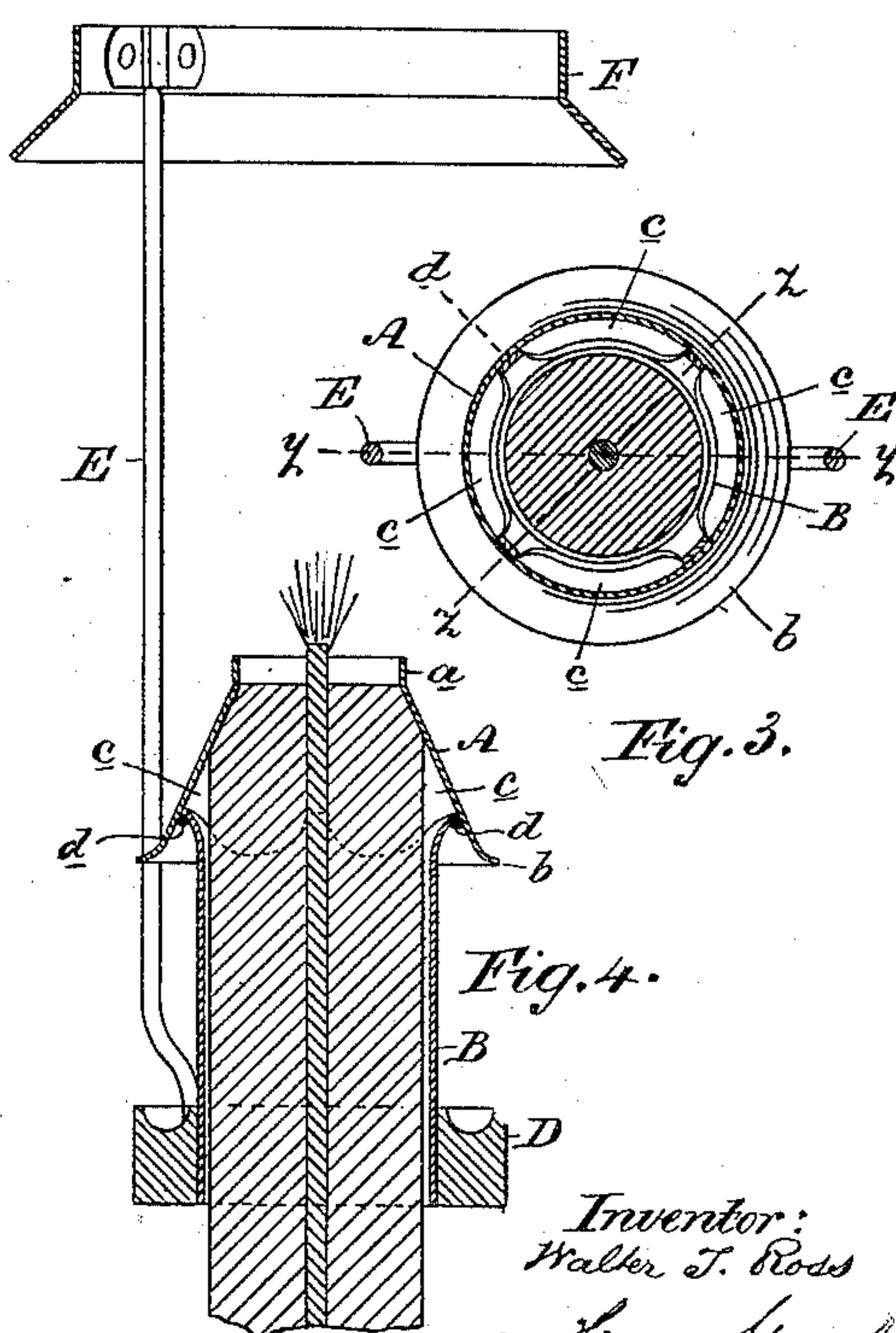
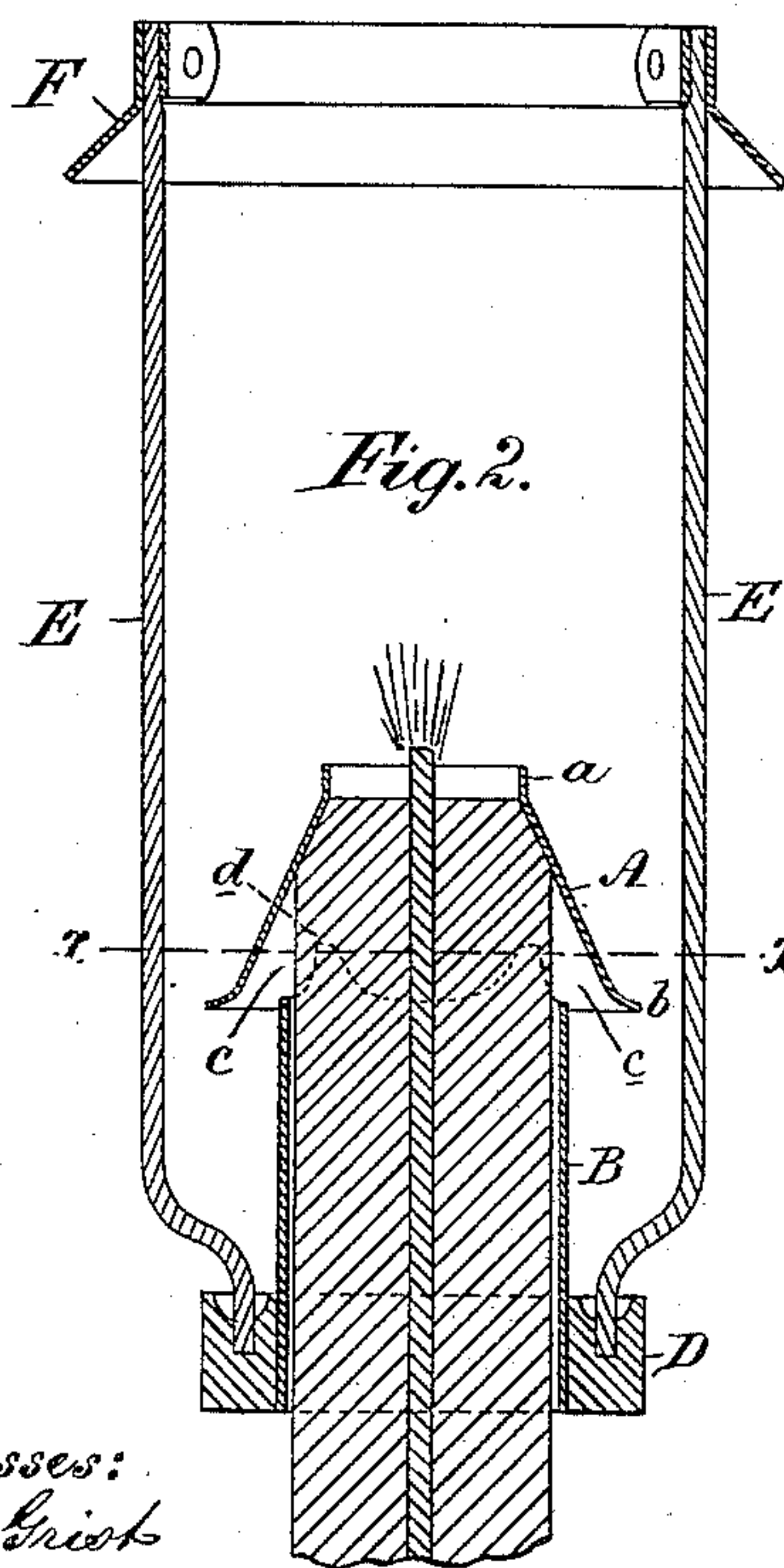
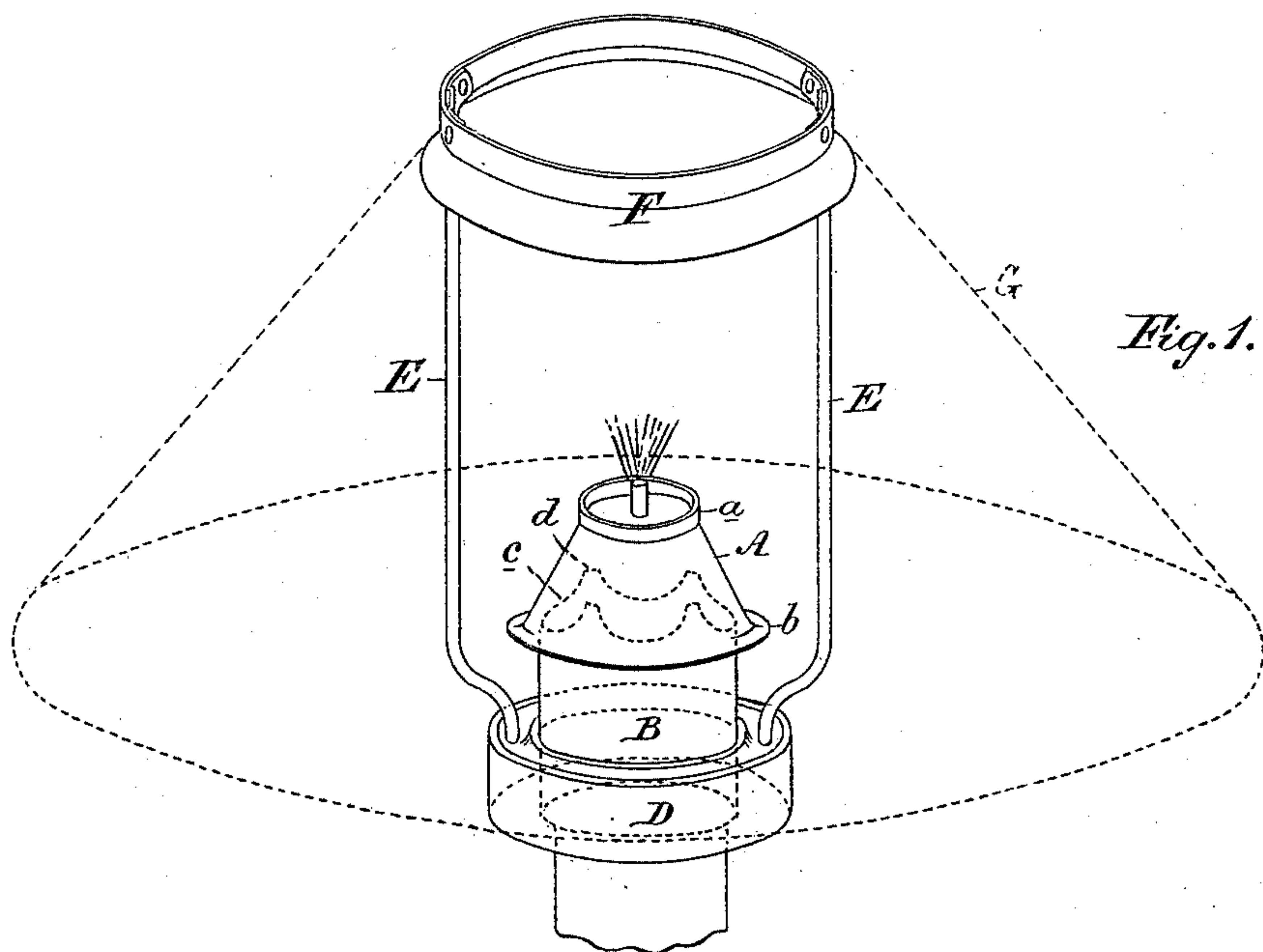


(No Model.)

W. T. ROSS.
CANDLE ATTACHMENT.

No. 432,678.

Patented July 22, 1890.



Witnesses:
John Grist
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Inventor:
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UNITED STATES PATENT OFFICE.

WALTER T. ROSS, OF QUEBEC, QUEBEC, CANADA.

CANDLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 432,678, dated July 22, 1890.

Application filed January 25, 1890. Serial No. 338,112. (No model.)

To all whom it may concern:

Be it known that I, WALTER T. ROSS, of the city and Province of Quebec, in the Dominion of Canada, have invented certain new and useful Improvements in Candle Attachments; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

Figure 1 is a perspective view of my improved candle attachment, as in use, supporting a shade, shown in dotted lines. Fig. 2 is a vertical section of the same on line *y y*, Fig. 3. Fig. 3 is a section on line *x x*, Fig. 2; and Fig. 4 is a section on line *z z*, Fig. 3.

My invention relates to a candle attachment for supporting a shade, and has for its object to prevent the attachment tipping while the candle is burning and to permit of the attachment following the shortening of the candle as combustion progresses.

My invention consists of a truncated hollow cone, a tube terminating within the cone and having openings intervening the cone and tube, a weight surrounding the tube, wires extending upwardly from the weight, and a shade-supporting ring connecting the wires at the top, as hereinafter set forth.

A is a truncated hollow cone, the smaller end surrounded by a wall *a* to confine the melted wax when the cone is seated on the top of the burning candle. The base or lower edge of the cone extends outwardly and forms a flange *b*, which stands off from the tube B.

B is a tube fitting slidingly around the candle, the upper end terminating within the cone, and the top edge scalloped to form openings *c* between the cone and tube, through which openings the candle is exposed to the

outer air, and the atmosphere, passing upwardly between the candle and the tube, is deflected by the inside of the cone through the openings *c*, and the flange *b* of the cone, being offset from the tube, is exposed inside and outside to the atmosphere and keeps the cone below the melting temperature of the candle. The cone and tube are connected at the points *d* between the openings *c* by soldering or other suitable fastening.

D is a weight surrounding the lower end of the tube B to insure gravitation of the attachment to the extent demanded by shortening of the candle when burning, and to said weight is fixed the lower end of two upright wires E E, which are connected at the top by a ring F to support the shade G.

I claim as my invention—

A candle attachment consisting of the tube B, of greater diameter than the candle, so as to leave an annular space between it and the candle, and having the top edge scalloped and connected between the scallops to a truncated cone A, having a vertical wall *a* around the smaller end, the larger end extending below the scallops and offset from the tube, whereby openings *c* are formed between the tube and cone for the downward and outward passage of air ascending between the tube and candle, a flange *b*, exposed inside and outside to the atmosphere to keep the cone cool, and the lower end of the tube provided with an encircling weight D, having upwardly-extending wires E E, supporting a ring F to hold a shade, as set forth.

WALTER T. ROSS.

Witnesses:

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