

No. 833,789.

PATENTED OCT. 23, 1906.

T. MACHIA.
COLTER.

APPLICATION FILED APR. 30, 1904.

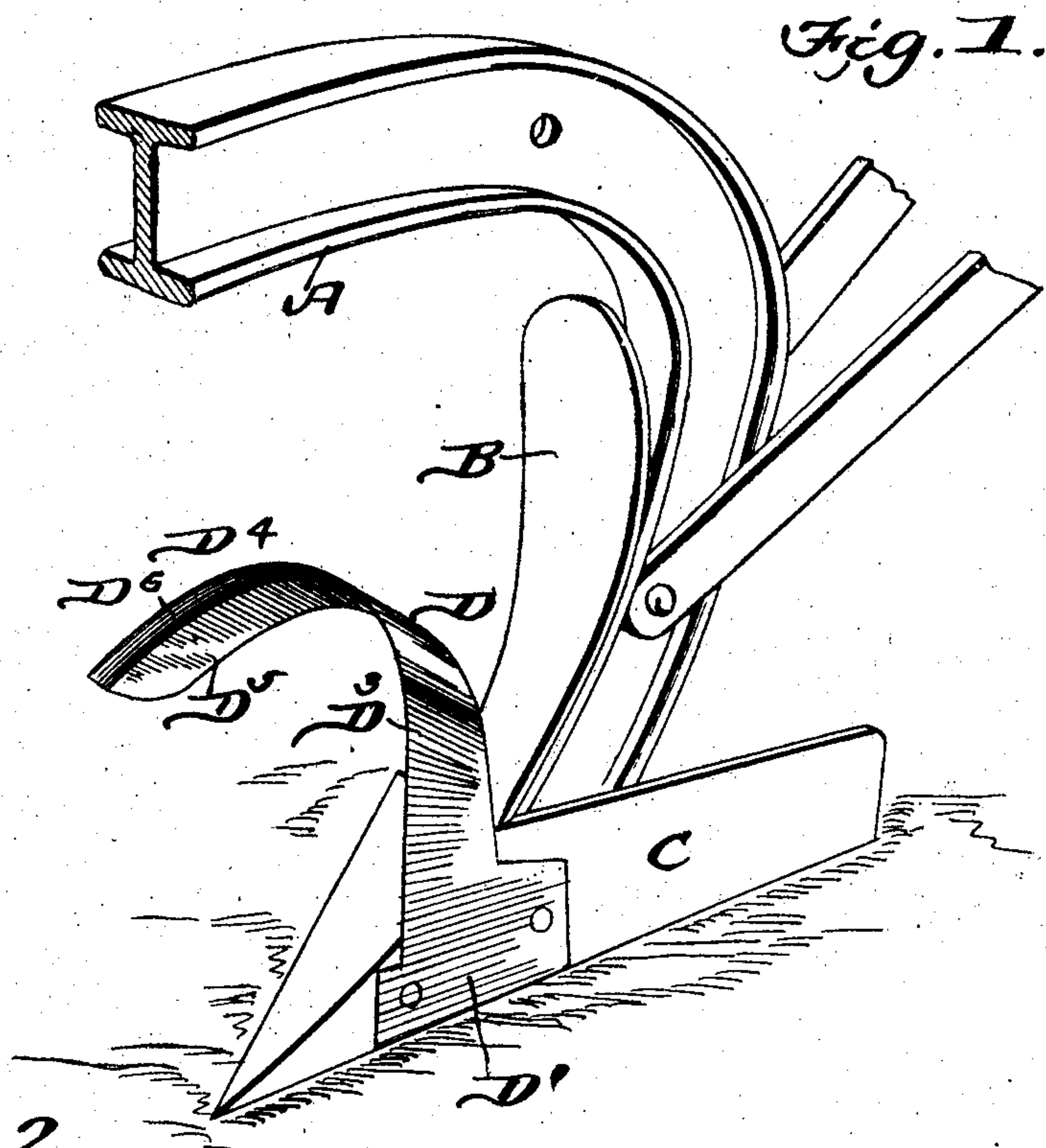


Fig. 2.

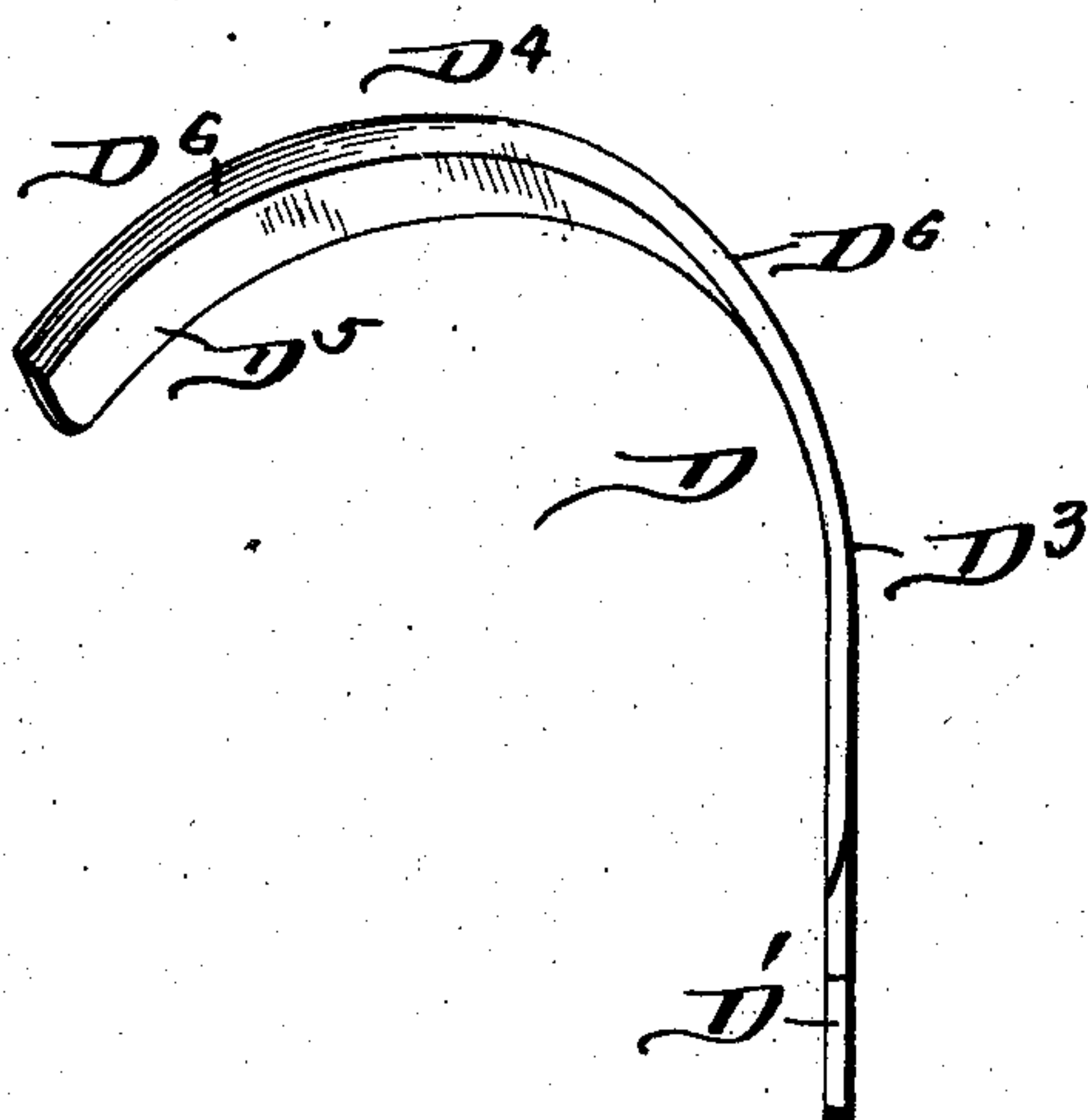
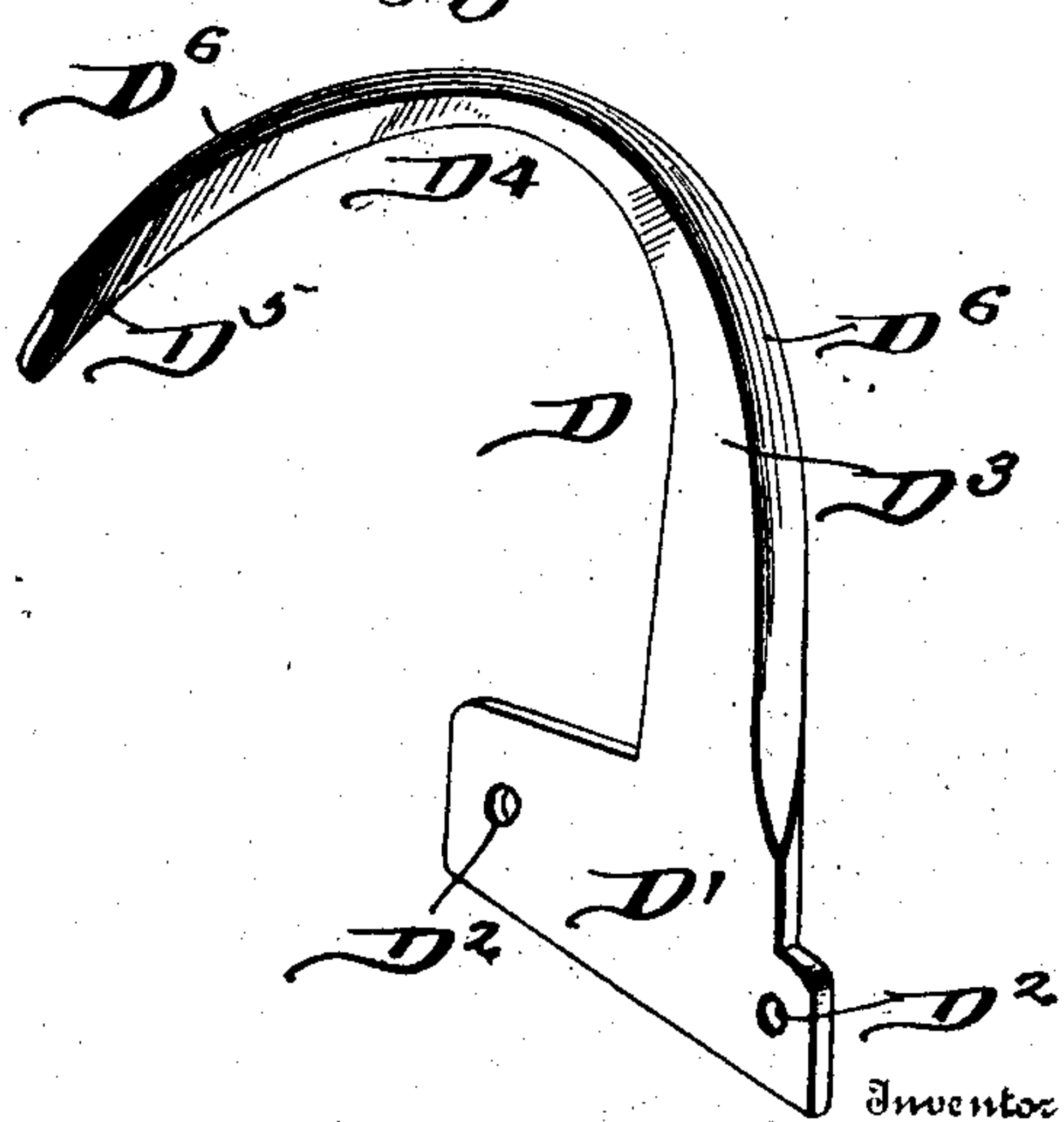


Fig. 3.



Witnesses
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THOMAS MACHIA, OF ST. FRANCIS, WISCONSIN.

COLTER.

No. 833,789.

Specification of Letters Patent.

Patented Oct. 23, 1906.

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To all whom it may concern:

Be it known that I, THOMAS MACHIA, a citizen of the United States, residing at St. Francis, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Colters, of which the following is a specification.

This invention relates generally to plow-colters, and more particularly to one adapted to be attached to the landside of the plow instead of to the plow-beam, as usual.

The object of the invention is to provide a device which can be used in connection with any kind of plow and which will effectively break up the clod and prevent the same adhering to the moldboard.

Another object of the invention is to provide a colter of this kind which will be practically self-cleaning, thereby preventing accumulation of dirt thereon.

With these objects in view the invention consists, essentially, of a steel blade having a foot-piece adapted to be attached to the landside of the plow, the body of the blade being curved throughout its entire length from the point above the forward end of the moldboard, the front edge of said blade being sharpened.

The invention consists also in certain details of construction hereinafter explained, and pointed out in the claim.

In the drawings forming a part of this specification, Figure 1 is a perspective view showing the practical application of my invention. Fig. 2 is an edge view of the colter detached. Fig. 3 is a detail perspective view of the same.

Referring to the drawings, A indicates the ordinary plow-beam, B the moldboard, and C the landside.

D indicates the colter, having the foot-

piece D', provided with openings D², through which bolts are passed for the purpose of fastening the device to the landside of the plow. Ordinarily this colter is from twenty to twenty-four inches in length, and the lower end is substantially straight or vertical to the point indicated at D³, which point is usually seven or eight inches from the end and is sufficient to clear the forward end of the moldboard. From the point D³ to the extreme end the colter-blade is given a gradual curve, as shown at D⁴, and adjacent the outer end the blade is given a slight forward twist, as indicated at D⁵. The forward edge of the blade is sharpened, as shown at D⁶. By having the blade curved and the free end twisted, as described, the colter is made self-cleaning, thereby preventing the accumulation of dirt and rendering the colter capable of use in any kind of soil. Any form of foot-piece may be employed, and this foot-piece can be connected to the landside in any suitable manner.

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

A colter comprising a suitable foot-piece, a blade integral with the foot-piece and rising above the same and gradually curved in a lateral direction with respect to the foot-piece, said blade having a front cutting edge, the said cutting edge being in a higher horizontal plane than the opposite edge, the said blade being inclined upwardly and forwardly from the rear edge to the front edge, for the purpose set forth.

THOMAS MACHIA.

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