

C. M. BRANDT.
MANTLE RETAINER.
APPLICATION FILED JULY 8, 1912.

1,061,659.

Patented May 13, 1913.

Fig. 1.

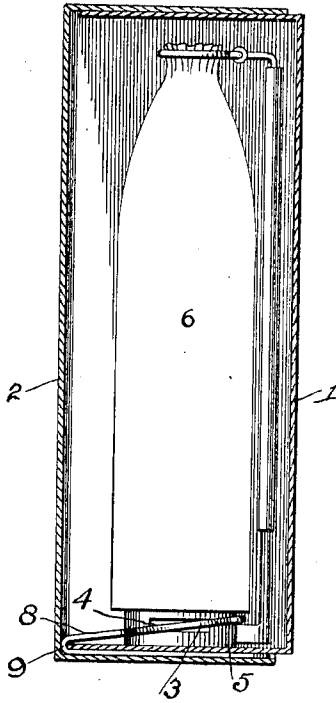


Fig. 2.

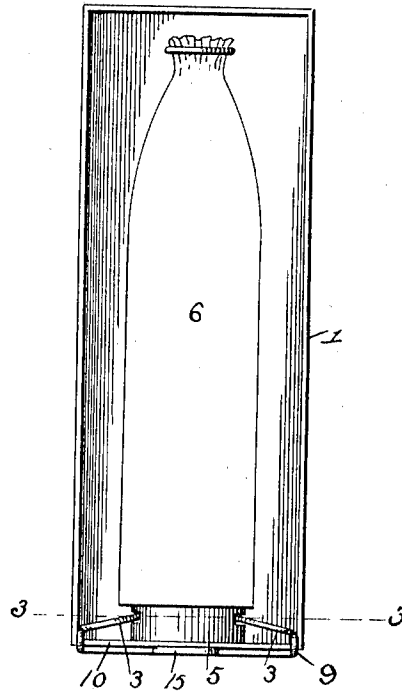


Fig. 3.

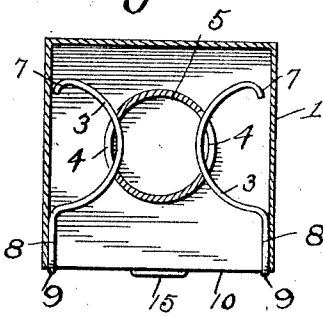
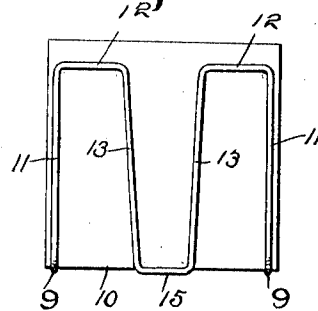


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES M. BRANDT, OF HOLMES, PENNSYLVANIA, ASSIGNOR OF TWENTY-FIVE AND ONE-HALF ONE-HUNDREDTHS TO ALFRED B. WILLOUGHBY, OF PHILADELPHIA, PENNSYLVANIA.

MANTLE-RETAINER.

1,061,659.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES M. BRANDT, a citizen of the United States, residing at Holmes, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Mantle-Retainers, of which the following is a specification.

This invention relates to mantle retainers, designed for the purpose of holding fragile gas mantles firmly and securely in the carton in which they are shipped and sold, and one of the principal objects of the invention is to provide a resilient wire clasp, which can be quickly attached to the base of the mantle and when the mantle is inserted in the carton the clasp will engage the bottom wall of the carton in a manner to prevent any movement of the mantle relatively to the carton.

Another object of the invention is to provide improved means for permitting the insertion of the mantle and clasp in the carton and to facilitate the removal of the same.

Still another object of the invention is to simplify the construction of mantle holders and at the same time to render the same more convenient, reliable and efficient in use.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which—

Figure 1, is a view in elevation of the mantle and the retainer, the carton being shown in vertical section. Fig. 2, is a view in elevation taken at right angles to Fig. 1, with the cover of the carton removed. Fig. 3, is a sectional view of the carton taken on the line 3—3 of Fig. 2, looking in the direction indicated by the arrow. Fig. 4, is a bottom plan view of the carton with the retainer connected to the bottom thereof.

Referring to the drawing the numeral 1 designates the carton and 2 is the cover therefor. As shown, this carton is rectangular in cross-section, this being the most approved form, since it facilitates packing for shipment and is advantageous for the reason that a rectangular carton will not roll when laid upon its side.

The mantle retainer, forming the subject-matter of this application, comprises a resilient wire clasp, having oppositely disposed curved mantle-retaining members 3, which are adapted to engage the slots 4, in

the opposite sides of the metal base 5, of the mantle 6. The terminal ends of the curved members 3, are bent as at 7 to provide guards to assist in preventing lateral movement of the mantle, relatively to the carton. Extending from the curved members 3 are the parallel spaced portions 8, which bear against the sides of the carton to prevent the movement of the mantle when in proper position in the carton. Each of the portions 8 terminates in a sharp bend 9, these bends engaging the front edge 10, of the carton. From the bends 9 the parallel arms 11, extend backwardly or inward at the bottom outside of the carton. The arms 11 are provided with inwardly extending members 12, and from these members the forwardly extending portions 13 project toward the front of the bottom wall of the carton, where they are joined together by a finger hold 15.

The retainer is first attached to the base 5, of the mantle by pushing the spring members 3 until they snap into the slots 4. By grasping the finger hold 15, the members 11, 12, 13 are pushed under the bottom of the carton, while the mantle is pushed inside. Owing to the resiliency of the members of the retainer, the mantle is held firmly connected to the bottom of the carton, while the guards 7, 8, prevent lateral movement and the bends 9 prevent backward movement of the mantle in the carton. Whenever it is desired to remove the mantle, the finger-hold 15 is grasped and the mantle is readily withdrawn.

From the foregoing it will be obvious that my retainer may be formed from a single piece of spring wire of the required gage at slight cost; that the device is strong, durable and efficient for its purpose, and may be used many times.

I claim:

1. A spring mantle retainer clasp comprising curved spring members for engaging the base of a mantle, side guards extending from said spring members, parallel members spaced from the guards and in vertical alinement therewith, said parallel members being connected to the side guards by bends, and a finger-hold disposed centrally between the parallel members and connected thereto.

2. A spring wire mantle retainer clasp comprising resilient mantle-engaging members, guards extending from said members, spaced parallel members connected to said
5 guards by bends, members extending inwardly from said parallel members, forwardly extending portions connected to said inwardly extending members, and a finger-

hold connecting said forwardly extending portions.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES M. BRANDT.

Witnesses:

ALLAN ROBERTSHAW,
BERNARD MCGINTY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."