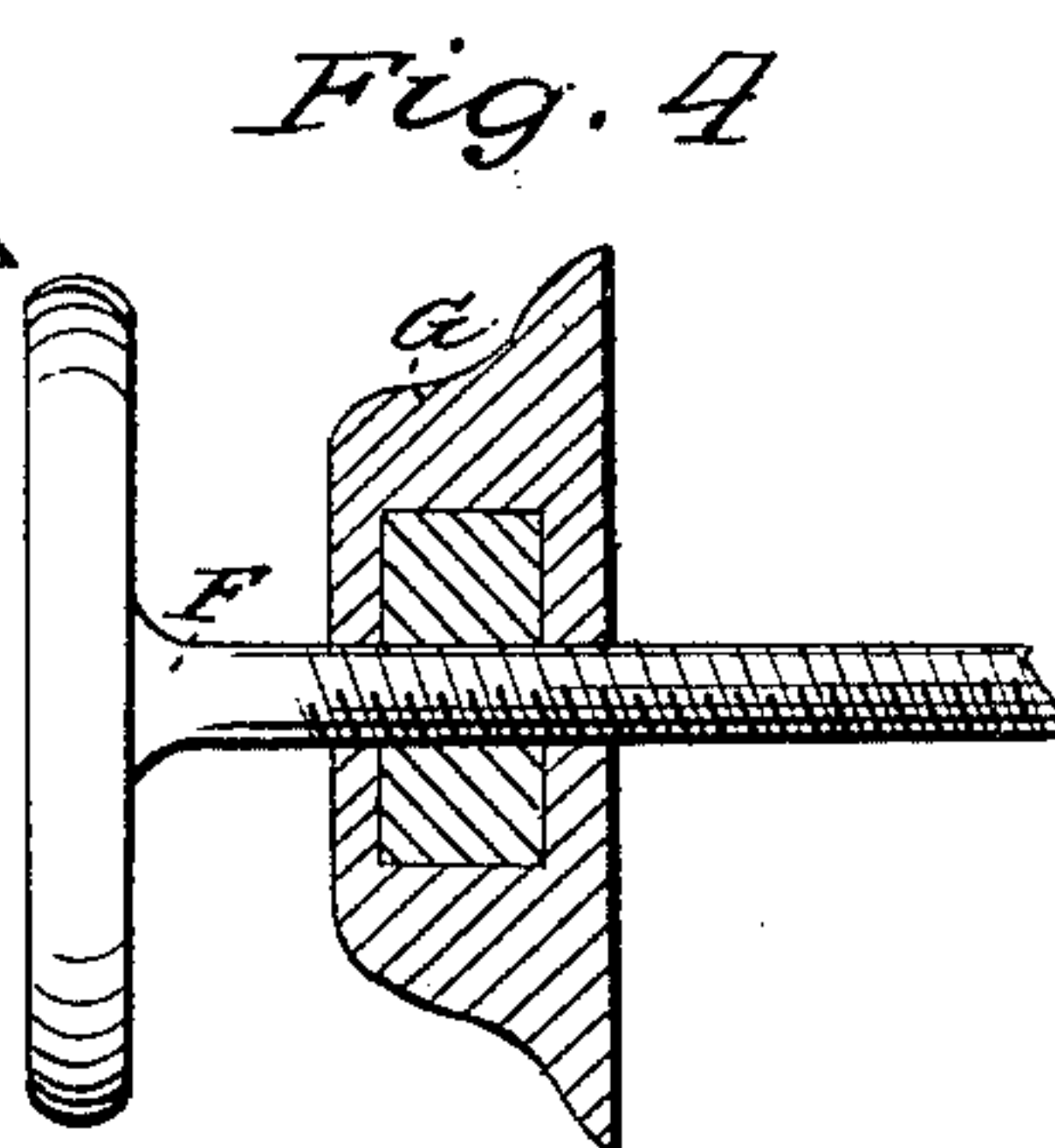
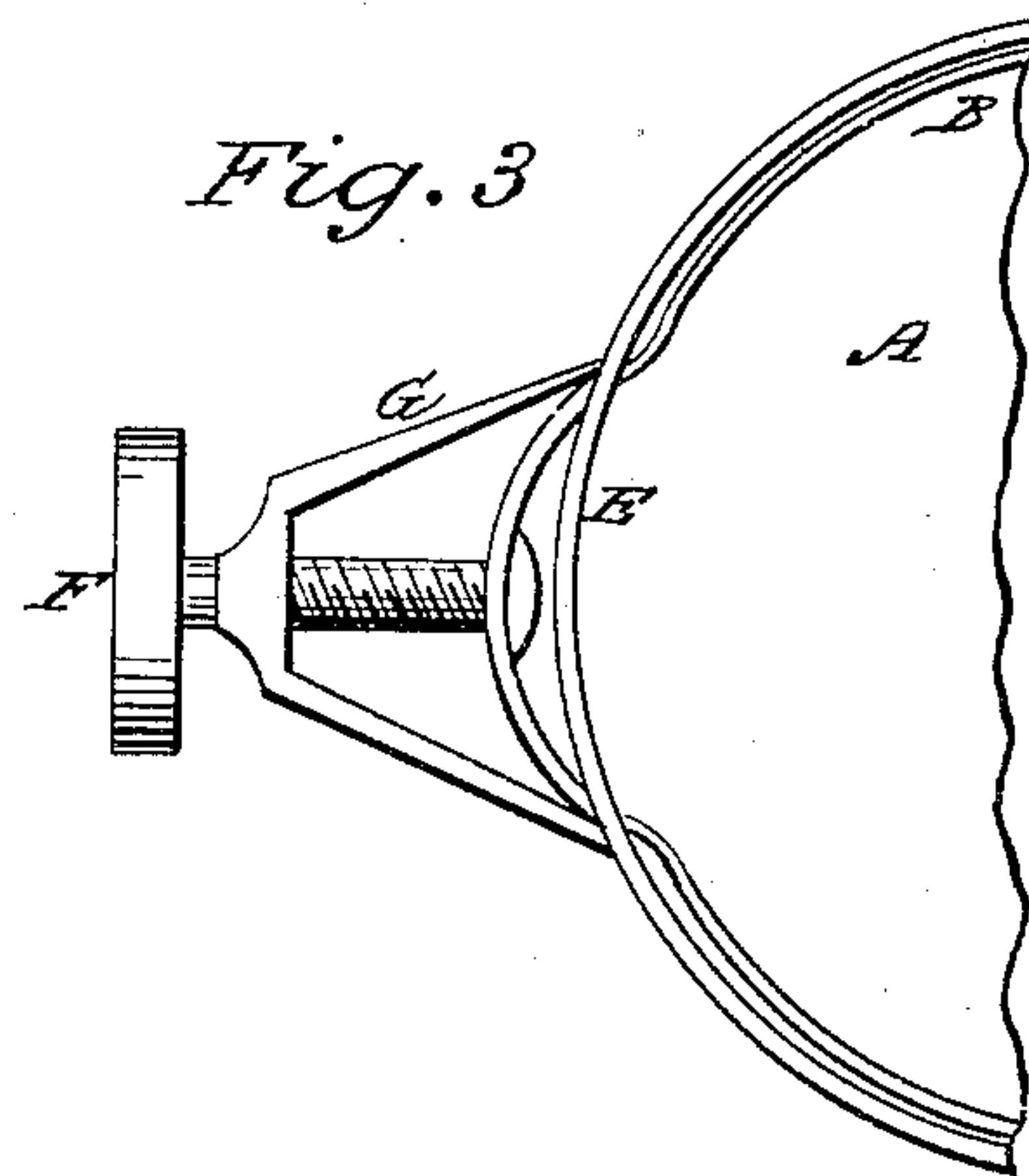
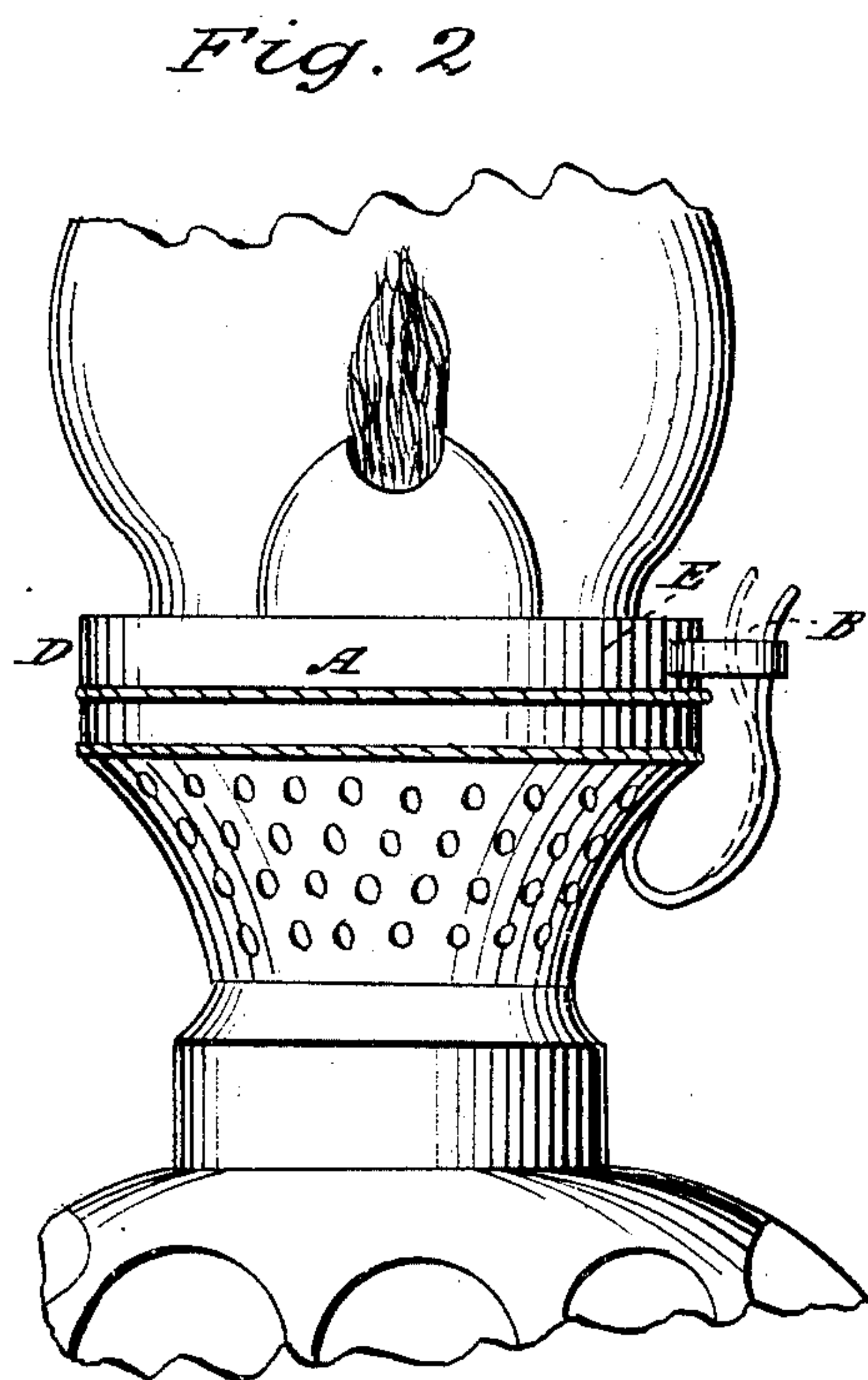
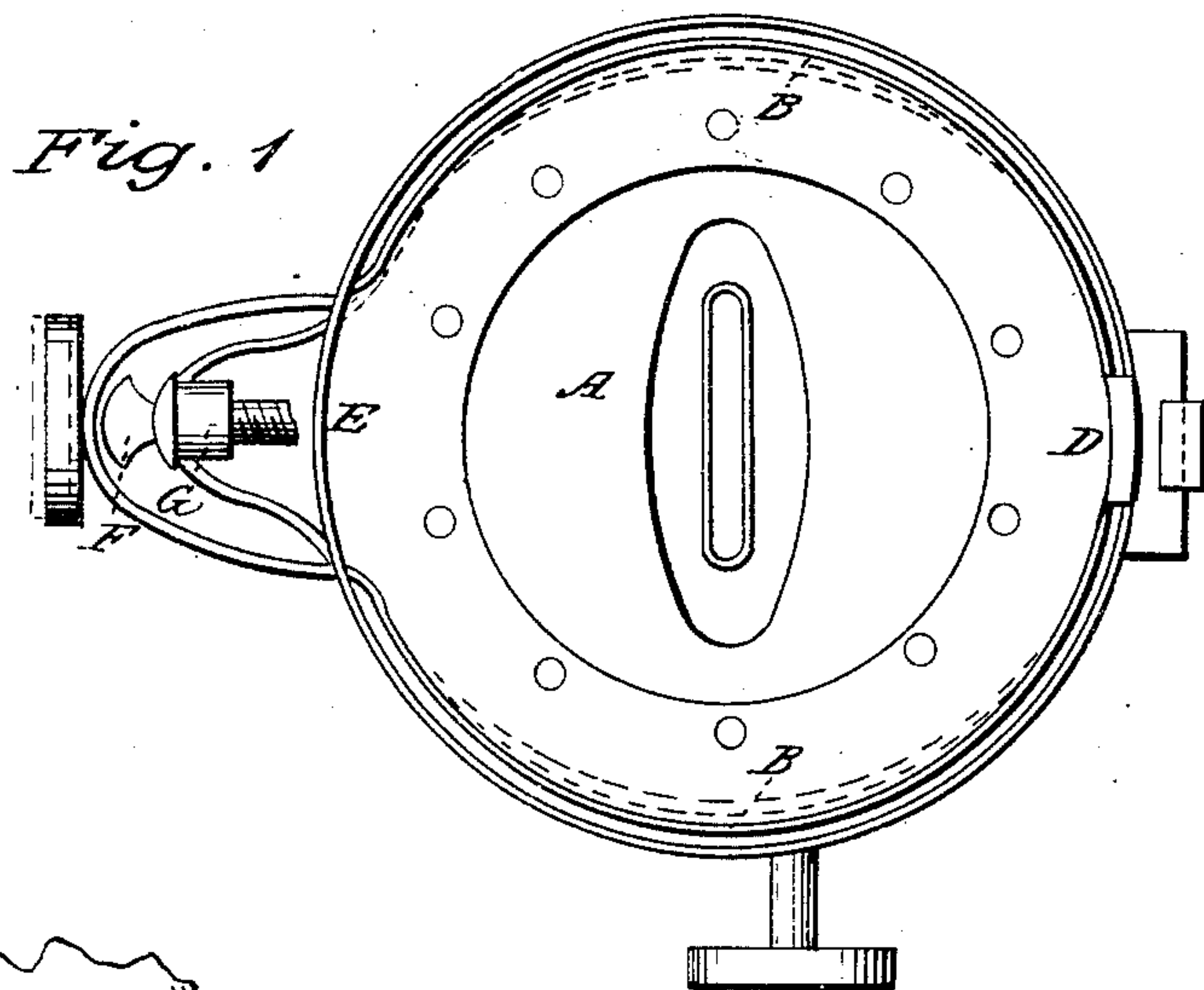


A. WHITLOCK.  
Chimney Holder.

No. 65,459.

Patented June 4, 1867.



Witnesses:  
*Philip C. Dieterich*  
*Myron A. Drexler*

Inventor:  
*Abel Whitlock*  
By *R. D. Smith*  
att'y.

# United States Patent Office.

ABEL WHITLOCK, OF DANBURY, CONNECTICUT.

*Letters Patent No. 65,459, dated June 4, 1867.*

## IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, ABEL WHITLOCK, of Danbury, in the county of Fairfield, and State of Connecticut, have invented a new and useful Improvement in Holders for Lamp-Chimneys; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is plan view of a burner with my holder attached.

Figure 2 is a side elevation.

Figures 3 and 4 exhibit modifications of the same.

The nature of my invention consists in an elastic or flexible metallic strap to surround the base of the lamp-chimney, when in position upon the burner, and operated by a thumb-screw.

That others may understand my invention, I will particularly describe it.

A is the burner of a lamp, such as are in common use. The ordinary flanged chimney is to be used, though any chimney having a flange at its lower end will be equally well secured by my device provided said chimney is of proper size to fit the burner. Inside of the rim of my burner I place the metallic strap B, and secure the same at the point D to the rim of the burner, by solder, or some other convenient method. When the strap B is relaxed, and, so to speak, in its normal condition, it fills and touches the inner side of the rim of the burner on all sides, so that the flange of the chimney may pass the strap freely when it is placed on the burner. At the point E, which is opposite the point D, the strap is connected by a swivel-connection to the end of the thumb-screw F, and by this screw, or its equivalent, it is tightened upon the chimney which is to be secured. The rim of the burner is cut away behind the point E for a little distance, so as to permit the strap B to be drawn out, because in order to tighten the same upon the chimney its length within the rim must be decreased. The screw F is mounted in a nut supported by the bridge G.

When the chimney is put in place upon the burner the screw is run back, and this draws the strap through the opening in the rim of the burner and causes said strap to assume an elliptical form, instead of a circular one as before, and to clasp the chimney above the flanges with more or less force, according to the pressure exerted by the screw. It may be deemed more convenient, and in some cases preferable, to place a spring in lieu of the screw F; such a spring will not be liable to the objection which commonly applies to springs about lamp-burners, because it will not become heated so as to destroy its elasticity, being entirely outside of the burner and constantly cooled by the surrounding air. Such a spring is shown in fig. 2. Chimneys heretofore secured by screws have seldom been safely secured, because the screws and nuts as commonly made for such uses are very imperfect and do not retain any desired position. In this case the elasticity of the strap B, however soft the metal may have become through the action of heat, will be sufficient to sustain a constant pressure upon the screw and prevent it from working back. If necessary, the screw F may pass through a piece of cork, or other elastic substance, to prevent any motion backward, or a supplemental spring may be used for the same purpose. Fig. 4 exhibits the screw passing through a piece of cork, inserted and retained in the nut G.

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

The flexible strap B, in combination with the screw F, or its equivalent, for the purpose set forth.

ABEL WHITLOCK.

Witnesses:

OLIVER A. G. TODD,

ORNA O. LYON.