

(No Model.)

H. SHAW.
INCANDESCENT GAS LAMP.

No. 388,727.

Patented Aug. 28, 1888.

FIG 1.

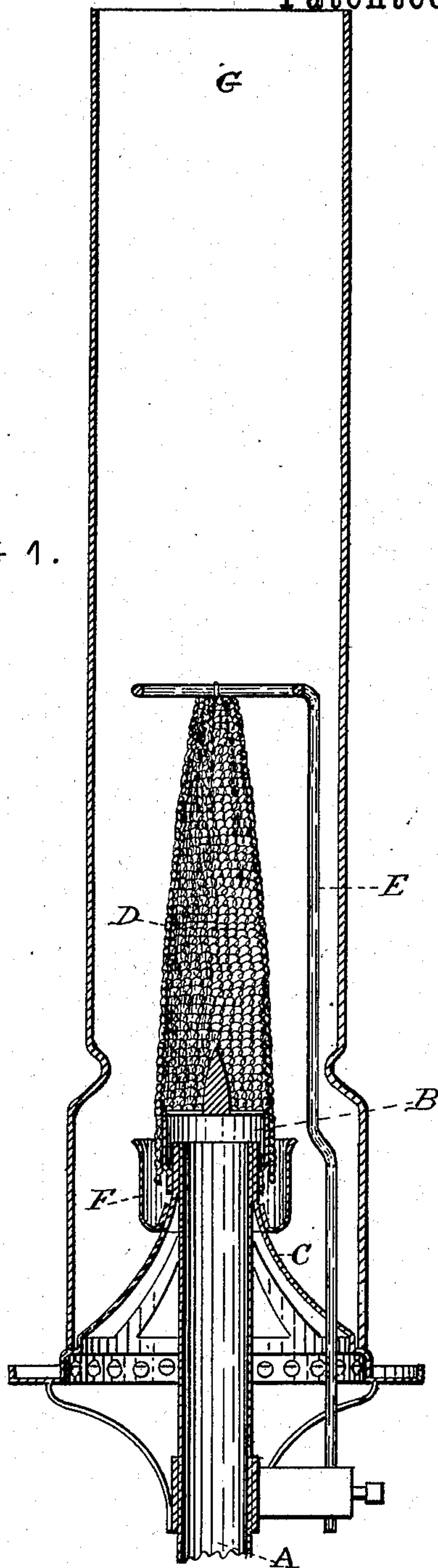
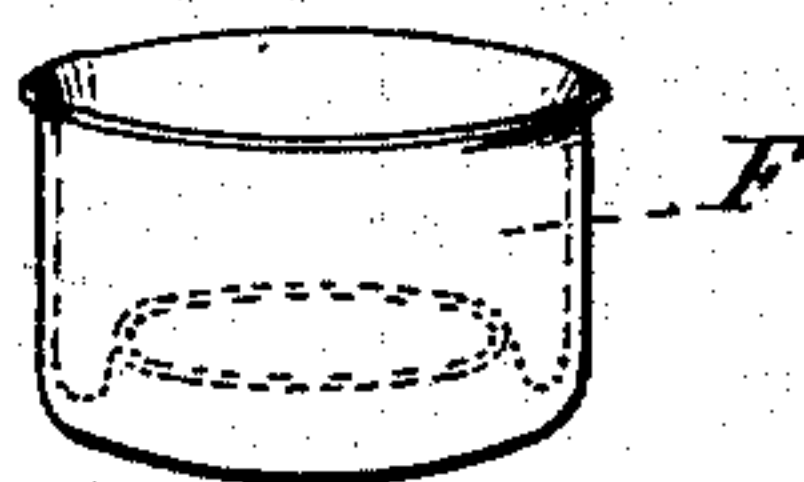


FIG 2.



WITNESSES:

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HENRY SHAW, OF NEW ORLEANS, LOUISIANA, ASSIGNOR TO THE WELSBACH
INCANDESCENT GAS LIGHT COMPANY, OF NEW JERSEY.

INCANDESCENT GAS-LAMP.

SPECIFICATION forming part of Letters Patent No. 388,727, dated August 28, 1888.

Application filed October 22, 1887. Serial No. 253,116. (No model.)

To all whom it may concern:

Be it known that I, HENRY SHAW, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Improvement in Incandescent Gas-Lamps, of which the following is a specification.

The object of my invention is to make a more perfect and complete Welsbach incandescent gas-light.

Hitherto the mantels of vitrified earthy oxides used in that light and which inclose the gas-jet being very fragile are liable to be broken at the lower end when a match or other means of lighting the gas is introduced from below.

My invention consists in a protecting-cup adapted to receive and encircle the lower ragged end of the fragile mantel, so that it may be preserved from fracture by contact with anything introduced from below to light the gas.

In the accompanying drawings like letters refer to like parts.

Figure 1 is a vertical section of the Welsbach incandescent gas-lamp with my improved protector applied. Fig. 2 is a perspective view of my protector.

A is part of a Bunsen burner that conveys the gas. B is the top of the burner. C is the gallery. D is the mantel of vitrified earthy oxides. E is the wire to support the mantel. F is my protecting-cup encircling the mantel. This protector may be made of any

suitable shape, so that it is interposed between the lower end of the mantel and a match or anything else introduced through the gallery C for the purpose of lighting the gas, so that the match or other thing used cannot touch the mantel and fracture its end, which frequently happens when no protector is used.

Fig. 2 shows a perspective view of my protector, which is made preferably of a cup form, but it can be used when made of a circular plate, flat, concaved or convex, or any other form suitable to the purpose. G is the chimney.

I do not claim as new anything shown or described concerning the Welsbach incandescent gas-lamp except the protector and its combination therewith for the purpose specified.

I claim and desire to secure by Letters Patent—

1. In an incandescent gas-lamp, a protecting-cup adapted to receive and protect the lower end of a fragile mantel, substantially as described.

2. The combination of the burner and the incandescent mantel suspended above the burner and having its lower edge below the burner-outlet and the protecting-cup below and surrounding the lower edge of said mantel to shield it from injury, substantially as described.

HENRY SHAW.

Witnesses:

E. A. DUCROS,
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