

S M. WHITE & J. A. FRANCIS.  
Plow-Point.

No. 206,910.

Patented Aug. 13, 1878.

Fig. 1.

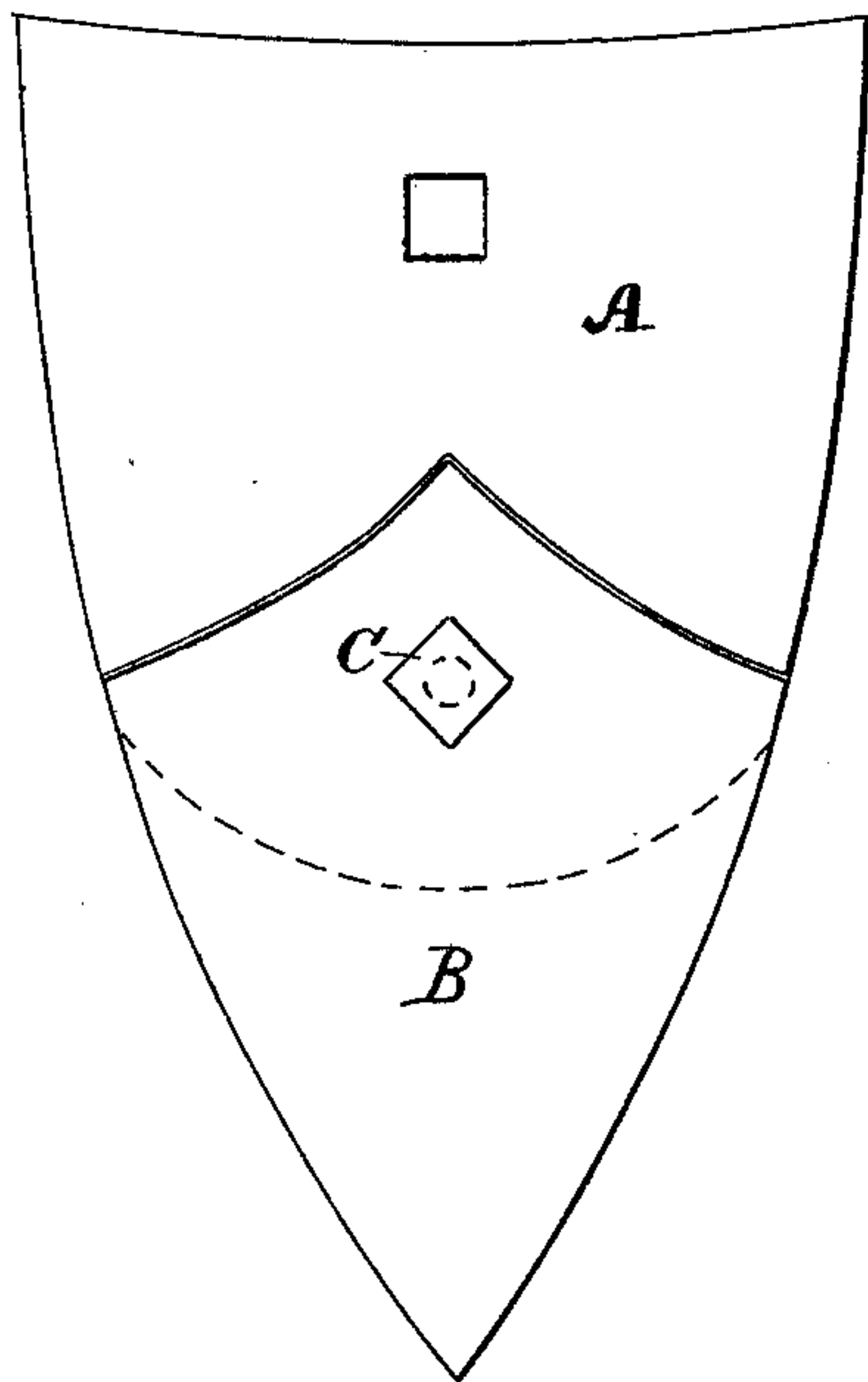


Fig. 2.

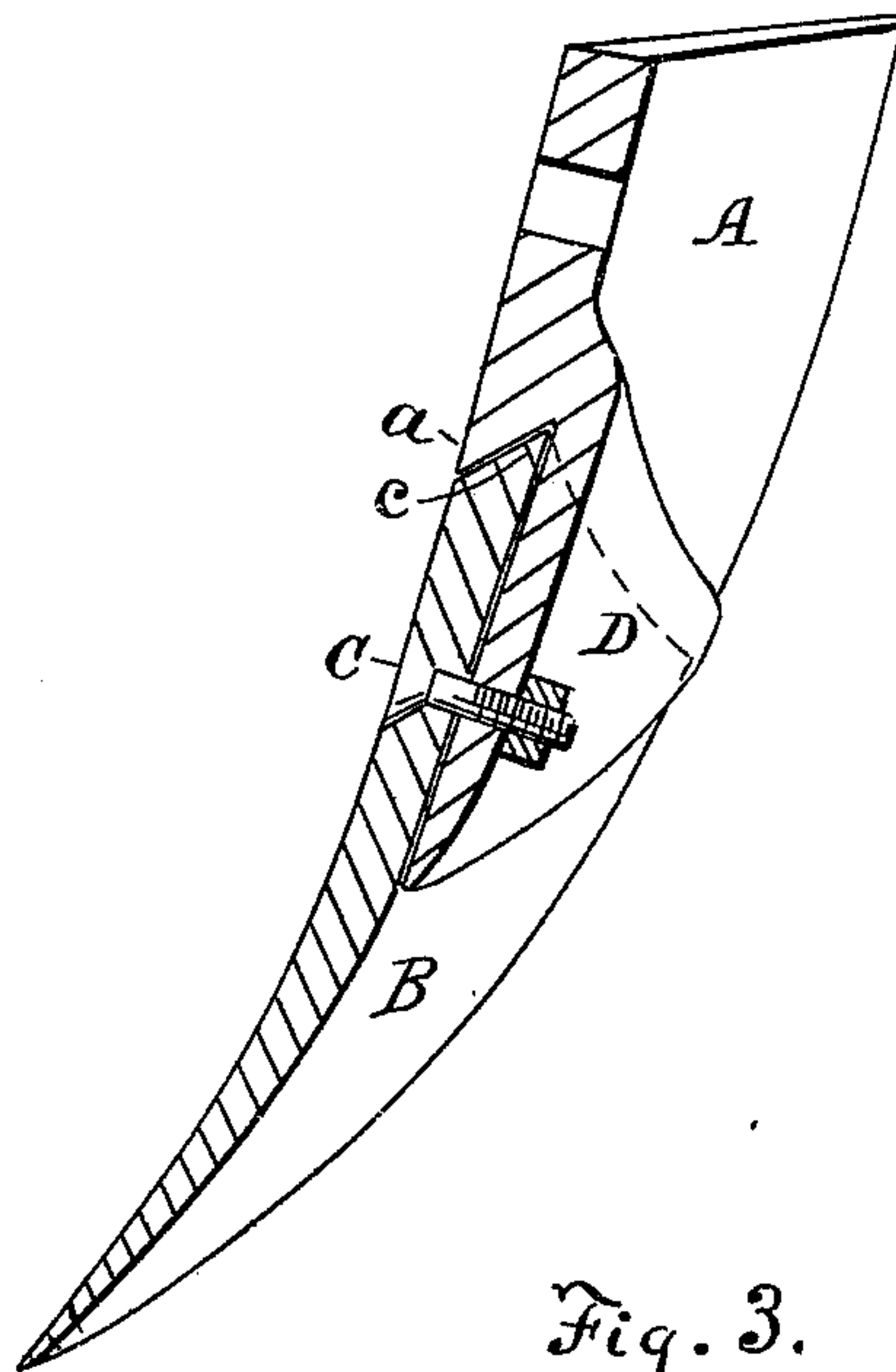


Fig. 3.

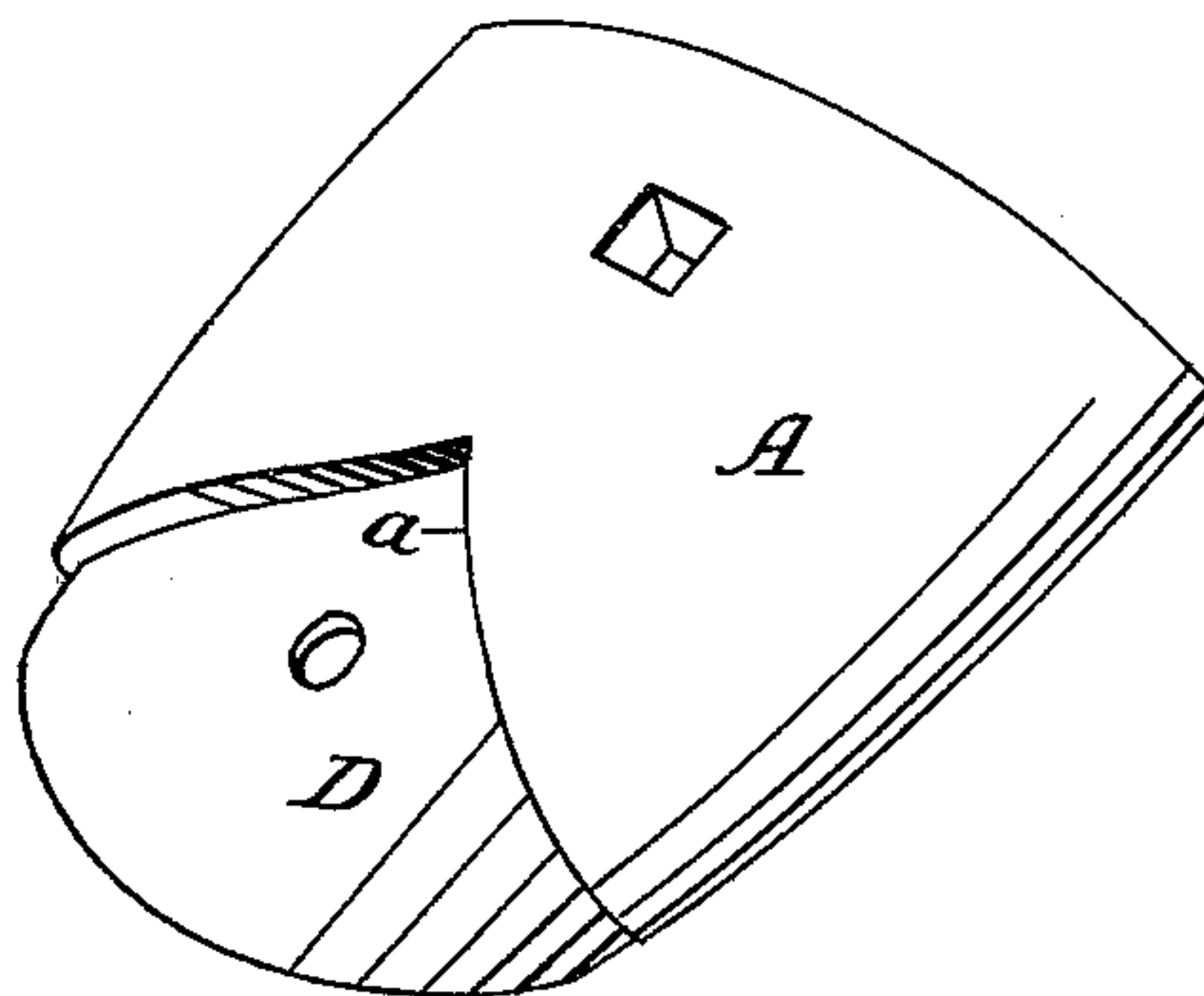
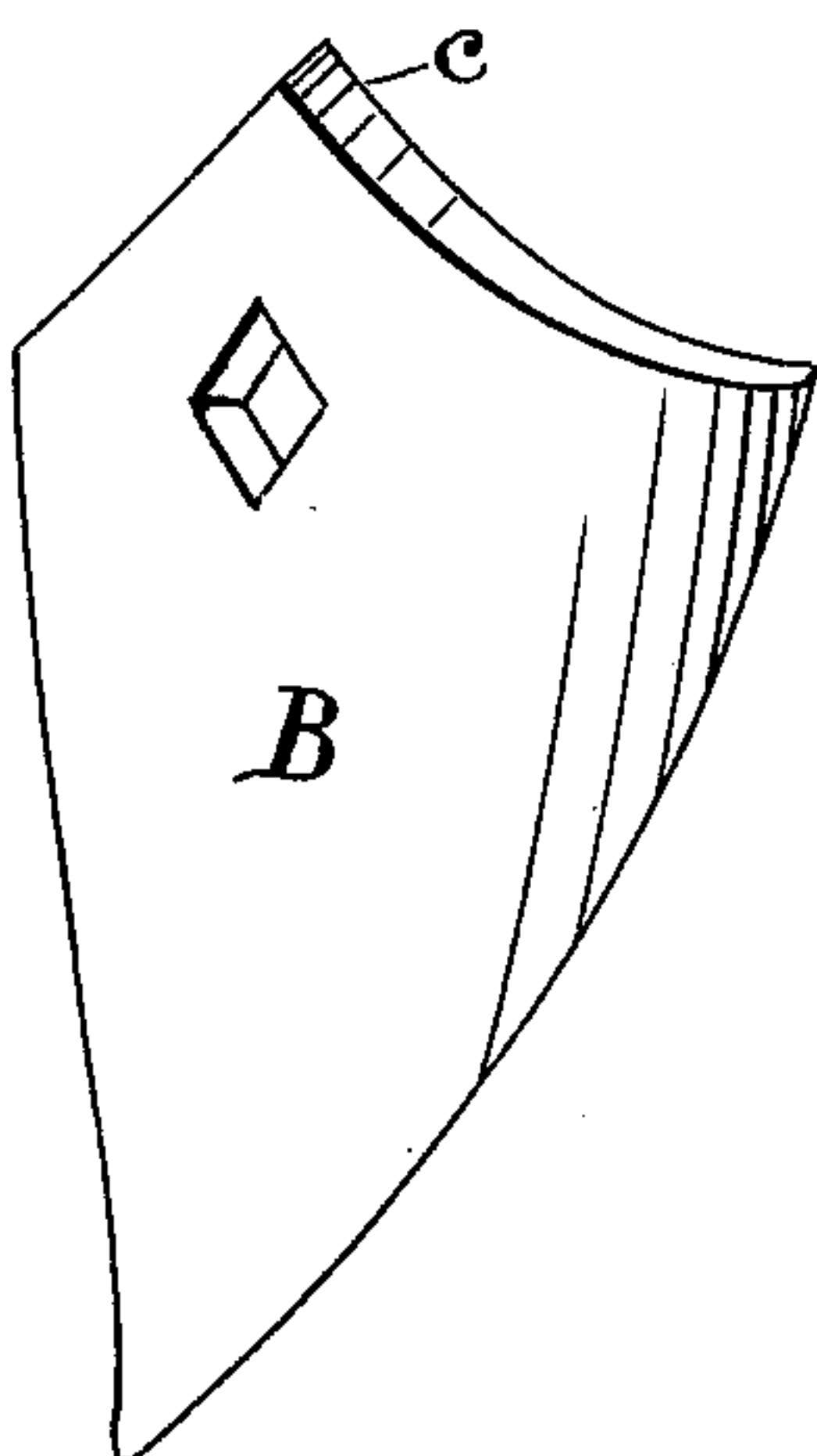


Fig. 4.



Witnesses :  
D. O'Donnoghue  
John O'Donnoghue.

Inventors .  
Sam'l M. White  
John A. Francis.  
By H. J. Ennis  
Attorney.

# UNITED STATES PATENT OFFICE.

SAMUEL M. WHITE AND JOHN A. FRANCIS, OF SALEM, VIRGINIA.

## IMPROVEMENT IN PLOW-POINTS.

Specification forming part of Letters Patent No. **206,910**, dated August 13, 1878; application filed July 3, 1878.

*To all whom it may concern:*

Be it known that we, SAMUEL M. WHITE and JOHN A. FRANCIS, of Salem, in the county of Roanoke and State of Virginia, have invented certain new and useful Improvements in Plow-Points; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a front elevation of a plow embodying the improvements in our invention. Fig. 2 is a vertical cross-sectional view. Fig. 3 is a perspective view of the upper portion of the plow-point; and Fig. 4 is a view, in perspective, of the lower portion of the plow-point.

This invention has relation to plow-points; and consists in the improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawing similar letters of reference indicate like parts in the several figures.

A represents the upper portion of the plow-point, having the back plate or offset D and the upward-inclining recess *a*, which is arrow-pointed, as shown in Fig. 1.

B is the lower portion of the plow-point, having the arrow-shaped upward projection with its edges beveled to fit the recess *a* in the upper portion, A, of the plow, so that when the two portions are united pressure upon the extreme lower point of the lower portion, B, of the plow will be counteracted by joint formed by the union of the bevel *c* and the recess *a*. A bolt, C, is used to connect the two portions A and B.

The plow-point is connected to the plow-shank in the usual manner.

Having thus described our invention, what we claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In a plow-point, the combination of the upper portion, A, provided with the arrow-shaped undercut recess *a*, with the lower portion, B, having the arrow-shaped bevel *c* and the bolt C, constructed and operating substantially as described.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

SAMUEL M. WHITE.  
JOHN A. FRANCIS.

Witnesses:

JNO. M. OAKLEY,  
WM. S. OAKLEY.