

(No Model.)

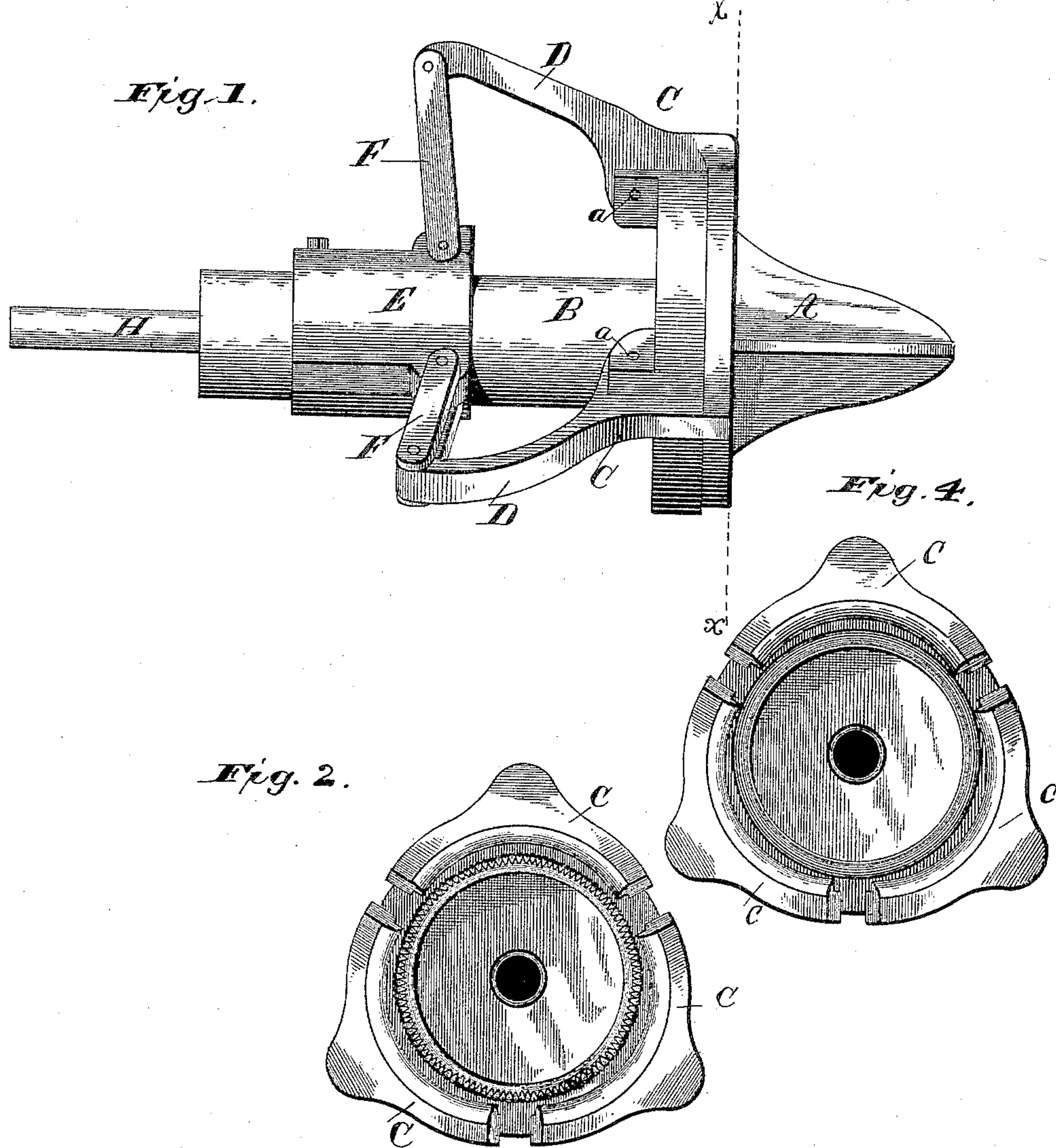
2 Sheets—Sheet 1.

J. McMURTRY.

DEVICE FOR ORNAMENTING THE TOPS OF LAMP CHIMNEYS, &c.

No. 440,494.

Patented Nov. 11, 1890.



WITNESSES

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Fig. 3.

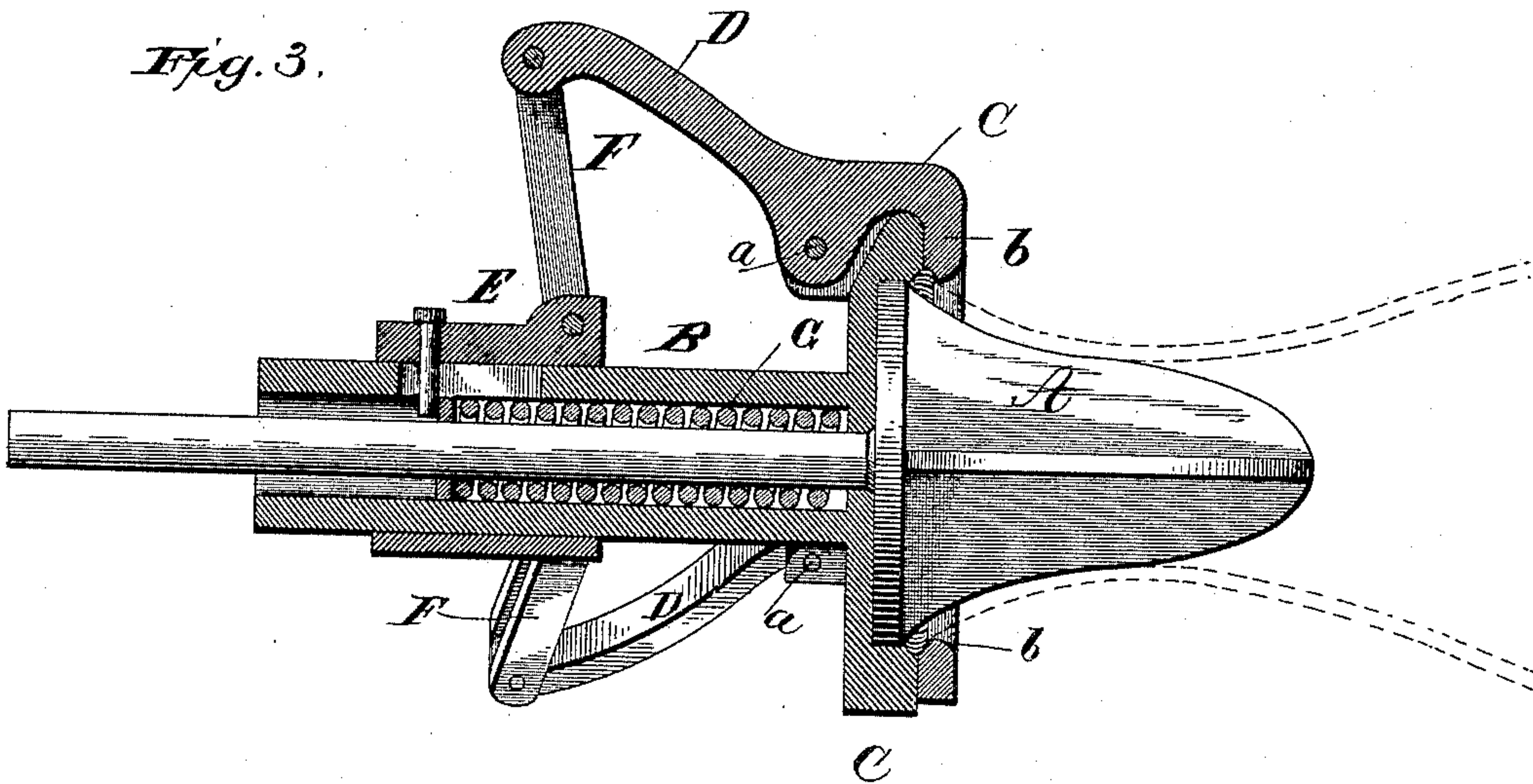
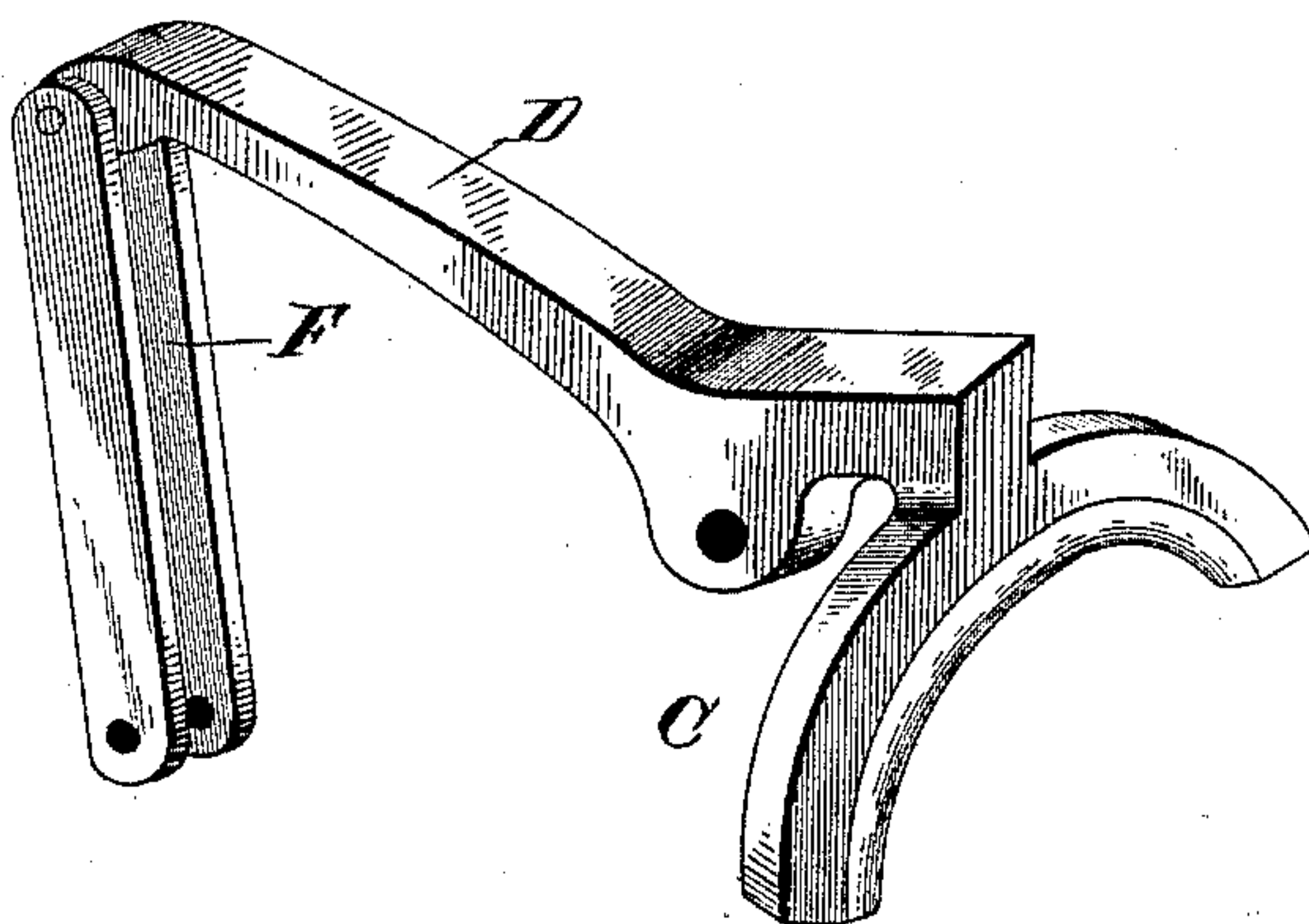


Fig. 5.



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JOSEPH McMURTRY, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO THE
PEERLESS LEAD GLASS WORKS, OF SAME PLACE.

DEVICE FOR ORNAMENTING THE TOPS OF LAMP-CHIMNEYS, &c.

SPECIFICATION forming part of Letters Patent No. 440,494, dated November 11, 1890.

Application filed March 10, 1890. Serial No. 343,309. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH McMURTRY, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Devices for Ornamenting the Tops of Lamp-Chimneys; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to new and useful improvements in devices or tools for beading the tops of lamp-chimneys.

The object of my invention is to provide a tool which will flare the tops of chimneys and place thereon a band of beads, said beads extending from the top of the band around and underneath the same.

Referring to the drawings, Figure 1 is a side view of my device. Fig. 2 is an end view taken on the line xx of Fig. 1. Fig. 3 is a longitudinal sectional view of the same, showing in dotted lines the top of the lamp-chimney as inserted in the machine. Fig. 4 is an end view taken on the line xx of Fig. 1, showing the mold portion plain instead of figured, as shown in Fig. 2. Fig. 5 is a view in perspective of one of the jaws detached from the machine.

A indicates the flaring-tool, which is rotated from any suitable source of power, said flaring-tool being mounted and adapted to be revolved in the sleeve or head B. The flaring-tool is composed of a cone-shaped casting in cross-section, with four or more ribs projecting from the cone, and is of the ordinary construction.

On the head or sleeve B is mounted a series of jaws C, said jaws being pivoted to the head or sleeve B at a . The jaws C are provided with extensions D, which project backward, and are connected to the sleeve E, adapted to work back and forth on the head or sleeve B by means of the links F, so that when the sleeve E is drawn back the jaws C will be expanded to allow the article to be withdrawn from the device. The forward ends of the jaws C are provided with inwardly-

projecting flanges b , which fit over the inner portion of the head B, the inner edges of the flanges b being provided with notches or serrations which give to the upper end of the article a series of beads which extend from the top around to the bottom of the head.

The jaws C are held in a closed position by the coiled spring G, which is located inside of the shank of the sleeve B, so that the jaws can only be opened by drawing back the sleeve E.

The operation of my device is as follows: The tool being in position in a suitable frame, and the flaring-tool being revolved by its shaft H in any suitable manner, the chimney-blank is heated and pressed over the flaring-tool until the upper end of the chimney has been flared and forced out against the corrugated inner surfaces of the jaws C, which forms a beaded band around the top of the chimney. After the beaded band has been formed the sleeve E is drawn back, which opens the jaws C and allows the operator to withdraw the article from the device.

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

1. In a device for forming an ornamental design on the tops of lamp-chimneys or other articles, a flaring-tool, a fixed head having a portion of the ornamental design formed therein, with the series of normally-closed jaws having the other portion of the ornamental design formed therein, and mechanism for opening said jaws to release the article, substantially as described.

2. In a device for forming an ornamental design on the tops of lamp-chimneys or other articles, a fixed head, and a series of normally-closed movable jaws having each a portion of the ornamental design formed therein and forming when in operating position the complete solid design, and a slide connected to the movable jaws to open the same, substantially as set forth.

3. In a device for forming an ornamental design on the tops of lamp-chimneys or other articles, a fixed head, and a series of normally-closed movable jaws with their inner faces to abut against the head and an annular groove

formed between their abutting faces, and mechanism for opening the jaws, substantially as described, for permitting the removal of the article after being pressed and formed, 5 as set forth.

4. In a device for forming an ornamental design on the tops of chimneys and other articles, a fixed head having a portion of the ornamental design formed therein, with a series of normally-spring-closed jaws having the 10 other portion of the design formed therein, a

collar mounted on a sleeve of the fixed head, and devices for connecting the sleeve and jaws to overcome the tension of the spring and open the jaws, substantially as set forth. 15

In testimony whereof I affix my signature in the presence of two subscribing witnesses.

JOSEPH McMURTRY.

Witnesses:

WM. HENNING,
JNO. PATTERSON.