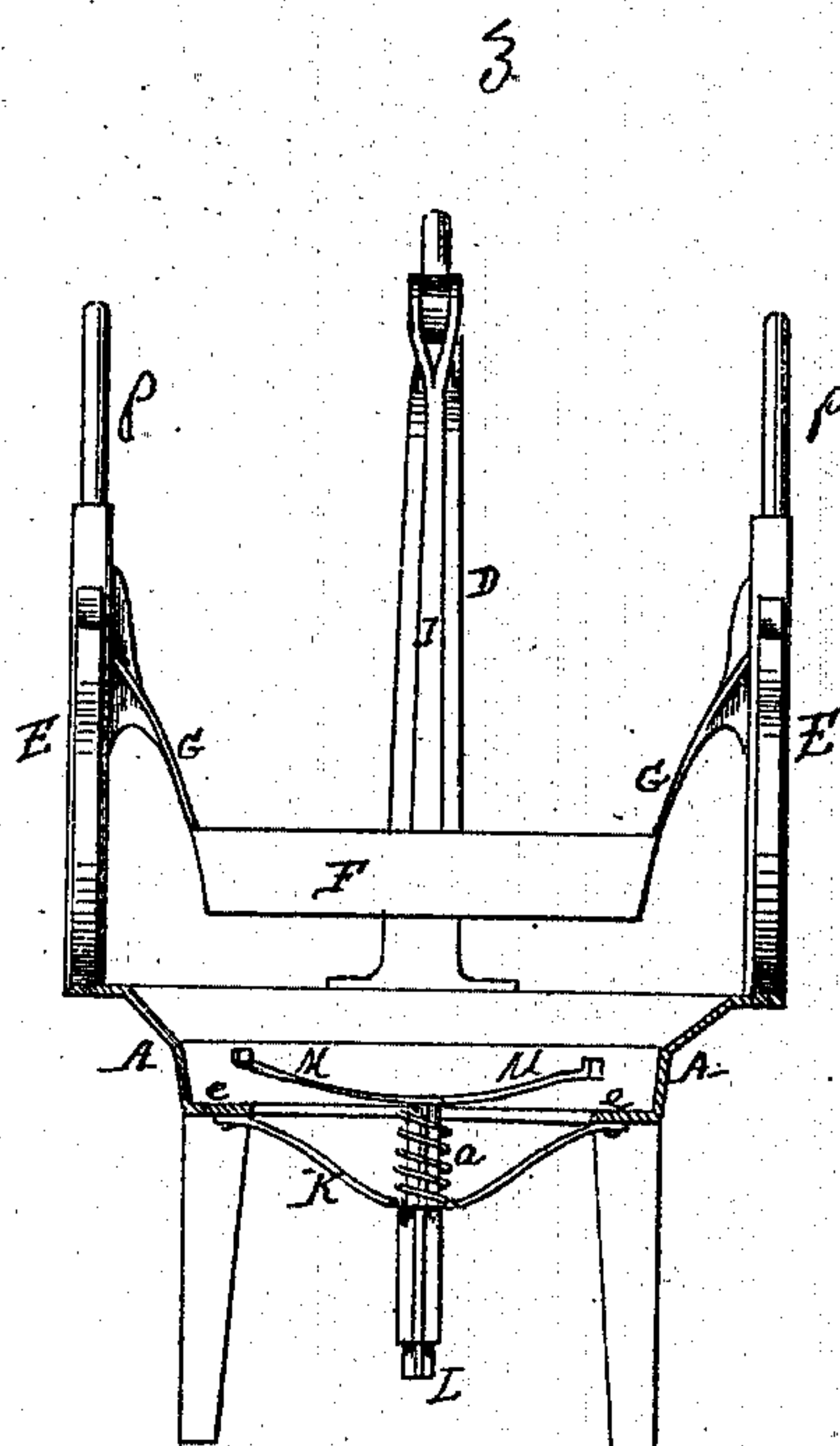
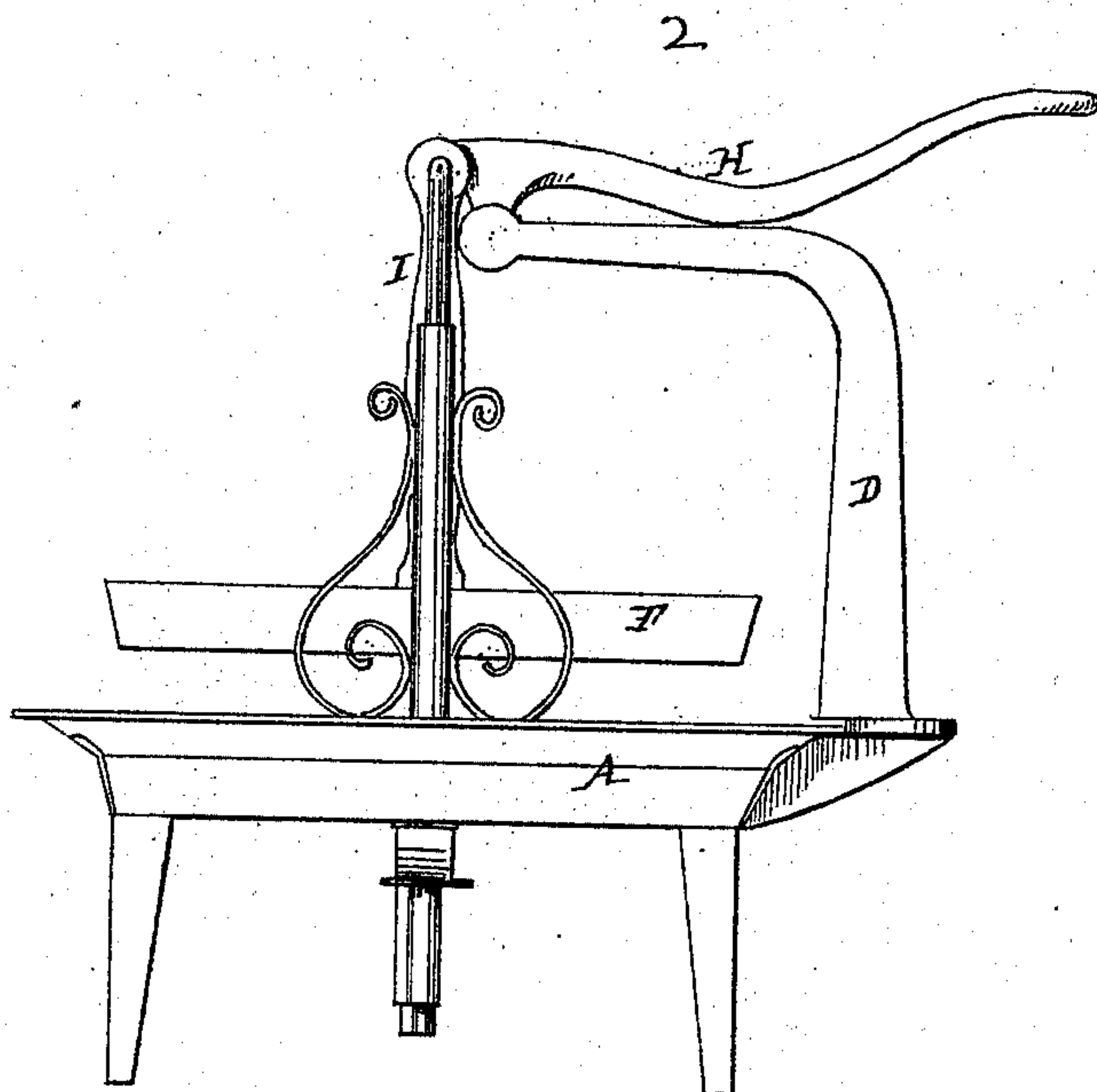
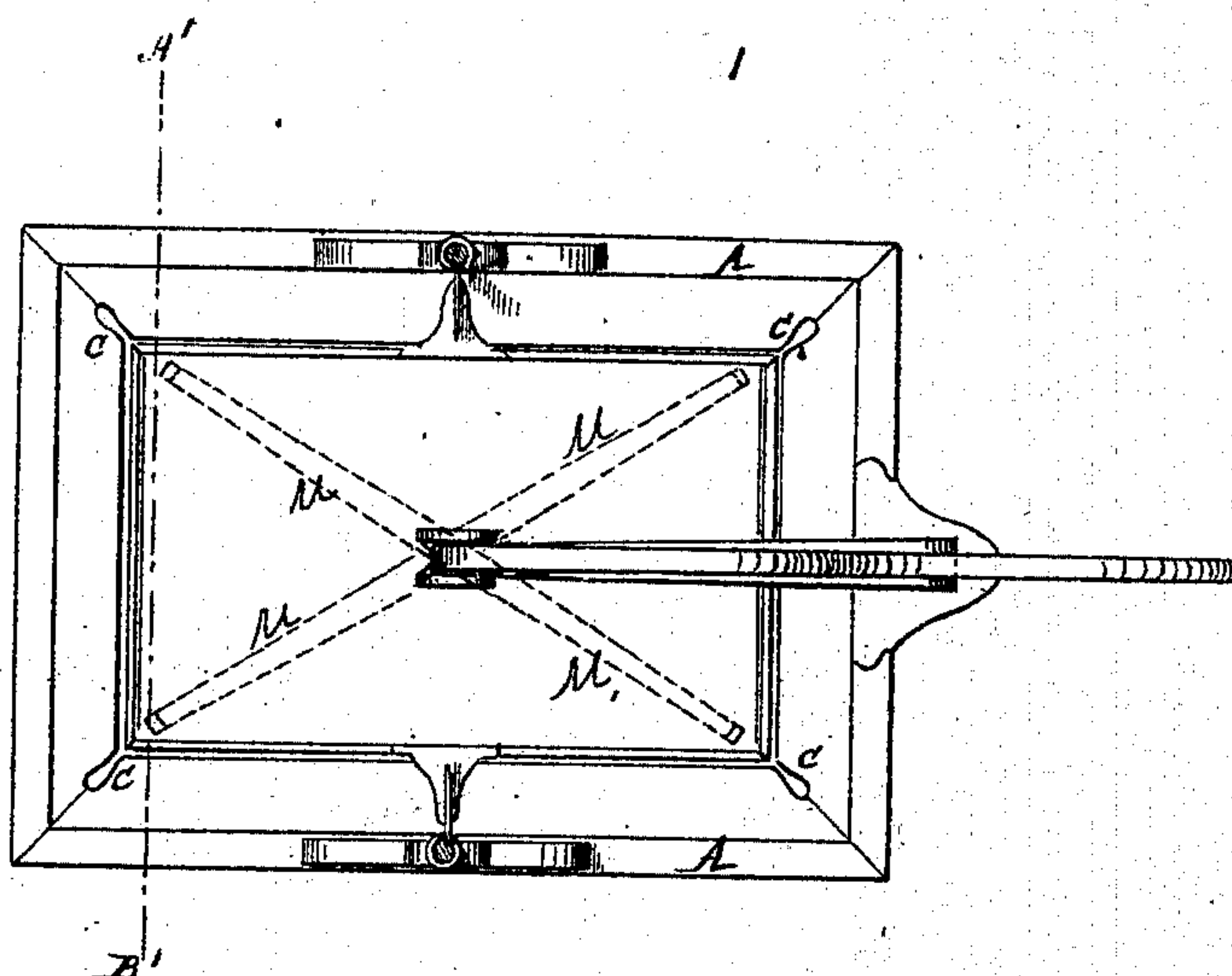


W. H. DAVIS & R. H. WAGOR.  
SHEET METAL PAN FORMER.

No. 68,962.

Patented Sept. 17, 1867.



Section thro' A.B.

Witnesses.

A. A. Mann

W. S. Crockett

Inventor

W. H. Davis

R. H. Wagon

# United States Patent Office.

W. H. DAVIS AND R. H. WAGOR, OF DOWAGIAC, MICHIGAN.

*Letters Patent No. 68,962, dated September 17, 1867.*

## IMPROVEMENT IN SHEET-METAL PAN FORMER.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, W. H. DAVIS and R. H. WAGOR, of Dowagiac, in the county of Cass, and in the State of Michigan, have invented certain new and useful "Devices for Making Square Tin Pans;" 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.

In the annexed drawings, making part of this specification, A represents a table, which is supported upon suitable legs, and which has a rectangular opening cut through its bottom. The top of this table is made in box form, with its ends and sides flaring or bevelled, as seen in Figure 3. *e e* represents the bottom or bed-plate of this table. Erected upon one end of this table is a standard, D, which, after passing up vertically a little distance, curves, so that its upper end stands over the centre of the table. E E represent standards, which are erected upon the sides of the table, and which are grooved on their inner faces or sides. F represents a die, which is made in shape to correspond with the top of the table and the pan to be made. This die is provided on its sides with the arms G G, the upper ends of which connect with rods P P, which said rods fit and slide in the grooves of the standards E E. I represents a bar, which is pivoted at its lower end between two ears on the centre and upper side of the die F. The upper end of this bar is pivoted to the end of a lever, H, which said lever H is pivoted to the upper end of the upright or standard D. By elevating the outer end of the lever H the die F is thrown down, and by depressing it the die is elevated. Beneath the table, and lying crosswise of it and secured to it, is a bar, K, which has a socket depending from its under side at its centre. In this socket is placed a rod, L, which has surrounding it a coiled wire spring, *a*. Upon the upper end of this rod are four arms, M M, the outer ends of which turn upwards. These arms play up and down through the rectangular opening in the bottom of the table, and serve to raise the pan off of the table bed-plate after it has been formed. Slots or openings C C are cut or formed in the four corners of the table, as seen in Figure 1.

The sheet or plate of metal of which the pan is to be formed is placed upon the table under the die F. The die is forced down by means of the lever H, and the sheet or plate is forced into the box top of the table until the bottom of said plate rests upon the bed *e e*. The flaring or bevelled sides of the box give form to the sides of the pan, and the corners of the pan are allowed to enter the slots C C in the corners of the box. When the pan has been formed, by pressing down the die, said die is raised, and the arms M M being thrown up by the spring *a* lift the pan off of the bed-plate *e*, and it can be removed from the machine to make room for another.

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

1. The lever H, brace D, shaft I, former F, and guide-rods P P, in combination with the box A, as described, and for the purposes set forth.
2. The arms M M, rod L, and spring *a*, in combination with the box A, as described, and for the purposes specified.

In testimony that we claim the foregoing we have hereunto set our hands this sixteenth day of February, 1867.

W. H. DAVIS,  
R. H. WAGOR.

Witnesses:

J. MONROE McNAIR,  
N. B. HOLLISTER.