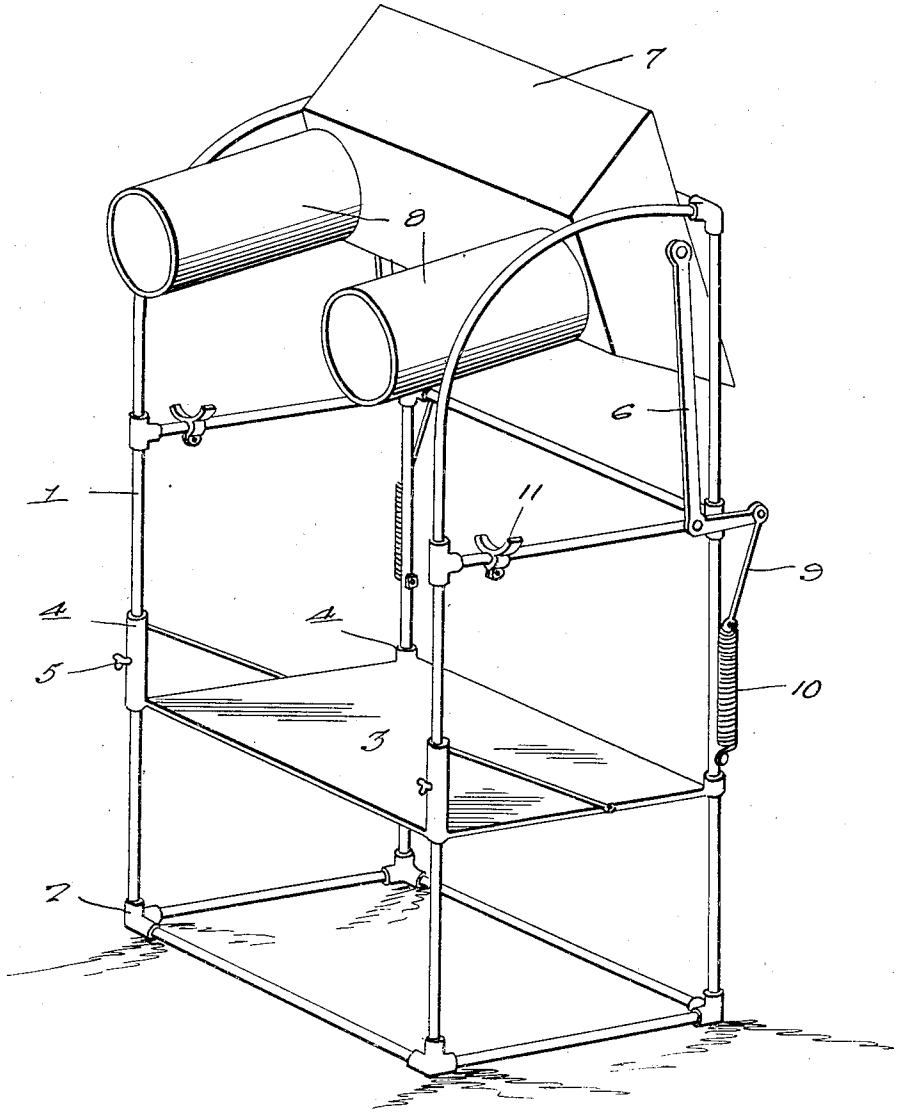
July 8, 1924. 1,500,964

L. O. STARKS

SACKER

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UNITED STATES PATENT OFFICE.

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SACKER.

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To all whom it may concern:

Be it known that I, LYMAN O. STARKS, a citizen of the United States, residing at Burlington, in the county of Des Moines and State of Iowa, have invented certain new and useful Improvements in a Sacker, of which the following is a specification.

This invention relates to sackers especially adapted to be used for packaging loose articles or commodities as for instance vegetables and the like, and it consists in the novel features hereinafter described and claimed.

An object of the invention is to provide a device of the character stated intended to package anything that is sacked in paper bags or similar containers. The device may be made to sack from two to six or more packages at one time and accordingly may be made in different sizes. The vegetables are sacked without coming in contact with the human hands. This not only protects the dispenser but saves considerable time in the process of packaging and retains the commodities in uncontaminated and sanitary conditions. The features and the elements of the sacker are so assembled and arranged that the bags will not be split or torn during the process of packaging and the process may be carried out by unskilled persons.

In the accompanying drawing:

The figure is a perspective view of the sacker.

The sacker includes a frame 1 made up of pipe sections connected together at their ends by suitable couplings 2. The frame 1 is preferably rectangular in plan. A platform panel 3 is provided at its corners with sleeves 4 which are slidably mounted upon the corner pipe sections of the frame 1. Certain of the sleeves 4 are provided with set screws 5 adapted to engage the corner pipe sections of the frame whereby the platform panel may be held at an adjusted position upon the frame.

Bell crank levers 6 are pivotally mounted at the sides of the frame 1 and a trough 7 is pivotally connected with the inner arms of the bell crank levers 6 and the trough 7 is disposed between the side portions of the frame 1. Spouts 8 are attached to the bottom of the trough 7 and are adapted to lead materials from the trough 7 to bags (not shown) and which are to be positioned upon the platform panel 3 as hereinafter described. Links 9 are pivotally connected with the lower outer arms of the bell crank levers 6 and the said links are also pivotally connected with the upper ends of coil springs 10 which are connected at their lower ends with the sides of the frame 1. The springs 10 are under tension with a tendency to hold the inner arms of the bell crank levers 6 and the trough 7 in elevated positions as shown in the drawing. Bracket members 11 are mounted upon the sides of the frame 1 at points spaced from the points of pivotal connection between the bell crank levers and the sides of the frame 1.

In operation, the bags, hereinbefore referred to but not shown, are stood upon their bottoms and upon the upper surface of the platform panel 3. The trough 7 and the inner arms of the bell crank levers 6 are swung down and the spouts 8 are inserted in the mouths of the bags which are resting upon the platform 3. The lower edges of the inner arms of the bell crank levers 6 rest in the brackets 11. The material to be packaged is poured into the trough 7 and the said material flows down through the spouts 8 into the bags. When the material is poured into the trough 7, the weight of the said material will be sufficient to hold the said trough in its lowered position and the inner ends of the bell crank levers in contact with the brackets 11. As the material flows from the trough through the spout 8 and deposits in the bags, the weight is removed from the trough and when the trough is emptied, the tension of the springs 10 comes into play, and the bell crank levers are swung as hereinbefore described and the trough is elevated from its lowered position to the position as shown in the drawing.

Having described the invention, what is claimed is:

A sacker comprising a frame, a sack support mounted thereon, levers pivoted upon the frame, spring means connected with the levers and the frame for normally holding end portions of the levers in elevated positions, and a trough carried by the levers and having spouts adapted to enter the sacks.

In testimony whereof I affix my signature.

LYMAN O. STARKS.