

W. F. OTIS.

Improvement in Clamps.

No. 132,538.

Patented Oct. 29, 1872.

Fig. 1.

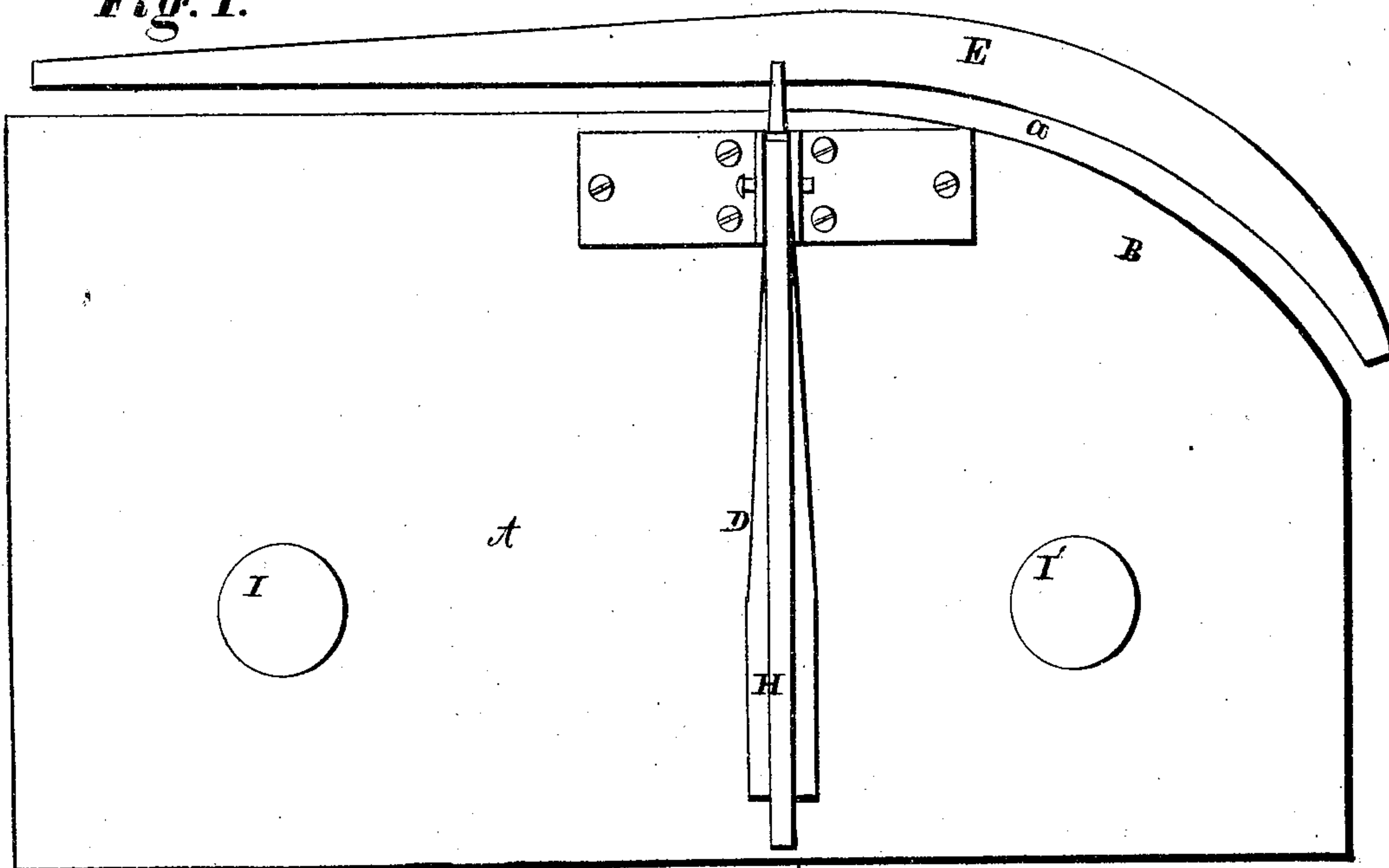


Fig. 2.

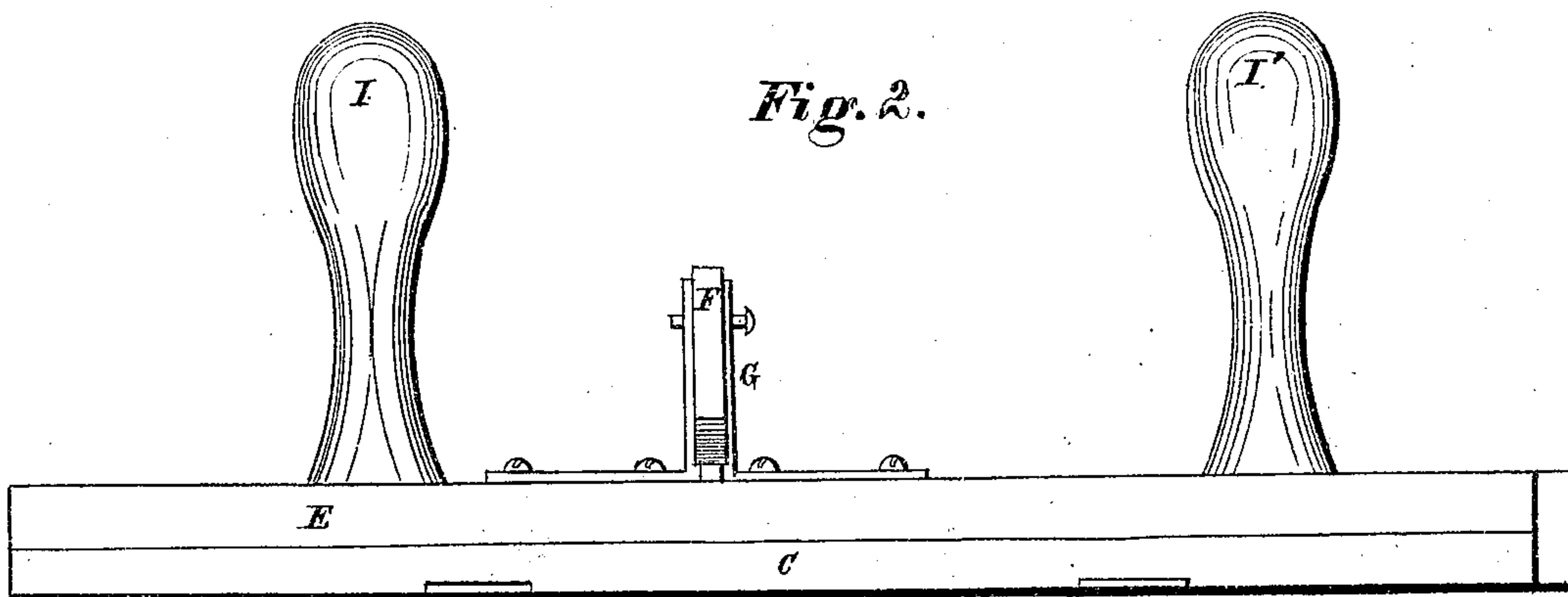
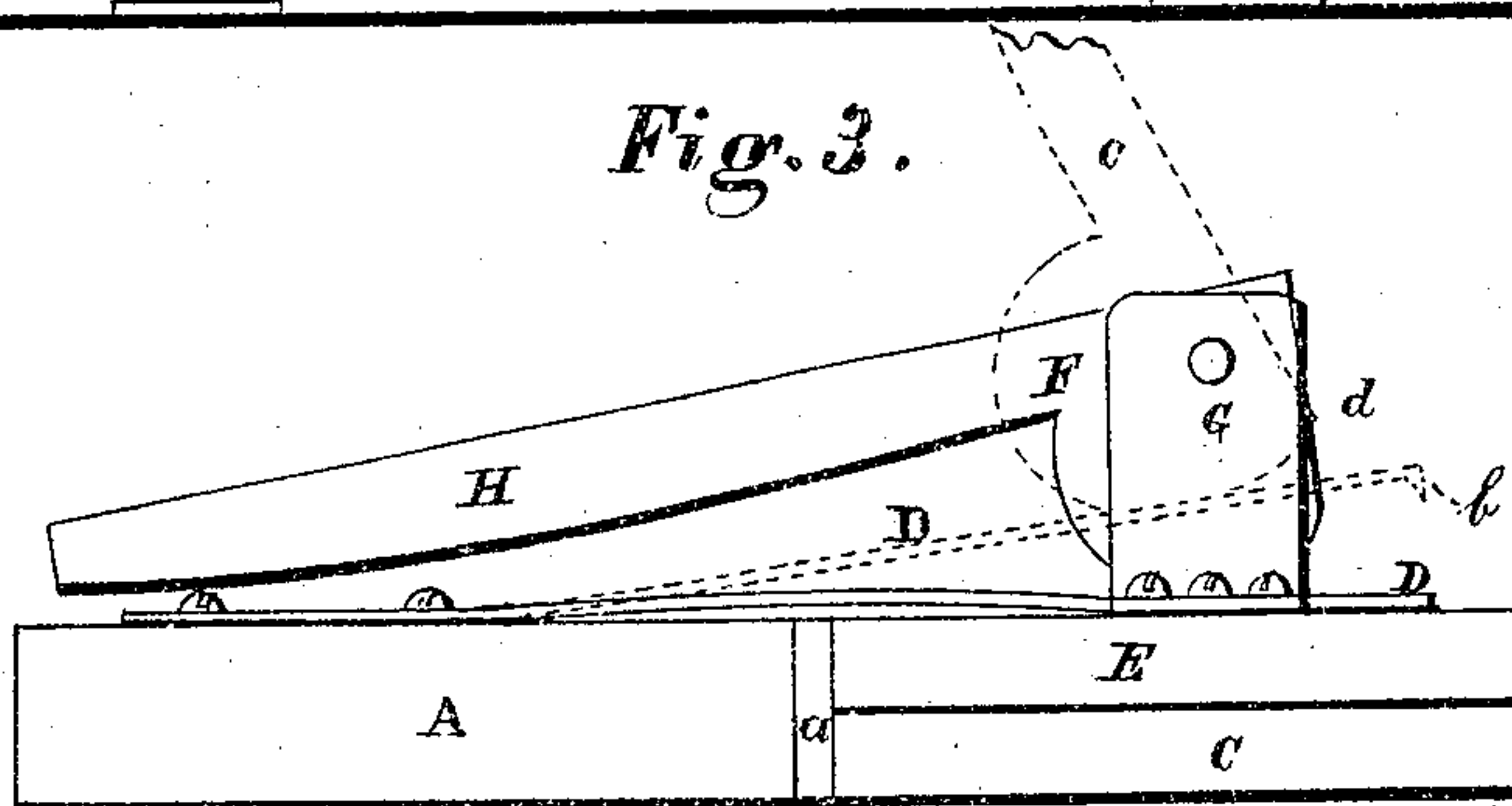


Fig. 3.



Witnesses.
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IMPROVEMENT IN CLAMPS.

Specification forming part of Letters Patent No: **132,538**, dated October 29, 1872.

To all whom it may concern:

Be it known that I, WILLIAM F. OTIS, of New London, in the county of Huron and State of Ohio, have invented a certain new and Improved Device for Holding Hames while being Dressed; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawing making part of the same.

Figure 1 is a top view of the hame-holder; Fig. 2 is a point edge view; Fig. 3 is an end view.

Like letters of reference refer to like parts in the several views.

The object of this invention is to hold a wooden hame in close contact with a metal or wood hame-pattern so that said wooden hame can be firmly and conveniently held in position to certain cutters for being dressed and finished to the pattern of said hame-holder.

The following is a full and complete description: In Fig. 1, A represents a board having the corner B rounded to the shape of the inside curve of the hame. To the curving edge of the board is attached a metal hame-pattern, C, Fig. 2, and in such relation to the edge that there is a narrow space, *a*, between the pattern and the board, as shown in Fig. 1. D is a spring, one end of which is fastened to the face of the board, whereas the other end projects beyond the edge so far as to reach and lap over upon the rough wooden hame E laid thereon, and by which spring it is dogged down to the pattern; a sharp point, *b*, at the end of the spring enters the wood for that purpose. Also, projecting upward from the face of the pattern, are points which enter the wooden hame thereon, and hold it from slipping away from the pattern. The spring is held down upon the rough hame by means of a cam, F, pivoted in the cheeks of the stay G, and which is operated by a handle, H. The cam, when pressing down upon the spring, is in the position shown in Fig. 3. The undressed hame, when thus secured to the pattern, as

above described and shown in the drawing, is now applied to the cutters for being dressed, by the operator holding the board by the handles I I', and thereby pushing and guiding it toward the cutting apparatus, which rounds off the edges of the hame and finishes it to the proper condition for further use. The hame, when finished, is removed from the pattern by lifting the handle of the cam to the position indicated by the dotted line *c*, which will allow the spring to ascend, as indicated by the dotted line *d*, so that the hame can be removed for the admission of another.

By the use of this device much labor and inconvenience is saved over the old way of applying the hame to the dressing cutters, which was by holding it in the hands, a labor not only difficult to perform, but the dressing was not so true and smoothly done as it can be done by clamping it in the above-described holder.

The hame-holder above described is intended for one member only of the hames—for the left-hand one—hence, in order to hold the hame corresponding to it, a board is so shaped that the pattern-hame can be secured on the opposite side from that shown in the drawing, which, as a consequence, will require that the spring clamp or dog be arranged in the opposite side, there being no difference in the construction and operation of the two holders than that they are right and left handed.

Claim.

The herein-described hame-holder, consisting of the board A, having attached thereto the metal or wooden pattern C, spring clamp or dog D, and cam F operated by the handle H, all constructed and arranged to operate in the manner as described, and for the purpose set forth.

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Witnesses:

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