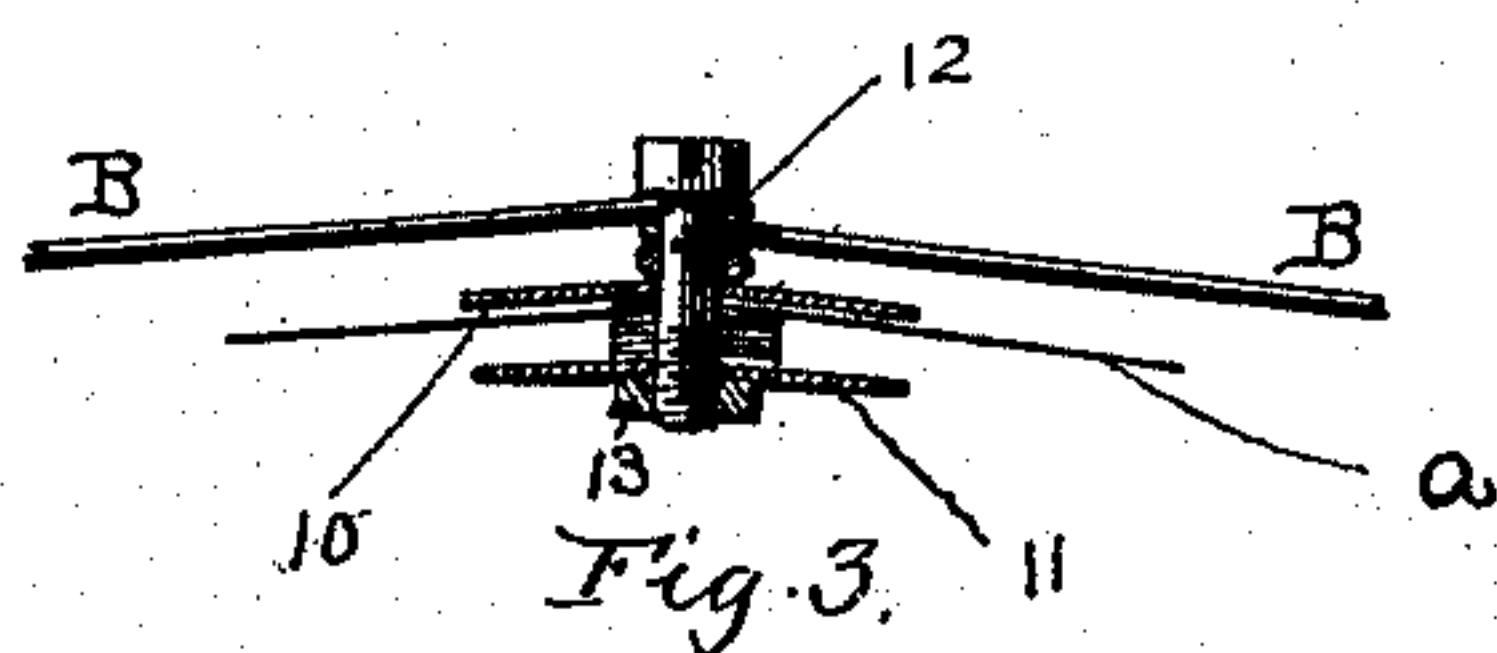
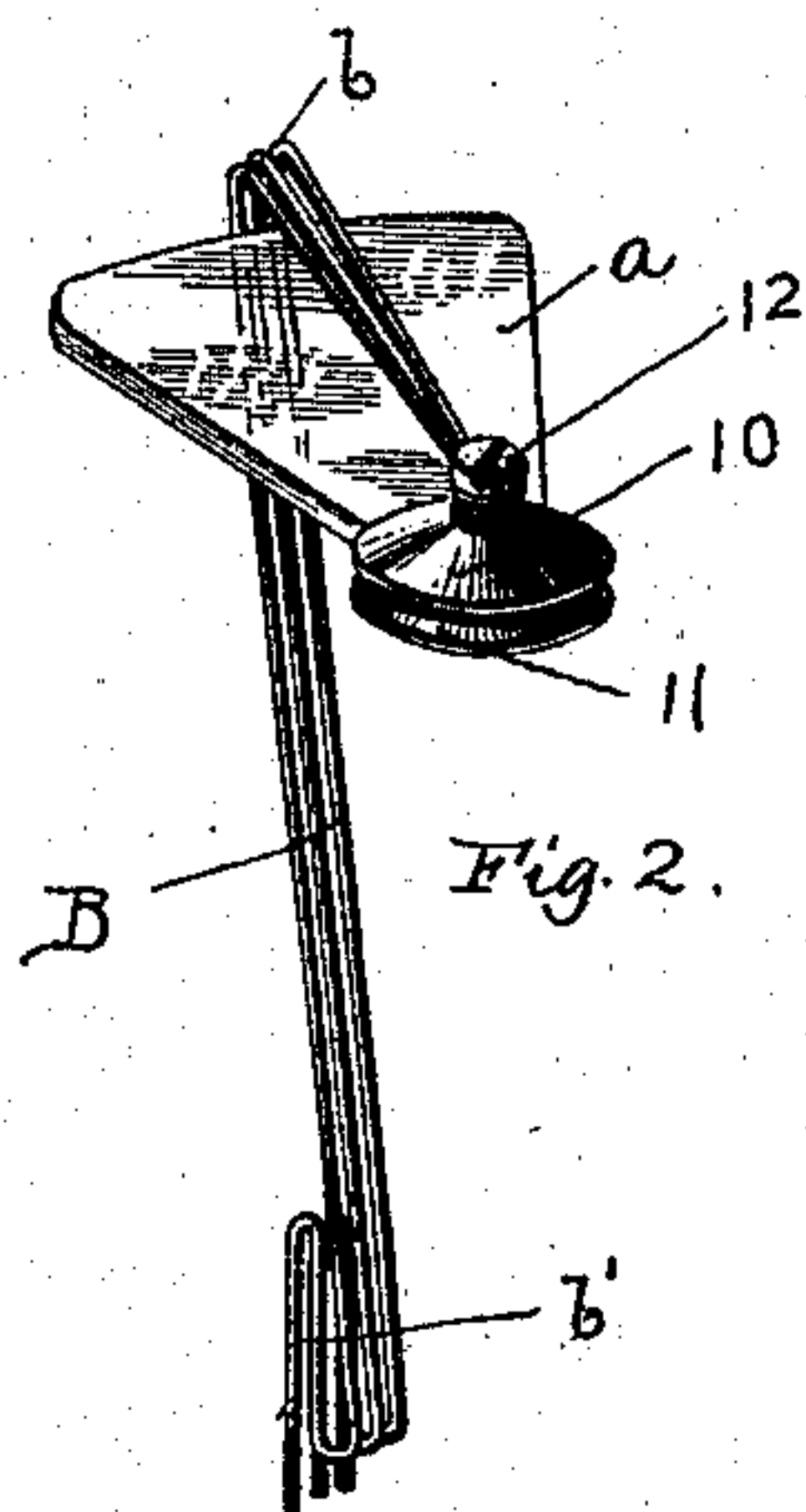
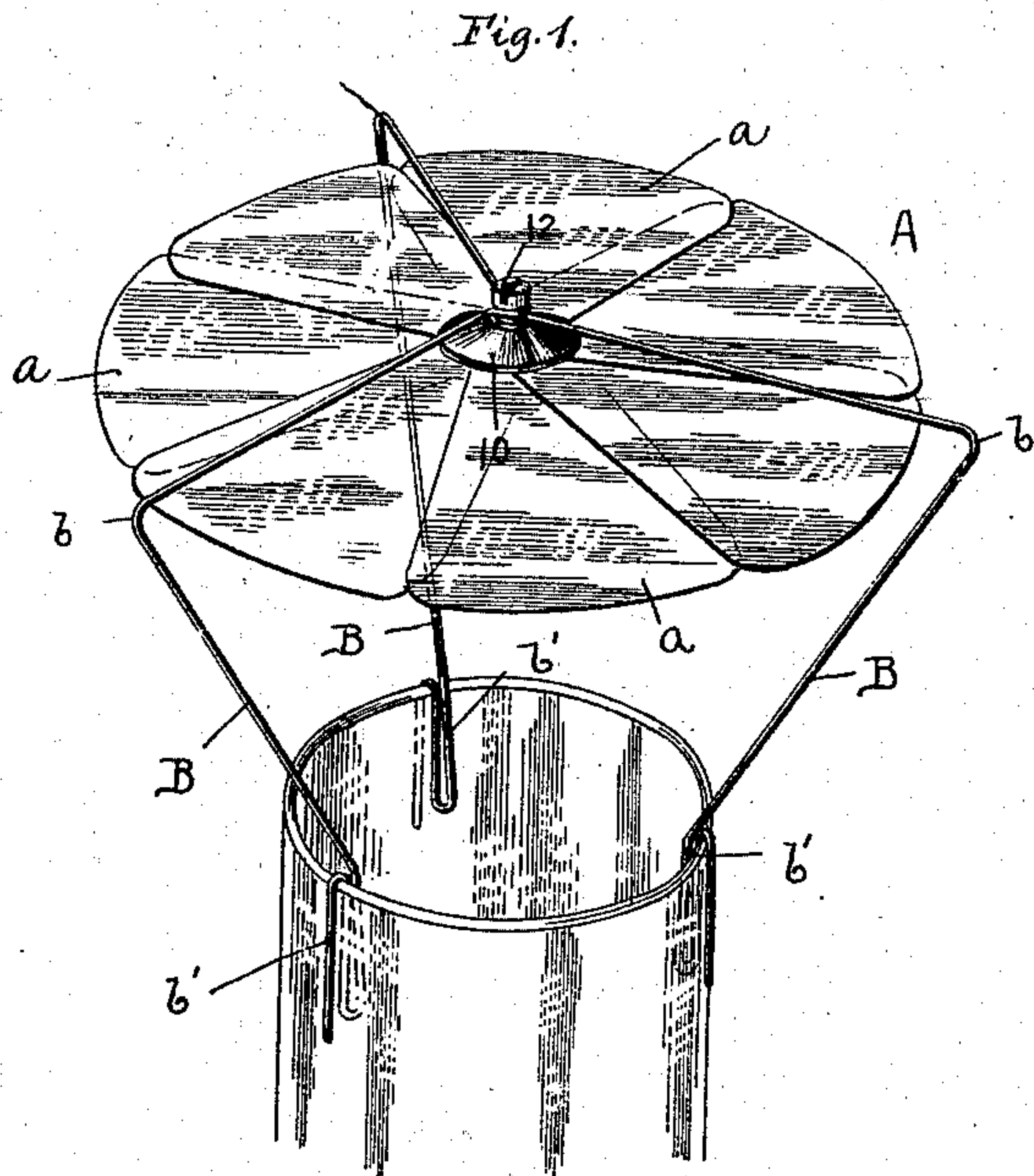


(No Model.)

J. D. WARREN.
CANOPY SHADE FOR CHIMNEYS.

No. 560,664.

Patented May 26, 1896.



Witnesses:

Chas. R. Johnson
W. J. Baldwin

Inventor.

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By
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UNITED STATES PATENT OFFICE.

JOHN D. WARREN, OF WORCESTER, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO GEORGE D. PERRIN, OF SAME PLACE.

CANOPY-SHADE FOR CHIMNEYS.

SPECIFICATION forming part of Letters Patent No. 560,664, dated May 26, 1896.

Application filed July 26, 1895. Serial No. 557,191. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. WARREN, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Canopy-Shades for Chimneys, of which the following is a specification.

My invention relates to an improved canopy-shade for chimneys; and the object of my invention is to provide a strong, simple, and inexpensive construction having spring supporting-arms which will adapt themselves to different sizes of chimneys, the supporting-arms being so located that they will be protected from the heat of the lamp or burner, and the parts being secured together so that they may be compactly folded up for convenience in shipping or carrying.

To these ends my invention consists of the parts and combinations of parts as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a perspective view illustrating a canopy-shade constructed according to my invention secured in place on the top of a chimney. Fig. 2 is a perspective view showing the parts folded together for carrying; and Fig. 3 is a detail sectional view, to be hereinafter referred to.

A canopy-shade constructed according to my invention comprises a body portion, which is preferably made of mica or other non-conducting material, and a plurality of spring supporting-arms, which are arranged to engage the top of a chimney.

Referring to the drawings and in detail, A designates the body portion, which comprises a plurality of overlapping sector-shaped sections or leaves *a*, which are concentrically pivoted together upon a central rivet or screw 12.

In practice I preferably employ a body portion comprising seven or more independent mica sections, so that the parts may be turned or folded into small compass. It is also to be noted that where the body portion comprises a comparatively large number of independent sections each of the sections may be made from a small piece of mica, and I have found

that this is an important point in practice, as mica in small strips or sections may be more readily and cheaply obtained than when sold in comparatively large pieces.

By means of my construction I am also enabled to utilize the small strips or pieces which are left over from the manufacture of other mica articles and which would otherwise be wasted.

The spring supporting-arms B are preferably made of spring-wire and are provided near one end with a double bend or S-shaped portion *b'* for engaging the top of the chimney. Near their center the spring-arms B are bent or offset, as at *b*, pass up over the top of the body portion, and are provided with eyes or sockets for engaging the central rivet or screw 12. By means of this construction it will be seen that the mica body portion will be suspended in position to protect the spring-arms from the heat of the lamp or burner, and on this account I am enabled to employ light spring-wire supporting-arms which will not soften or melt down when in use and which will not give off the unpleasant smell of overheated metal. Conical washers, as 10 and 11, may be secured upon the central screw 12 upon opposite sides of the sections *a*, and the parts may be firmly clamped together by means of a clamping-nut 13.

When it is desired to fold up the device for convenience in packing or carrying, the clamping-nut 13 may be loosened and the parts may be turned into comparatively small compass, as illustrated in Fig. 2.

I am aware that changes may be made in the construction of my improved canopy-shades for chimneys by those who are skilled in the art, and that certain parts may be used in different locations and in different combinations without departing from the scope of my invention as expressed in the claims. I do not wish, therefore, to be limited to the construction which I have shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. In a folding canopy-shade for chimneys, the combination of a body portion comprising a plurality of overlapping pivoted sec-

tions, and a plurality of spring supporting-arms pivoted concentrically with said sections, substantially as described.

2. In a folding canopy-shade for chimneys, the combination of a plurality of pivoted, overlapping mica sections, and a plurality of spring supporting-arms extending over and pivoted concentrically with said mica sections, substantially as described.
3. In a folding canopy-shade for chimneys, the combination of conical washers, a plurality of overlapping mica sections interposed between said washers, a plurality of spring supporting-arms extending over said sections, and a screw for adjustably pivoting the parts together, substantially as described.

4. In a canopy-shade for chimneys, the combination of a plurality of spring supporting-arms having means at one end for engaging a chimney, a body portion comprising a plurality of overlapping mica sections, and a single fastening device located concentrically with said body portion, for securing the parts together, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN D. WARREN.

Witnesses:

PHILIP W. SOUTHGATE,
LOUIS W. SOUTHGATE.