Nov. 20, 1923. 1,475,071

M. A. LAIRD

MANTLE SHADE

Filed July 31, 1922 2 Sheets-Sheet 1

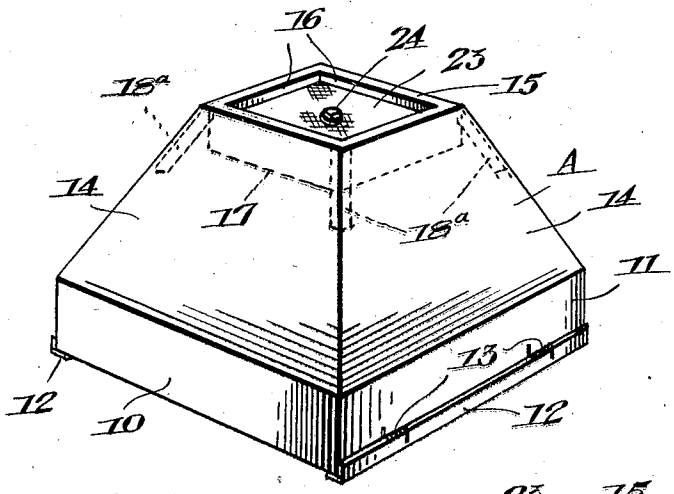


Fig. 1.

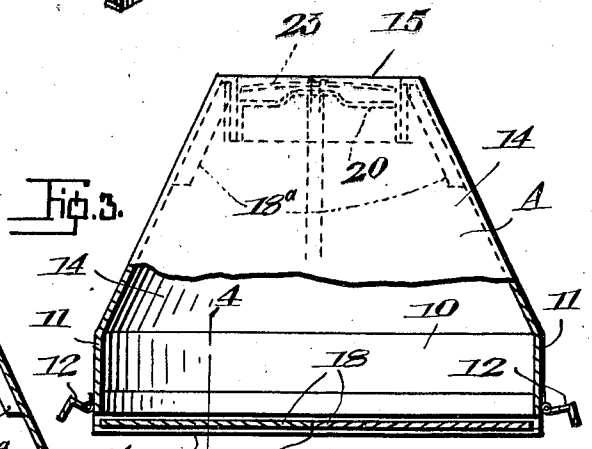


Fig. 3.

Fig. 4.

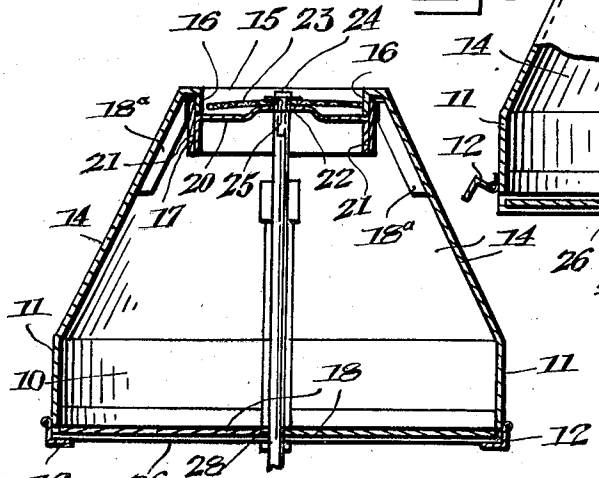


Fig. 2.

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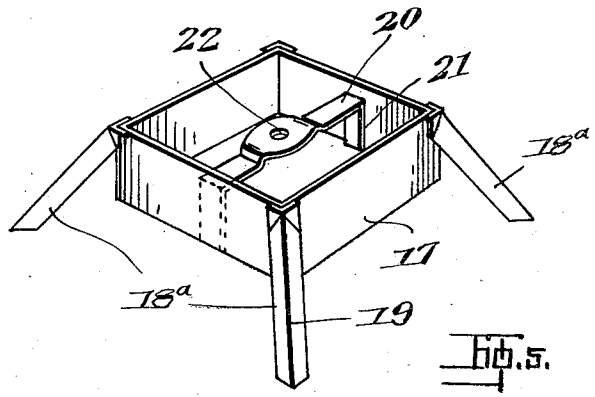


Fig. 5.

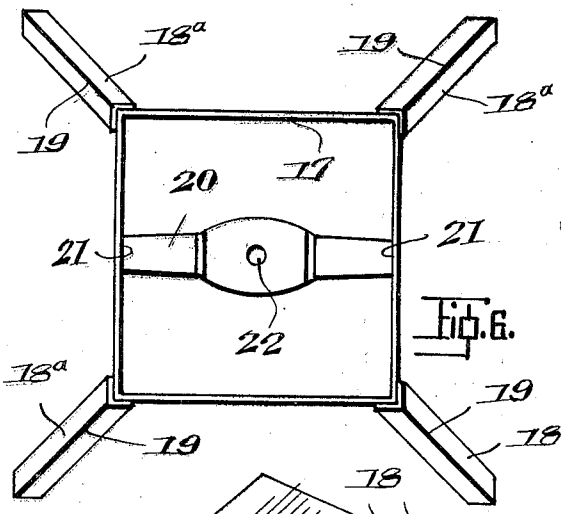


Fig. 6.

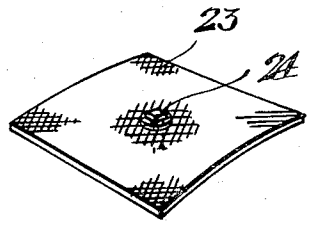


Fig. 7.

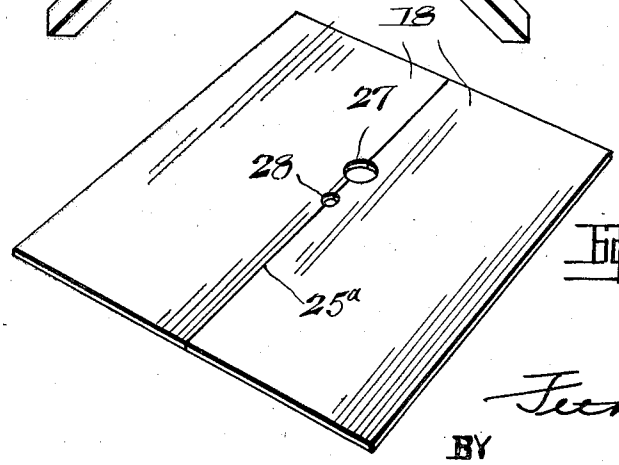


Fig. 8.

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Patented Nov. 20, 1923. 1,475,071

UNITED STATES PATENT OFFICE.

MILDRED ALICE LAIRD, OF RENOWN, SASKATCHEWAN, CANADA.

MANTLE SHADE.

Application filed July 31, 1922. Serial No. 578,729.

To all whom it may concern:

Be it known that I, MILDRED ALICE LAIRD, a subject of the King of Great Britain, and a resident of the town of Renown, in the Province of Saskatchewan and Dominion of Canada, have invented certain new and useful Improvements in Mantle Shades, of which the following is a specification.

This invention relates to improvements in mantle shades, and more particularly to that class of shade known as the duplex shade for Coleman or any other kind of lamp.

The objects of the invention are to provide an efficient and economically constructed shade of this character that will combine with an artistically harmonious appearance all the functions of a protector for the mantles against flies, moth and draughts.

With the foregoing and other objects in view, the invention consists essentially in the novel construction and arrangement of parts hereinafter more fully described in the accompanying specification and illustrated by the drawings.

Referring to the drawings, in which like characters of reference indicate corresponding parts in each figure, and in which:

Figure 1 is a perspective view of the shade.

Figure 2 is a vertical section with side openings, closed.

Figure 3 is a similar view with the side openings or doors, open.

Figure 4 is a section on the line 4—4 of Figure 3.

Figure 5 is a perspective view of the top of the shade holder.

Figure 6 is a plan view.

Figure 7 is a perspective view of the screen for the top of the shade.

Figure 8 is a perspective view of the protectors designed to cover the bottom of the shade inside.

In the drawings;

A represents the shade as a whole of any suitable material and shape, and here shown made square with bronze metal or nickel framing and base comprising two pairs of sides 10 and 11. The sides 10 are made plain and can be constructed of glass or any suitable material, while the other two sides 11 are formed with longitudinal openings therein provided with doors 12 on spring hinges 13, the bottom line of the sides being the centre of the hinge. These doors 12 are designed to admit therethrough protectors 18 hereinafter more fully referred to.

14 designates the four-sided roof tapering upwardly from the base or bottom sides 10 and 11 to terminate in a hollow top or crown 15 formed of metal and provided with bent walls 16 designed to fit over a holder member 17. This holder 17 is made preferably of steel and is provided with legs 18^a at each corner, the legs being bent in the centre at 19 to fit the corners of the shade A.

Below the top of the holder 17 is a cross-piece 20, preferably of steel, bent downwardly at right angles at each end to fit the sides of the holder at 21. 22 is a centre aperture in this cross-piece 20 to fit on a lamp. 23 is a screening member adapted to fit inside the holder 17 and provided with securing means 24 including a bolt and a washer having an aperture 25 adapted to have screwed therein the lamp hanger.

The protectors 18 comprise a piece of suitable material centrally divided at 25^a into two equal portions designed to be inserted separately through the side doors 12 to close the bottom of the shade A and so complete the protection from moths, flies or draughts, etc. These protectors are designed to be supported in position within the shade A on supports or tracks 26 arranged on all the four sides 10 and 11 on the inside. They are also adapted to form central apertures 27 and 28 therein designed respectively to permit the passage therethrough of an air pipe and a generator pipe for the generator.

From the foregoing, it will be seen that I have invented a moth, fly and draught-proof mantle shade, the features of which are the side doors 12 in the base of the shade provided with spring hinge doors designed for the insertion therethrough of the protectors or bottom closing members 18 which are adapted to fit snugly on the supports 26 arranged around the inside of the shade, thereby, in combination with the top screen member 23, protecting the lamp within the shade from moths, flies and draughts.

What I claim as my invention is:

1. A shade of the character described comprising a frame tapered upwardly from the base to form a hollow top, a holder for the frame provided with extending legs adapted to fit the frame, a cross-piece for said holder formed with a central aperture therein, side openings in the base of the

frame registering with one another and provided with spring hinged doors, means for closing the bottom of the frame comprising a split bottom member designed to be inserted separately through said side openings, and means for supporting said bottom member in position within the frame, and screen means provided with apertured securing means for the holder.

2. A device of the character described, comprising a frame, a holder and screening means in the holder whereby the frame top is closed, and means for closing the bottom of the frame, comprising a member suitably supported within the frame, and means in the frame for inserting said member therethrough, and means for automatically closing said inserting means.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

MILDRED ALICE LAIRD.

Witnesses:

ALEXANDER J. GORDON,

MARGARET E. HUNTER.