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F. A. EDTL

LIGHT TRAP FOR FILM PACK ADAPTERS

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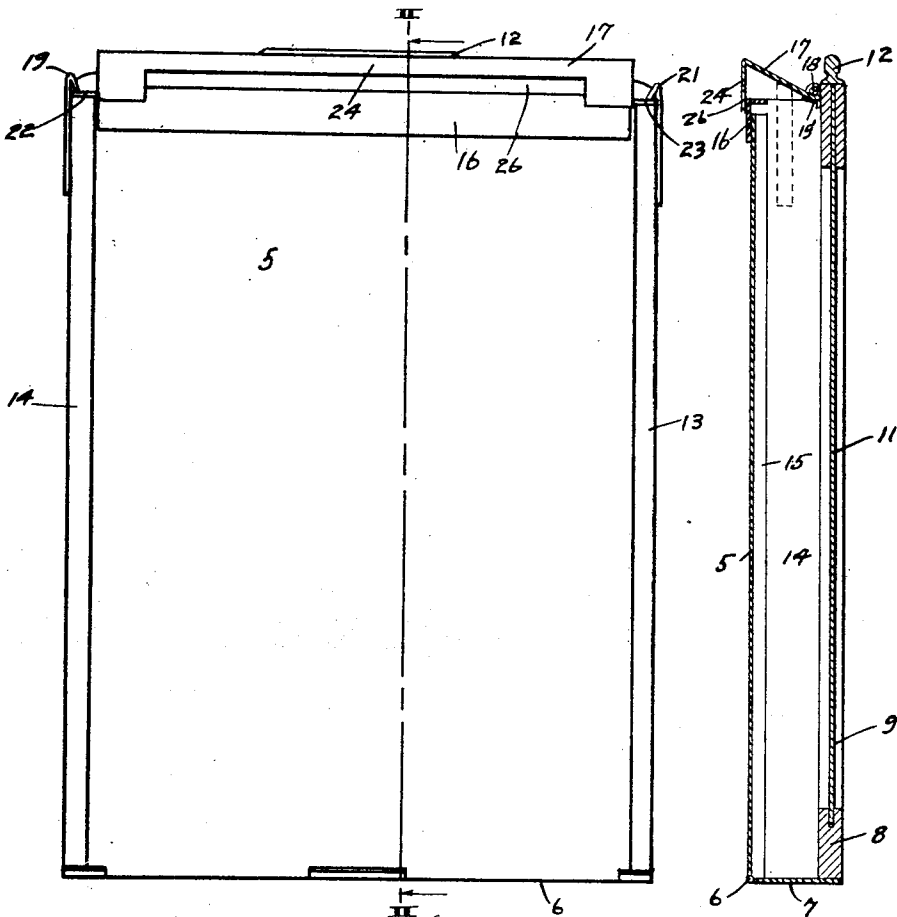


Fig. 1.

Fig. 2.

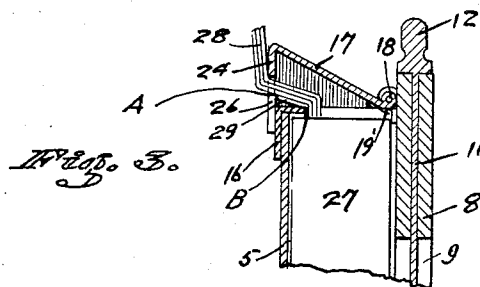


Fig. 3.

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LIGHT TRAP FOR FILM-PACK ADAPTERS.

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To all whom it may concern:

Be it known that I, FRANK A. EDTL, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Improvement in Light Traps for Film-Pack Adapters, of which the following is a specification.

This invention relates to a new and useful improvement in light traps for film pack adapters, of that type commonly used with cameras for the purpose of holding a film pack during exposure.

The principal object of this invention is to provide means for preventing leakage of light into the pack while the tabs are being pulled.

Another object is to produce a device of this character which may be applied to pack adapters now upon the market without involving a considerable expense.

Another object is to produce a device of this character which is simple in construction and consequently cheap to manufacture.

Another object is to produce a device wherein the remaining portion of the torn-off tab acts as a light trap.

Other objects and advantages will be seen as the description proceeds.

In the drawings, Figure 1 is the rear elevation of a film pack adapter having my device applied thereto.

Figure 2 is a cross-section taken on the line 11-11 of Figure 1.

Figure 3 is an enlarged fragmentary detail section showing the position of a film pack in the adapter.

In the drawings, like numerals refer to corresponding parts in the several views.

Up to the present time, as far as applicant is aware of, the tabs common to all film packs have extended upwardly out of the pack in such a manner that when the same were pulled after an exposure, the light, in many instances, leaked past the light trap in the film pack and consequently the film was either destroyed or an unsightly light streak appeared upon the same.

By my invention I overcome this difficulty by causing the tabs to be drawn outwardly so as to cause a bend in the tab at substantially right angles, thereby covering the slot and preventing light leakage.

In the drawings, numeral 5 designates a

hinged back portion, hinged as at 6, to a bottom piece 7, usually screwed to a wooden frame 8. This wooden frame 8 has an opening 9, therein, which is adapted to be closed by a dark slide 11, which dark slide is withdrawn by means of a handle portion 12. The wooden frame 8 is provided with side pieces 13 and 14, which overlap the bent-in portions 15 of the hinged back 5, the structure thus far described constituting a box having a hinged back and open at one end. It is to this open end that I apply my invention, which consists of an angular-shaped piece 16 riveted or otherwise fastened to the hinged back 5.

The numeral 17 refers to a hinged cover hinged as at 18, and provided with a spring 19', which spring is under compression when the cover 17 is closed. This spring, therefore, tends at all times to force the cover open, but it is held by latches 19 and 21 secured to the sides 13 and 14. The cover 17 is provided with flat portions 22 and 23, which are adapted to be engaged by the latches 19 and 21. This cover is provided with a downwardly extending portion 24, a portion of which is cut away to form a slot 26, the width of this slot being sufficient to allow a film pack tab to be withdrawn there-through.

The numeral 27 refers to a pack as a whole, while the numeral 28 refers to the tabs extending therefrom, and the numeral 29 refers to a tab, a portion of which has been torn off.

The operation of my device is, as follows: The pack is placed within the holder. The back is closed there-against and the cover swung down against the action of the spring 19' until the latches 19 and 21 engage the same. This swinging down action causes the tabs which are protruding from the film pack to be bent at substantially right angles and to protrude through the slot at 26.

After an operator has taken a picture the outer-most tab is grasped and withdrawn, in the usual manner, after which it is torn off against the angular-shaped member 16. This tearing off leaves a portion 29, which, owing to the natural spring of the paper, tends to straighten out and consequently presses against the overlying tabs, thus forming a light trap as it bears against the point "A" and the point "B".

Having described my invention, what I claim as new and useful, and desire to secure by United States Letters Patent, is:—

1. In a light trap for a film pack adapter, the combination of an adapter, a hinged cover secured at one end of said adapter, said cover having an over-hanging portion adapted to contact the back of said adapter, and having a slot formed below said hinged cover.

2. In a device of the character described, the combination of a pack adapter, a cover hingedly secured to said pack adapter, a spring adapted to open said cover, catches adapted to retain said cover against the action of said spring and an over-hanging portion formed on said cover, said over-hanging portion being cut away to form a slot at right angles to said adapter.

3. In a film pack adapter, the combination of a film-pack retaining means, a cover secured to said pack retaining means, said cover and said pack retaining means forming a slot adjacent the end of said receptacle,

said slot being of sufficient width to allow the withdrawal of a tab there-through.

4. In a film pack adapter, the combination of a receptacle for the reception of a film pack, a cover hinged to said receptacle, means for retaining said cover in a closed position, said cover and said receptacle forming a slot adjacent the end of said receptacle, said slot being of sufficient width to allow the withdrawal of a tab there-through.

5. In a film pack adapter, the combination of a receptacle for the reception of a film pack, a cover hinged to said receptacle, means for retaining said cover in a closed position, said cover and said receptacle forming a slot adjacent the end of said receptacle, said slot being of sufficient width to allow the withdrawal of a tab there-through, and an angular member secured to said receptacle at a point adjacent said slot, said angular member serving as a means against which a film pack tab may be torn.

FRANK A. EDTL.