July 18, 1939. H. DAVIS 2,166,860

CLOSURE AND LOCKING MEANS FOR KIT BAGS, CASH BAGS, AND THE LIKE

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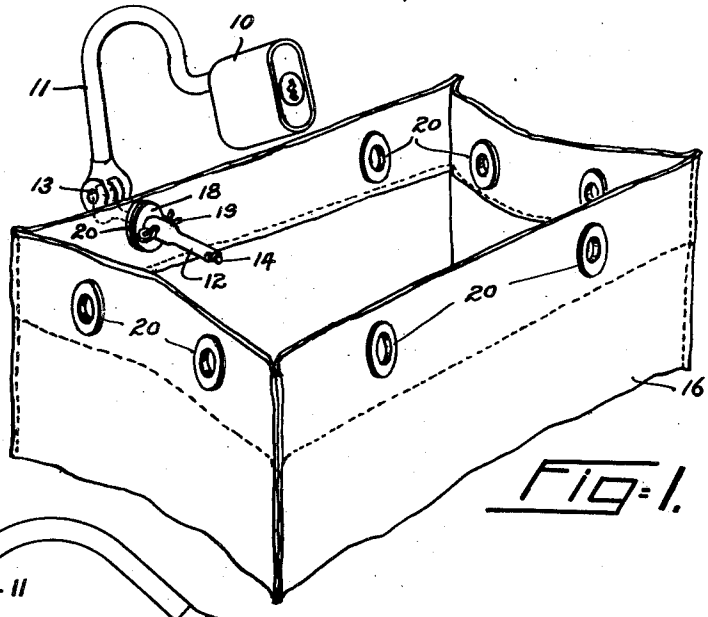


Fig. 1.

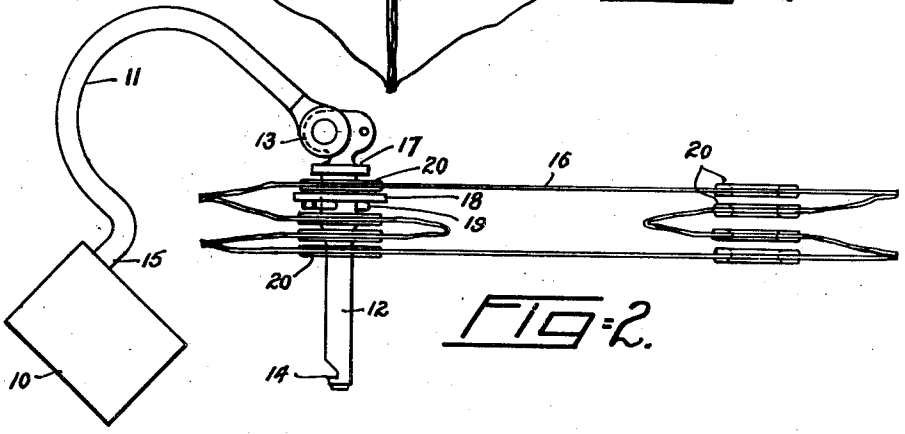


Fig. 2.

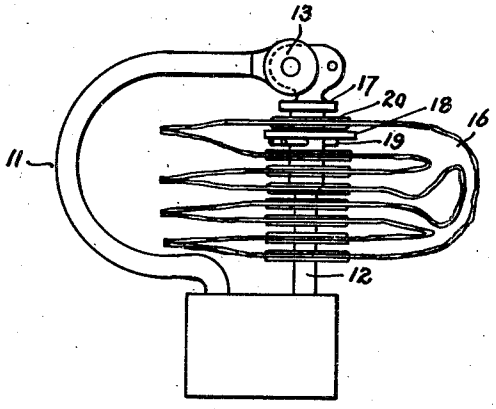


Fig. 3.

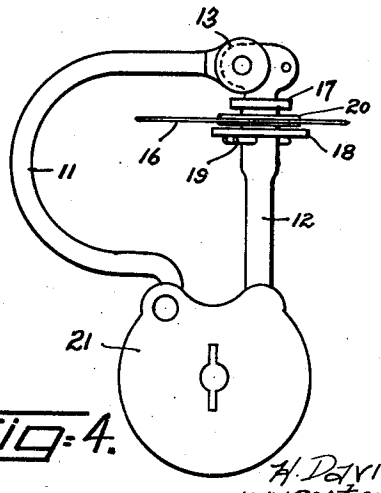


Fig. 4.

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CLOSURE AND LOCKING MEANS FOR KIT BAGS, CASH BAGS, AND THE LIKE

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Application October 7, 1936, Serial No. 104,508
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5 Claims. (Cl. 70—65)

This invention relates to kit bags, cash bags, mail bags and the like containers but more particularly refers to means for closing and locking such receptacles.

Containers of this type generally consist of bags constructed of canvas or other suitable material around the opening of which a number of eyelets or the like are formed. They are generally closed by passing a cord or rod through the eyelets and the like so that the top is bunched up into a close formation and such cord or rod is secured. If the container is to be locked a means commonly employed comprises padlock adapted to pass through a loop formed on a member hinged to a rod and arranged to pass through a hole in the rod. The rod passes through the eyelets or the like provided at the top of the bag. In practice the disadvantage of this method of locking is that the padlock and the closing means are likely to be departed from each other and the bag and become mislaid.

It is an object of this invention to provide a closing and locking means for containers which may be easily and effectively manipulated and which are constructed in such a manner that the parts cannot be detached and mislaid and which may, further, be permanently secured to the bag, if desired, in such a way that it will not interfere with the utility of the container.

Reference will now be made to the accompanying drawing, in which:

Figure 1 is a perspective view of part of a container of the type previously referred to with the closing and locking means released.

Figure 2 is a plan showing the container at one stage of the process of closure.

Figure 3 is a plan showing the container closed and locked, and

Figure 4 is a plan of an alternative form of closing and locking means.

The locking mechanism shown in Figures 1, 2 and 3 comprises a casing 10 containing lock mechanism and means for operating it, such casing and mechanism being conveniently similar in construction and operation to a padlock casing and mechanism of suitable type. The casing 10 is provided with the closing and locking means for the container. This means comprises a pair of members 11 and 12, the member 11 being shaped with a D-shaped loop in it. One end 15 of the loop member 11 is provided with means of attachment to the lock casing and/or mechanism and the other end of the loop is provided with means 13 whereby it may be pivotally connected to the other member 12, the free end 14 of this member 12 being adapted to enter the casing and/or mechanism of the lock means. The member 11 is connected to the locking mechanism so that it may slide in and out and swing relatively to the lock casing when the locking mechanism is operated. The other member 12 is adapted to enter the lock casing 10 and is provided with means 14 for engaging or being engaged with the bolt of the lock mechanism.

The closing and locking means may be retained upon the bag 16 by providing a pair of collars 17 and 18 or the like on the member 12. Such collars may be formed integrally and/or independently of the member 12, split pins such as 19 or other suitable means being furnished for retaining them when they are independent. The member is placed through an eyelet of the bag 16 with a collar on each side of the eyelet so that it and consequently the other member 11 and the locking means 10 are retained upon the bag. The part of this member which passes through this eyelet may be of increased diameter, such increase being formed integrally or by means of a sleeve fitted thereon.

In use the closing and locking mechanism is operated in the manner shown in Figures 1, 2 and 3. The bag 16 may be of canvas or other suitable material and its opening is provided with a series of eyelets 20 or the like. The member 12 is passed through any convenient eyelet such as that illustrated and the other eyelets are passed over the member 12 either in the order shown in Figures 2 and 3 or in any other convenient order. When all the eyelets or as many as are required are passed over the member 12, the means 14 of this member are placed in the co-operating part of the locking mechanism 10 after the mechanism and the member 12 have been swung into the correct relative position members 11 and 12 are pushed into the casing so that the locking means engage.

When the bag is to be opened the locking means are operated to release the members 11 and 12 so that the casing may slide back and be swung round relatively to the end 15 of the member 11 and so that the member 12 may be withdrawn and swung about the pivoting point 13 to allow the eyelets to be removed and the bag to be opened.

In Figure 4 a different form of locking mechanism is illustrated. In this example the mechanism is contained within a casing 21 to which the member 11 is pivoted. The member 12 is in turn pivoted to the member 11 as before. Closure is effected by swinging the two arms in the correct

relative positions to the casing to permit the member 12 to engage the corresponding bolt mechanism in the casing 21.

The connection between the member 11 and 12 as illustrated takes the form of a pin passing through jaws formed on the end of the member 11 and the flattened end of the member 12 but any other suitable and well known method of connecting these members so as to allow the required freedom of movement may be applied.

As herein before described the member 12 is provided with collars 17 and 18 which may be arranged as shown, the part 17 being in the form of a flange formed integrally with the end of the member 12 and the collar 18 being kept in position by the pin 19. The device may be used without these retaining means which, if provided may be one or both permanently or removably attached to the member 12.

For the purpose of explanation there have been described and illustrated one form of bag and of locking mechanism but it is to be understood that the invention may be applied to other size and forms of bag of the type referred to and that the details of the locking mechanism may be varied.

I claim:

1. Closure and locking means for bags of the type having a foldable closure portion and a series of eyelets therein, comprising a casing, locking mechanism in said casing, a member attached to said casing and movable in relation thereto, a co-operating member pivoted to said member, lock engaging means on said co-operating member, means for releasably maintaining the cooperating member in engagement with one of the eyelets and in a position for engaging the locking mechanism subsequent to the engagement of the cooperating member with the other eyelets.

2. Closure and locking means for bags of the type described comprising a casing, locking mechanism in said casing, a member attached to said mechanism and slidable and rotatable with reference to said mechanism upon operation thereof, a co-operating member having an enlarged part pivoted to said member, lock engaging means on said co-operating member and flanges on said co-operating member for engaging the bag.

3. Closure and locking means for bags of the type described comprising a casing, locking mechanism in said casing, a member attached to said mechanism and slidable and rotatable with reference to said mechanism upon operation thereof, a co-operating member pivoted to said member, lock engaging means on said co-operating member, a fixed flange on said co-operating member and a removable collar with retaining means on said co-operating member for securing said locking means to said bag.

4. Closure and locking means for bags of the type having a foldable closure portion and a series of eyelets therein adapted to be arranged in registration on the folding of the closure portion comprising a casing, locking mechanism in said casing, a member attached to said casing a cooperating member pivoted to said member, means on said cooperating member for detachably securing said cooperating member in one of the eyelets in the foldable closure portion, said cooperating member being adapted for engagement with the remaining eyelets when the latter are arranged in registration, and locking mechanism engaging means on said cooperating member.

5. Closure and locking means for bags of the type having a foldable closure portion and a series of eyelets therein adapted to be arranged in registration with each other on the folding of the closure portion comprising a casing, locking mechanism in said casing, a member attached to said mechanism and swingable with reference to said mechanism upon operation thereof, a co-operating member pivoted to said member, means on said cooperating member for engaging said locking mechanism, and means on said cooperating member for detachably retaining said member with one of the eyelets and the remaining registering eyelets being engageable with the co-operating member prior to the engagement of the engaging means thereon with the locking mechanism.

HENRY DAVIS.