June 14, 1938. H. G. ARMSTRONG 2,120,234

FIRST AID KIT

Filed Aug. 12, 1935

FIG. 1

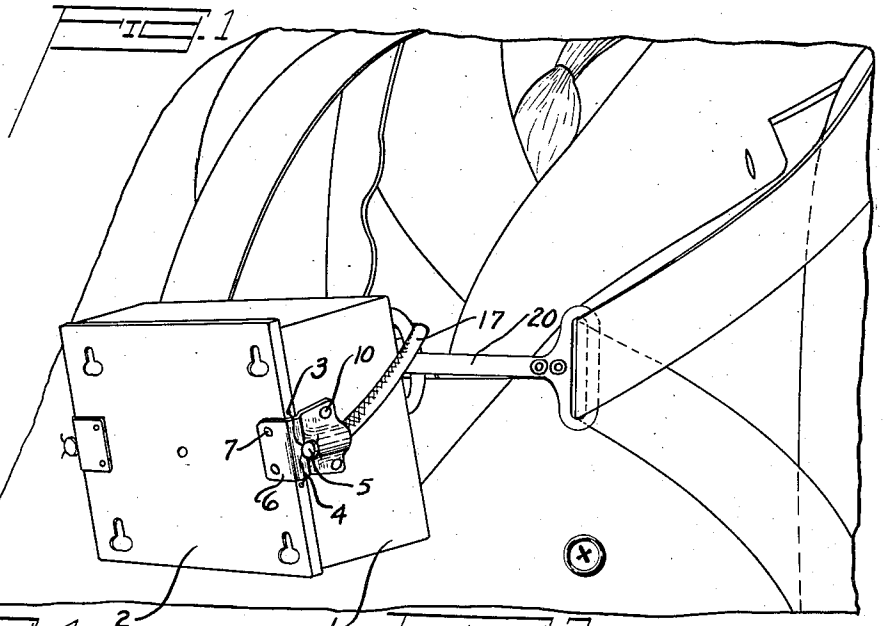


FIG. 4

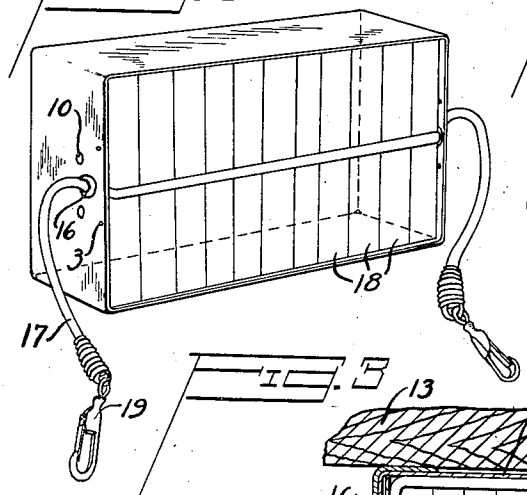


FIG. 2

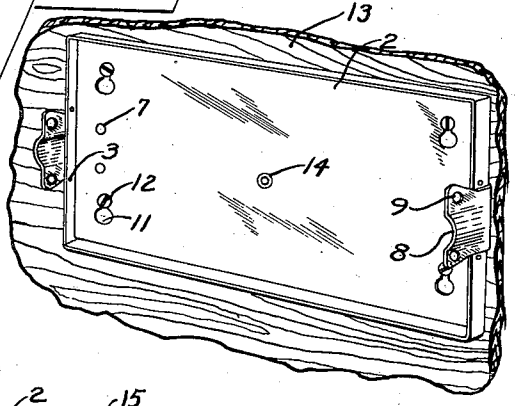
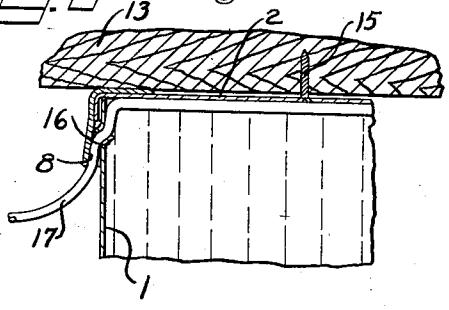


FIG. 3



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FIRST AID KIT

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Application August 12, 1935, Serial No. 35,722

1 Claim. (Cl. 224—26)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described herein may be manufactured and used by or for the Government for governmental purposes, without the payment to me of any royalty thereon.

It is an object of my invention to provide a first aid kit which may be readily transferred from a vehicle to its occupant.

My invention further seeks to provide ready and certain means for detecting the removal of or the tampering with emergency medical supplies carried in fighting aircraft.

A still further object of my invention is to provide a container of simple structural detail which will permit ready contents removal.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention consists of certain new and novel improvements in first aid kits, which will be hereinafter more fully illustrated and described in the accompanying drawing and more particularly pointed out in the appended claim.

Referring to the drawing, in which numerals of like character designate similar parts throughout the claim:

Fig. 1 shows my first aid kit secured to an aircraft passenger.

Fig. 2 shows the cover plate of my container detachably secured to a vehicle wall.

Fig. 3 shows fixed cover plate attachment.

Fig. 4 shows my container with cover plate removed.

In Fig. 1 a container 1 is provided as its top portion with a cover plate 2. Sealing, as well as readily detachable, connection is provided between the container 1 and the cover plate 2. Holes 3, passing completely through opposing side walls of the aforesaid parts, are locked in alignment by means of safety wires 4, closed at their ends by seals 5. Spring clips 6 are also fixed to the aforesaid opposing side walls of the cover plate 2 by means of rivets 7. As viewed in Fig. 2, the spring clips 6 are provided with cavities 8 and holes 9. The holes 9 are adapted to align with and springingly engage semi-spherical projections 10 located upon the outer surfaces of the aforesaid opposing side walls of the container 1, thus providing readily detachable connection between the cover plate 2 to the container 1.

It will be noted in Figs. 1 and 2 that the cover plate 2 is provided with key-hole slots 11 adapted to slidingly engage mounting screws 12 previously fixed to a vehicle wall 13 or other suitable attaching panel. Upward and outward movement of the assembled container, with respect to the wall 13, frees the cover plate 2 from the mounting screws 12.

Under certain conditions it is essential that the cover plate remain fixed to the wall 13. Such fixity is accomplished, in Fig. 3, by insertion through a hole 14 provided in the cover plate 2 of a single locking screw 15. The screw 15, being fixed to the wall 13, prevents upward movement of key-hole slots 11 with reference to the mounting screws 12. It will also be noted that the two of the opposing side walls of the container 1 are furnished with oppositely arranged apertures 16 forming lipped passageways for a flexible strap 17. There is sufficient "snugness" between the holes 16 and the strap 17 to hold the latter taut against the upper surface of the contents of the container.

In Fig. 4, medical inserts 18 have been packed within the container 1 and the strap 17 pulled taut against the top surfaces thereof. Each insert contains a bandage, compress, dressing, iodine brush, splints, "Unguentine", "Burnalay", inhalant or other desired medical supplies. To remove an insert 18, the central portion of the strap 17 is pulled outwardly to form a loose loop after which the container 1 is given a sharp blow against the palm of a holder's hand. The impact resulting from the aforesaid blow is sufficient to expose the side portions of the inserts 18 beyond the top portion of the container 1, such that the inserts 18 may be readily removed.

The end portions of the strap 17 are provided with snap fasteners 19. As shown in Fig. 1, the fasteners 19 have been secured together beneath the under surface of a parachute harness 20 worn by an aircraft occupant. It will be noted that the free ends of the strap 17 are so regulated in length that the contents of the receptacle 1 are restrained against accidental loss whether the cover plate 2 is installed or removed, since the strap 17 and the fasteners 19 hold the bottom portion of the container 1 snugly against the outer surface of the parachute harness 20. Referring to Fig. 4, the same is true when the fasteners 19 are snapped together across the top portion of the container 1. In the latter case, the loop resulting from the joined ends of the strap 17 may be utilized as a handle.

In Fig. 3, removal of the container 1 from the cover plate 2 is accomplished by a sharp angular tug upon the strap 17 outwardly and away from the wall 13, utilizing one or both of the outer extremities of the strap 17 as handles. Endwise movement of the cavity 8 frees the holes 9 from the semi-spherical projections 10 located upon the

outer surface of the top portion of container 1, whereupon the holes 3 in the cover plate 2 and the container 1 shear the safety wire 4, thus freeing container from cover plate. The container 1 is thereupon in the condition shown in Fig. 4 and may thereafter be utilized as desired.

I claim:

A first aid kit comprising, a rectangular container having a bottom surmounted by four sides, an opposed pair of said sides having oppositely arranged apertures slightly below the open side of said container and the exposed surface of articles deposited therein, a flexible strap loosely threaded through said apertures and permitting ready insertion and withdrawal of the articles in said container, the ends of said strap being further provided with gripping portions for accomplishing straight line tensioning rendering the central portion thereof continuously taut against the exposed surface of said articles, a cover for said container and spring clip holding means fixed to said cover and partially overlying said strap at points of clamping engagement with said container such that simultaneous outward pull on said gripping members in the line of said apertures releases spring clip engagement from said container.

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