

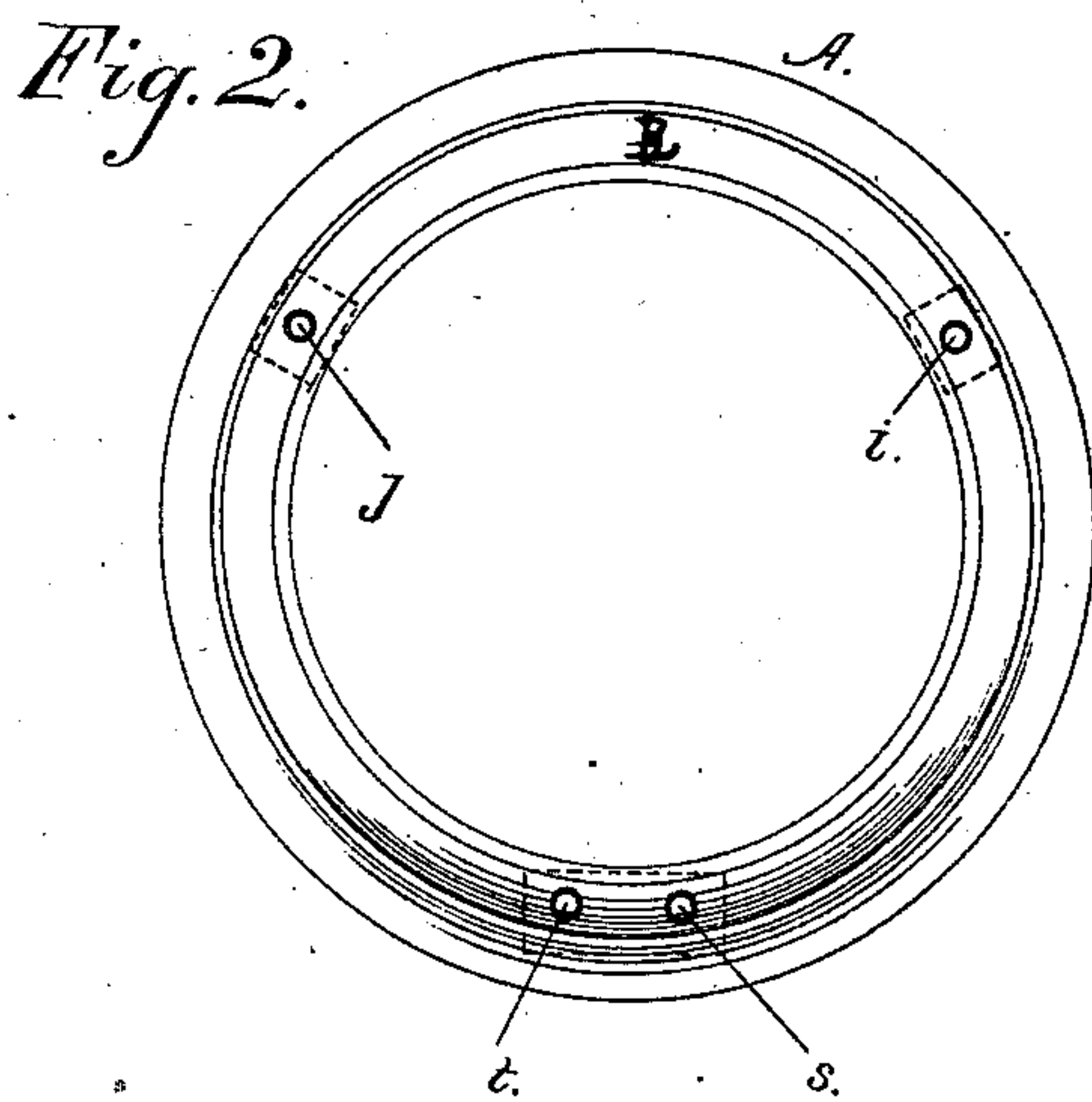
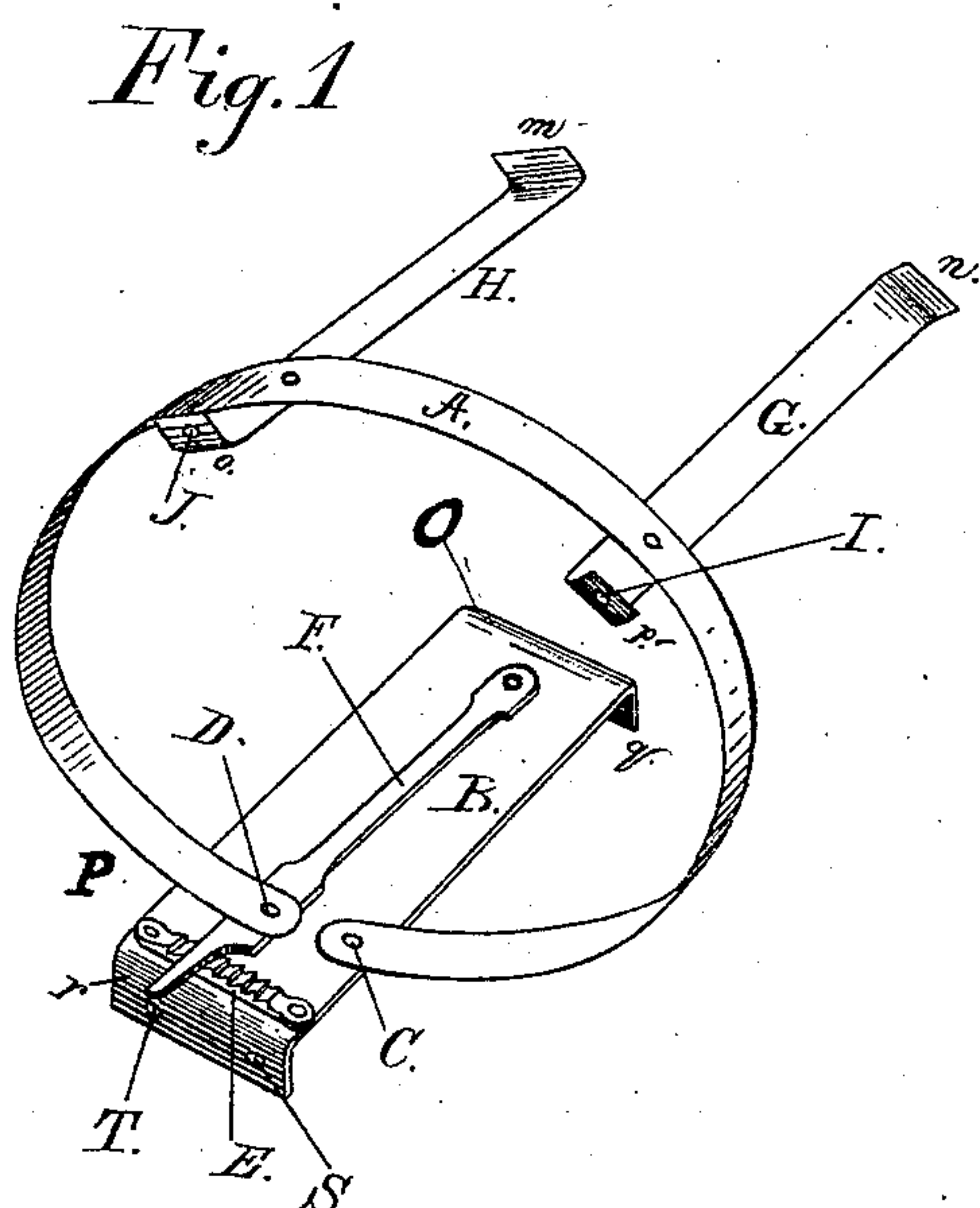
(No Model.)

2 Sheets—Sheet 1.

B. D. CAMPBELL.
STOVE PIPE FASTENER.

No. 275,586.

Patented Apr. 10, 1883.



Witnesses.
John L. Yaryan
Harrison Cyborn

Inventor.
Bryant D. Campbell

(No Model.)

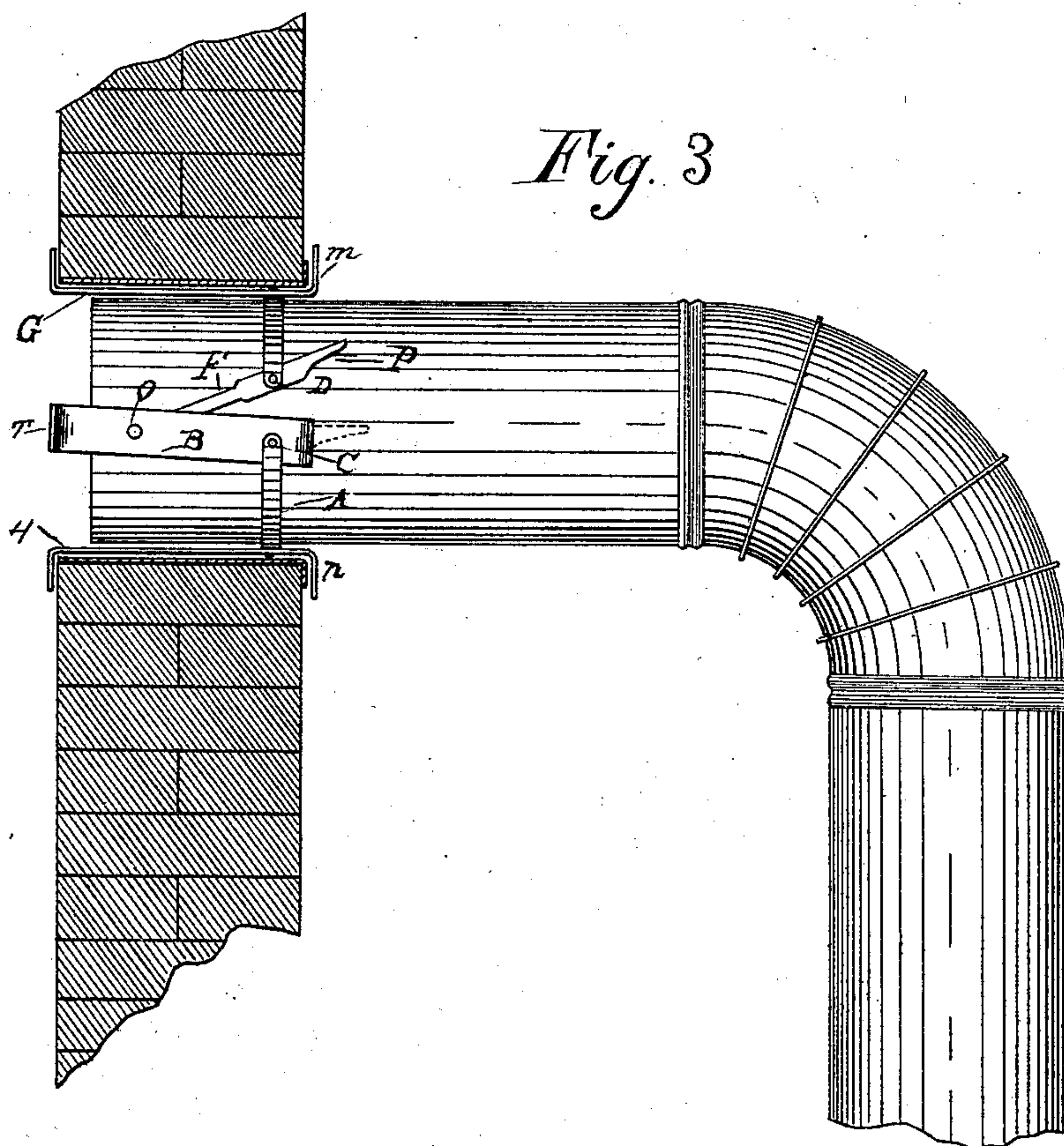
2 Sheets—Sheet 2

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Witnesses,
Elisha J. Mote,
Lee Goryan

Inventor.
Bryant D. Campbell

UNITED STATES PATENT OFFICE.

BRYANT D. CAMPBELL, OF RICHMOND, INDIANA, ASSIGNOR TO THE PAT-
ENT FLUE THIMBLE COMPANY, OF SAME PLACE.

STOVE-PIPE FASTENER.

SPECIFICATION forming part of Letters Patent No. 275,586, dated April 10, 1883.

Application filed January 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, BRYANT D. CAMPBELL, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Stove-Pipe Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in devices for securing stove-pipes in flues, and for combining therewith and attaching thereto a stove-pipe collar; and the invention consists in novel features of construction, combination, and arrangement of parts, all as will be hereinafter fully described, and set forth in the claims hereunto annexed.

Referring to the accompanying drawings, Figure 1 is a perspective view of my invention, showing my improvement ready to be inserted and applied to the flue. Fig. 2 is a side elevation of the flue-collar, showing in dotted lines where the collar and stove-pipe fastener are to be attached together. Fig. 3 is a vertical section through a chimney-flue, with my improvements as applied to the stove-pipe for securing it in the flue.

In the drawings, A represents a metallic strap, wire, chain, or other suitable device, having one end secured to plate B at C, and which strap extends around the interior, its free end attached to lever F. The lever F is fulcrumed at its inner end to strap B, on the inside, at O, while the other end of the lever projects a short distance outside of the collar and bent end of strap B, by which it may be operated. This lever is provided with a pawl, P, adapted to engage the teeth E of the ratchet-plate secured to the inner side of strap B, or made by turning up of the edge of a part of strap B, or otherwise making or attaching a ratchet. Thereby, where said lever is operated for adjusting the metallic strap A, it may be secured in any position desired, all as clearly shown in Figs. 1 and 2, and thus securely fasten the pipe to the open frame of straps H, G, and B. These straps extend from beyond

the inner wall of the flue to the outer wall thereof, and are bent at right angles at the end next to the strap A, as shown at *o p r*, and are also provided with holes J I T, to permit of the insertion of rivets to secure the collar R thereto for holding it in position. The inner ends of the straps B G H extend into the chimney, beyond the inner edge of the wall, to permit of each of them being bent outward, as shown at *m n q*, Fig. 1, to hold them firmly in the flue. When a collar is used it is attached to the straps H B G at the outer bent ends, as shown in Fig. 1, *o p r*, thus forming a complete collar and pipe fastener that is neat, compact, cheap, and efficient.

It will be readily observed from the foregoing that the skeleton frame can readily be secured in the flue, the collar secured to the thimble, and the stove-pipe secured in place by contracting strap A and bringing a tension thereon, and held in any desired position by the lever, pawl, and ratchet. (Shown in Fig. 1.)

I am aware of the patent of George Eckel, of Richmond, Indiana, for attachment for securing stove-pipes in flue-thimbles, No. 268,646, dated December 5, 1882, and that a thimble, strap, pawl, and ratchet are used therein. I therefore make no claim, broadly, to such devices.

I am aware that a flue-hook having a bent shank, used in connection with a fastening band and collar for securing stove-pipes in flues, is old, and such I do not wish to be understood as claiming, broadly, as of my invention. In the patent of George Eckel before referred to, the metallic band only forms the means for securing the stove-pipe in the flue by contracting or expanding the band, while in the latter case above referred to the flue-hook secures the stove-pipe in the flue, with a securing-band encircling it outside of the flue. In my invention a series of flue-hooks are connected to the adjustable band shown in Eckel's patent, which also assist said band in securing the pipe in the flue, and are adjusted with the band, and thereby form longitudinal bearings in connection with the circular bearing of the band as it is contracted or expanded, which bearing-surfaces of flue-hooks and band are all inside of the flue, and to the outer end of which flue-hooks the collar is connected.

What I do claim as new and useful, and desire to secure by Letters Patent, is—

1. The skeleton or open frame composed of the flue-hooked straps H G B, in combination
5 with the contracting and expanding strap A, connecting them together inside of the usual flue pipe collar, which is adapted to be secured to the outer ends of said straps H G B, substantially as herein shown and described.
- 10 2. The herein-described stove-pipe fastener, consisting of the skeleton or open frame com-

posed of the hooked straps H G B, metallic strap A, lever and pawl F P, ratchet E, and collar R, all connected together and arranged substantially in the manner specified. 15

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

BRYANT D. CAMPBELL.

Witnesses:

JOHN L. YARYAN,

HARRISON OGBORN.