

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

1,061,812.

Patented May 13, 1913.

FIG. 1.

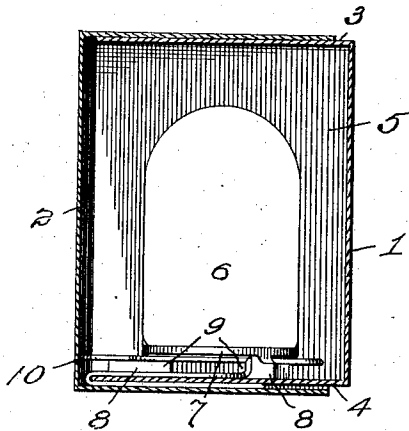


FIG. 2.

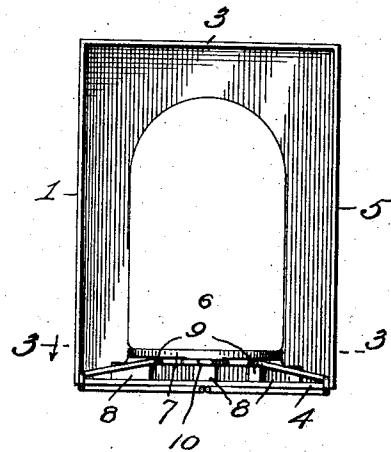


FIG. 3.

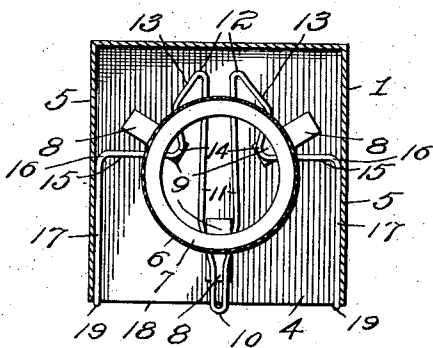
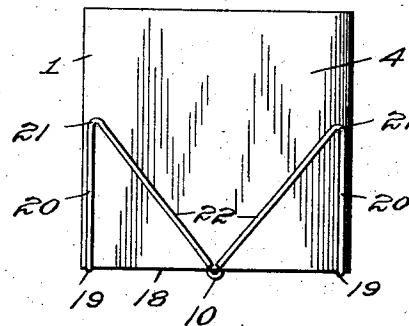


FIG. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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MANTLE-RETAINER.

1,061,812.

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, and one of the principal objects of the invention is to provide reliable and efficient means of simple construction which will firmly hold a gas mantle in a carton to prevent breakage by the ordinary shocks and jars to which these mantles are subjected in shipping and handling.

My present invention is designed for the purpose of holding a mantle for an inverted gas light and since the mantles of this type are provided with a base ring and radially extending feet, a special form of retainer must be provided.

Another object of my invention is to provide a resilient wire clasp having means for attaching the same directly to the mantle and spring members for clasping the mantle to the carton, means being also provided for readily inserting and removing the mantle from the carton.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing in which:

Figure 1 is a view in elevation of the mantle and the retainer in place in a carton, the latter being shown in vertical section. Fig. 2 is also a view in elevation taken at right angles to Fig. 1, with the cover of the carton removed. Fig. 3 is a sectional view 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 a carton of rectangular cross-section, and 2 is the cover therefor, while 3 is the top, 4 the bottom and 5 the sides of said carton. The mantle 6, of the type shown, is designed for use with inverted gas burners, and is provided, as usual, with a base ring 7, having integral radially projecting feet 8. The feet 8 have inwardly projecting lugs 9.

The retainer which forms the subject-matter of this application, comprises a spring wire clasp made from a single piece of material, bent at a central point to provide a finger-hold 10. From this point parallel members 11, project inwardly and are bent at 12, and the wire continued to form the curved mantle retaining members 13, having the inwardly extending recesses 14 for engaging the lugs 9. From the recesses 14 outwardly extending portions 15 are joined by the bend 16 with the parallel guards 17, which are adapted to bear against the inside of the side walls of the carton. These guards 17, extend to the front edge 18, of the bottom, where they are bent at 19 and from this point the parallel engaging members 20 extend backward and are joined by the bend 21 to the spring members 22, having their terminal ends at a substantially central point, under the bottom of the carton.

The manner of connecting the clasp to the mantle may be briefly described as follows: The parallel members 11, are inserted one upon each side of one of the lugs 9, and pushed until the recesses 14, spring over the other two lugs 9. The retainer is then firmly connected to the mantle. By grasping the finger-hold 10, the mantle is pushed into the carton, with the parallel guards 17 bearing against the inner sides of the side walls 5, of the carton, while the bends 19 engage the front edge of the bottom 4. The members 20 and the spring members 22 press slightly upward against the bottom 4, thus holding the mantle firmly in place in the carton. To remove the mantle the finger-hold 10, is grasped and the mantle and clasp are readily withdrawn.

It will be apparent from the foregoing that my invention may be manufactured at low cost, can be quickly connected to the mantle and readily inserted in the carton. When thus inserted the ordinary shocks and jars to which the mantle is usually subjected are absorbed and rendered practically nil.

I claim:

A mantle retainer comprising parallel centrally disposed spring members for engaging one of the feet at the base of a mantle, said members having a projecting finger-

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hold, curved spring recessed members connected to the parallel members for engaging the other feet of the mantle and for holding the mantle and retainer firmly connected, guards extending from the recessed members for bearing against the inner sides of the carton, and spring arms connected with the guards and vertically spaced

therefrom for engaging the center of the outer surface of the bottom of the carton. 10

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

CHARLES M. BRANDT.

Witnesses:

BERNARD MCGINTY,
G. W. P. BROCK.

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