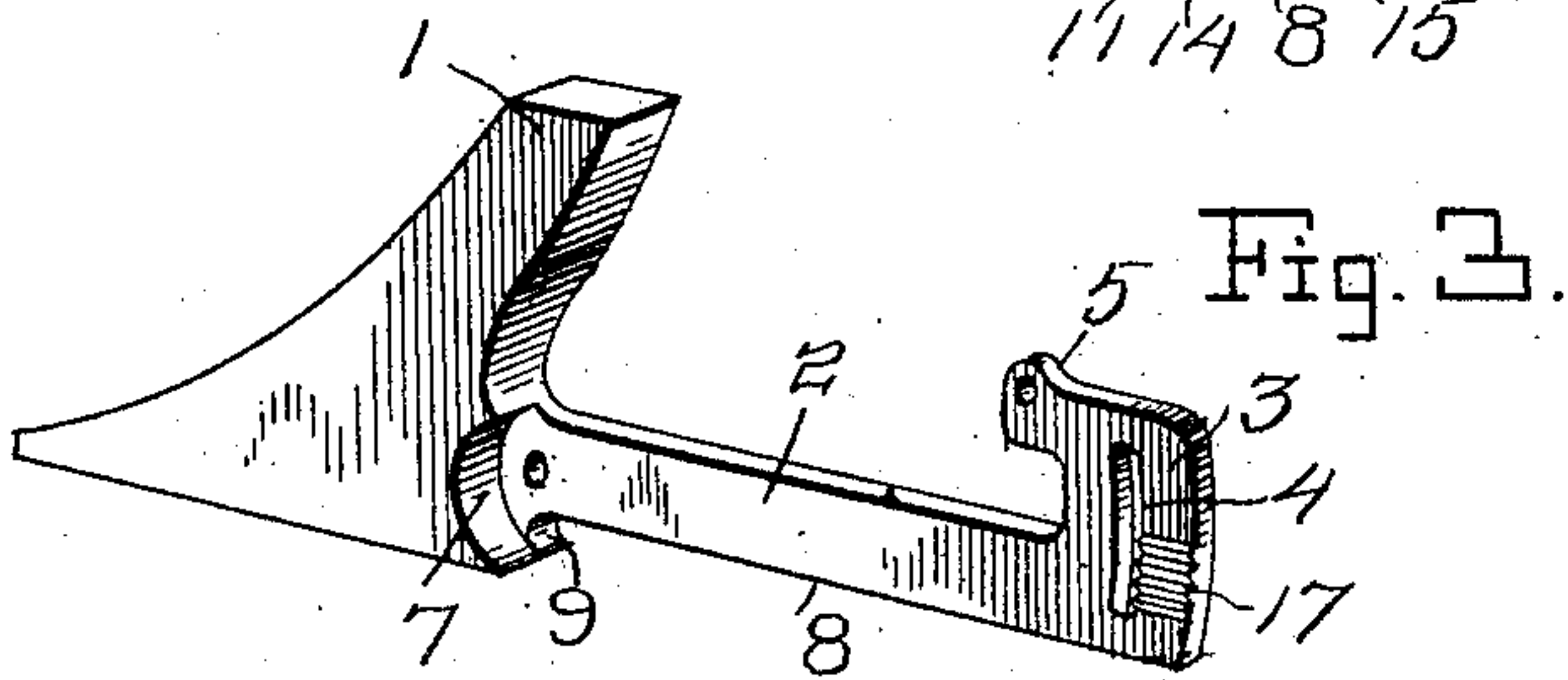


Fig. 3.

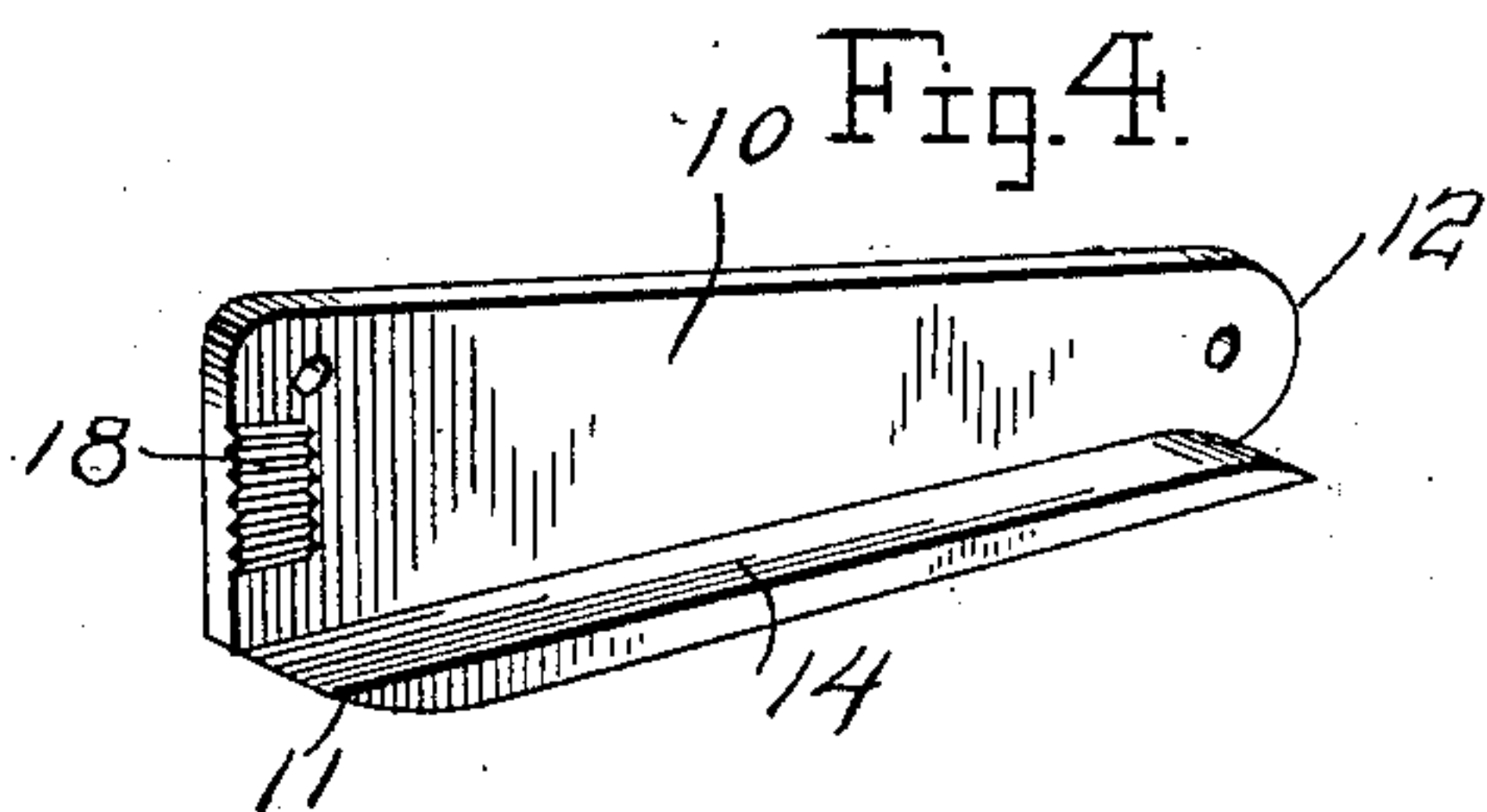


Fig. 4.

Witnesses

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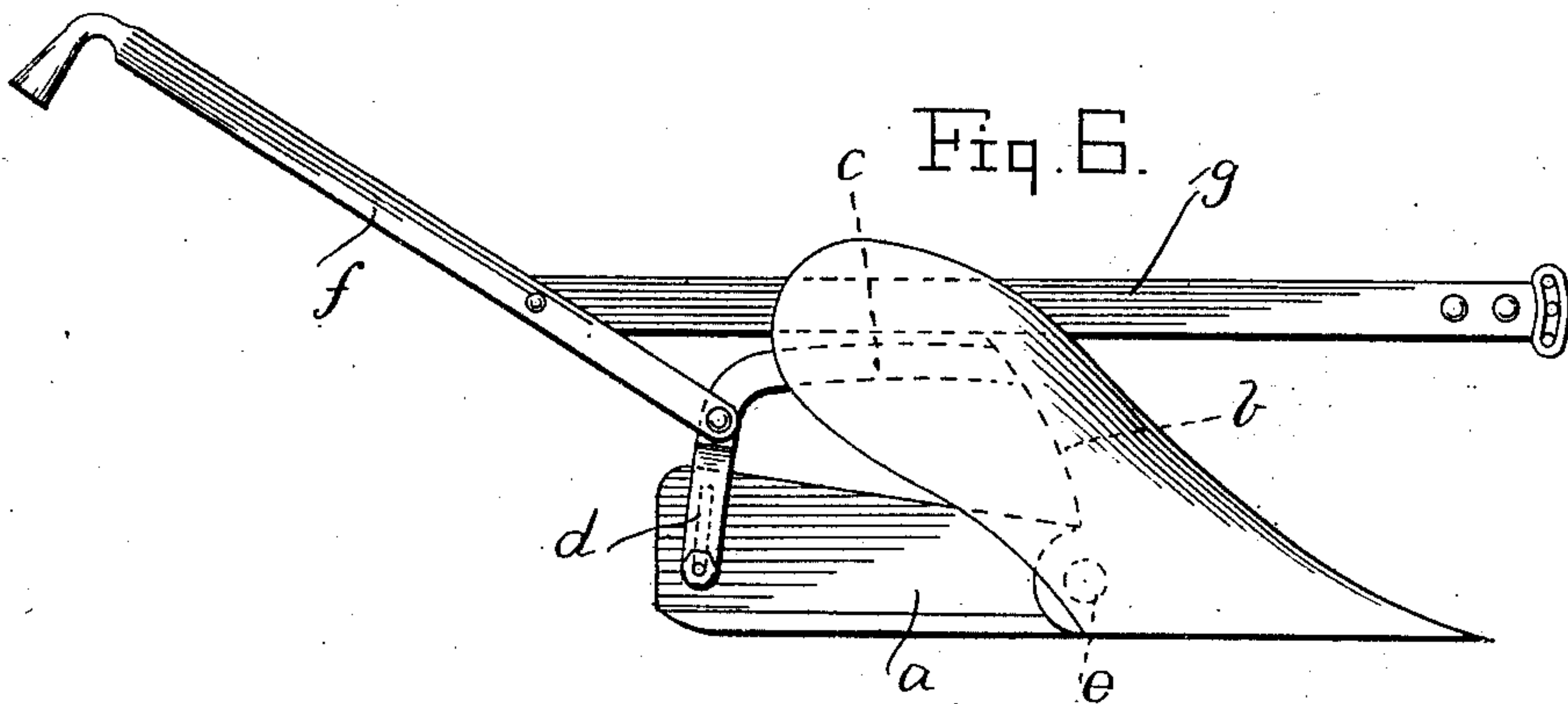
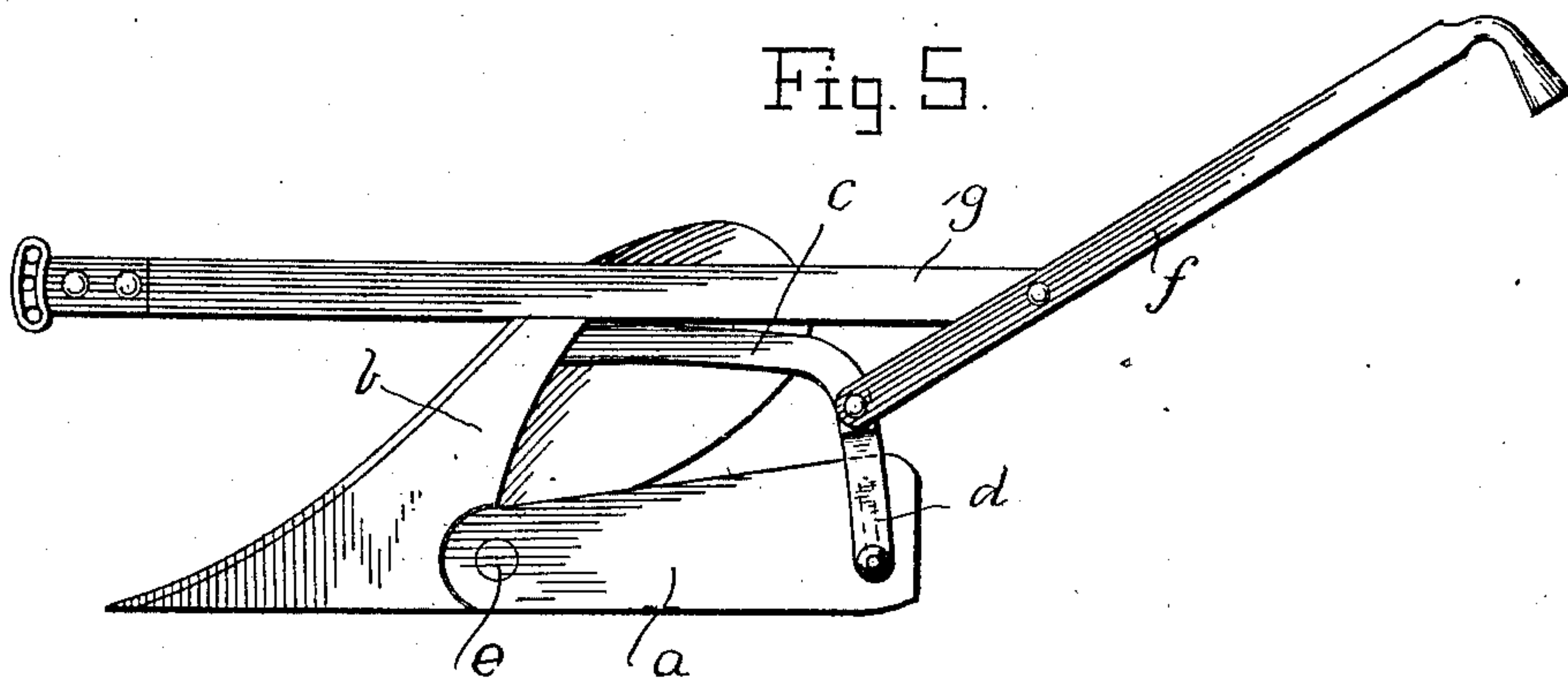
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2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM H. COLE, OF ROSEFIELD, LOUISIANA.

PLOW ATTACHMENT.

No. 829,692.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed September 8, 1905. Serial No. 277,530.

To all whom it may concern:

Be it known that I, WILLIAM H. COLE, a citizen of the United States, residing at Rosefield, in the parish of Catahoula, State of Louisiana, have invented certain new and useful Improvements in Plow Attachments; 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 the same.

This invention relates to plows, and more particularly to the "landside" thereof, and has for its primary object to provide an exceedingly simple, inexpensive, durable, and efficient means for preventing wear in the vicinity of the heel of the landside.

As is well known in this particular art, the landside is subjected to more or less wear at the heel, and therefore one object of my invention is to overcome this defect by associating with the landside a means for shielding the same. I propose to provide also a shield embodying, among other characteristics, the feature of being adjustable, so that it may serve in the capacity of an auxiliary or supplemental landside-heel for the purpose of contacting with the ground for the purpose of driving the moldboard different depths into the ground in the use of the plow.

Other objects and advantages will be apparent from the following specification, which describes an embodiment of the present invention.

In the drawings, Figure 1 is a side elevation of my invention, illustrating the main landside in dotted lines. Fig. 2 is a rear end view. Fig. 3 is a detail view of the landside and a portion of the standard with the shield removed. Fig. 4 is a detail view of a shield. Fig. 5 is a view similar to Fig. 1, but showing a modified form of construction. Fig. 6 is a view similar to Fig. 5, but taken from the opposite side thereof.

Referring now to the drawings, the reference character 1 designates a standard having its landside 2 formed integrally therewith with its rear end enlarged, as at 3, and provided with a slot 4, there being a notch 5 formed in the rear edge of the upwardly-directed enlarged portion 3. It will be observed that the slot 4 is arranged upon a slight incline with respect to the enlarged portion 3 of the landside 2.

6 designates a moldboard secured to the

forward face of the standard in any suitable manner.

The landside 2 is not only of a peculiar formation with respect to itself, but is also peculiarly formed with respect to standard 1, in that it is of a less thickness than the standard and formed from the inner rear edge of the latter, resulting in a notch 7 of semicircular formation. Furthermore, the bottom edge 8 of the landside is above the bottom edge of the standard 1, resulting in a semicircular notch 9 for a purpose presently explained. This landside is peculiarly formed in the manner stated for the purpose of receiving a shield 10, which is somewhat in the form of a triangle, having a rounded bearing-surface 11, and at its rear lower edge with its inner end formed semicircular, as at 12, for engagement in the semicircular notch 7 at the rear lower end of the standard 1. For the purpose of holding the rounded inner end 12 of the shield 10 in the said semicircular notch 7 and permit pivotal movement of the shield, I pass a suitable pivot-pin 13 through the inner end of the shield and the inner end of the landside 2. The lower edge of the shield 10 is provided with a flange 14 throughout its length to protect the lower edge of the landside 2. As stated, the shield 10 is pivotally mounted with respect to the landside, and in order to permit downward movement of the shield 10 with respect to the landside, or vice versa, I provide the upwardly-directed enlarged end 3 of the landside with the aforesaid inclined slot 4 for the sliding reception of a headed bolt 15, passing through a perforation in shield 10 and retained in place therein by means of its head, said bolt projecting inwardly beyond said shield and extending through slot 4 and screw-threaded at its extremity for the reception of a suitable nut 16, whereby the shield and landside may be clamped tightly together in adjusted positions. In order to further effect this clamping action between the shield and landside, I roughen the inner faces thereof, as indicated by the reference characters 17 and 18.

From the foregoing it will be understood that if the shield 10 is lowered so that the lower edge of the landside 2 is out of engagement therewith the rounded body portion or the heel 11 of the shield 10 causes the forward end of the moldboard or the point of the plow to be driven more deeply into the ground. In any of them the shield, with its lower flange

14, positively shields and protects the land-
side 2 from wear.

In Figs. 5 and 6 I have shown a modified
form of the invention in that the landside is
5 not elongated, enlarged, and directed up-
wardly as in the first form described. In
this second form of the invention I pivotally
secure the landside *a* at the rear lower end of
the standard *b*, and to the standard *b* I secure
10 a curved arm *c*, which is bifurcated at its outer
end to form spaced ears *d*, between which ears
d the landside *a* is secured for vertical move-
ment upon its pivot *e*. In this second form
of the invention I secure the handles *f* to the
15 beam *g* intermediate their ends and at their
lower ends to the aforesaid curved arm *c*, as
clearly shown.

What is claimed is—

20 A plow comprising in combination a stand-
ard, and a rearwardly-extending landside in-
tegral with said standard and located adja-
cent the rear lower end of said standard; said
landside being approximately half the thick-

ness of said standard and the portion of the
rear face of said standard adjacent said land- 25
side being concaved to provide a bearing-sur-
face; a shield pivoted at its inner end to said
landside and having its inner end rounded
to bear against the concave surface of said
standard; an inclined slot at the rear end of 30
said landside, and said landside having its
lower face raised slightly above the lower
face of said standard; a flange on the lower
edge of said shield for engagement with the
lower face of said landside; and a bolt attached 35
to said shield and extending through the slot
in said landside for permitting the adjust-
ment of said shield with respect to the land-
side.

In testimony whereof I affix my signature 40
in presence of two witnesses.

WILLIAM H. COLE.

Witnesses:

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