

No. 688,348.

Patented Dec. 10, 1901.

G. D. SCOTT.
MANTLE SUPPORT CARRIER.

(Application filed Mar. 19, 1900.)

(No Model.)

Fig. 1.

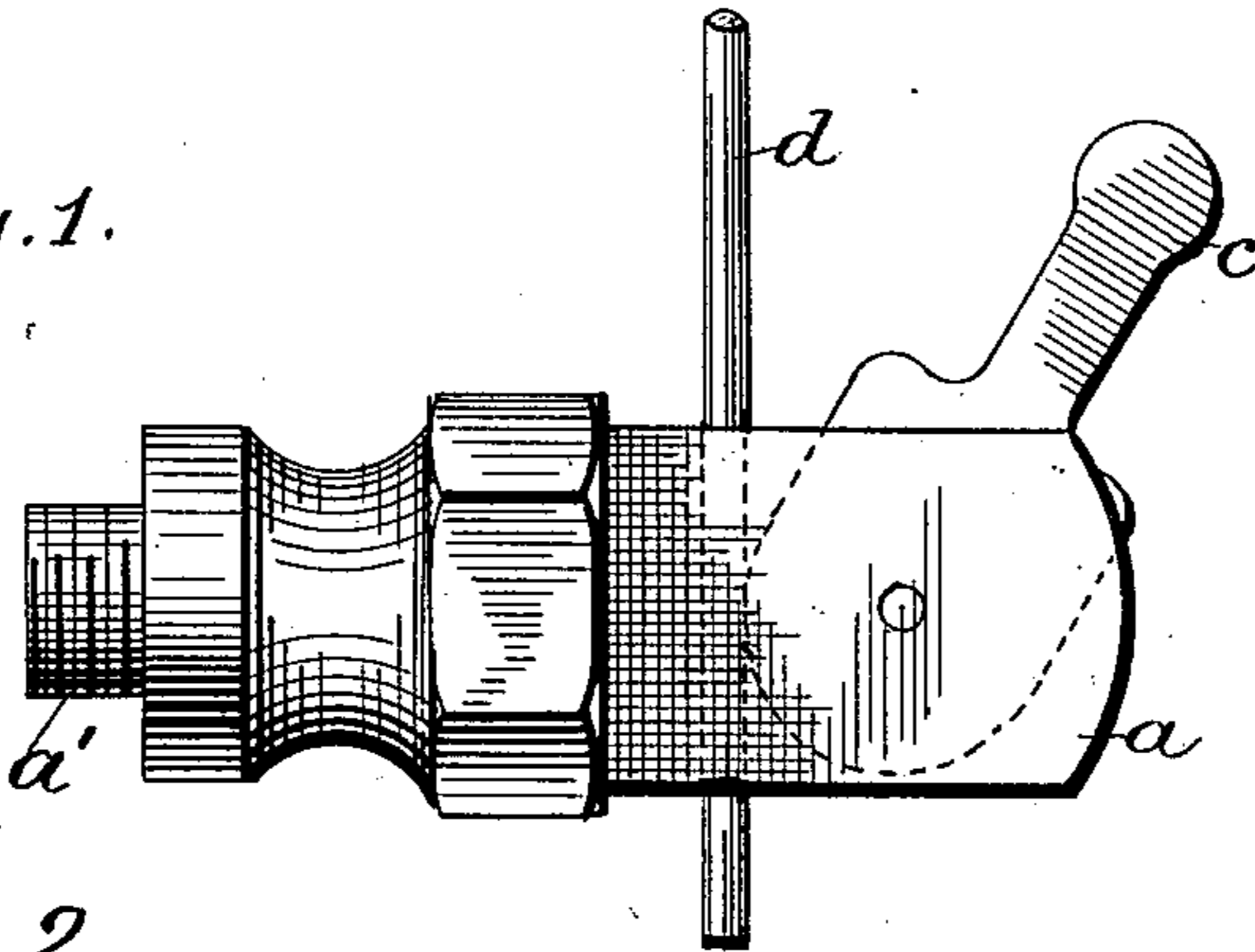


Fig. 2.

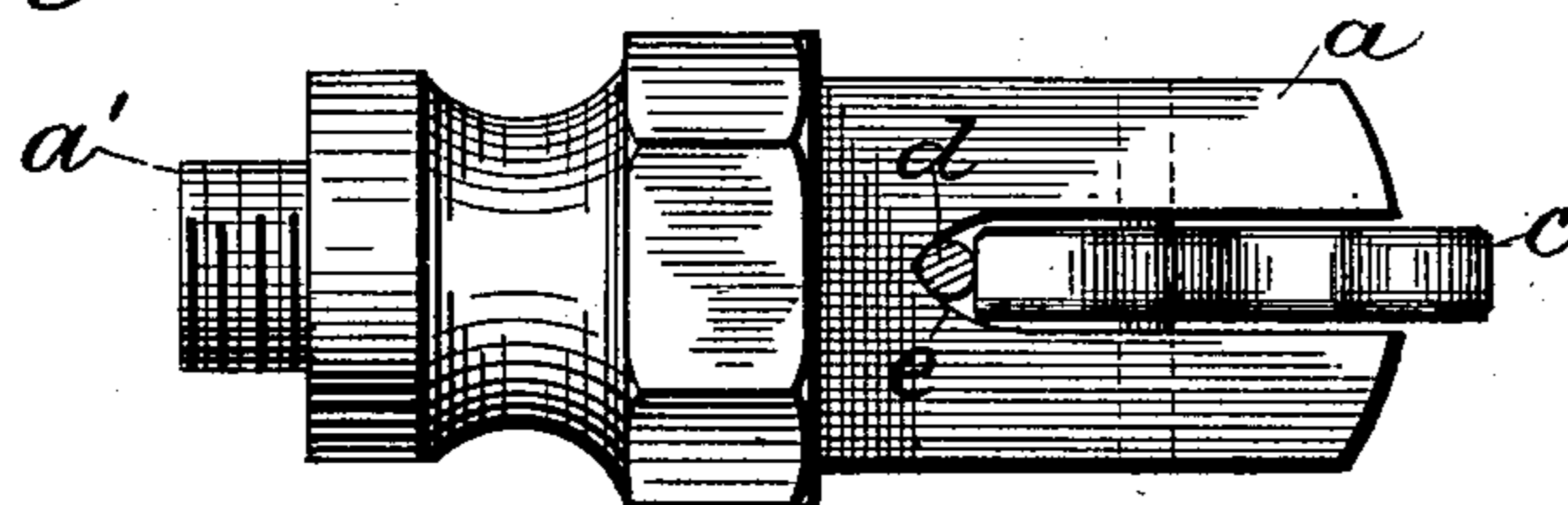
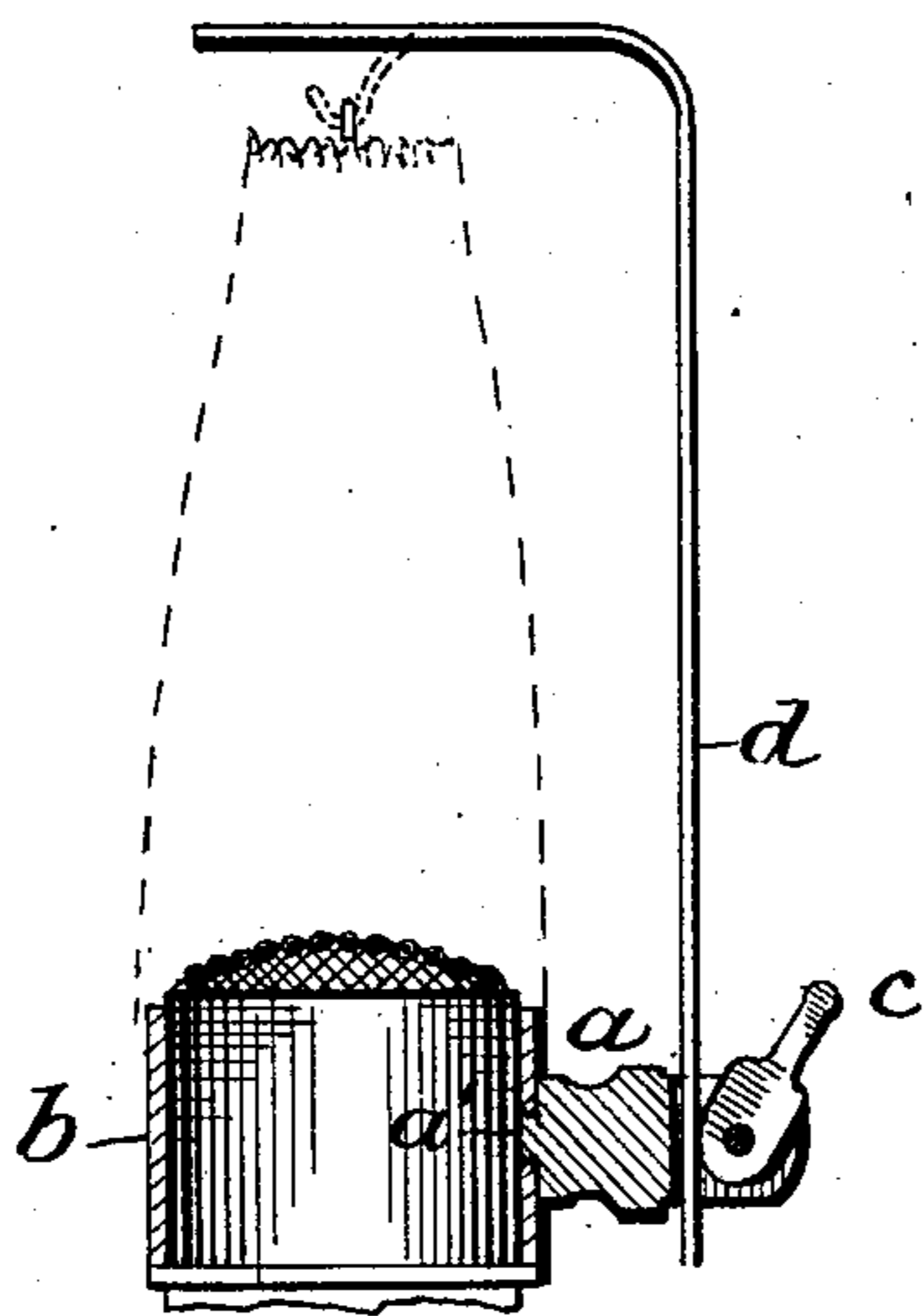


Fig. 3.



Witnesses:
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By

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UNITED STATES PATENT OFFICE.

GEORGE D. SCOTT, OF BIRMINGHAM, ALABAMA, ASSIGNOR TO KITSON HYDROCARBON HEATING & INCANDESCENT LIGHTING COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF WEST VIRGINIA.

MANTLE-SUPPORT CARRIER.

SPECIFICATION forming part of Letters Patent No. 688,348, dated December 10, 1901.

Application filed March 19, 1900. Serial No. 9,324. (No model.)

To all whom it may concern:

Be it known that I, GEORGE D. SCOTT, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented a certain new and useful Mantle-Support Carrier, of which the following is a specification.

The object of the present invention is to provide a simple, efficient, and comparatively inexpensive mantle-support carrier or holder; and to this end the invention consists of the improvements hereinafter described and claimed.

The nature, characteristic features, and scope of the invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a side elevational view of the mantle carrier or holder. Fig. 2 is a plan view of the same; and Fig. 3 is a side elevational view, partly in section, illustrating one of several ways of attaching my mantle-support carrier or holder to the burner-head.

In the drawings, *a* is a mantle-support carrier or holder, which may be cast, screwed, riveted, or otherwise attached to a burner-head or other appropriate parts of a Welsbach or other incandescent light. As shown in the drawings, the mantle carrier or holder is bifurcated and provided with a threaded stem *a'*, which may either be applied to a ring or collar *b* or applied directly to the burner. As shown in Fig. 3, it is screwed into a collar *b*, which is fitted over the burner-head, and thus presents an attractive appearance and produces an arrangement which is simple in adjustment. Although it could be applied to the burner-head direct, still the means of attachment are not part of this invention. The carrier or holder *a* is equipped with a clamping-lever *c*, adapted to bind and rigidly hold a mantle-support *d* of any preferred shape, size, or type. This is facilitated by reason of

the fact that the carrier or holder is provided with a socket *e*, which, if V-shaped, as shown, prevents the mantle-support from turning when the clamping-lever *c* is pressed into operative position.

Mantles by reason of their fragility require the utmost care when being mounted upon a burner, and the slightest jar is sometimes sufficient to shatter them. By use of the described arrangement a slight pressure exerted on the clamping-lever *c* will bring it to bear against the mantle-support *d* in an even and uniform pressure, thus reducing the tendency to breakage of the mantle to a minimum. The means recited above hold the mantle in a rigid manner, and when necessary a slight movement of the clamping-lever *c* will release the mantle-support and permit of the withdrawal of the same free of jars or vibrations.

It will be obvious to those skilled in the art to which the invention appertains that modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth, and illustrated in the drawings; but,

Having thus described the nature and objects of the invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with the collar of a burner-head, of a stem projecting from one side thereof and having a longitudinal bifurcation terminating at its inner extremity in a V-shaped slot adapted to receive a mantle-support, and a clamping-lever pivoted between the arms of the bifurcation and adapted to bind the mantle-support in said V-shaped slot, substantially as described.

In testimony whereof I have hereunto signed my name.

GEORGE D. SCOTT.

In presence of—

R. B. HOGUE,
R. C. HENDERSON.