

No. 824,297.

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G. W. HOPKINS & A. B. CANFIELD.

BIN.

APPLICATION FILED FEB. 11, 1905.

Fig. 2.
13

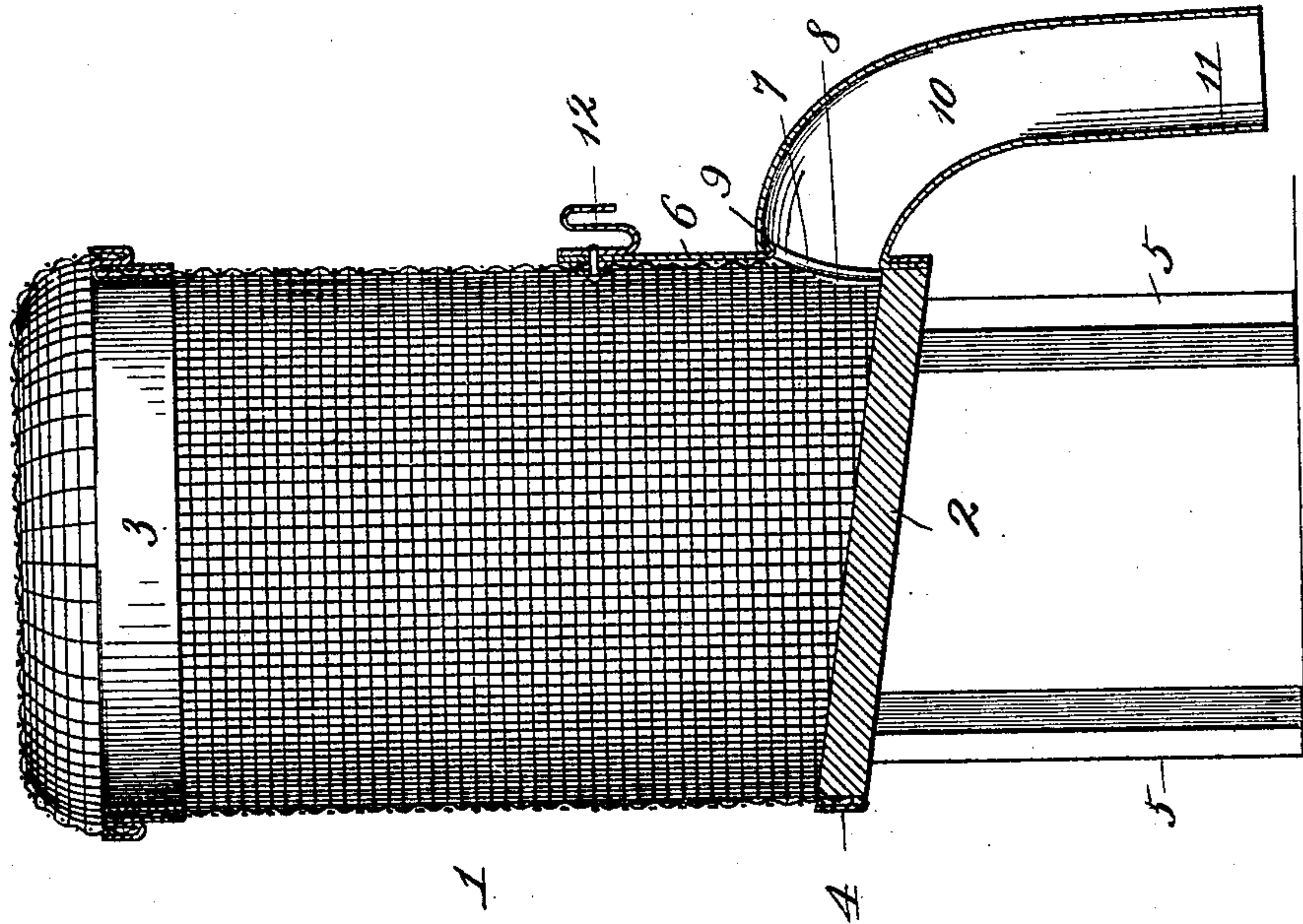
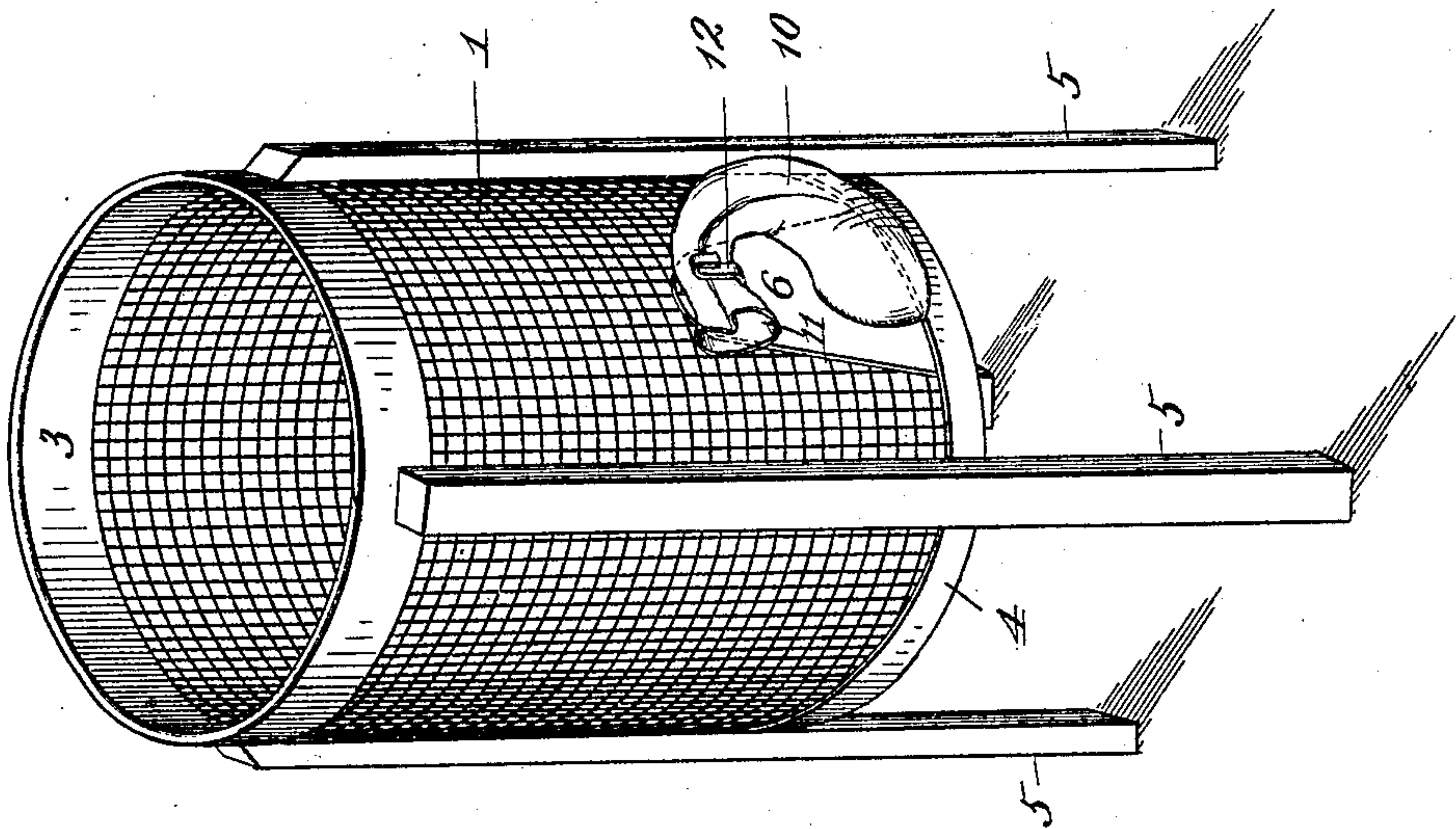


Fig. 1.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. HOPKINS AND ALBERT B. CANFIELD, OF GUTHRIE, OKLAHOMA TERRITORY; SAID CANFIELD ASSIGNOR TO SAID HOPKINS.

BIN.

No. 824,297.

Specification of Letters Patent.

Patented June 26, 1906.

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To all whom it may concern:

Be it known that we, GEORGE W. HOPKINS and ALBERT B. CANFIELD, citizens of the United States, residing at Guthrie, in the county of Logan, Oklahoma Territory, have invented certain new and useful Improvements in Bins, of which the following is a specification.

Our invention relates to improvements in portable bins, barrels, &c., for holding oranges, apples, potatoes, and other fruits and vegetables which will pass freely through a flexible discharge-spout secured to the bin or barrel.

Our object is to provide a bin for grocers and produce dealers wherein fruit and vegetables may be displayed and ventilated and which is closed at the top, so that the loss now incurred by dealers from customers sampling apples, oranges, &c., may be avoided.

A further object is to arrange the bin in such a manner that its contents may be transferred to a peck or bushel measure with less time and labor than when the ordinary method of performing this work by hand is employed.

The invention consists in the novel construction, combination, and arrangement of parts hereinafter described, and pointed out in the claims.

In order that the invention may be fully understood, reference will now be made to the accompanying drawings, in which—

Figure 1 represents a perspective view of our improved bin with the lid removed and the spout suspended in an inoperative position. Fig. 2 is a vertical section of the bin, showing the lid in position thereon and the spout lowered in its operative position.

In carrying out the invention we employ a cylindrical bin 1, composed of woven wire of coarse mesh, a circular inclined bottom portion 2, to which the lower end of the cylinder is secured, and metallic bands 3 and 4, embracing the upper and lower ends, respectively, of the wire and which present a smooth finish and reinforce the ends of the bin.

5 designates a plurality of equally-spaced supporting-legs secured to the bands 3 and 4 and extending below the bin for the purpose of reinforcing the latter and supporting it a suitable distance above the floor.

6 designates a triangular-shaped reinforcing-plate secured to the lower portion of the

bin midway between two of the supporting-legs and provided at its lower portion with an opening 7, registering with a discharge-opening 8 in the lower portion of the bin, the lower edges of said openings being flush with the upper surface of the bottom 2, so that the contents of the barrel may readily pass from said bottom portion through said openings. The edge of plate 6 is turned upwardly around opening 7, as indicated at 9, to form a groove for the reception of a portion of the upper end of a discharge-spout 10. The other portion of said upper end of the spout is secured between band 4 and the adjacent side of bottom portion 2, as clearly shown in Fig. 2. That portion of the spout located in the groove of plate 6 is securely fastened therein by pressing the upturned portion 9 tightly into contact therewith. Spout 10 is composed of canvas or other flexible material, so that its free end 11 may be raised and secured in an upturned hook 12, secured to the upper end of plate 6. Hook 12 is composed of spring metal, so that it will firmly grasp the end of the spout until the latter is released therefrom.

The upper end of the bin is closed by a wire lid 13. This lid may be secured to the bin by means of a lock, as it is intended to be removed only when it is necessary to refill said bin.

In practice the free end of spout 11 is held in an elevated position by means of hook 12. The bin is then filled, and lid 13 is placed in position thereon. When it is desired to fill a peck-measure, the same is placed upon the floor and the free end of spout 10 lowered therein. The inclination and elevation of bottom portion 2 will cause the contents of the bin to pass through said spout until the measure is filled. The spout is then elevated and secured to the hook, thus effectually cutting off further discharge of the contents of the bin.

From the above description it is apparent that we have produced a bin which is simple in construction and well adapted for the purpose intended.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. A portable bin consisting of a foraminous body portion having a discharge-open-

ing through which the contents of the bin are laterally discharged in its lower portion, metallic reinforcing-bands embracing the upper and lower ends of said body portion, legs secured to the bands which reinforce and extend below the body portion, a bottom portion closing the lower end of the body portion and sloping toward the discharge-opening in the latter, a flexible spout communicating with said discharge-opening, and means for securing the discharge end of said spout above the discharge-opening, substantially as described.

2. A bin open at its upper end and provided with a lateral discharge-opening at its lower end, a spout flexible throughout its entire length secured to the bin and communicating with the opening therein, an inclined bottom portion closing the lower end of the bin and having its depressed portion flush with the bottom of the discharge-opening, and a spring-hook for holding the free end of the spout above the discharge-opening.

3. A bin open at its upper end and provided with a lateral discharge-opening at its lower end, a flexible spout secured to the bin and communicating with the opening therein, an inclined bottom portion closing the

lower end of the bin and having its depressed portion flush with the bottom of the discharge-opening, a reinforcing-plate secured to the bin, and a spring-hook secured to said plate for holding the free end of the spout above the discharge-opening.

4. A portable bin consisting of a cylindrical portion composed of woven wire having a lateral discharge-opening at its lower end, metallic bands encircling the ends of said bin, an inclined bottom portion closing the lower end of the bin, supporting-legs secured to said bin and extending a suitable distance below its inclined bottom portion, a reinforcing-plate secured to the lower portion of the bin and provided with an opening registering with the discharge-opening, a flexible spout communicating with the opening and the plate, and a hook secured to the upper portion of the plate for holding the free end of spout above the discharge-opening.

In testimony whereof we affix our signatures in the presence of two witnesses.

GEORGE W. HOPKINS.
ALBERT B. CANFIELD.

Witnesses:

MICHAEL WHITE,
ELIAS ACKRES.