No. 616,548. Patented Dec. 27, 1898.

S. MASON.

MEANS FOR TRANSPORTING WELSBACH OR OTHER INCANDESCENT MANTLES.

(Application filed Nov. 12, 1897.)

(No Model.)

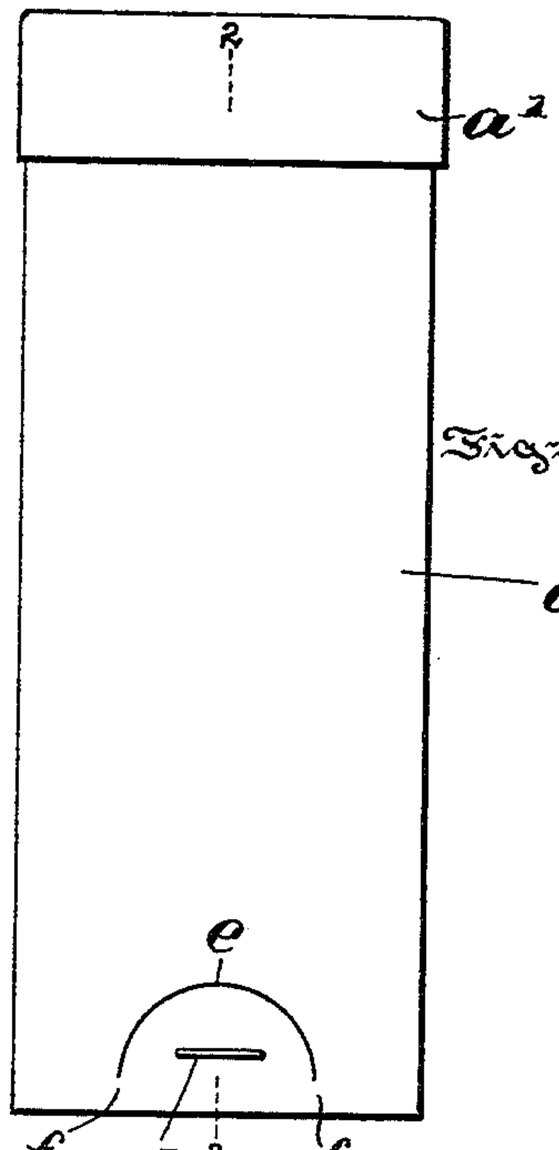

Fig. 1.

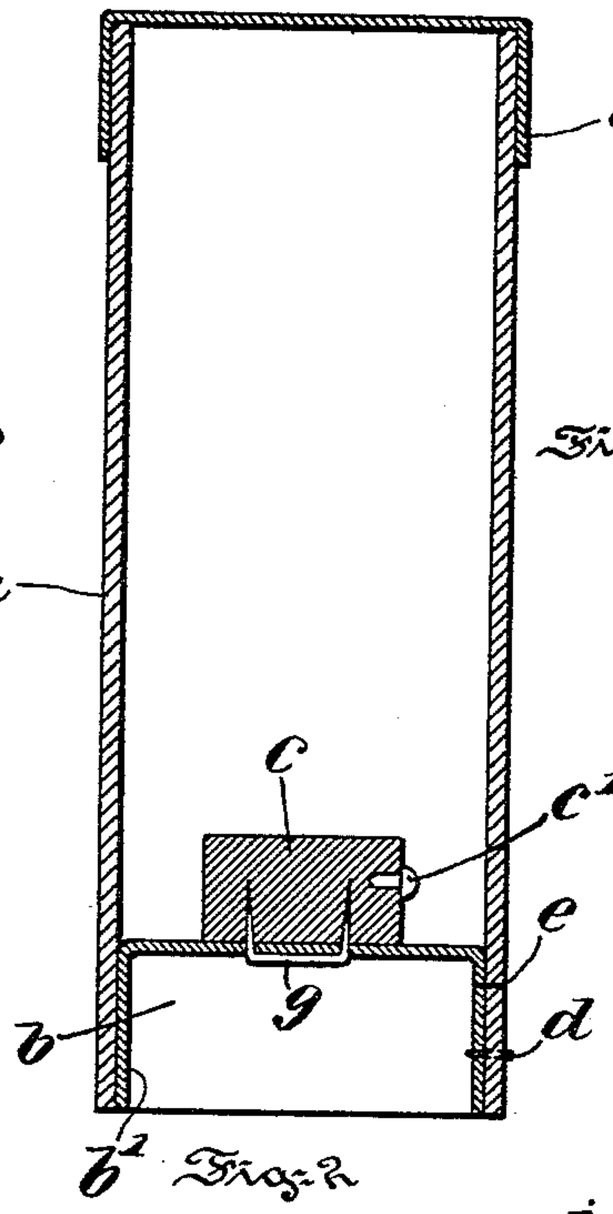

Fig. 2.

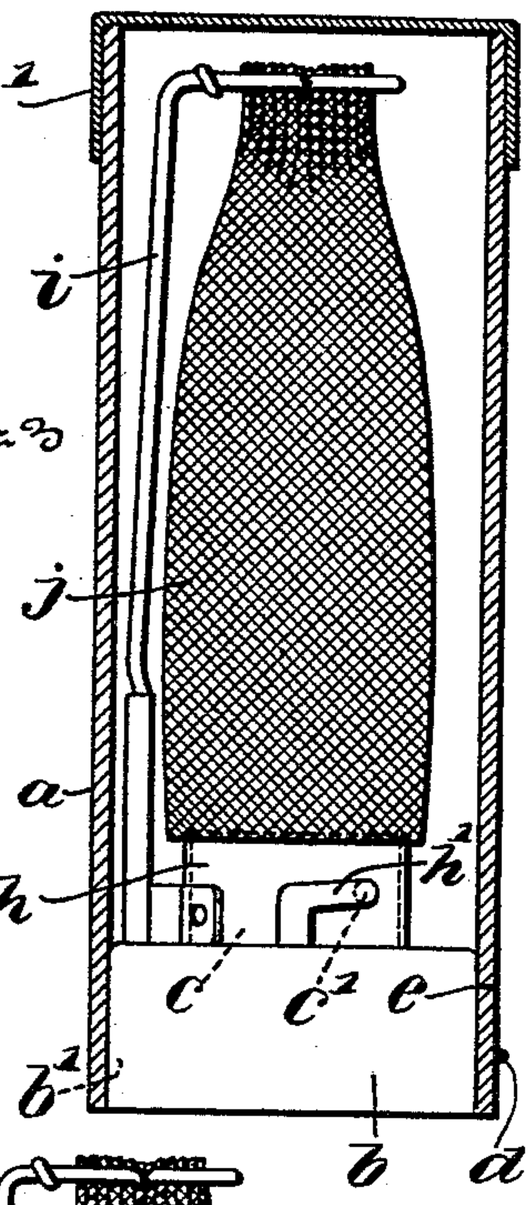

Fig. 3.

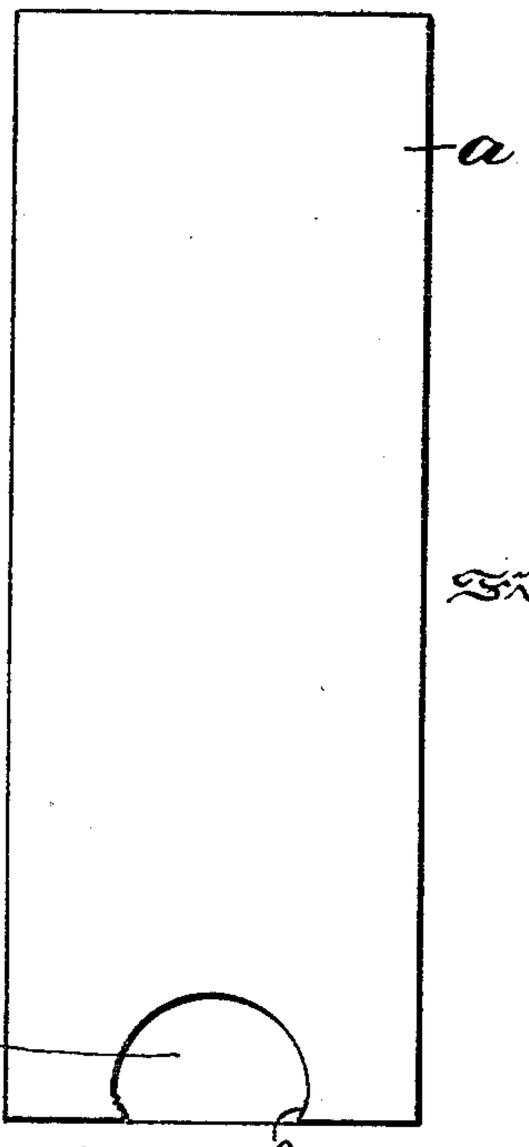

Fig. 4.

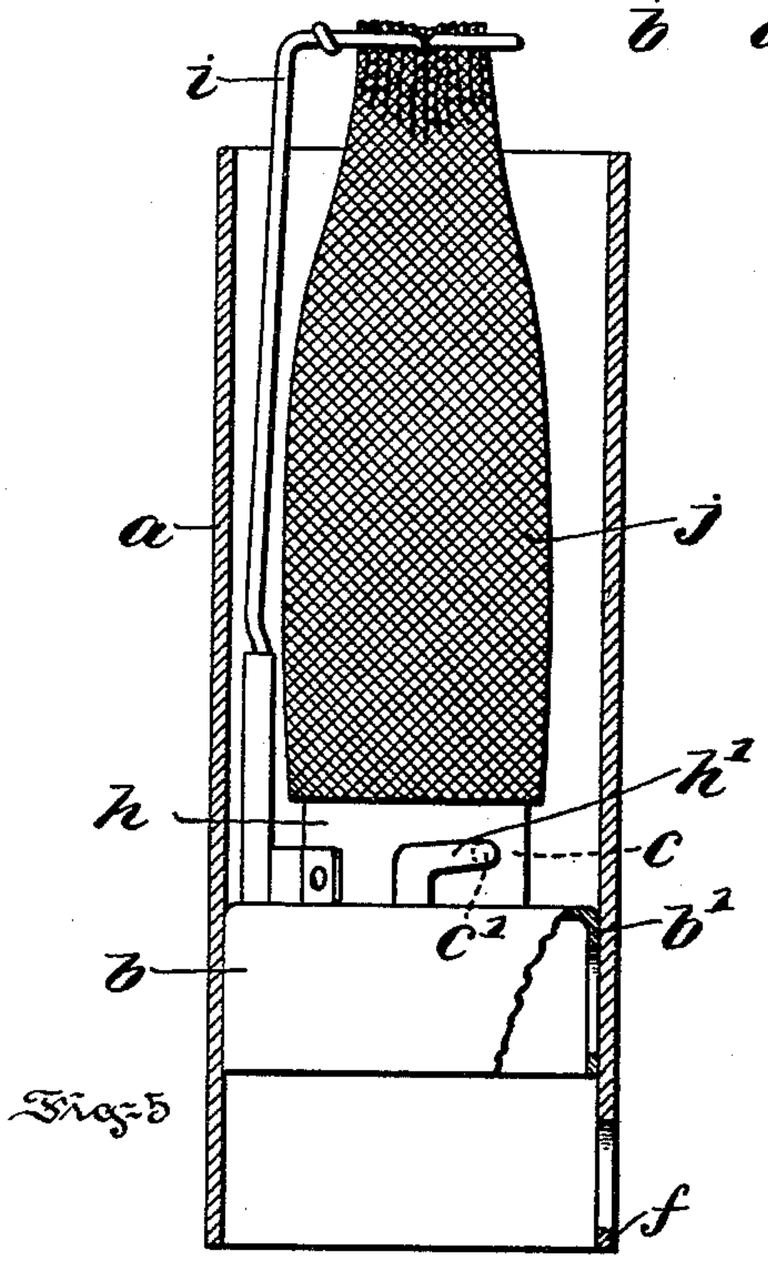

Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

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MEANS FOR TRANSPORTING WELSBACH OR OTHER INCANDESCENT MANTLES.

SPECIFICATION forming part of Letters Patent No. 616,548, dated December 27, 1898.

Application filed November 12, 1897. Serial No. 658,285. (No model.)

To all whom it may concern:

Be it known that I, SIDNEY MASON, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Means for Transporting Welsbach or other Incandescent Mantles, of which the following is a specification.

Objects of my invention are to simplify the packing, to avoid breakage in transit, and to facilitate the unpacking of Welsbach and other incandescent mantles.

To these ends my invention comprises the improvements hereinafter described and claimed.

The nature, characteristic features, and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part thereof, and in which—

Figure 1 is an elevational view of means embodying features of my invention. Fig. 2 is a sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a sectional view illustrating the mantle or hood in place, and Figs. 4 and 5 are respectively an elevation and a sectional view illustrating the unpacking operation.

In the drawings, *a* is a shell, tube, or carton. *b* is a plug movably and detachably adapted to the interior of the tube, casing, or shell. The plug *b* is provided with a seat or post *c*, adapted to a mantle-carrier in such manner that it serves to support the latter. There are means for preventing accidental movement of the plug in respect to the casing or shell, which means are constructed to permit of the ready release of these parts when the mantle is to be unpacked. The casing and plug are connected together, as by a clenched staple *d*. To facilitate the separation of these parts, they are scored or perforated near the staple—for example, as at *e*. The portions *f*, which are not so scored, serve to insure connection between the parts. The plug *b* is drawn or flanged, and this flange *b'* not only accommodates the staple, but also guides the plug. The seat or post *c* is secured to the plug—for example, by double-pointed tacks *g*—and is provided with a catch, as *c'*, adapted to engage the mantle-carrier. The mantle-carrier itself forms no part of the present invention except in so far as the post *c* and catch *c'* are adapted to it. In the accompanying drawings I have illustrated the type of mantle-carrier which is described and claimed in an application, Serial No. 658,268, filed by John Goss and myself on the 12th day of November, 1897. It consists of a collar *h*, which may be a part of a detachable burner-cap and which carries the support *i* and its mantle *j*. As shown, the collar *h* is provided with a part *h'* of a bayonet-joint. Having thus referred to the construction of the parts of the mantle-carrier, I may state that the seat or post *c* is constructed so as to fit into the collar, and consequently is shown as round, and the catch *c'* is arranged to take into the grooved or slotted part *h'* of the bayonet-joint. Of course the shape and construction of the seat and catch can be varied to accommodate them to other types of collars and mantle-carriers.

In packing the collar *h* is fitted to the post *c*, and the mantle-support *i* with its mantle *j* are connected with it. The carton, tube, or casing is then lifted over and onto the plug *b*, the lid *a'* being properly placed in position. The device is then presented to a machine which inserts and clenches the staple *d* and also effects the perforation, scoring, or punching *e*. In unpacking the lid *a'* is removed and the staple and pieces that adhere to it are broken loose, as shown in Fig. 4. This operation is facilitated by the punching or scoring designated *e*, and results in detaching the plug from the casing. The plug together with the mantle and mantle-carrier are then pushed up, as shown in Fig. 5, by means of any suitable object which can be inserted through the open end of the casing until the collar can be readily taken hold of and released from the part *c*. During this operation the flange *b'* guides the mantle.

The described means for packing mantles possess advantages in addition to those mentioned. For example, both ends of the casing or tube are closed and the mantle-carrier is firmly attached to the plug and the latter to the casing, so that the mantle cannot be accidentally broken by contact with the interior walls of the box.

It will be obvious to those skilled in the art to which my invention appertains that

modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth, and illustrated in the accompanying drawings; but,

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. Means for transporting Welsbach and other mantles, hoods or incandescents comprising a casing, a plug fitted to move within the same and adapted to carry the mantle, hood or incandescent, and means for detachably connecting the plug and casing, substantially as described.

2. Means for transporting Welsbach and other mantles, hoods or incandescents comprising a casing. a plug fitted to move within said casing and provided with means for detachably supporting the hood, mantle or incandescent, and a cover or lid, substantially as described.

3. Means for transporting Welsbach and other mantles, hoods or incandescents comprising a casing, a flanged plug fitted to move in said casing and constructed to carry the hood, mantle or incandescent, and means for connecting the flanged part of the plug with the casing, substantially as described.

4. In combination a casing slotted as described, a movable plug constructed to carry a mantle and provided with a slotted flange, and means adjacent to said slotted portions for connecting the casing and flanged portion of the plug, substantially as described.

5. In combination a plug and a casing secured together and slotted or punched near the connected parts to permit of their removal, substantially as described.

6. In combination a mantle-carrier, a plug provided with a catch adapted to engage the mantle-carrier, and a casing or tube adapted to receive said plug, substantially as described.

7. In combination a mantle-carrier, a plug provided with a seat and catch adapted to the mantle-carrier, and a casing adapted for the reception of the plug, substantially as described.

8. Means for transporting Welsbach and other mantles, hoods or incandescents comprising a casing or tube, a flanged plug fitted to move in said tube, a seat and a catch applied to said plug, and provisions comprising a clenched staple and a perforation for detachably connecting the plug and casing, substantially as described.

In testimony whereof I have hereunto signed my name.

SIDNEY MASON.

In presence of—

W. J. JACKSON,

A. B. STOUGHTON.