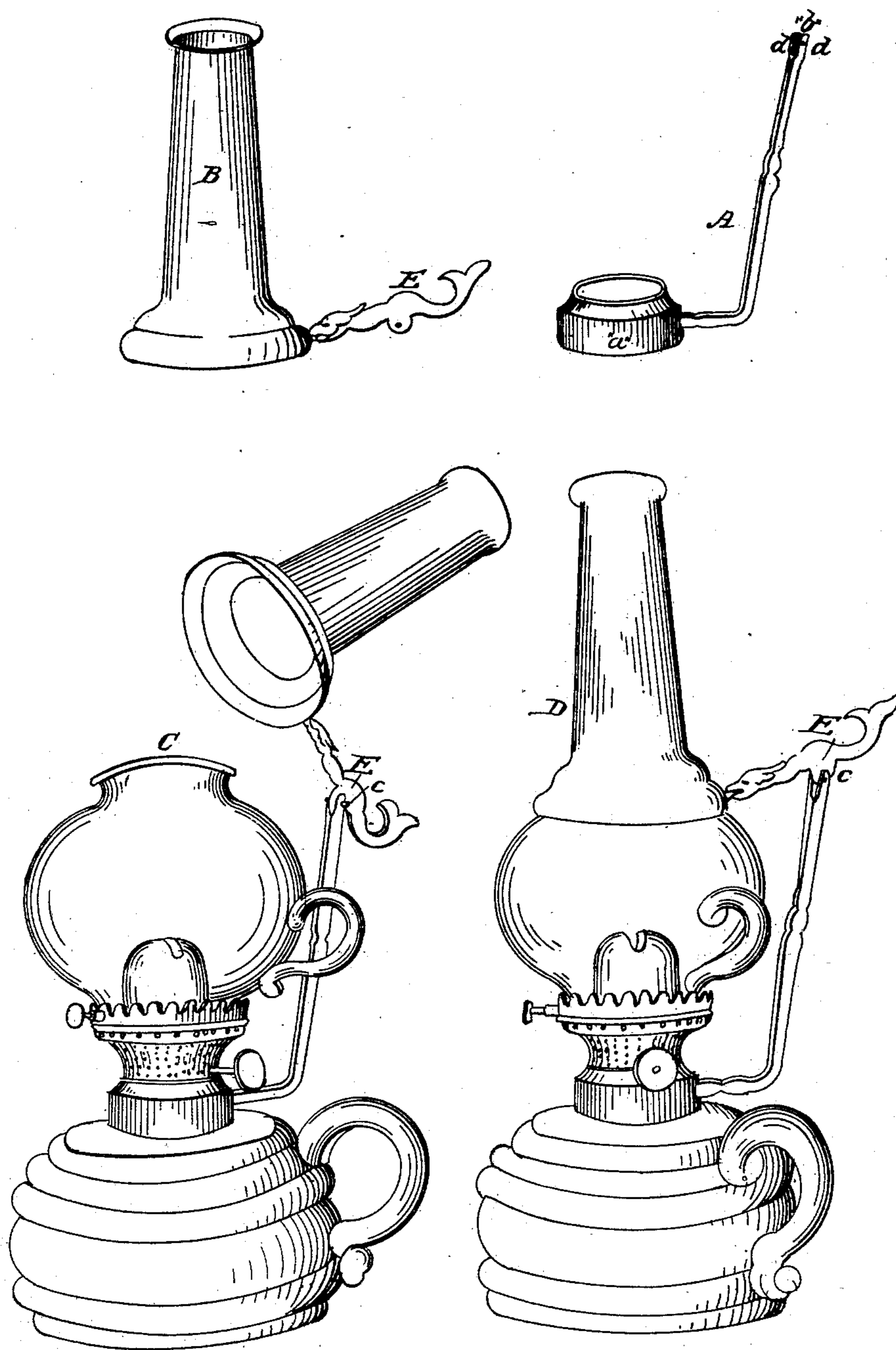


C. F. J. COLBURN.

Lamp Bracket.

No. 38,150.

Patented April 14, 1863.



WITNESSES:

Chas. K. ...
H. H. Colburn.

INVENTOR

George F. J. Colburn.

UNITED STATES PATENT OFFICE.

GEORGE F. J. COLBURN, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. 38,150, dated April 14, 1863.

To all whom it may concern

Be it known that I, GEORGE F. J. COLBURN, of the city of Newark, county of Essex, and State of New Jersey, have invented a new and improved method of attaching a tube to a lamp or gas burner, which may be easily combined with (when required) or removed from a glass globe or other transparent device, which may be used for surrounding and protecting the flame; and I do hereby declare that the following is a full and clear and exact description thereof, reference being had to the accompanying drawing.

I am aware that a patent has been granted for the "arrangement and construction of a lamp chimney having a glass bulb for its base, with a sheet-metal tube" affixed permanently to its upper edge, which construction makes the glass portion very liable to be broken (and rendering it worthless) by the unequal expansion and contraction of the metal portion, caused by the heat of the flame. Neither can the wick be lighted without removing the chimney entirely from the lamp or gas burner. I remedy such defects and facilitate the lighting of the wick or burner in the following manner:

The nature of my invention consists of providing that portion of the lamp or gas burner below the flame with a fixture, which serves to support a tube, and in such a manner that it may be easily placed over the flame (upon the globe or other transparent device protecting it) without being permanently combined with the latter, and still when combined making the globe or other transparent arrangement answer all the purposes of a lamp-chimney, also increasing the draft for the flame and allowing it to be easily lighted by removing the tube and applying a match to the wick or burner. Then, again, if the globe, &c., becomes broken, it can be easily replaced by a new one.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I make the fixture A of metal of such a form and dimensions as shall be suitable for the purpose specified. At the lower end I attach a ring or its equivalent so that it can be readily fastened to some portion of the lamp or gas burner. The ring is shown at *a*. The body portion of the fixture I fashion in such a way that it will stand at such a distance from the globe as to allow the tube portion, which is to be attached to it, to be adjusted and supported in a proper manner to effect the purpose desired. At the upper end of the fixture I make a notch or slot, letter *b*, or other device for the purpose of receiving the part attached to the tube that allows of its being easily removed and replaced on the globe, &c., to which it is to be applied.

I make the tube, letter B, of metal or other substance suitable, and of such dimensions that the lower part shall cover the upper section of the globe.

Letter C shows the application of the tube B and the fixture A when attached to a lamp or to a burner, the tube B being removed from the top of the globe, and letter D shows the position of the tube when upon the globe ready for use.

E shows the metal attachment making part of the tube B, serving as a hinge-joint when attached to a fixture, A, by means of the pin *e*, inserted in the holes *d d* of the slot *b*.

Having thus described the main features of my invention, I will state what I claim and desire to secure by Letters Patent:

The method of connecting a tube with a lamp or gas burner by means of a fixture made and attached as described, so that it may be combined with or removed from a glass globe or other transparent device protecting the flame substantially in the manner and for the purpose specified.

GEORGE F. J. COLBURN.

Witnesses:

ENOS RUNYON,

W. H. H. COLBURN.