

J. C. MOORE.
Stave-Jointers.

No. 146,838.

Patented Jan. 27, 1874.

Fig. 1.

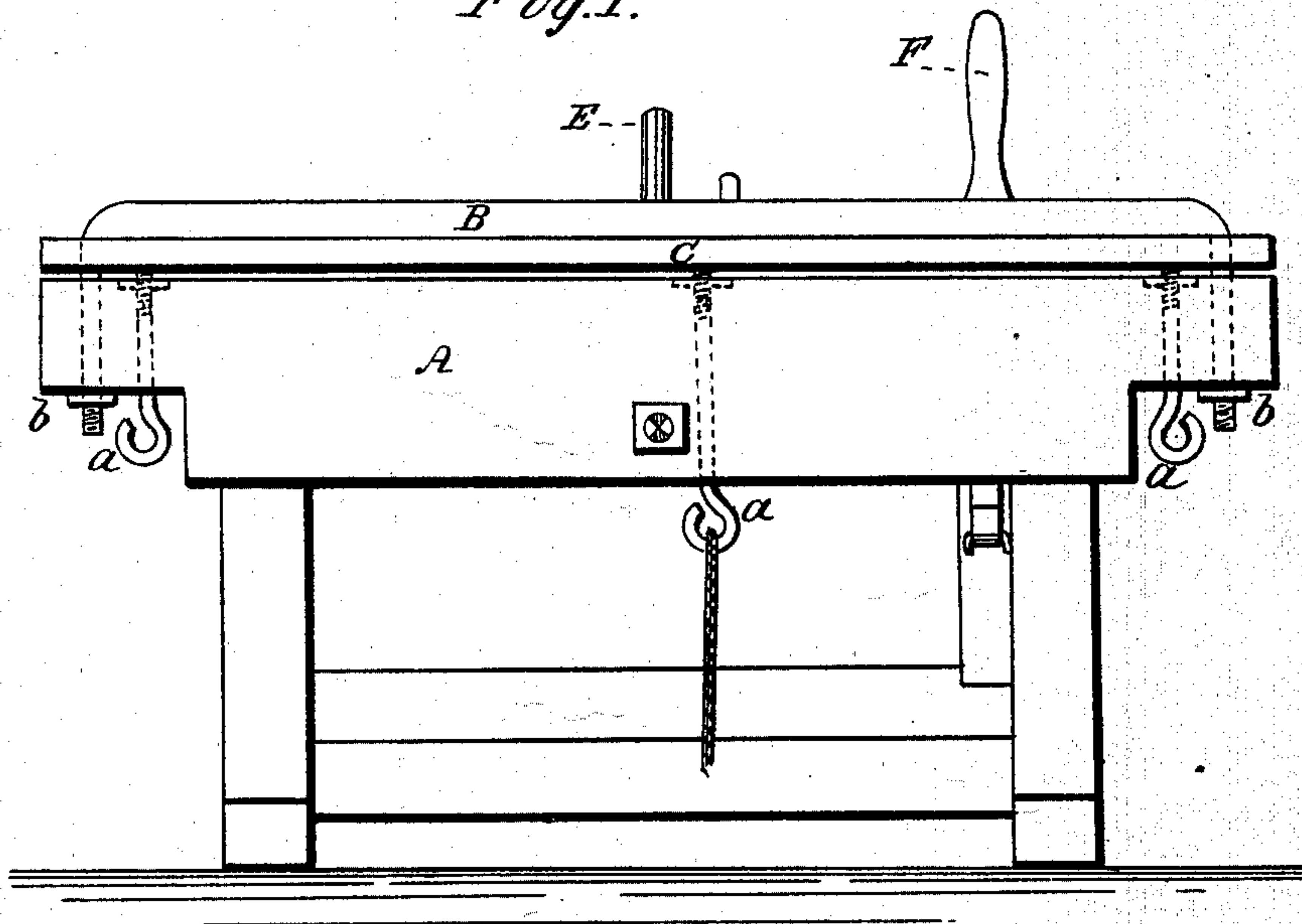


Fig. 4.

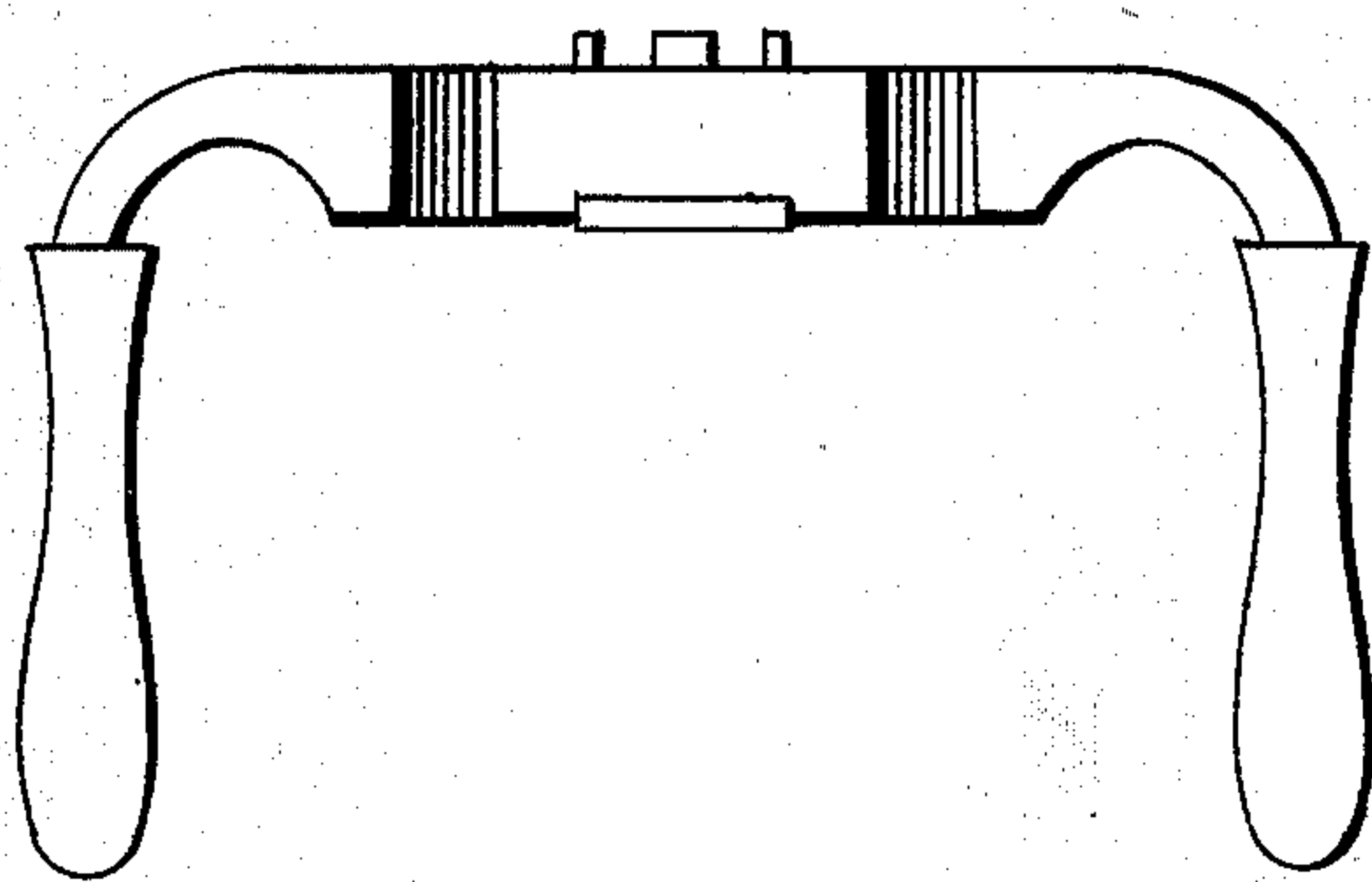
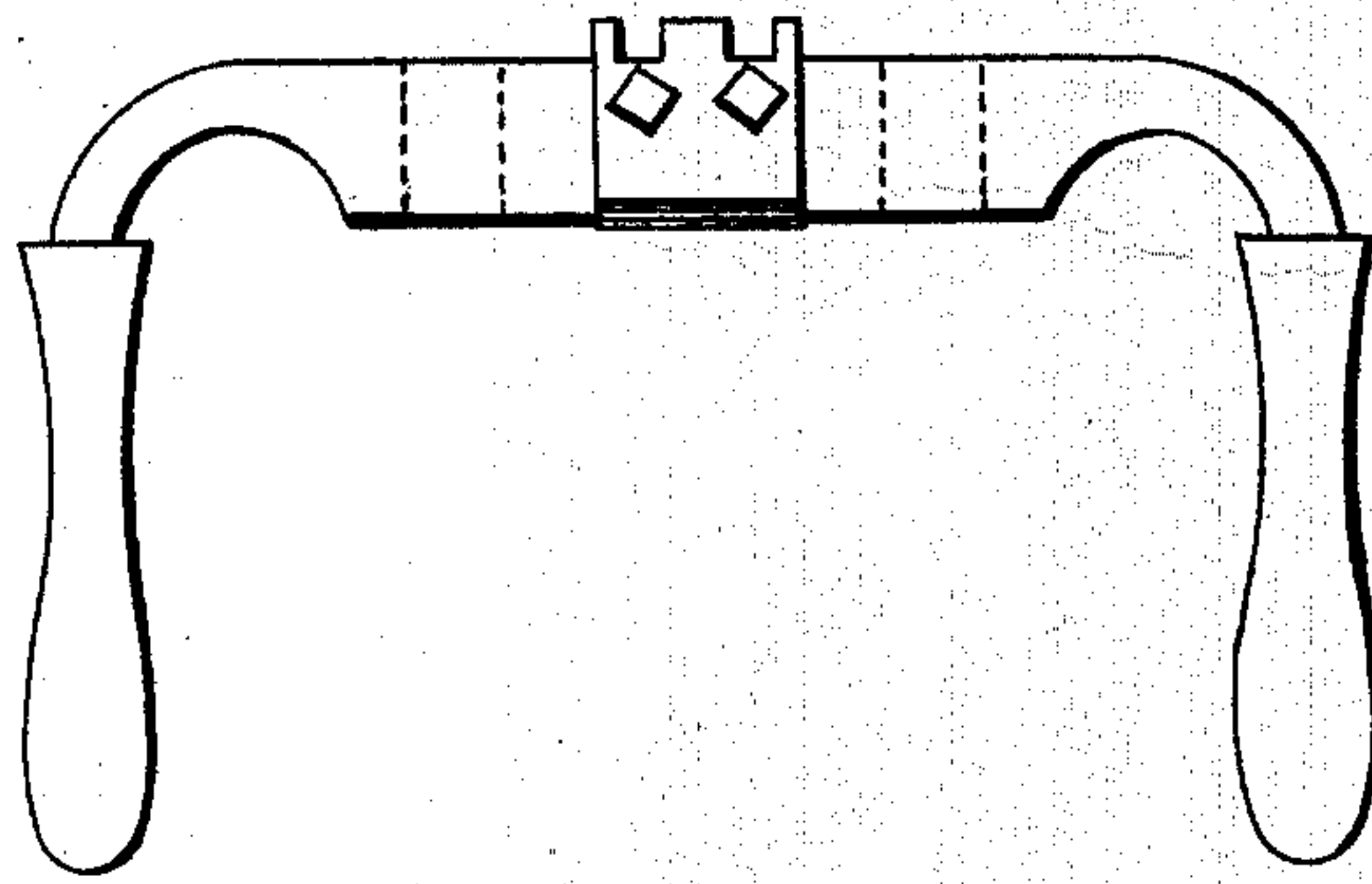


Fig. 5.



Witnesses.

C. K. Sharp.
Clint H. Sharp.

Inventor.

James C. Moore.

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Fig. 2.

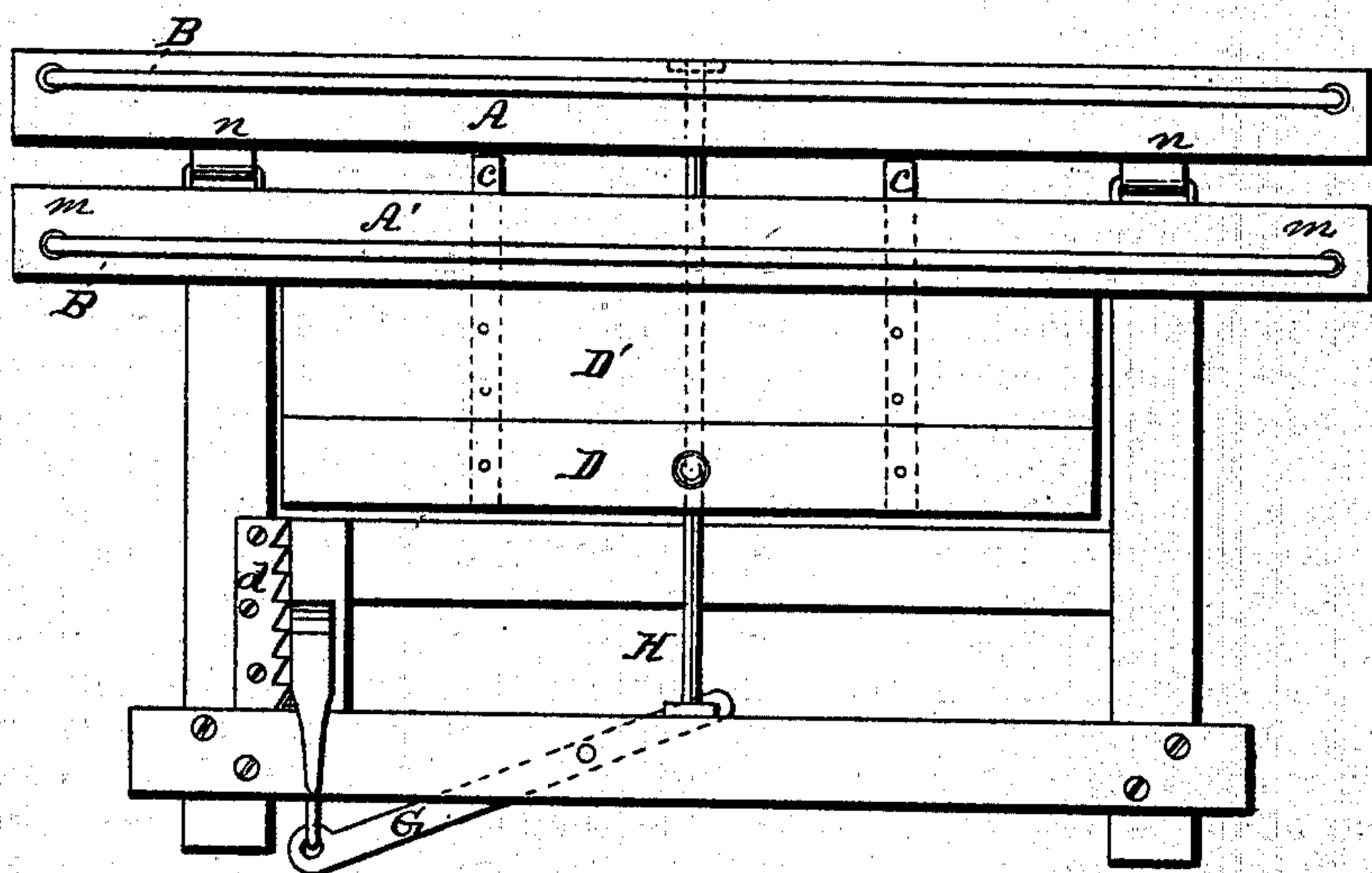
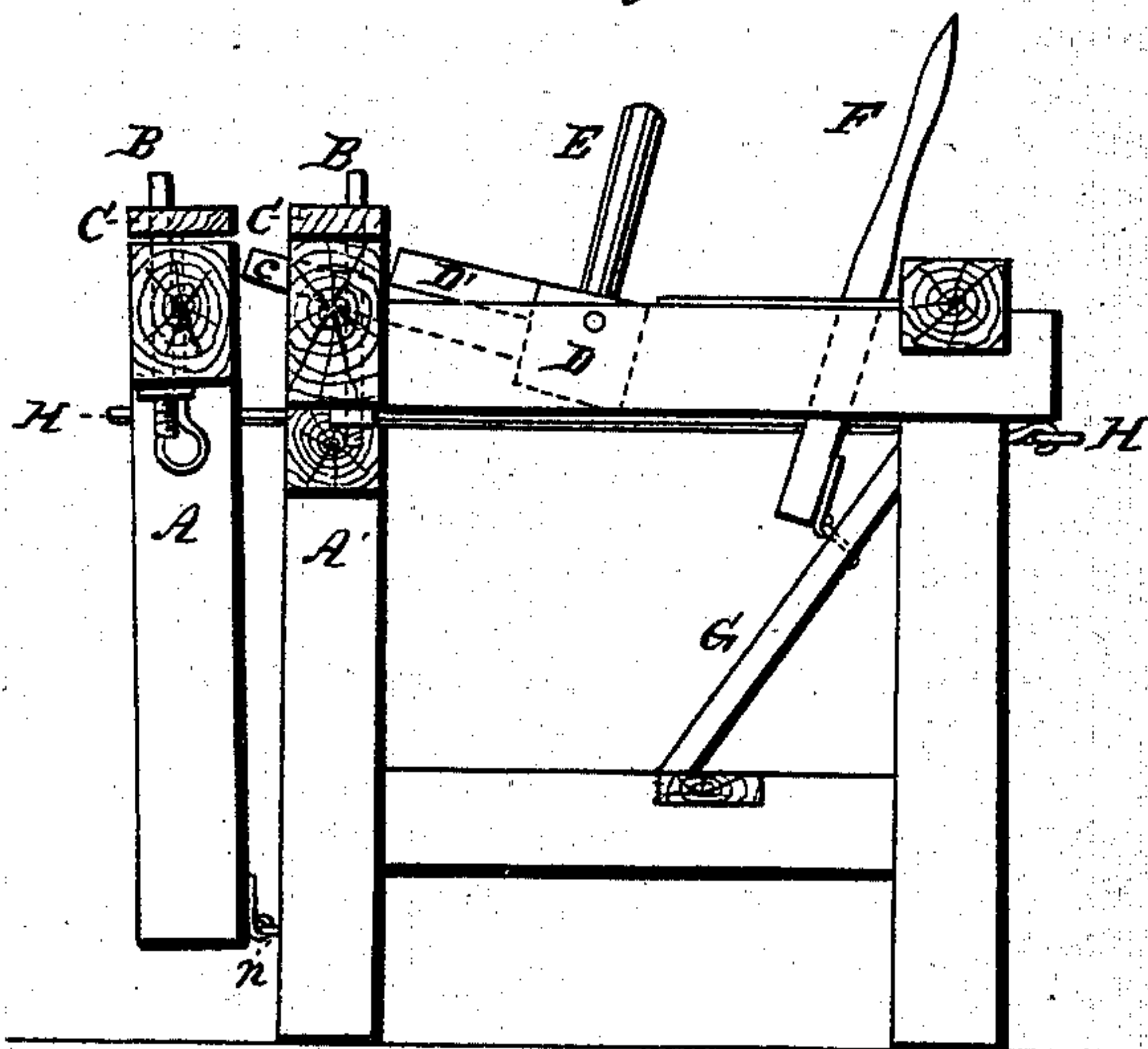


Fig. 3.



Witnesses.

Inventor.

C. E. Sharp.
Clint H. Sharp.

James C. Moore.

UNITED STATES PATENT OFFICE.

JAMES C. MOORE, OF CURDSVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF
HIS RIGHT TO JOHN E. LUCKETT, OF SAME PLACE.

IMPROVEMENT IN STAVE-JOINTERS.

Specification forming part of Letters Patent No. **146,838**, dated January 27, 1874; application filed
April 18, 1873.

To all whom it may concern:

Be it known that I, JAMES C. MOORE, of Curdsville, in the county of Daviess and in the State of Kentucky, have invented certain new and useful Improvements in Stave-Jointer; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The object of my invention is to furnish in stave-jointing machines a simple and reliable method of retaining the stave in proper position with relation to the knife or cutting-tool, whereby the joint may be readily cut into the proper shape; and it consists in the construction and arrangement of the several parts of the machine, as more fully hereinafter set forth.

Referring to the drawings hereto annexed, in which similar letters indicate corresponding parts in the different figures, Figure 1 is a front view of the machine. Fig. 2 is a plan view, showing the arrangement of the stave-clamp and the devices for operating it. Fig. 3 is an end view of the machine, and Figs. 4 and 5 are top and bottom views of the cutting-tool.

A represents the outer or adjustable jaw of the stave-clamp, hinged at *n* to the stationary jaw A'. B B are adjustable iron guides, resting upon the flexible guide-supports C C, and provided with downward-projecting arms, passing through the jaws A A', and terminating in nuts and screws *b b*, which operate in connection with the set-screws *a a a*, for the purpose of adjusting the guide to any desired elevation or convexity of surface, thereby allowing the requisite bevel and bilge to be made in the stave. D represents a cross-beam, carrying the table D', and also stops *c c*, which pass through the jaw A', and are inserted into the

jaw A. By means of a rotary movement imparted to the handle E, fastened into the beam D, the stave may be gaged to any required thickness. The movable jaw A is operated by means of the handle F, acting through the lever G and rod H. Upon drawing the handle forward, the clamp is opened for the reception of the stave, which, resting on the stops *c c*, is then, by a backward movement of the handle, grasped firmly between the jaws, the latter being afterward held in position by a projection or catch on the handle F pressing into the ratchet *d*. The stave being now securely supported in the clamp, the requisite bilge and bevel may be given to its edge with the knife or cutting-tool. This knife is so constructed that the cutting part, which works in the space between the guides, may be removed when worn, and another substituted therefor. Its under surface is also provided with a notch or groove on each side of the blade, so that it may be fitted upon and slide easily along the guides, by which means it is always retained in proper position.

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

1. The adjustable guides B B and supporting-pieces C C, with their adjusting-screws, in combination with the adjustable jaw A and stationary jaw A', as and for the purpose set forth.

2. The adjustable jaw A, in combination with the rod H, lever G, and adjusting-handle F, with its holding-ratchet *d*, as and for the purpose specified.

JAMES C. MOORE.

Witnesses:

CLINT. K. THARP,
JNO. G. MCFARLAND.