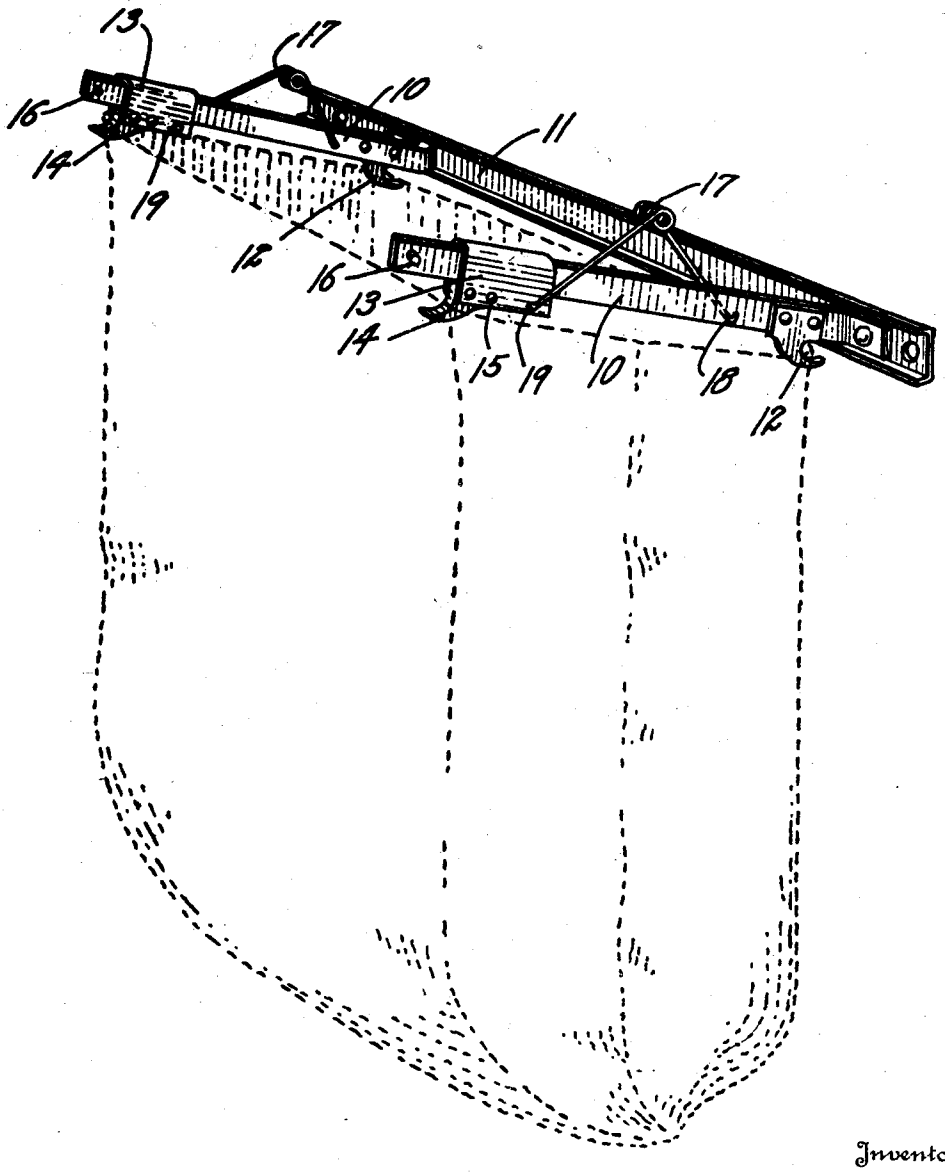
Aug. 7, 1928.

1,679,450

J. THOMPSON

BAG HOLDER

Filed Oct. 17, 1927



Inventor

JAMES THOMPSON

By

Attorney

Patented Aug. 7, 1928. 1,679,450

UNITED STATES PATENT OFFICE.

JAMES THOMPSON, OF GREELEY, COLORADO.

BAG HOLDER.

Application filed October 17, 1927. Serial No. 226,638.

This invention relates to a bag holder, and is more particularly designed for holding the mouths of bags open to receive potatoes and the like from grading and sorting machines, tables, etc. The principal object of the invention is to provide a simple and efficient device to support and maintain a bag open, to which the bag can be quickly and easily attached.

Another object of the invention is to produce a bag holder which will have a minimum of parts of a design which can be easily and rapidly manufactured.

A further object of the invention is to provide bag holding hooks which can be easily handled by the operator without danger of physical injury.

Other objects and advantages reside in the detail construction of the invention, which is designed for economy, efficiency and simplicity. These will become more apparent from the following description.

In the following detailed description of the invention, reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in the drawing and throughout the description.

The drawing illustrates a perspective view of my improved bag holder with a bag indicated in broken line thereon.

The invention comprises two supporting arms 10 which may be attached to any desired supporting surface, such as a potato or fruit sorting machine, grading machines, sorting tables, scales, etc. In the drawing I have illustrated the arms carried from a supporting channel iron 11 which may be attached to any desired support in any desired manner.

Adjacent the attachment point of each of the arms 10, I provide a stationary bag hook 12. A U-shaped slidable sleeve 13 is mounted on each of the arms and arranged to carry a movable bag hook 14 between the open sides of the U. The hook 14 may be riveted, as shown at 15, or welded, or otherwise attached, to the sleeve 13. Stop pins 16 are placed in the extremities of the arms 10 to prevent the sleeve 13 from passing off the arm. The movable hooks 14 are constantly forced toward the extremities of the arm 10 by means of coiled springs 17. One extremity of each spring is pivotally attached to the arm 10 at 18, the other extremity being pivotally attached to the sleeve 13 and movable hook 14, as indicated at 19.

In use, the operator hooks the near side of the bag over the movable hooks 14. He then forces the bag rearwardly against the action of the springs 17 until he can engage the stationary hooks 12 in the rear side of the bag. The hooks 12 and 14 with then support the bag and the spring 17 will maintain it in an open position. When detaching the bag, it is first pushed off the stationary hooks and then disengaged from the movable hooks.

It is desirable to have the arms 10 inclined upwardly at their extremities so that articles coming from the sorting and grading machines will be more easily caught by the bag. This incline, however, should not be sufficient so that the weight of the bag forces the movable hooks inwardly along the arms.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claims, without departing from the spirit of the invention.

Having thus described the invention, what I claim and desire to secure by Letters Patent is:—

1. A bag holder comprising two stationary arms; stationary hooks projecting downwardly from said arms; movable hooks adapted to extend below said arms and be movable along their length; and resilient means arranged to force said movable hooks away from said stationary hooks, said resilient means comprising a spring having a coil substantially at its midlength, one arm of said spring being fixed, the other arm being operatively connected with said movable hook.

2. A bag holder comprising a supporting member; a pair of arms projecting from and carried by said supporting member; a hook carried by said arms adjacent their point of attachment and adapted to project therebelow; a U-shaped sleeve over the top and sides of each of said arms in slidable engagement therewith; a hook member carried by each of said sleeves so as to close the open side of said U below said arm; a spring carried by each of said arms and said sleeves so as to constantly force the latter toward the extremity of said arms; and means for preventing said springs from forcing said sleeves off said arms.

3. A bag holder comprising a supporting

member; a pair of arms projecting from and carried by said supporting member; a hook carried by said arms adjacent their point of attachment and adapted to project therebelow; a U-shaped sleeve over the top and sides of each of said arms in slidable engagement therewith; a hook member carried by each of said sleeves so as to close the open side of said U below said arm; a spring carried by each of said arms and said sleeves so as to constantly force the latter toward the extremity of said arms; and means for preventing said springs from forcing said sleeves off said arms, said means comprising a pin inset in each of said arms adjacent its free extremity.

4. A bag holder comprising a supporting member; two parallel stationary arms projecting from one face of said supporting member and at an upward angle thereto; a stationary hook secured to each of said arms adjacent said supporting member and adapted to extend therebelow; a sleeve slidable on each of said arms; a hook carried by said sleeve so as to project therebelow; a V-shaped spring carried by each of said arms; a coil at the apex of said V, one leg of each of said springs being pivotally secured to one of said arms, the other leg of each of said springs being pivoted to one of said sleeves, said springs acting to force said sleeves toward the free extremity of said arms.

In testimony whereof, I affix my signature.

JAMES THOMPSON.