Sept. 15, 1925. 1,553,784

M. LEON ET AL

BAG HOLDER

Filed April 23, 1925

Fig. 1.

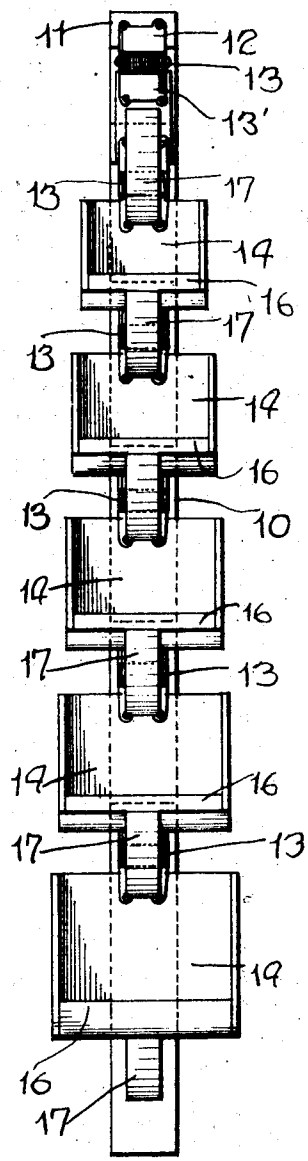


Fig. 2.

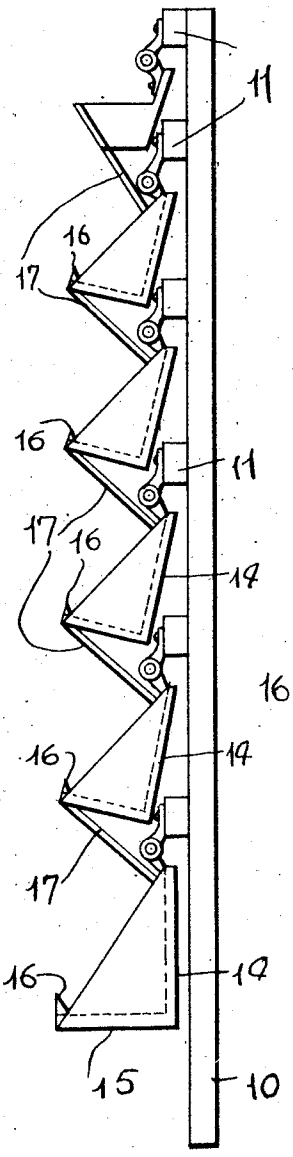
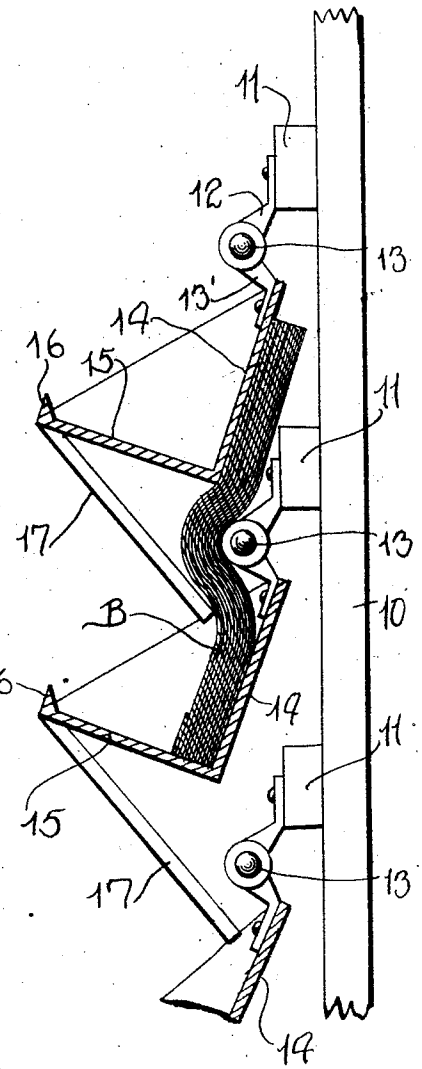


Fig. 3.



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Patented Sept. 15, 1925. 1,553,784

UNITED STATES PATENT OFFICE.

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BAG HOLDER.

Application filed April 23, 1925. Serial No. 25,427.

To all whom it may concern:

Be it known that MILTON LEON and WILLIAM B. LEON, citizens of the United States, residing at Muskogee, county of Muskogee, and State of Oklahoma, and Locust Grove, county of Mayes, and State of Oklahoma, respectively, have invented certain new and useful Improvements in Bag Holders, of which the following is a specification.

This invention relates to holders for paper and other bags and has special reference to a holder for graduated sizes of such bags which is preferably termed a bag dispensing holder.

One object of the invention is to improve the general construction of devices of this character.

A second object of the invention is to provide an improved device of this character wherein it is easy to extract one bag at a time from the bag packages without disturbing the remainder.

A third important object of the invention is to provide a bag holder of this description wherein each bag, of a package supported in the holder, will be so arranged that it may be readily extracted from the holder without disturbing the remaining bags in the package.

With the above and other objects in view as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and—

Figure 1 is a front elevation of a bag holder constructed in accordance with this invention.

Figure 2 is a side elevation thereof.

Figure 3 is an enlarged detail section on the vertical median line of Figure 1 showing the manner in which the bags are held.

In the present embodiment of the invention there is disclosed a support or base 10 which is in the form of a vertical plank. On this base are secured the cross bars 11 which are arranged in series spaced vertically from the top to bottom of the holder with the spaces gradually increasing in extent to correspond with the lengths of the bags. On each of the cross bars 11 is supported the fixed member 12 of a spring hinge 13, the movable member 13′ of which is attached to a plate 14 forming a support for the lower ends of the next succeeeding bags. Extending at right angles to each of the plates 14 is a plate 15 having at its outer edge a flange 16 to hold in place the lower end of the bag package. The plates 14 are of such lengths as, under the influence of the spring hinges 13, to drop inwardly toward the support 10 just above the next lower spring hinge 13. Each plate 15, which may be called the foot support, has extending diagonally from its outer edge and downwardly therefrom a presser plate 17 the lower end of which extends below the next lower hinge 13 so as to grip the bags B over the hinge 13, as best shown in Figure 3. Now from this figure it will be seen that each bunch of bags has its upper end pressed inwardly by the plate 14, is gripped around the next lower hinge 13 and has its lower end pressed against the next lower plate 14 and is supported at its lower end by the next lower plate 15, the presser plate 17 just above effecting the crimping operation. Thus, each section of the device consists of a fixed spring hinge member 12, a movable spring hinge member 13 attached to a plate 14, a pack support 15 extending at right angles thereto, and a crimping plate 17. It will also be seen that the pack support 15 and crimping member or plate 17 straddle the next lower hinge 13.

Now in operation the pack of bags is simply dropped in the suitable receptacle formed by the members 14 and 15, while the one just above is drawn outwardly so that the upper ends of the bags B project above the respective hinge 13. Then the next upper bag support is allowed to drop back, under the influence of the spring hinge 13 pertaining thereto, whereupon the pack of bags takes a position similar to that shown in Figure 3. In such position it will be observed that the bag pack is crimped around the hinge 13 by the members 15 and 17 of the support next above. Under these conditions each bag of a definite size may be withdrawn without disturbing the remainder of the bags in the pack.

The bag holders or sack containers may be made of wood, light metal, wire or a combination of all three.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction of the invention without departing from the material spirit thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is desired to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is:

1. In a device of the kind described, a series of spring hinge supports, spring hinges each having one part fixed to one of said supports and the remaining part extending toward the next succeeding spring hinge support, bag carriers fixed to each of the last mentioned parts of the spring hinges and terminating short of the next succeeding spring hinge, and means associated with each of said bag carriers to crimp a bag pack over the next succeeding spring hinge.

2. In a device of the kind described, a series of spring hinges vertically spaced and each having its upper arm fixedly secured to a suitable support, a bag support carried by and extending downwardly from the lower arm of each spring hinge, said bag support including a back plate of proper length to terminate short of the axis of the next spring hinge below, and a crimping member carried by the bag support and terminating below the axis of said second hinge.

3. In a device of the kind described, a series of spring hinges vertically spaced and each having its upper arm fixedly secured to a suitable support, a bag support carried by and extending downwardly from the lower arm of each spring hinge, said bag support including a back plate of proper length to terminate short of the axis of the next spring hinge below, said bag support also including a second plate extending outwardly from the first plate, and a crimping plate attached to the outer end of the last mentioned plate and extending downwardly and inwardly at an acute angle thereto and terminating at its inner end below the axis of the next lower spring hinge.

4. In a device of the kind described, a series of spring hinges vertically spaced and each having its upper arm fixedly secured to a suitable support, a bag support carried by and extending downwardly from the lower arm of each spring hinge, said bag support including a back plate of proper length to terminate short of the axis of the next spring hinge below, said bag support also including a second plate extending outwardly from the first plate, a crimping plate attached to the outer end of the last mentioned plate and extending downwardly and inwardly at an acute angle thereto and terminating at its inner end below the axis of the next lower spring hinge, and an upwardly extending flange at the outer edge of the second mentioned plate.

In testimony whereof they hereunto affix their signatures.

MILTON LEON.
WILLIAM B. LEON.