

G. F. BLAISSE.
Drop-Light Chandelier.

No. 162,889.

Patented May 4, 1875.

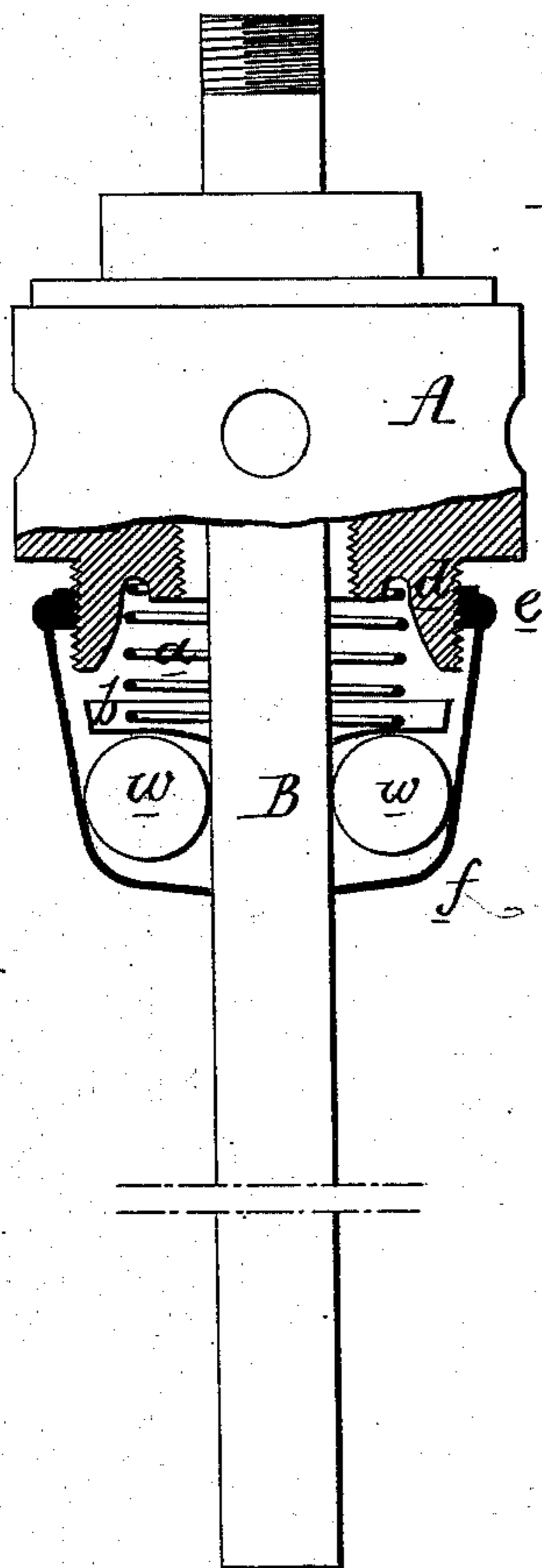


Fig. 1.

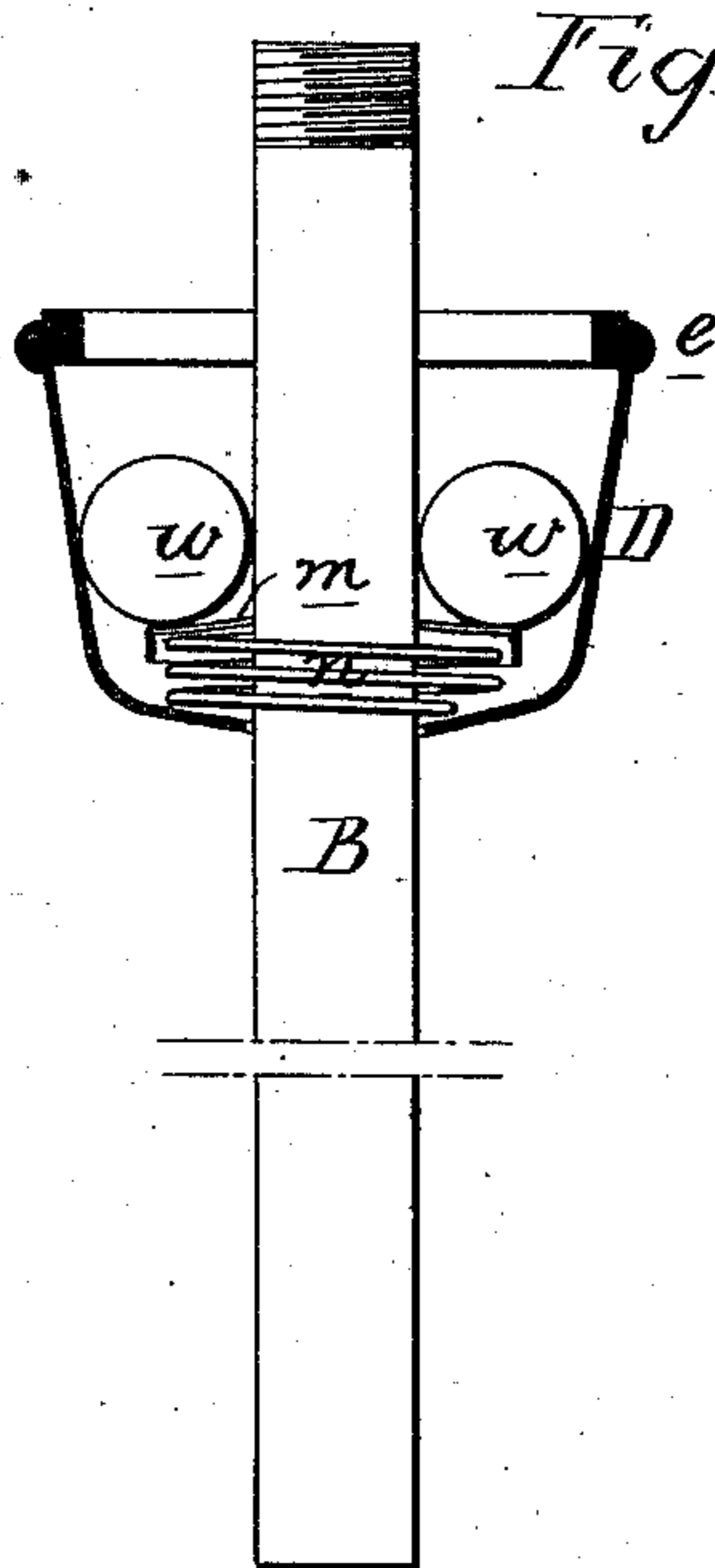


Fig. 3.

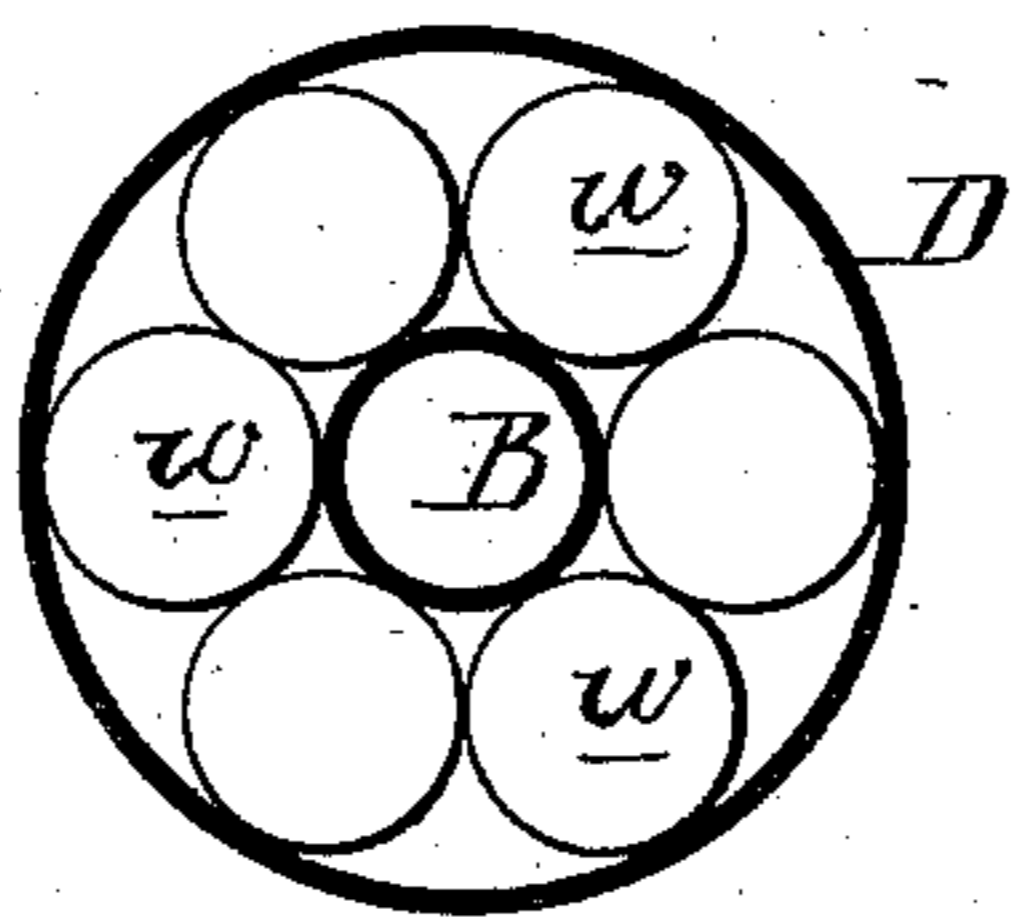


Fig. 2.

Witnesses,

Harry Smith
Hubert Howson

George F. Blaisse
by his Attorneys
Howson and son

UNITED STATES PATENT OFFICE.

GEORGE F. BLAISSE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
BENJAMIN THACKARA, WILLIAM J. BUCK, JOHN H. SOUTHWORTH,
CHARLES THACKARA, AND BYRON H. BUCK, OF SAME PLACE.

IMPROVEMENT IN DROP-LIGHT CHANDELIERS.

Specification forming part of Letters Patent No. **162,889**, dated May 4, 1875; application filed
April 9, 1875.

To all whom it may concern:

Be it known that I, GEORGE F. BLAISSE, of Philadelphia, Pennsylvania, have invented certain Improvements in Drop-Light Chandeliers, of which the following is a specification:

My invention relates to that class of chandeliers which carry, in addition to the ordinary fixed burners, a sliding drop-light burner; and the object of my invention is to combine with the sliding tube a cheap and simple device which will retain the said tube in any position to which it may be adjusted, and permit the lowering of the tube and its attachments by a slight effort, and the raising of the tube with a less effort.

This object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 represents sufficient of the lower portion of a chandelier to illustrate my invention; Fig. 2, a sectional plan on the line 1 2, and Fig. 3 a modification of my invention.

A is a chest or casing attached to the fixed tubes of a chandelier, and to this casing, to which gas is introduced in a manner common to other chandeliers of this class, are attached the branches of the fixed burners. B is the sliding tube carrying the drop-light burner and its attachments. To the under side of the casing A is secured a cup, D, of the tapering form or approximating to the form shown, and between the sliding pipe B and the inclined or curved sides of this cup are lodged a number of spheres, *w*, (six, in the present instance,) of metal, hard rubber, or other suitable

material. These spheres, while permitting the free upward movement of the sliding tube, operating in connection with the tapering cup, prevent the tube from sliding down by its own weight, providing the said cup is not made with too abrupt a taper; but I prefer to cause a spring, *a*, to act on the top of the spheres through the medium of a plate, *b*, the spheres themselves, when at their lowest point, being lodged near the concave portion *f* of the cup. I also prefer to make the cup adjustable, so that the rigidity of the spring, and consequently the retaining effect of the spheres, may be increased or decreased at pleasure, this adjustment of the cup being accomplished by providing it at the top with a screw-ring, *e*, adapted to a threaded annular projection, *d*, of the casing A, so that by turning the cup it may be raised or lowered at pleasure. The spheres may be supported by a yielding plate, *m*, between which and the bottom of the cup intervenes a spring, *n*, as shown in Fig. 3.

I claim as my invention—

1. The combination, substantially as described, of the cup D and its spheres with the sliding drop-light tube B of a chandelier.

2. The combination of the cup, the spheres *w*, spring *a*, and plate *b* with the sliding tube B.

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

GEORGE F. BLAISSE.

Witnesses:

HUBERT HOWSON,
HARRY SMITH.