June 10, 1941. J. C. ALLEN 2,245,518

PAPER BAG HOLDER

Filed March 11, 1940

Fig. 1.

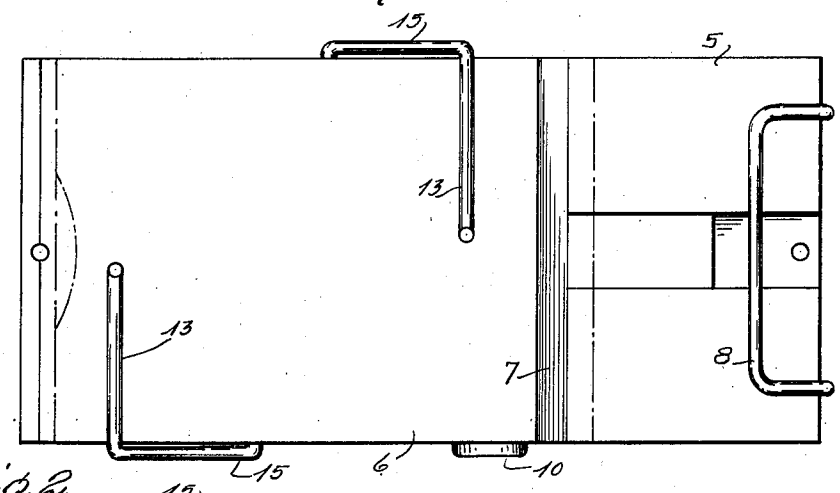


Fig. 2.

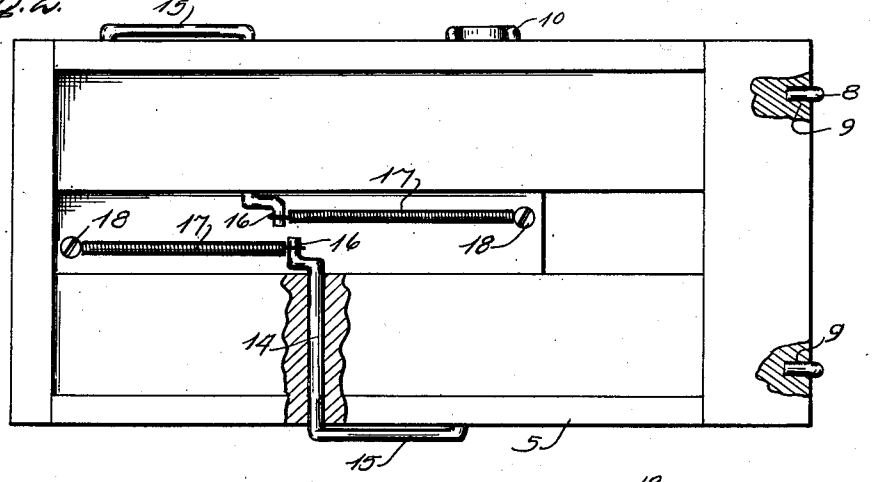


Fig. 3.

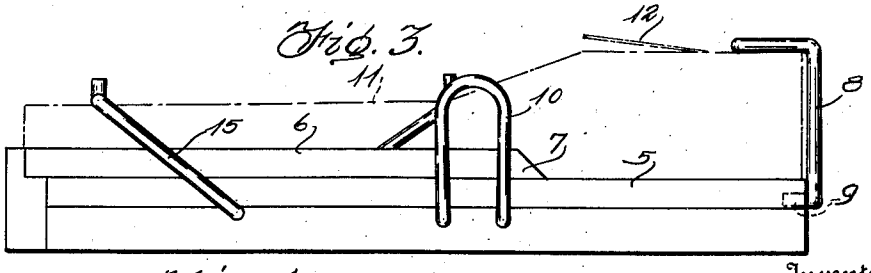
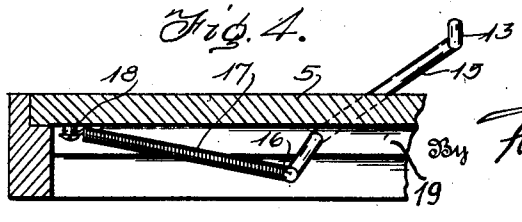


Fig. 4.



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PAPER BAG HOLDER

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Application March 11, 1940, Serial No. 323,458

3 Claims. (Cl. 211—51)

This invention relates to holders for paper bags, and an object of the invention is to hold the bags so that they can be dispensed or displaced one at a time, although the said device is provided with means for clamping or holding the bags in a manner which will prevent ready accidental displacement of the bags.

It is an object of this invention to provide guides at the upper end and on one side which will serve to retain the pile or plurality of bags, the bag holder being associated with yieldable clamps which are held in engagement with the outermost or top bag with such force as to prevent accidental dislodgment of the bags or displacement of the bags without the employment of some exertion on the part of the person trying to remove the bag or bags.

It is a further object of this invention to provide a base having means by which the closed ends of the bags are held in position so that the flaps or folded bottoms of the bags may be grasped in order that the bags can be dislodged from the end guide and pulled so that the bags will be released by the clamps.

It is a still further object of the invention to provide a base having a bag engaging surface which terminates at the end near the end guide whereby a shoulder is formed so that bags applied thereto are bent into the space between the end guide and the shoulder to aid in the retention of the bags against accidental dislodgment.

It is furthermore an object of the invention to provide bag engaging clamps which project in opposite directions from the side edges of the base, and to provide means under the base for exerting a pull on the said clamps whereby the bags are frictionally retained in place.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawing forming part of this application, wherein like characters denote corresponding parts in the several views, and in which:

Figure 1 illustrates a plan view of a bag holder embodying the invention;

Figure 2 illustrates a plan view of the rear thereof partly in section;

Figure 3 illustrates a view in elevation of the side of the holder, showing bags applied thereto; and

Figure 4 illustrates a sectional view of a fragment of the base, showing one of the clamps and means for yieldingly holding it.

In this drawing 5 denotes the base having an upper face plate 6 terminating short of one end thereof so that a shoulder 7 is formed. At the end of the base a bag retaining bracket 8 of the general configuration illustrated in Figs. 1 and 3 is installed, it being understood that the lower ends of the legs of the bracket are inturned and anchored to the base as shown at 9. Another bracket 10 is likewise attached to the base in substantially the same manner, although it is not as wide as the bracket 8 as it is simply intended to engage the edges of the bags 11 which are shown in dotted lines, Fig. 3. The bags are stacked or applied to the base and bent so that the shoulder aids in retaining them in place while the closed ends of the bags are inserted under the overlying part of the bracket. The bags are so folded that the portions 12 of the bottoms of the bags are free to be grasped by a person who wishes to remove the same and by a pull thereon the bag is dislodged from the bracket and is then removed from the clamps, to be hereinafter described.

As shown in the drawing, each of the clamps has an outer end portion 13 which is in the nature of a finger that bears against the outermost of the bags of a stack, and a shaft 14 of each clamp is mounted for partial rotation in a part of the base, as shown in section in Fig. 2. The shaft terminates in an extension 15 with which a finger is integral and therefore, as the shaft oscillates, the finger is moved with relation to the stack of bags. The inner end of each shaft is provided with a crank 16 to which a spring 17 is attached, the said spring being anchored as at 18 under such tension as will serve to cause the finger of the clamp to frictionally engage the outermost bag of the pile of bags. Preferably, one such clamp is applied at each edge of the base as illustrated, although for larger bags the number may be increased to suit particular requirements.

The under side of the base has a longitudinal recess 19 forming a clearance for the operation of the crank 16.

I claim:

1. In a bag holder, a base having a transversely disposed shoulder remote from one end thereof forming a resistance to the movement of bags deposited on the base, a bracket at one end having a portion overlying a portion of the base, a guide at the side edge of the base ex-

tending upwardly for engaging the edges of bags, bag engaging clamps oscillatably mounted in the base on each side thereof and having extensions overlying the bags, and means for exerting yielding force on the said clamps.

2. In a bag holder, a base having a transversely disposed shoulder remote from one end thereof forming a resistance to the movement of bags deposited on the base, a member at one end of the base under which bags may be anchored, clamps for holding bags on the base, the said clamps each comprising a shaft-like portion extending transversely of the base from one edge thereof and partially rotatable therein, the said base having a longitudinal clearance, a crank end of the shaft extending into the clearance, a spring engaging the crank and anchored under tension to the said base, the said shaft having an angularly disposed extension parallel with the edge of the base and terminating in a finger overlying the top surface of the base for engaging bags thereon.

3. In a bag holder, a base having a transversely disposed shoulder remote from one end thereof forming a resistance to the movement of bags deposited on the base, a bracket at one end having a portion overlying a portion of the base, a guide at the side edge of the base extending upwardly for engaging the edges of bags, bag engaging clamps oscillatably mounted in the base on each side thereof, said clamps each comprising a shaft extending transversely from one edge of the base and partially rotatable in said base, a crank on the inner end of the shaft, an extension of the shaft extending parallel with the edge of the base and terminating in an inwardly disposed finger overlying the base and operative to hold bags on the base, and means for exerting tension on the shaft operative to force the fingers into engagement with the bags.

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