

No. 682,735.

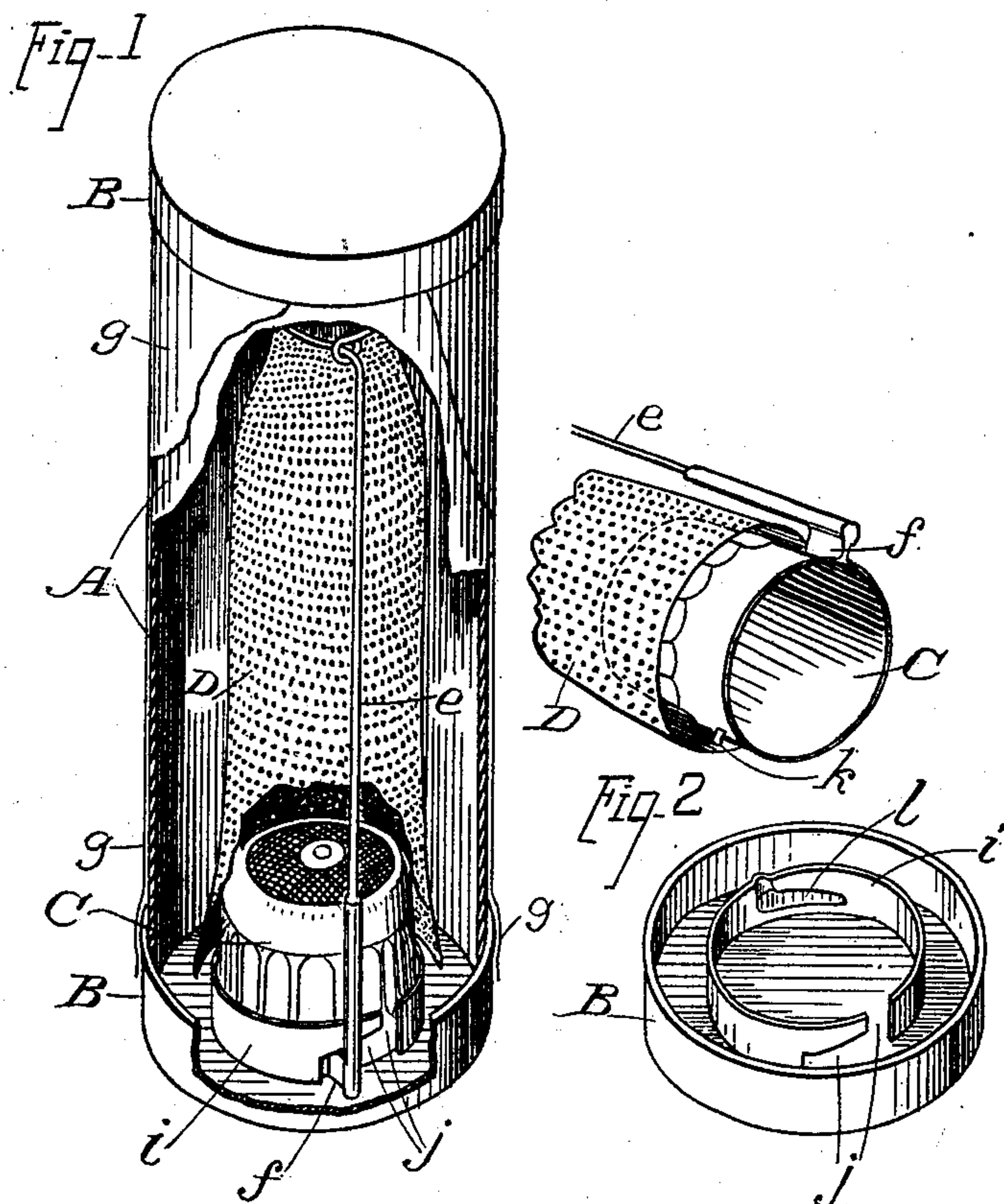
Patented Sept. 17, 1901.

M. McROBERTS.

PACKING CASE FOR INCANDESCENT MANTLES.

(Application filed Aug. 13, 1900.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

MORTIMER McROBERTS, OF SAN FRANCISCO, CALIFORNIA.

PACKING-CASE FOR INCANDESCENT MANTLES.

SPECIFICATION forming part of Letters Patent No. 682,735, dated September 17, 1901.

Application filed August 13, 1900. Serial No. 26,761. (No model.)

To all whom it may concern:

Be it known that I, MORTIMER McROBERTS, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented a certain new and useful Improvement in Packing-Cases for Incandescent Mantles; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

My invention relates to an improved holder and carrier for packing and transporting that class of incandescent mantles in which the mantle is mounted and suspended by a rod from a ferrule which is adapted to be fitted over a gas or other burner without handling the mantle. These mantles thus mounted are secured within a tube, so as to be removed bodily from the tube and placed in position over the burner by handling the ferrule only; and the object of my invention is to provide a means for securing the ferrule when the mantle is inserted in the tube by which the mantle and its attachments can be removed from the tube or case without danger of injuring the mantle; and it consists of a fastening device on the inside of the cover of the case, to which the ferrule of the mantle attachment can be secured, so as to hold the mantle suspended above the cover within the tube. The protecting tube or case is then slipped down over the mantle and its attachments and the cover fitted over the end of the tube or case, thus holding the mantle suspended within the case for protection. This permits the mantle and its attachments to be removed from the case by simply separating the cover from the case and gently lifting the case upward over the mantle without disturbing the mantle.

Referring to the accompanying drawings, Figure 1 represents a perspective view of a tube with a front portion broken away to show the mantle and its mountings fastened to the cap or cover in position inside the tube. Fig. 2 is a perspective view of the interior of the cap or cover and showing the ferrule with its lugs in perspective above it.

Let A represent a paper or other tube of

sufficient length to receive a mantle or other incandescent hood. The ends of this tube are closed by an ordinary cap or cover B, which fits over the ends of the tube. In my invention it is only necessary that one of these caps or covers be removable. It is therefore immaterial what kind of a cover or closing device is used to close the upper end of the tube so long as the removable cap is used at the lower or opposite end; but in practice I shall use a cap of similar construction at both ends and shall preferably seal the cap at the upper end, so that it cannot be readily removed.

The mantle device which it is intended to pack and carry consists of a ferrule or cap C, which fits over the burner and which has suspended over it the mantle D by means of a vertical rod or wire *e*, the lower end of which is connected with the ferrule or cap C by a short shank *f*, the whole forming an integral device which is ready to be fitted upon a gas or other burner. To pack this mantle device within the tube A, I provide the interior bottom of the removable end cap or cover B with a clamp or fastening device in which the ferrule of the mantle-holder can be fitted, so as to hold the mantle in an upright position, so that the open-ended tube can be placed down over the mantle device and the end of the tube slipped inside the flange of the cap or cover. The tube is then wrapped with an adhesive sheet of paper or wrapper *g*, which is pasted over the flange of the cap or cover and holds it securely in place on the end of the tube.

Various devices can be used for fastening the ferrule or cap of the mantle to the inner side of the cover of the box or tube, according to the different styles of constructing and ornamenting the ferrule. The one represented in the drawings is a ring or band *i*, placed vertically and fastened to the bottom of the cover and having a vertical and horizontal slot *j*, like a bayonet-lock, on one side, in which the shank of the mantle-holder enters and is locked, while a lug or projection *k* on the opposite side of the ferrule enters a similar-shaped depression *l*, made in the metal of the ring. In this way I provide a socket-seat which receives the ferrule and locks it

in position, so that the mantle and its stand-
ard are held in a firm upright position from
which they can be easily removed.

When the mantle is to be removed, the sur-
5 rounding wrapper is cut close to the edge of
the flange of the cover and the tube is lifted
off the mantle, after which the removal of
the mantle is a simple operation. By this ar-
rangement the mantle can be removed with-
10 out injury.

Having thus described my invention, what
I claim, and desire to secure by Letters Pat-
ent, is—

A packing-case for incandescent mantles
15 comprising a case; a cap or cover for the end
of the case having an exterior flange adapted

to pass over the outside end of the case; a
circular flange secured to the inside bottom
of the cap or cover and adapted to receive
the end of the ferrule of the mantle-holder 20
inside the flange; one or more locking-notches
in the circular flange and one or more pro-
jections on the ferrule adapted to enter and
lock into the notches in the flange, and a
sealing-strip on the outside of the packing- 25
case overlapping the flange of the cap or cover,
substantially as described.

In witness whereof I have signed my name.

MORTIMER McROBERTS.

Witnesses:

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