Aug. 21, 1945. W. R. KOHL 2,383,132

WINDOW-SHIELD

Filed Oct. 1, 1941 2 Sheets-Sheet 1

Fig. 2.

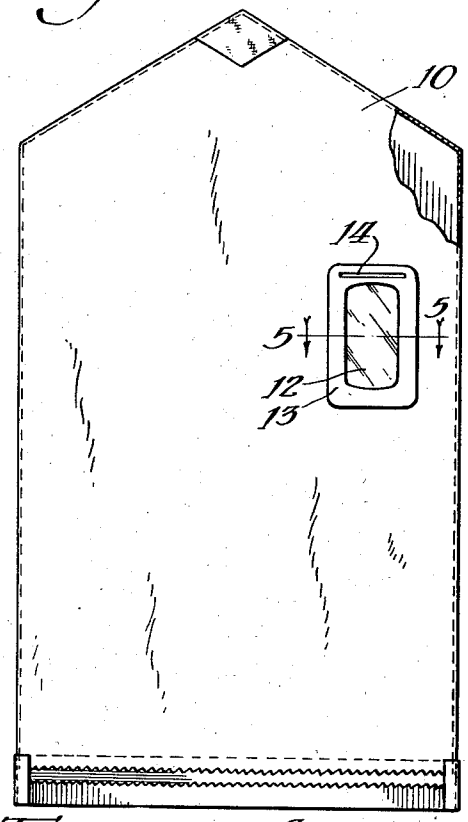


Fig. 4.

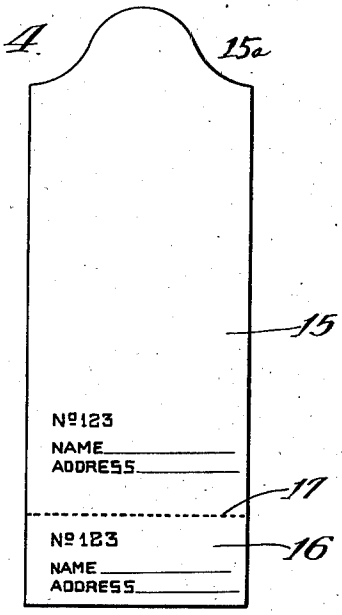


Fig. 5.

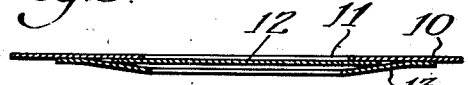


Fig. 6.

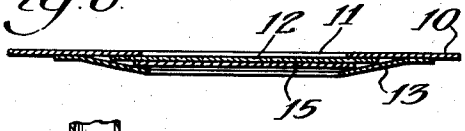
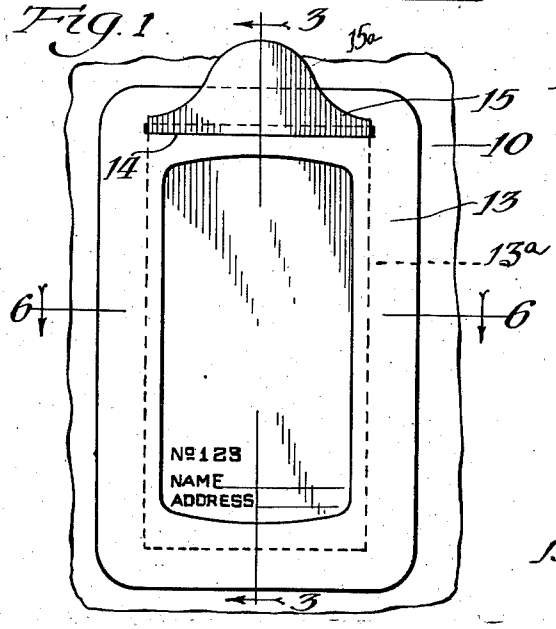


Fig. 1.



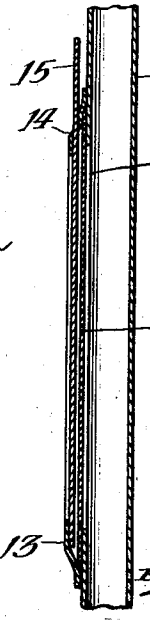


Fig. 3.

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Aug. 21, 1945. W. R. KOHL 2,383,132

WINDOW-SHIELD

Filed Oct. 1, 1941 2 Sheets-Sheet 2

Fig. 7.

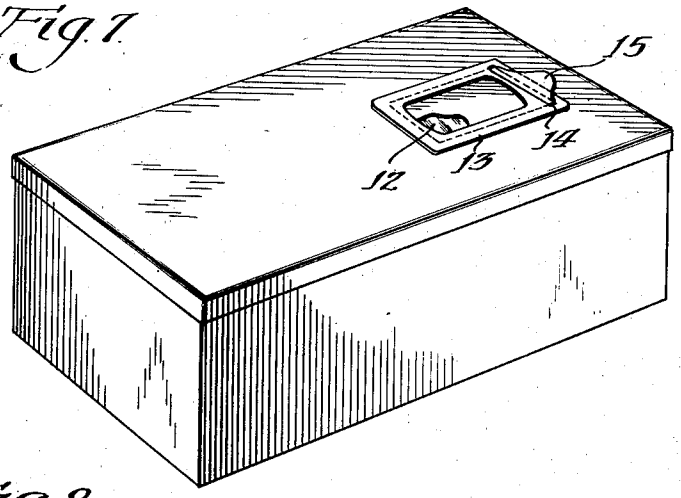


Fig. 8.

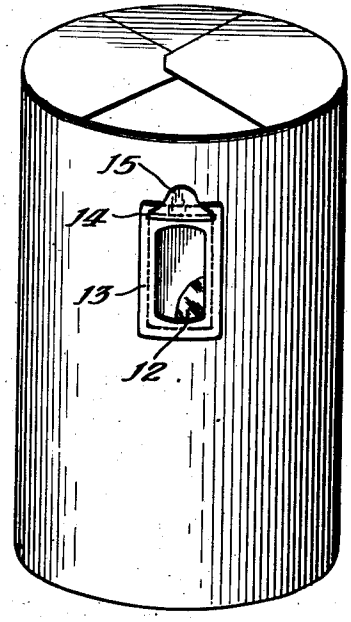


Fig. 9.

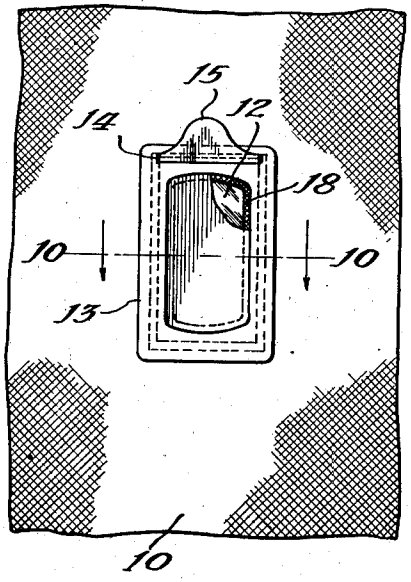
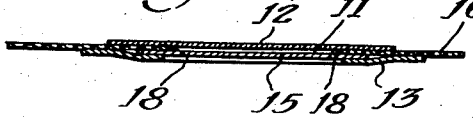


Fig. 10.



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Patented Aug. 21, 1945 2,383,132

UNITED STATES PATENT OFFICE

2,383,132

WINDOW-SHIELD

William R. Kohl, Glenview, Ill.

Application October 1, 1941, Serial No. 413,104

4 Claims. (Cl. 206—44)

My invention is an improvement in a device for protecting packaged material against the effects of light infiltration.

My primary object is a window and shield to shut out light, to eliminate fading of garments, to protect foodstuffs, confections, flowers, vegetables, fruits, and the like against light rays causing discoloration, bleaching, and rancidity when packaged in wrappers, tubes, cartons, boxes or bags for transportation or display.

In the attached drawings:

Fig. 1 is my device mounted upon a broken away piece of packaging material.

Fig. 2 shows a mask mounted on a bag, without a closure shutter.

Fig. 3 is a sectional view along the line 3—3 of Fig. 1.

Fig. 4 is closure shutter slide shown in Fig. 1.

Fig. 5 is a sectional view at 5—5 in Fig. 2.

Fig. 6 is a sectional view at 6—6 in Fig. 1.

Fig. 7 is the device adapted to attachment to a cover for a box.

Fig. 8 shows the form applied to a roll or wrapper around a bolt of cloth, or such like articles.

Fig. 9 is a slightly modified form of the device.

Fig. 10 is a sectional view of Fig. 9 along lines 10—10.

As illustrated:

The device consists of three elements, a mask 13, a transparency 12, and a closure slide 15. The mask 13 is generally made of some semi-pliant material such as card board with an aperture substantially equivalent to aperture 11 in a basic fabric 10 of an article. The mask 13 has a transverse slot 14 spacedly above the upper edge of the opening 11 and wider than the aperture 11; the transparency 12 is adapted to be adhesively attached to the back of the mask 13 having an unattached portion 13*a* providing for a closure area for the passage of a closure slide 15 as indicated by the dotted lines 13*a*. The mask is provided with an adhesive extending over the back edge thereof and covering approximately to the dotted line 13*a*. An elongated slidable shutter 15 substantially the width of the slot 14 is adapted to slide snugly through the slot 14 and down 13*a* to below the lower part of the opening in the mask tightly closing the aperture. This shutter 15 primarily has a finger tab 15*a* at one end and a portion 16 detachable at the perforations 17 adapted to bear corresponding identifying indicia.

In Fig. 7 I show the device mounted upon and adapted to be sealingly attached on a box or similar container for the transportation or exhibition of the contents of the container. In Fig. 8 I show its immediate application to the packaging of fabrics of various types where exhibition of contents may be made without much exposure to the light. In Fig. 9 I show a slightly modified form wherein the perimeter 18 of the aperture in the basic material is parallel with but slightly less than the perimeter of the aperture in the mask, providing for a double protection against the entrance of light into the package.

I claim:

1. The combination with a container having a window opening, a mountable mask having an opening coextensive with the window opening in the body of the container, a transparency covering said window opening having a margin of attachment around the opening, the mask sealingly attached to the container body having an unsealed margin adjacent the opening in the mask, a transverse slot in one end of the mask adapted to permit the passage under said unsealed margin of a window closing shutter, a slidable window closing shutter.

2. In a garment storage bag, an inspection window assembly comprising a frame of sheet material positioned flatly against the outside of the bag over an opening in the latter; a transparent panel positioned between the frame and the bag; said panel extending marginally beyond the edges of the opening in the bag, and said frame extending marginally beyond the sides of the panel and being adhesively secured to the bag beyond such sides; said frame having an opening therein opposite the opening in the bag, and said panel extending marginally beyond the edges of the opening in the frame free from portions of the sides of the frame to provide confronting guide channels between the panel and the sides of the frame; said frame having a slot in one of its ends, which slot spans the guide channels and is longer than the width of the opening in the frame, and said panel underlying the slot free from that portion of the frame which is disposed between the slot and the opening; and a non-transparent closure snugly but slidably positioned between the frame and the panel in said channels; said closure being inserted into the channels through the slot in the frame and having a portion which projects beyond the slot in overlying relation to the adjacent adhesively secured portion of the end of the frame when the closure is in its fully inserted position.

3. A unitary window consisting of a mask containing a window opening, and a slot above said window opening, a sheet of transparent material

sealingly attached to the back of the mask and covering said opening and slot, a closure slide adapted to be inserted through said slot and passed downward between the edge of the opening in the mask and the transparent sheet, and a sealing means on the back of the mask extending over an edge of the transparent sheet.

4. A unitary window for application to a sheet of covering material, consisting of a mask containing a window opening, and a slot above said window opening, a sheet of transparent material sealingly attached to the back of the mask and covering said opening and slot, a closure slide adapted to be inserted through said slot and passed downward between the edge of the opening in the mask and the transparent sheet, and a sealing means on the back of the mask extending inwardly beyond the edge of the transparent sheet, said sealing means comprising the edge of the sheet to which the window is adapted to be applied.

WILLIAM R. KOHL.

CERTIFICATE OF CORRECTION.

Patent No. 2,383,132. August 21, 1945.

WILLIAM R. KOHL.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, second column, line 21, after the word "passage" insert --therethrough--; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 4th day of December, A. D. 1945.

Leslie Frazer

(Seal) First Assistant Commissioner of Patents.