

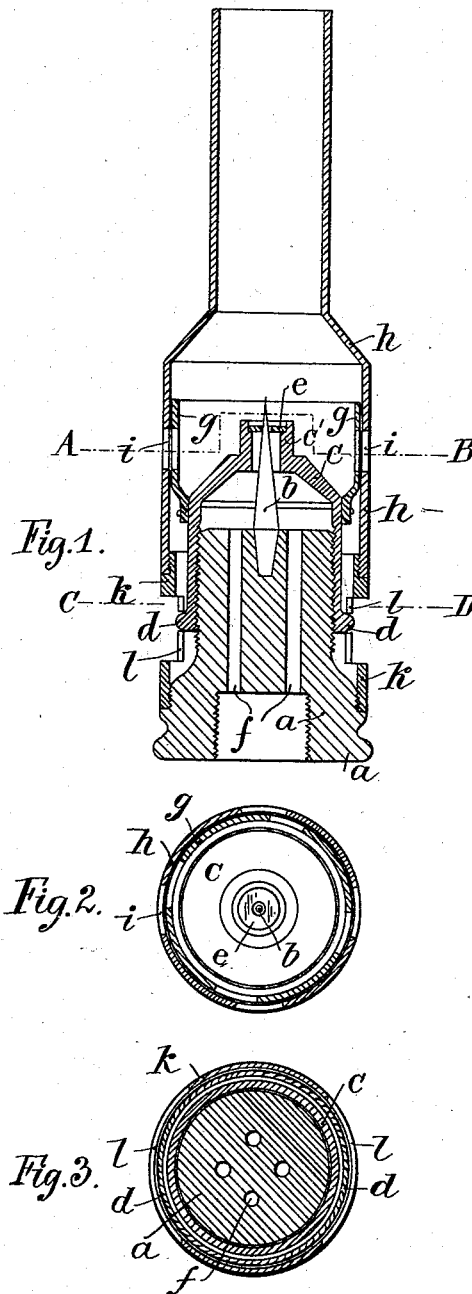
No. 676,173.

Patented June 11, 1901.

R. BEESE.  
REGULATOR FOR GAS BURNERS.

(Application filed Jan. 25, 1901.)

(No Model.)



Witnesses.

Harold Bremner  
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# UNITED STATES PATENT OFFICE.

RICHARD BEESE, OF DRESDEN, GERMANY.

## REGULATOR FOR GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 676,173, dated June 11, 1901.

Application filed January 25, 1901. Serial No. 44,742. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD BEESE, a subject of the King of Saxony, residing at 13 Gluckstrasse, Dresden, German Empire, have  
5 invented a new and useful Regulator for Gas-Burners, of which the following is a specification.

The present invention consists of a new and useful regulator for incandescent gas-burners, of which the following description  
10 forms the specification, and in which similar letters of reference refer throughout to similar parts.

Figure 1 is a vertical sectional view of an incandescent gas-light burner embodying my  
15 invention. Fig. 2 is a horizontal sectional view on the line A B of Fig. 1. Fig. 3 is a horizontal sectional view on the line C D of Fig. 1.

The new regulator C consists of a cylindrical body having one end open and provided on the inner surface with a screw-thread adapted to engage a screw-thread  
20 formed on the outer side of a gas-pillar a, which is provided with a plurality of gas-channels f. The upper portion of the regulator C is somewhat conically shaped and is provided with concentric neck c', in which a  
25 plate e is mounted. A conical-shaped pin b is mounted in the center of the gas-pillar, with its upper end projecting through a centrally-located circular opening in plate e aforesaid.

The regulator C carries on its lower edge a flange d, passing through openings l, formed  
35 in a cylindrical housing k, screwed onto the pillar a aforesaid, and which housing is adapted to support at its upper portion the lower end of the Bunsen tube h, provided with air-openings i therein.

Secured to the regulator C and extending 40 outwardly and upwardly therefrom is a cylindrical collar g, provided with openings therein adapted to register with openings i aforesaid.

The operation of the invention is clearly 45 obvious. By grasping the flange d the regulator can be easily and quickly revolved, and owing to its screw-thread connection with the gas-pillar is thereby raised or lowered, in consequence of which the opening in plate e 50 through which the gas passes from channels f is opened or closed, owing to the said opening being more or less filled by the pin b. Simultaneously therewith the cylindrical collar moving with the regulator controls the 55 inflow of air through openings i by more or less closing the same.

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

A new and improved regulator for incandescent gas-burners, having a gas-pillar provided with channels therein, a cylindrical-shaped regulator vertically adjustable mounted thereon, a neck in the upper end of said 60 regulator, a plate provided with a central opening in said neck, a conical-shaped pin on said gas-pillar and entering said plate-opening, a Bunsen tube also attached to said gas-pillar a cylindrical collar on said regulator adapted to move therewith and govern 65 the Bunsen-tube openings and a flange on said regulator for easily operating the same.

RICHARD BEESE.

Witnesses:

HERNANDO DE SOTO,  
PAUL ARRAS.