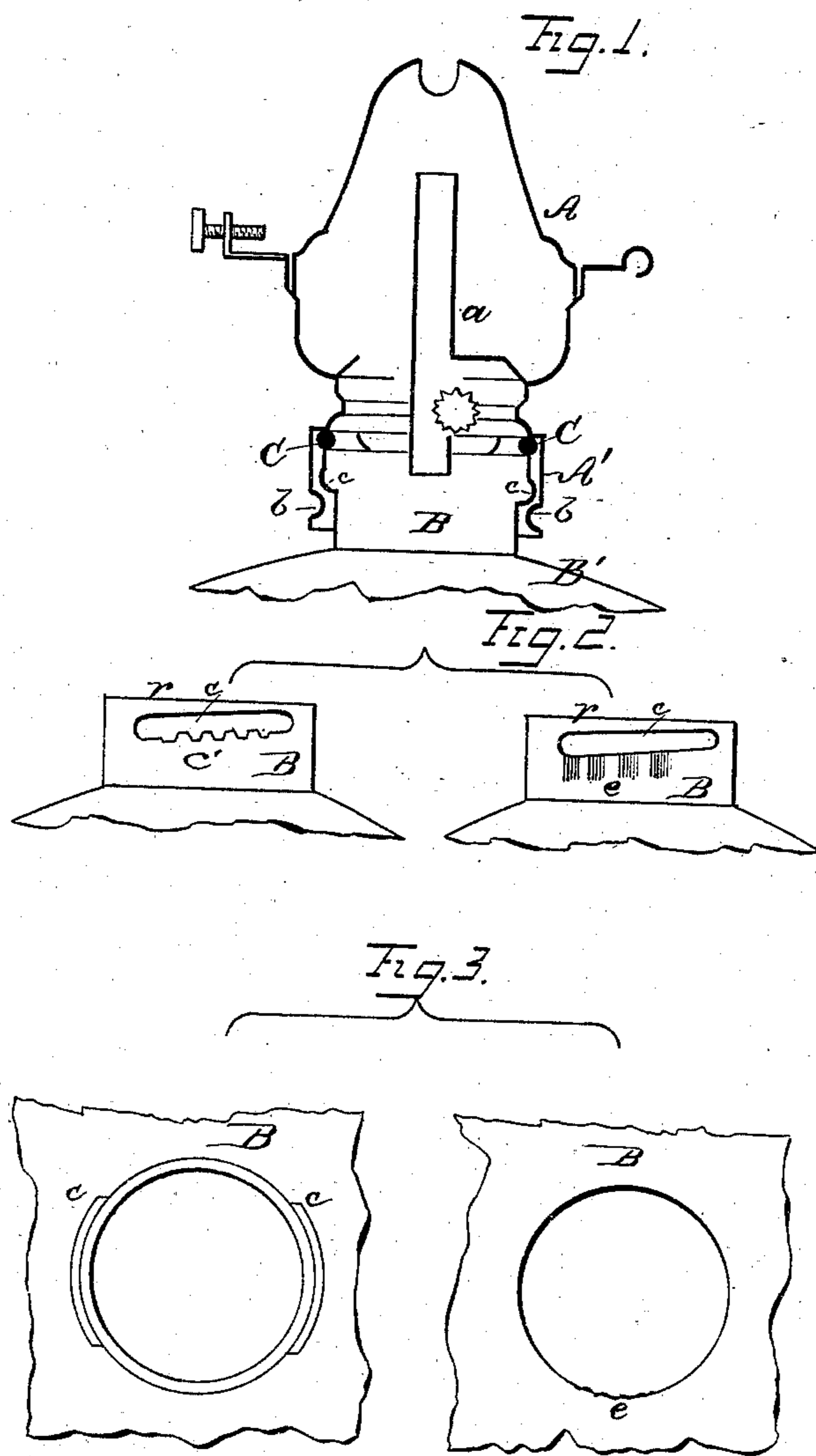


(No Model.)

T. KENNEDY.  
Lamp Burner.

No. 241,670.

Patented May 17, 1881.



Witnesses:  
W. C. McArthur,  
W. R. Keyworth.

Inventor.  
Thos. Kennedy,  
by R. D. Williams  
Attorney.

# UNITED STATES PATENT OFFICE.

THOMAS KENNEDY, OF BIRMINGHAM, ENGLAND.

## LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 241,670, dated May 17, 1881.

Application filed October 22, 1880. (No model.) Patented in England June 4, 1880.

*To all whom it may concern:*

Be it known that I, THOMAS KENNEDY, of Birmingham, England, have invented certain new and useful Improvements in Lamp-Burners; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a central vertical sectional view of the burner as attached to the lamp-body. Fig. 2 represents, in side elevation, certain modifications of the collar which receives the burner and is permanently attached to the lamp; and Fig. 3 is a plan and horizontal section of the same, as hereinafter explained.

My invention relates to lamps for burning volatile hydrocarbons; and it consists in certain features of construction of the burner and its collar, designed to facilitate the attachment and removal of the burner, when desired, as well as to cheapen and simplify the construction of these parts.

Heretofore the oil-reservoir has generally been furnished with a collar, threaded on the inside and attached to the fount or oil-reservoir by means of plaster or gypsum, the burner being screwed into the collar. I obviate in great measure the expense of this mode of construction, and the trouble attending the connection of the parts, by forming the collar and burner as follows:

B' is the fount, having the collar B formed integral therewith by casting if of glass, or spinning if of metal, or otherwise suitably attached thereto. The collar is furnished with two or more inclined beads or projections, *c*, above which is a plain cylindrical portion, *r*, designed to facilitate the attachment of the burner.

The burner A has the usual wick-tube *a*, and its lower portion is spun up from a sheet-metal tube by compressing it upon a mandrel by dies or rollers. It terminates below in a collar or neck, A', large enough to pass over the collar B, and in it are formed indentations *b b*, so located as to come opposite the projections *c*. A washer, C, of leather or suitable material is interposed between the top of the collar and the neck A', as shown.

To connect the parts the burner is simply brought down over the collar, the indentations *b* being made to come opposite the spaces between the projections *c*. The burner is then turned partly round, causing the indentations to come under the projections and draw the burner closely down upon the washer. The elasticity of the latter will generally suffice to prevent the accidental reverse rotation of the burner with reference to the collar; but for greater security I prefer to provide against such a contingency by corrugating the under side of the bead, as shown at *c'*, Fig. 2, or by forming a series of vertical grooves, *e*, beneath the bead, a spring-catch, thumb-screw, or other device being attached to the burner to engage therewith.

It will thus be seen that the described construction of parts admits of the collar and burner being most conveniently struck up or spun, and their attachment and disconnection are greatly facilitated.

Obviously, the relative positions of the indentations and projections may be reversed—that is to say, the former may be made upon the collar and the latter on the burner.

I am aware that collars have been joined to the necks of lamp-founts by bayonet-joints, and that inclines have been formed on the necks of preserve-jars, with which lugs on the ends of the cover-bail engaged, the principle in each case being the same; but such I do not claim.

What I claim is—

In combination with the collar B, integral with or secured to the fount, and having one or more inclined beads, *c*, and cylindrical portion *r*, and corrugations or indentations, as described, the burner having indented cylindrical portion A' and washer C, all as set forth.

In testimony that I claim the foregoing as my own I affix my signature in the presence of two witnesses.

THOS. KENNEDY.

Witnesses:

GEORGE PATON,  
WILLIAM COWAN.