

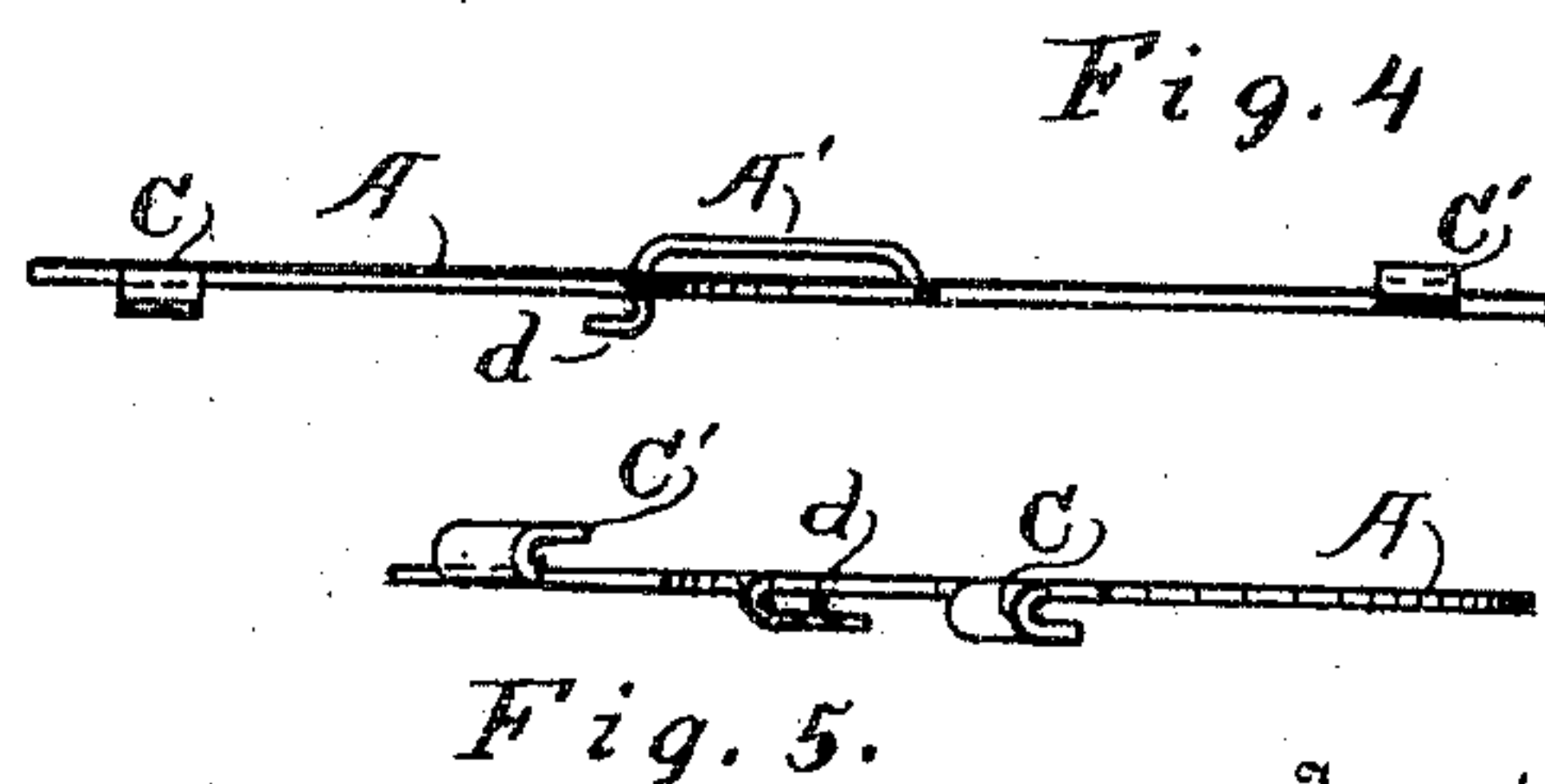
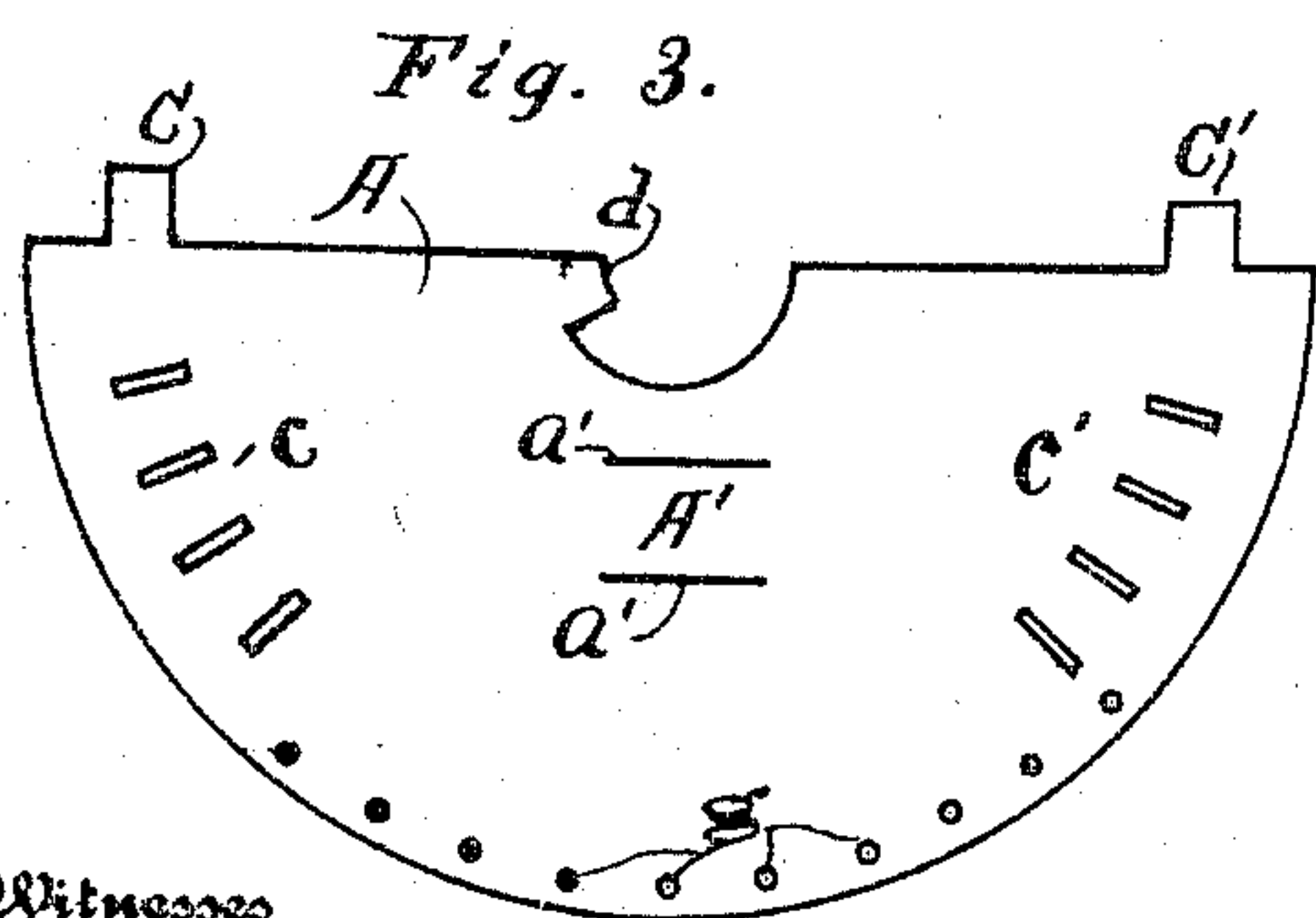
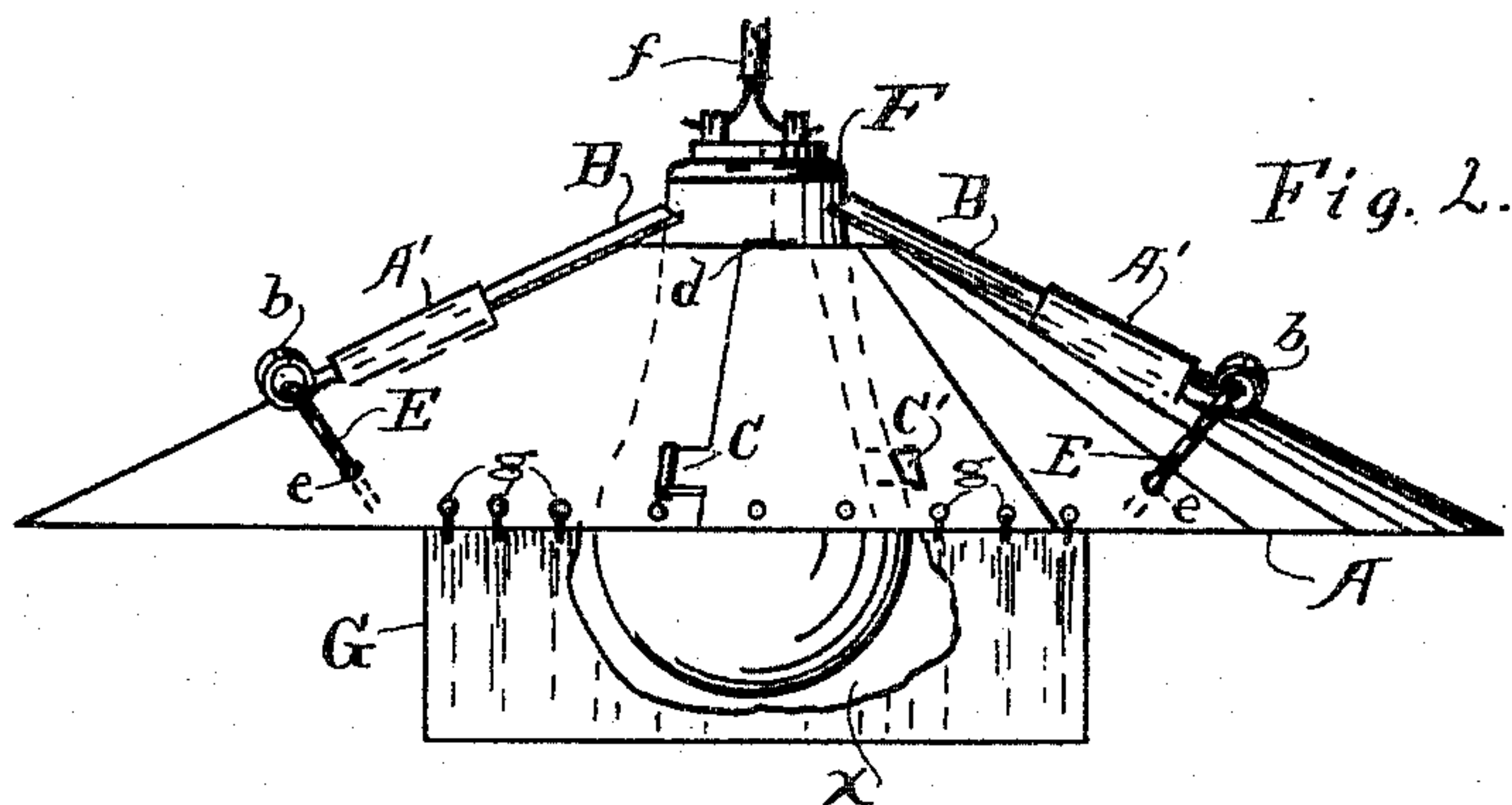
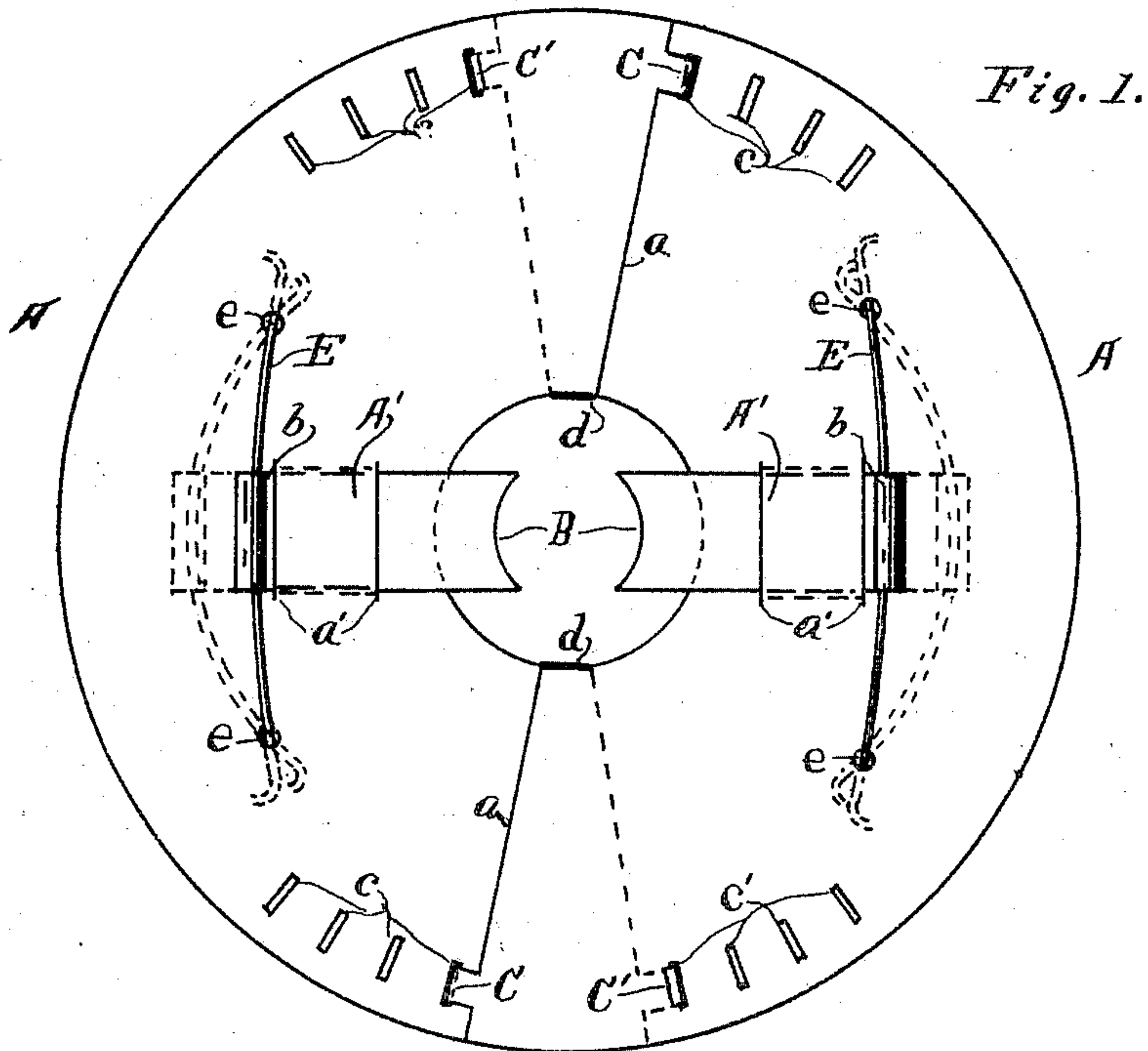
No. 776,249.

PATENTED NOV. 29, 1904.

F. LUBOW.
LAMP SHADE.

APPLICATION FILED JUNE 4, 1904.

NO MODEL.



Witnesses

A. Allgier
C. V. Billey

By

Fred Lubow
Ethel J. Billey
Attorney

UNITED STATES PATENT OFFICE.

FRED LUBOW, OF GRAND RAPIDS, MICHIGAN.

LAMP-SHADE.

SPECIFICATION forming part of Letters Patent No. 776,249, dated November 29, 1904.

Application filed June 4, 1904. Serial No. 211,176. (No model.)

To all whom it may concern:

Be it known that I, FRED LUBOW, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Lamp-Shades, of which the following is a specification.

My invention relates to improvements in shades for use upon kerosene lamps, electric-light bulbs, &c.; and its objects are, first, to provide a lamp-shade that may be manufactured and shipped in blank and readily and conveniently assembled; second, to provide a lamp-shade that may be readily applied to an electric-light bulb without removing the bulb from the supporting-wire and without danger of its being detached therefrom; third, to provide a lamp-shade to which a curtain may be readily attached if desired, and, fourth, to provide a shade that may be made more or less conical at pleasure.

I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top plan of the shade. Fig. 2 is an elevation of the same applied to an electric-light bulb. Fig. 3 is a plan of the blank from which one-half of the shade is made. Fig. 4 is an elevation of the same; and Fig. 5 is an elevation, partly in perspective, showing the position of the several hooks used in securing and shaping the shades.

Similar letters refer to similar parts throughout the several views.

In the construction of these shades I prefer to use two sections A of practically the form shown in Fig. 3, having slots *c* and *c'*, (see Fig. 1,) and to insure holding the parts together properly I form a hook *d* at the center, which folds back over the edge of the other section, and hooks C C', arranged to interlock with the slots *c c'*. These hooks are more fully illustrated in Figs. 4 and 5.

I provide for placing the shade up over an electric-light bulb F or down over the top of a chimney by placing slides B thereon, and to attach these slides to the shade I cut slots *a'* through the sections and press the loop A' up, so that the slides B will pass through freely, and to hold the slides to position against the chimney or bulb F, I place spring, as E, in contact with them. In the drawings I show

the simplest form of straight spring E applied by passing the ends through holes *e* in the shade and the center through the roll *b* of the slides; but any available form of spring may be applied without departing from the spirit of my invention.

G represents a small curtain that may be applied by means of the holes *g*. I have cut this curtain away at *x* to show the lower end of the bulb F.

f is the electric cable for conducting electricity to the bulb F, and *a* represents the outer edges of the overlapping section.

These lamp-shades can very conveniently be made of a single piece having but one division; but I prefer to construct it practically as shown. To vary the conical shape of the shade, simply vary the position of the retaining-hooks C C' in the slots *c c'*.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a lamp-shade, a body formed of sections provided with slots and hooks for assembling the sections, attaching slides secured to the body of the shade, and springs actuating the slides, substantially as and for the purpose set forth.

2. In a lamp-shade, a body made of sections, each section having a series of slots near the periphery, a hook on each section in position to engage the slot in the other section, a central retaining-hook *d* on each section adapted to engage the other section, slides adapted to engage the lamp-body secured to the sections, and actuating-springs for the slides connected thereto and with the body of the shade, substantially as and for the purpose set forth.

3. In a lamp-shade, a body made of sections, slides adapted to connect the shade to the lamp, actuating-springs attached to the slides and to the shade-sections, said shade-sections being perforated near the base and a curtain secured thereto, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, June 2, 1904.

FRED LUBOW.

In presence of—

A. S. PALMER,
ITHIEL J. CILLEY.