

J. UTTER.
Planing-Machines.

No. 143,734.

Patented Oct. 14, 1873.

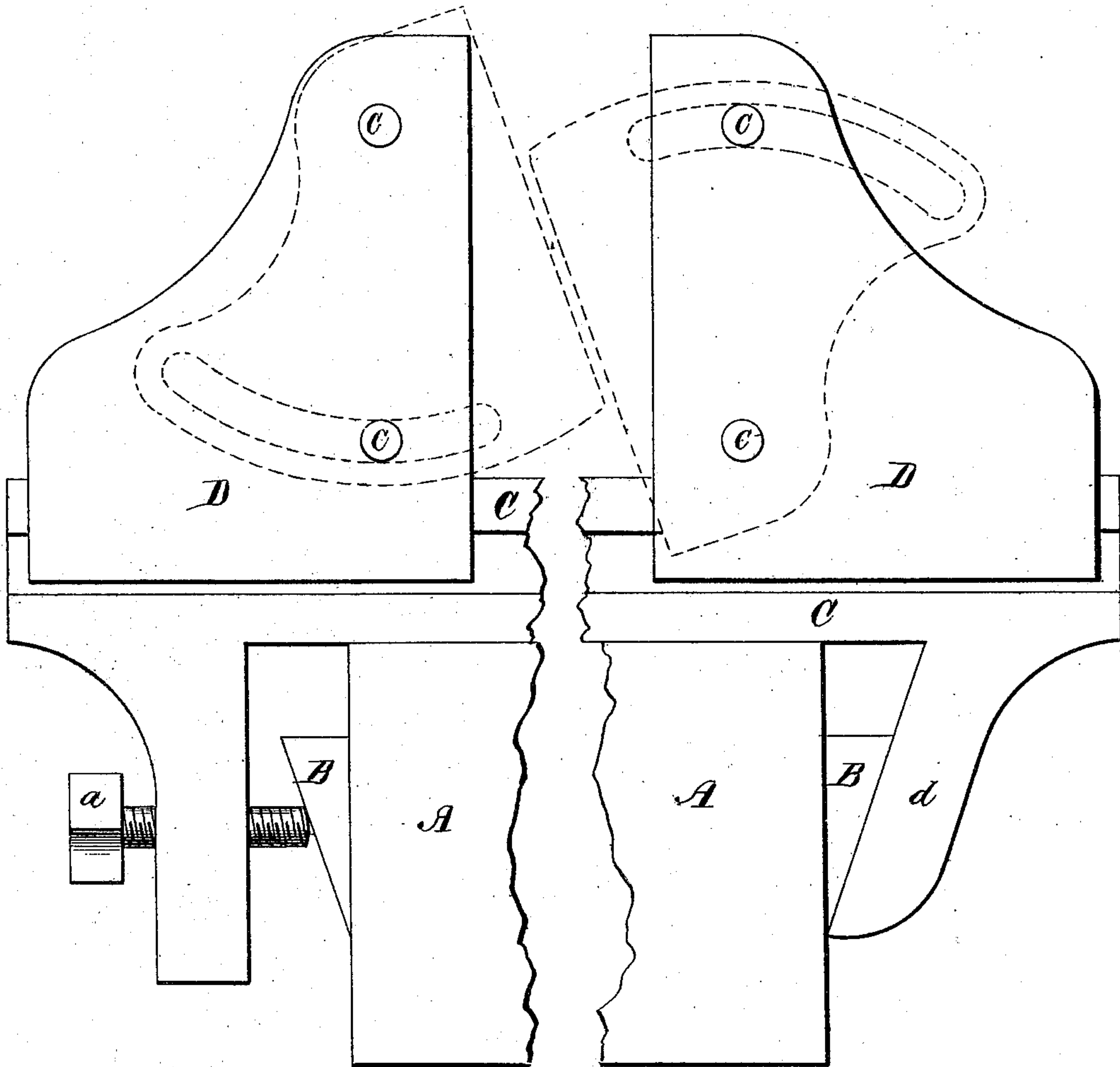


Fig. 1

Witnesses

Jesse Walcott,
Phil P. Hawley

Inventor

John Utter

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Fig. 2

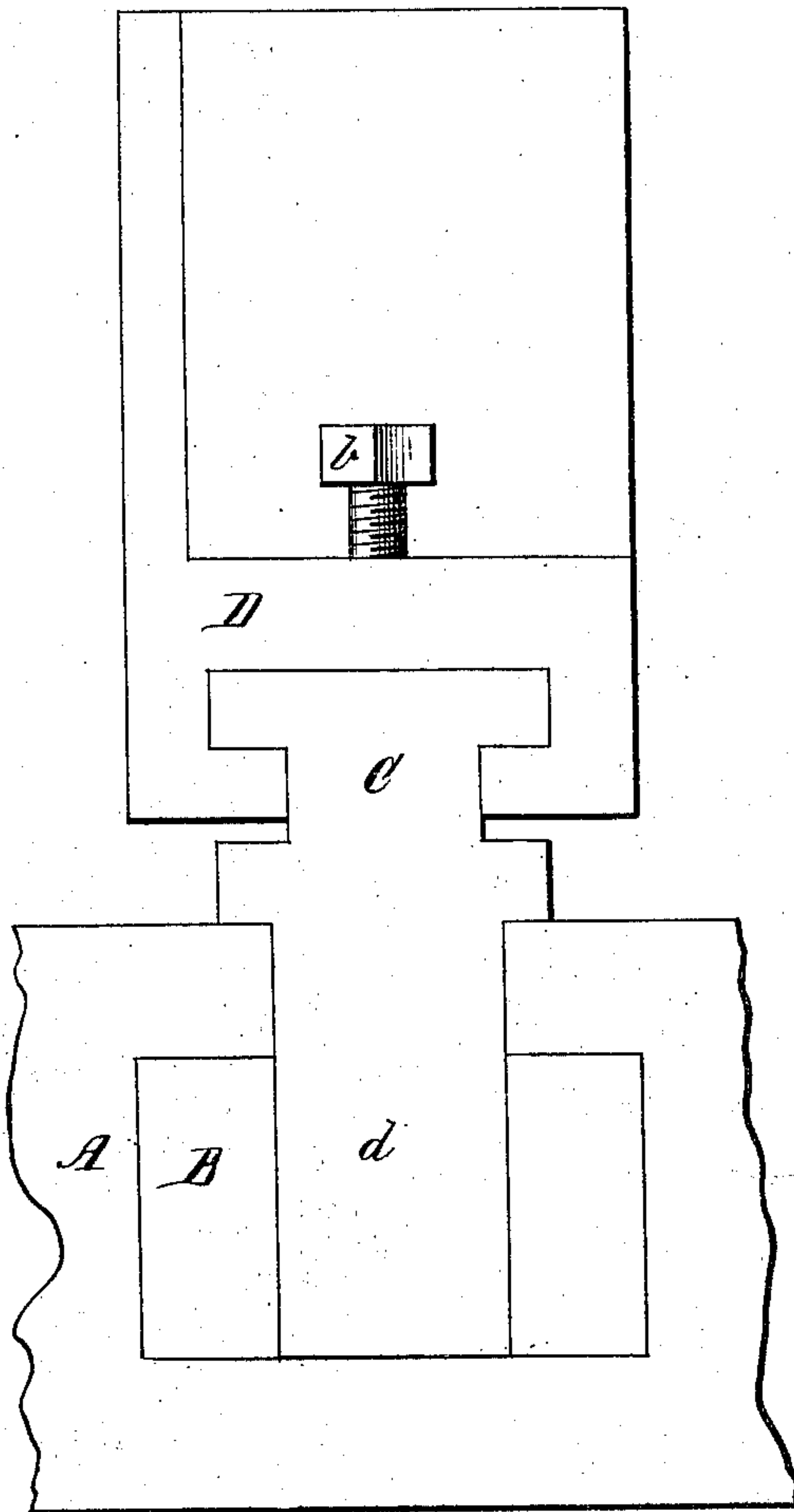
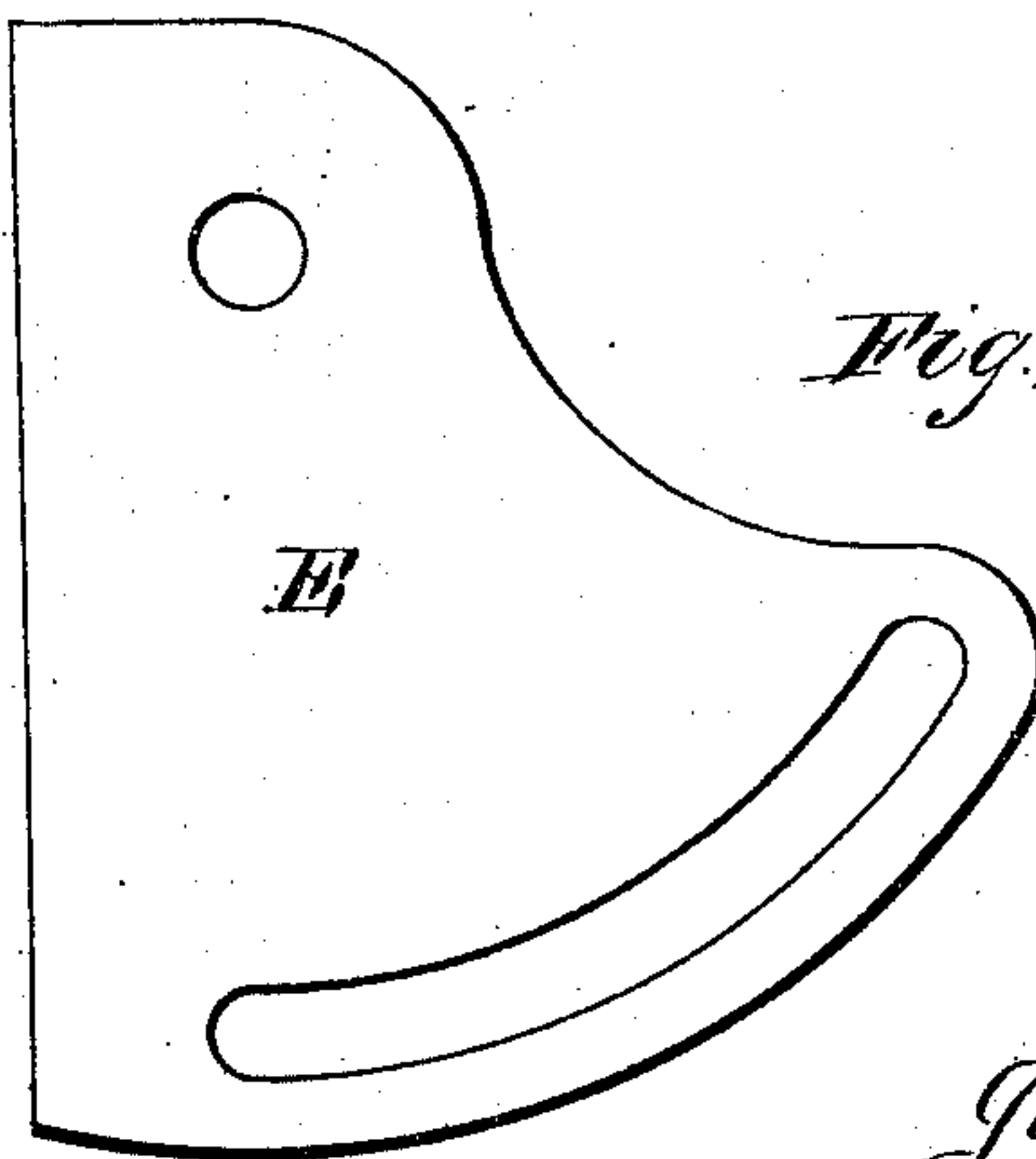


Fig. 3



Witnesses
Jesse Walcott
Phil P Hawkes

Inventor
John Utter

UNITED STATES PATENT OFFICE.

JOHN UTTER, OF CENTRAL FALLS, RHODE ISLAND.

IMPROVEMENT IN PLANING-MACHINES.

Specification forming part of Letters Patent No. **143,734**, dated October 14, 1873; application filed August 18, 1873.

To all whom it may concern:

Be it known that I, JOHN UTTER, of Central Falls, in the county of Providence and State of Rhode Island, have invented a Clamp to Secure Lumber to the Bed of a Daniels or other Movable-Bed Planer, of which the following is a specification:

The first part of my invention consists of a movable bed or slide that may be secured on top of the planer-bed at any point required, with movable jaws thereon that may be secured at any part of the slide, and the faces of which are at right angles with the top of the slide; the object of these being to present the edges of the lumber to the planer-knives at right angles, for the purpose of jointing them square and straight. The second part of my invention consists of a segment secured to the side of the movable jaws by two set-screws, upon one of which it revolves, while the other secures it in the position desired; the object of this being to present the lumber to the planer-knives at any desired angle.

Figure 1 is a side elevation of the machine embodying my invention, the dotted lines showing the position of Fig. 3 when in use. Fig. 2 is an elevation, showing a rear view of the machine. Fig. 3 is a side view of the segment.

A is a portion of the planer-bed. B B are thin pieces of metal secured to the side of the planer-bed at intervals, in pairs, opposite each other, for the purpose of receiving the lug *d* and set-screw *a*, Fig. 1, to secure the bed or slide C to the planer-bed. C is the bed or slide, that should be made of metal, and of an equal thickness, with the top T-shaped, the lugs of the jaws D catching under the T. D D are the jaws, also of metal, grooved on the under side to fit the bed, and secured in place by the set-screw *b*, Fig. 2. The under part of the groove should be at right angles with the face, so that the face will stand at right angles with the slide when the set-screw is tight. E is the segment, of metal of a moderate thickness, secured to the jaws D D by set-screws *c c*, Fig. 1, as shown by dotted lines.

I claim as my invention—

A device constructed substantially as and for the purpose described.

JOHN UTTER.

Witnesses:

PHILO P. HAWKES,
JESSE WALRATH.