

M. H. HARMAN.  
Stove-Pipe Shelf.

No. 161,878.

Patented April 13, 1875.

Fig. 1.

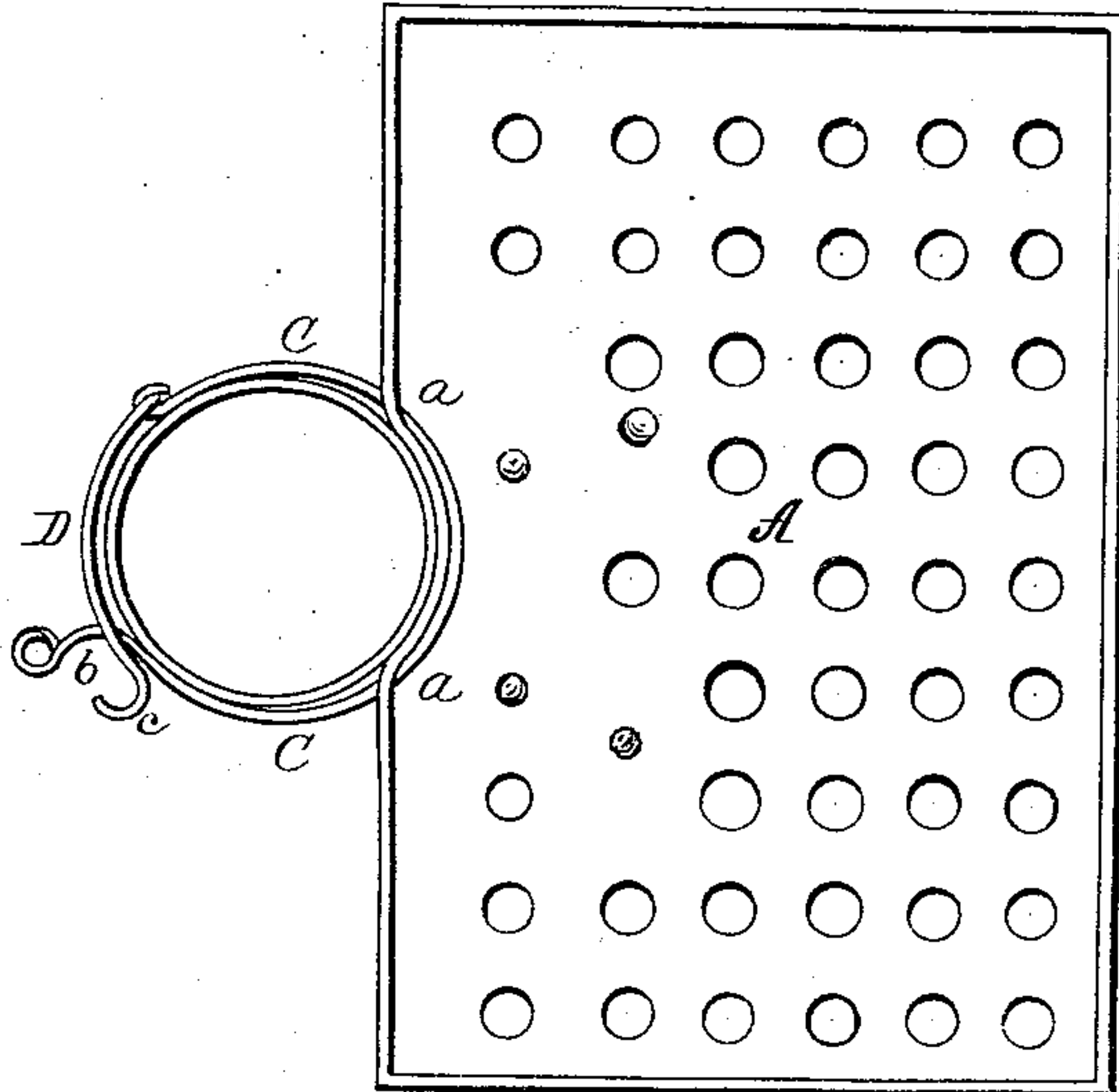


Fig. 2.

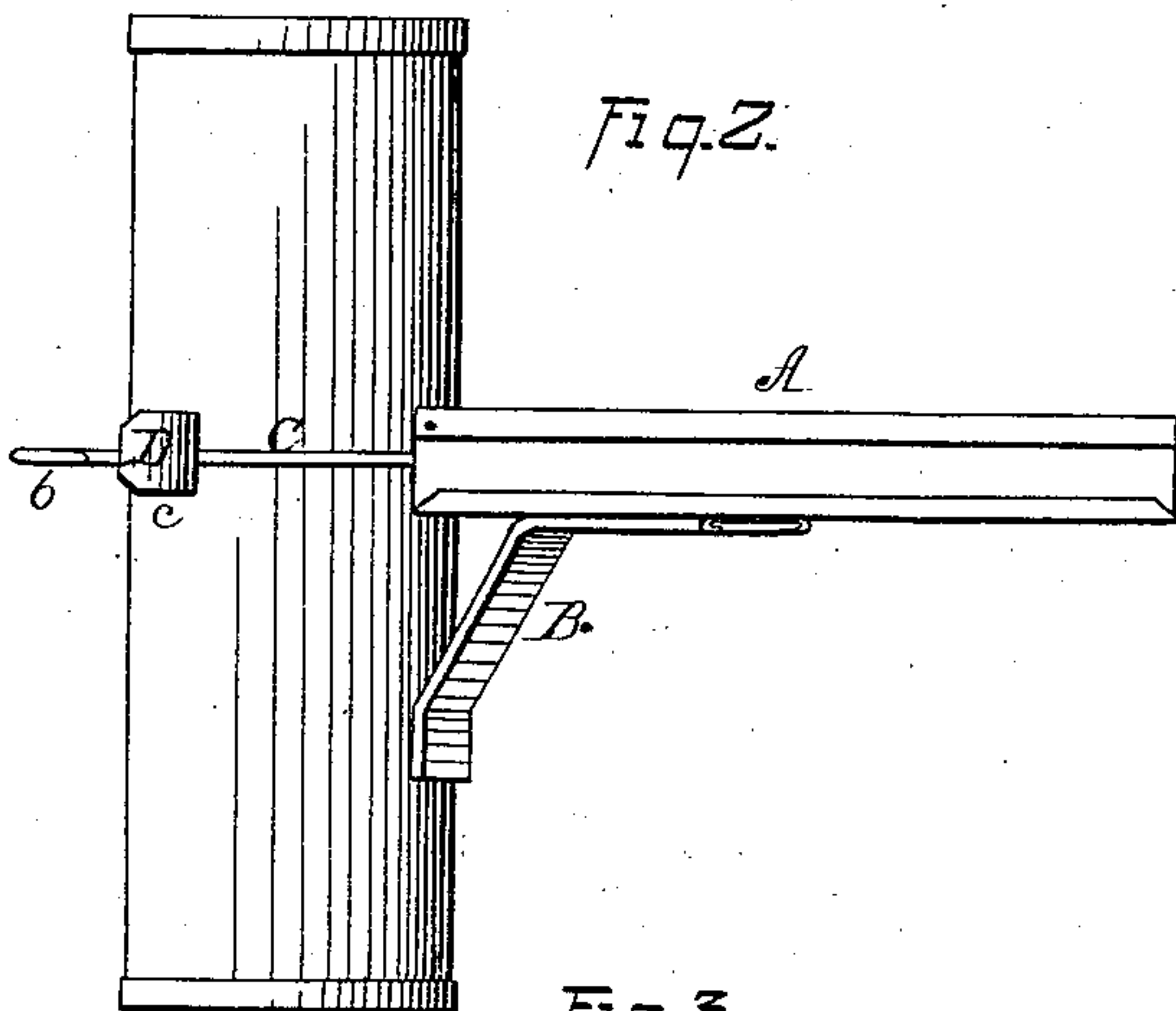
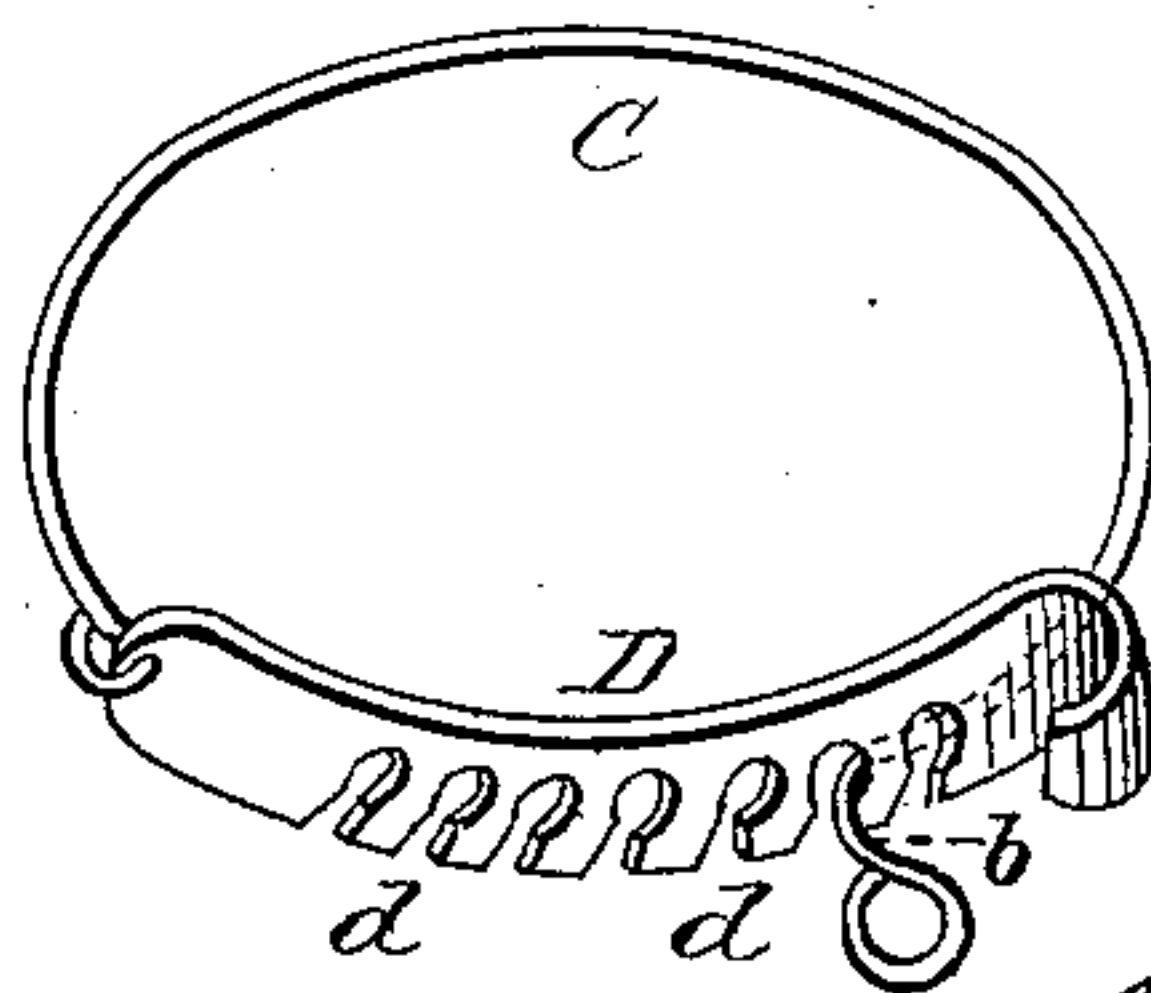


Fig. 3.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

MILES H. HARMAN, OF ANDOVER, NEW YORK.

## IMPROVEMENT IN STOVE-PIPE SHELVES.

Specification forming part of Letters Patent No. **161,878**, dated April 13, 1875; application filed January 20, 1875.

*To all whom it may concern:*

Be it known that I, MILES H. HARMAN, of Andover, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Stove-Pipe Shelf, of which the following is a specification:

This invention relates to improvements in that class of brackets or shelves which are clasped to a stove-pipe for supporting dishes or other articles in proximity to the fire in the stove, whereby said dishes may be retained in a warm condition.

My invention has for its object to furnish a clasp which encircles the stove-pipe, and which is designed to support the shelf or bracket; the said clasp being capable of nice adjustment, in order to apply it with ease and convenience to any sized stove-pipe; and to this end my invention consists of a clasp consisting of a spring-wire, having at one end a hinged or pivoted segmental strip of metal, provided with a series of open notches, and a small handle or knob, and at its opposite end being bent outwardly, so as to form a projection or handle, with which the open notches in the hinged metallic strip can be made to engage in such manner that the clasp can be applied with ease and rapidity to any usually-constructed stove-pipe. The bracket or shelf for supporting the dishes is constructed with openings in its vertical rim, adjacent to the stove-pipe, through which openings the spring wire of the clasp is passed in order to support the said shelf, as will be hereinafter described.

In the drawings, Figure 1 represents a top view of the improved bracket, attached to a pipe. Fig. 2 is an elevation of the same; and Fig. 3, a detached view of the spring-clasp and fastening.

The letter A represents the tray or plate, perforated as shown, to prevent the collection of water and other liquids in the same. Said tray is provided with a vertical rim around its edges for more conveniently holding the dishes and other articles, and has secured to its under side the standards B B, set at an angle to each other, and projecting downward toward the side of the tray, adjacent to the stove-pipe, so as to rest against the stove-

pipe and support the tray in a horizontal position. The edge of the tray adjacent to the stove-pipe is curved or cut out to conform to the cylindrical shape of the pipe, and the vertical rim on the same side of the tray is provided with two apertures, *a a*, through which a spring-clasp, C, is inserted and secured, the arms of which project outward, so as to embrace the pipe. To one end of the spring-clasp is secured a segmental strip of metal, D, provided at one end with a small handle or knob, *e*, and on its under side with a series of open notches, *d d*, preferably formed by boring or drilling a series of apertures close to its edge, and cutting away between the edge and said apertures, as shown in Fig. 3. The opposite end of the clasp is provided with a suitable handle, preferably formed by bending said end into a ring, as shown at *b*.

The tray is usually constructed of sheet-metal, such as tinued sheet-iron, for instance, and the rim around its edges turned up and formed in the manner well known to tanners and other workers in sheet metal, and the standards formed of the same material, corrugated in the usual manner to strengthen them, and secured to the tray by means of rivets or otherwise. It is evident, however, that the tray and standards can be otherwise constructed, as, for instance, of cast-iron, in which case the whole may be formed of one piece.

The clasp consists of a collar, formed of spring-wire, or a ribbon of steel, or other metal sufficiently elastic to give the required "spring" to the clasp. The bracket, as thus constructed, forms a cheap and simple device, which can be easily made and readily applied to a pipe of any size, and adjusted in any position thereon. The spring-clasp, being formed simply of a collar of elastic metal, and attached by merely passing it through the apertures in the rim of the tray, can be very cheaply constructed, and secured to the tray without expense, as no rivets, screws, or other expensive means of attachment are required.

The arms, being constructed of elastic material, can be readily sprung apart to be placed around the pipe, and, when in position, clasp



it closely, and may be securely fastened around the same at any desired point by simply placing one of the hooks of the segmental fastener over one end of the clasp, thus dispensing with the hinges which would be required if the clasp were otherwise constructed, which would add materially to the cost of the bracket.

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

The clasp C, constructed of a piece of spring-metal, having at one end a handle, *b*, and at

its opposite end a hinged metallic strip, D, constructed with a series of open notches, *d*, and a handle, *e*, in combination with a shelf or tray, having a rim provided with openings *a* for the passage of the clasp in order to secure the tray to a stove-pipe, as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

MILES H. HARMAN. [L. S.]

Witnesses:

A. C. FRISBEY,

B. C. COLE,