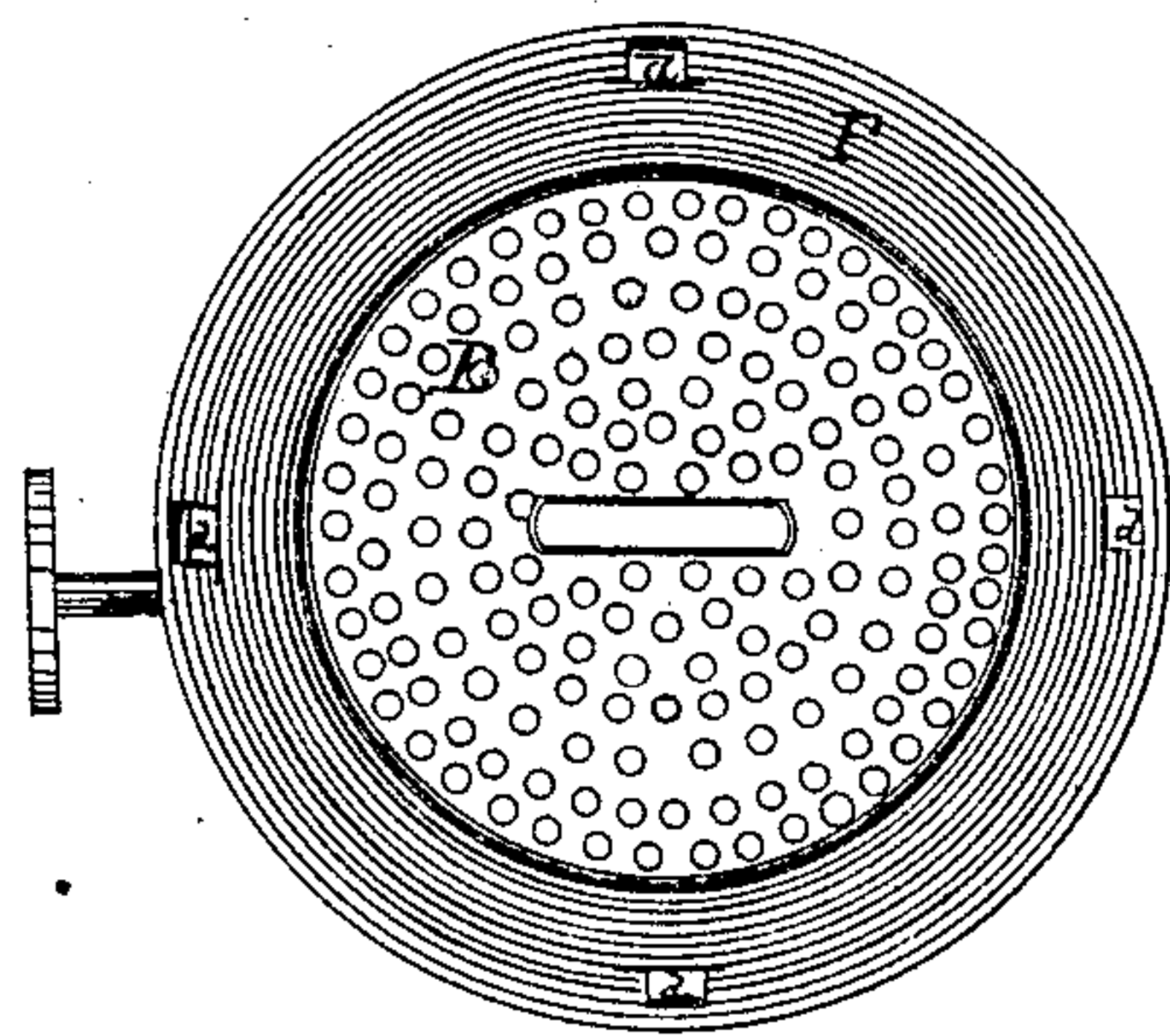
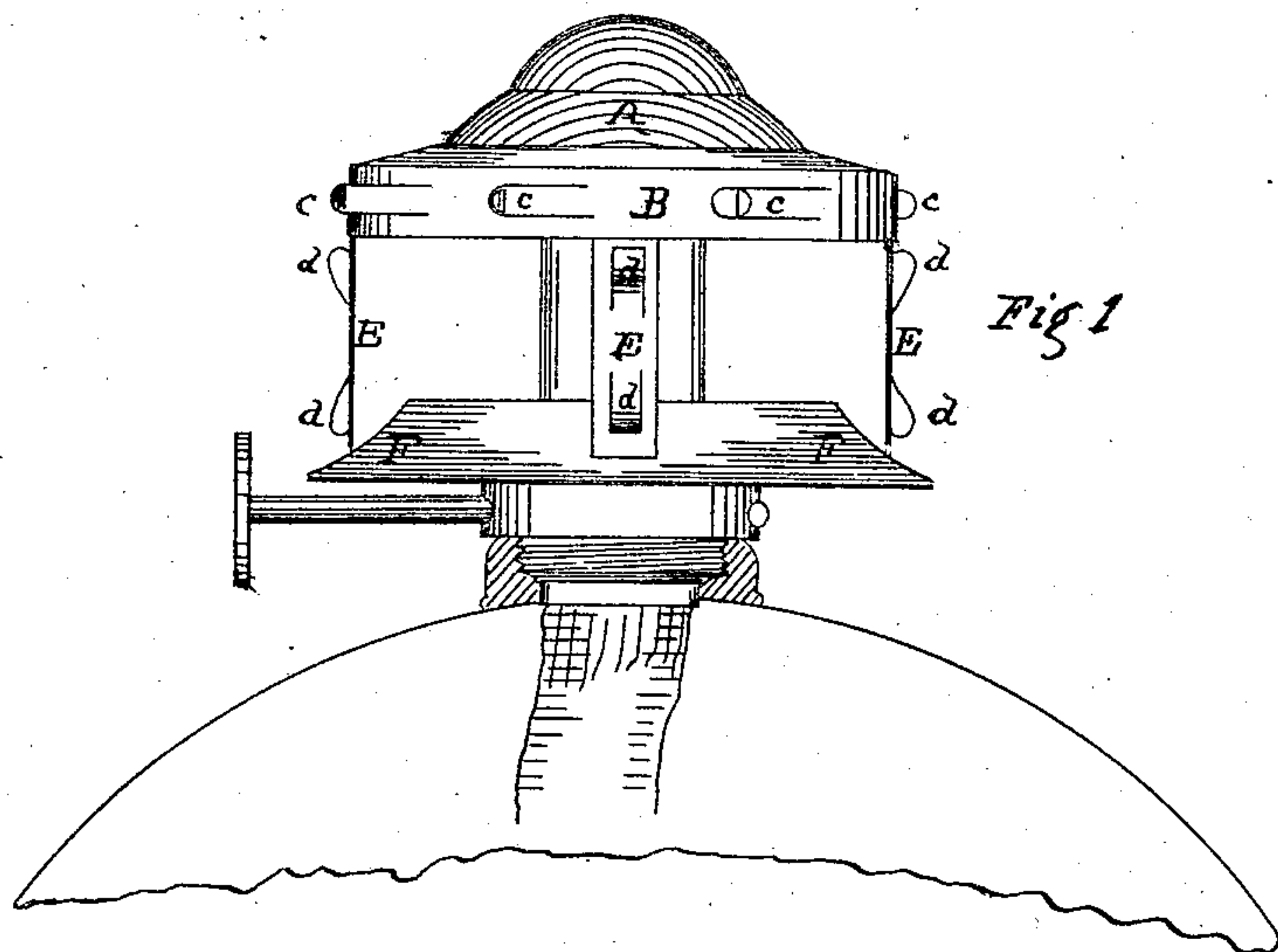


G. J. Caperwell.
Lamp-Burner.

N^o 75363

Patented Mar. 10, 1868.



J. C. Robbins
R. S. Turner

Witnesses.

G. J. Caperwell
Inventor.
W. C. F. Wilson
Attorney

United States Patent Office.

GEORGE J. CAPEWELL, OF WEST CHESHIRE, CONNECTICUT.

Letters Patent No. 75,363, dated March 10, 1868.

IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, GEORGE J. CAPEWELL, of West Cheshire, New Haven county, and State of Connecticut, have made new and useful Improvements in Lamp-Burners; and I hereby declare the following to be a full and exact description of the same, reference being had to the drawings that accompany and form a part of these specifications.

my invention relates to the manner of constructing the burner and forming the springs by which the chimney is held.

Figure 1 is a side elevation of my burner.

Figure 2, top view of the base.

Letter A is the cone, having a narrow rim, B, around it. Around this rim are springs *c c*, formed of the same piece of metal, by cutting a strip longitudinally in the centre of the rim at various points, and turning the end out, as shown in fig. 1. D is the base, with a bevelled concave rim, F. The centre of this base, and extending to the concave part, is completely perforated, to give free access to the air, giving the needed draught to the burner, and serving also to keep the chimney cool. The concave portion of the base is designed to be highly burnished, and will thus act as a reflector to throw the light out from beneath the cone; or, if it is thought more desirable, this rim may be made convex, leaving the outer edge flat for the chimney to rest upon. E E E are standards to support the cone A. On each of these standards are two springs, *d d*, formed of the same piece of metal as the standards, being cut from near each end of the standard towards the centre, and bent into the form shown in the drawings, or any suitable form. These, in connection with the springs C C, hold the chimney very firmly.

With this burner it is calculated to use the straight-sided chimney, and it will be seen that there is space for the air to pass up around the outside of the cone, thereby preventing the chimney from getting so much heated as it otherwise would, the perforations in the base, D, being sufficient to admit more air than those in ordinary use.

Some of the advantages I claim for my invention are the low price and facility with which they can be manufactured, the firmness with which the chimney is held, and the reflection of light from the burnished surface.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a lamp-burner, such as herein described, the rim B and standard E, provided with the springs *c* and *d*, when the latter are constructed and arranged in the manner as herein shown and specified and for the purposes set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE J. CAPEWELL.

Witnesses:

CORNELIA A. CORNWELL,
EDW'D A. CORNWALL.