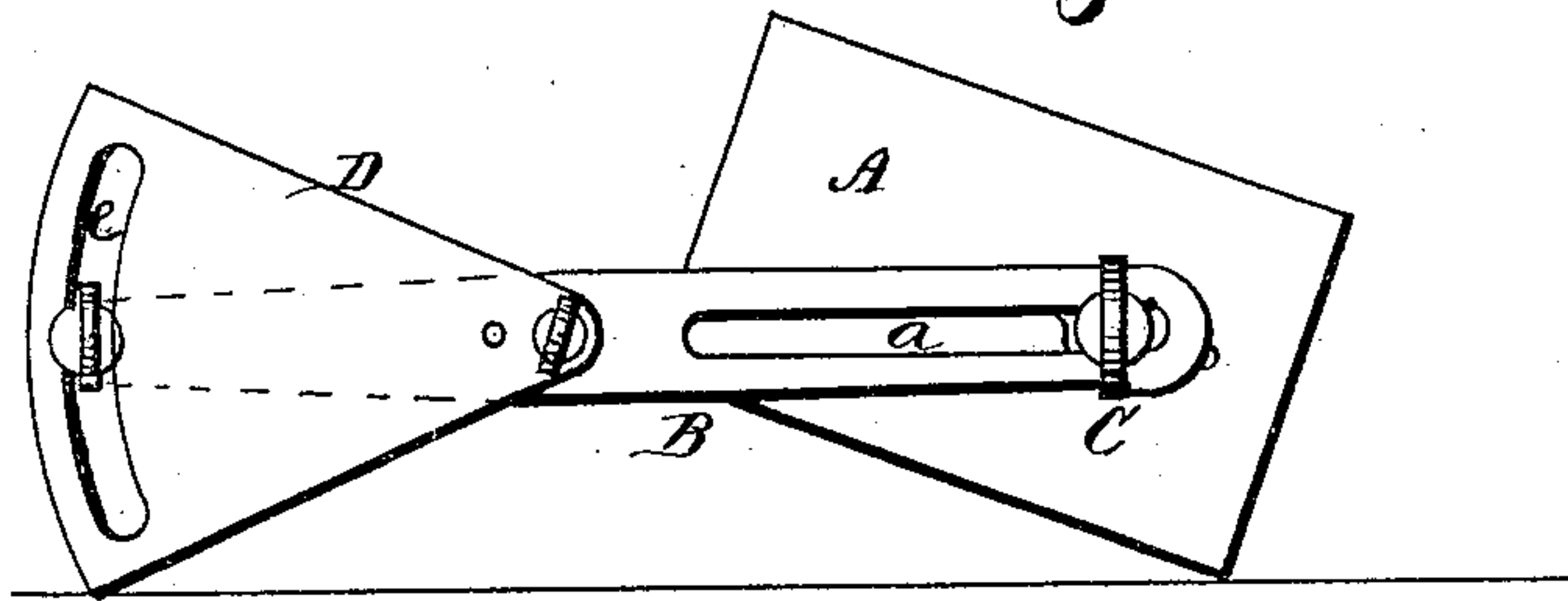


L. SHANE.  
Planes.

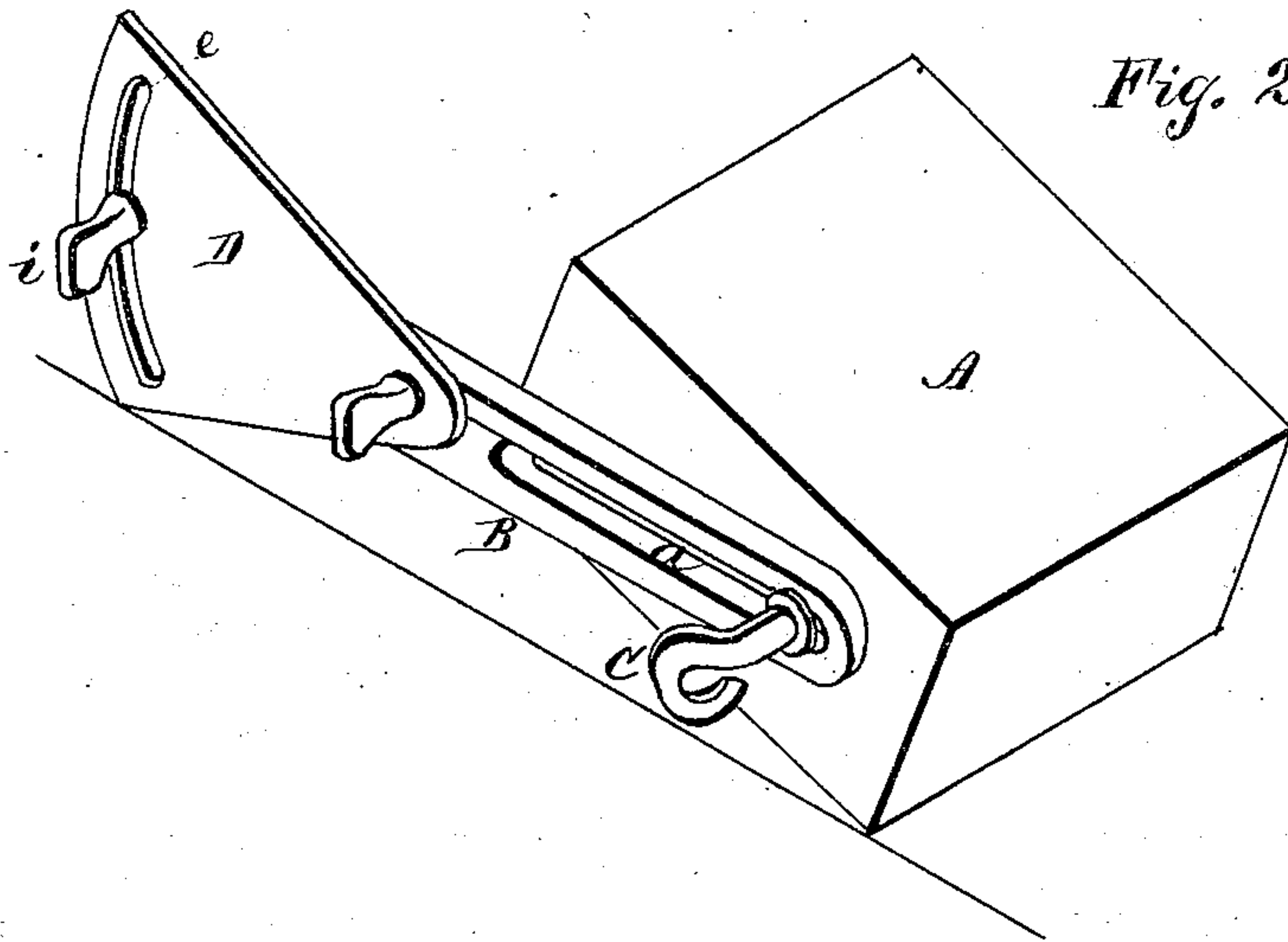
No. 153,122.

Patented July 14, 1874.

*Fig. 1.*



*Fig. 2.*



WITNESSES.

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*Leonard Shane.*

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# UNITED STATES PATENT OFFICE.

LEONARD SHANE, OF HAMPTON, IOWA.

## IMPROVEMENT IN PLANES.

Specification forming part of Letters Patent No. **153,122**, dated July 14, 1874; application filed June 1, 1874.

*To all whom it may concern:*

Be it known that I, LEONARD SHANE, of Hampton, in the county of Franklin and in the State of Iowa, have invented certain new and useful Improvements in Planes; and do hereby declare that the following is full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference thereon, making a part of this specification.

The nature of my invention consists in the use of a device which is secured to the end of a plane, for the purpose of canting the same, for planing beveled surfaces, as will be set forth.

In the annexed drawings, Figure 1 is an end view of a plane with device attached, and Fig. 2 is a perspective of same. In the figures, A represents the end of a plane, to which is connected, by means of a set-screw, a slotted bar, B. To one end of this bar B is pivoted a triangular guide-plate, D; it is also connected to the bar B by means of a set-screw, *i*, which works through a slot, *e*, in said plate. The

angle of the bar D can be changed on the end of the plane by means of the set-screw C, and the angle of the plate D can be changed on the bar B by means of its pivot and set-screw *i*. It will be seen that, by means of these two changes, the plane can be canted so that it will work upon irregular surfaces.

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

The combination, with a plane, A, of the bar B, having the slot *a*, and the set-screw C, the triangular bar D, pivoted to the bar B, and having the curved slot *e*, and the adjusting-screw *i*, all substantially as and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 11th day of May, 1874.

LEONARD SHANE.

Witnesses:

J. W. MCKENZIE,  
G. C. HAYES.