July 17, 1923.

1,462,407

O. HAUENSTEIN

DISPENSING AND MEASURING DEVICE

Filed July 27, 1922

2 Sheets-Sheet 1

Fig. 1

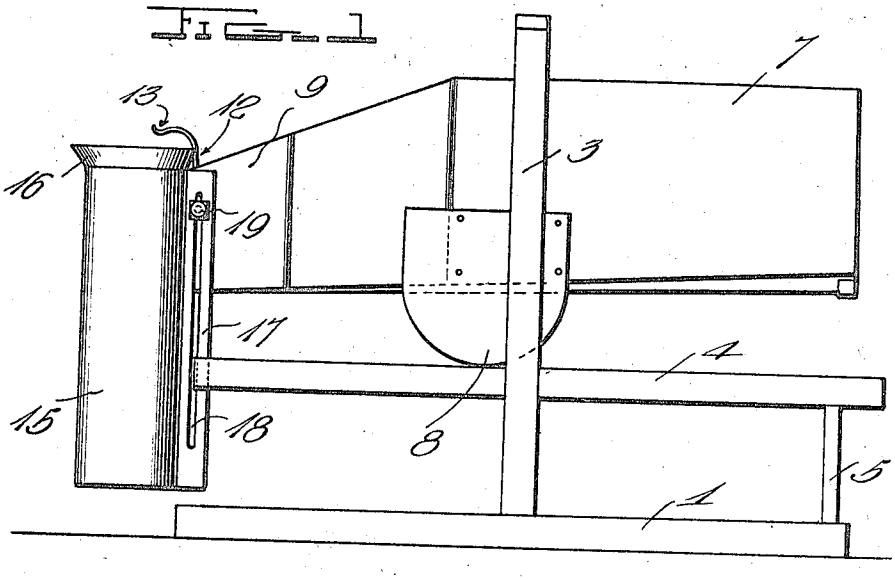
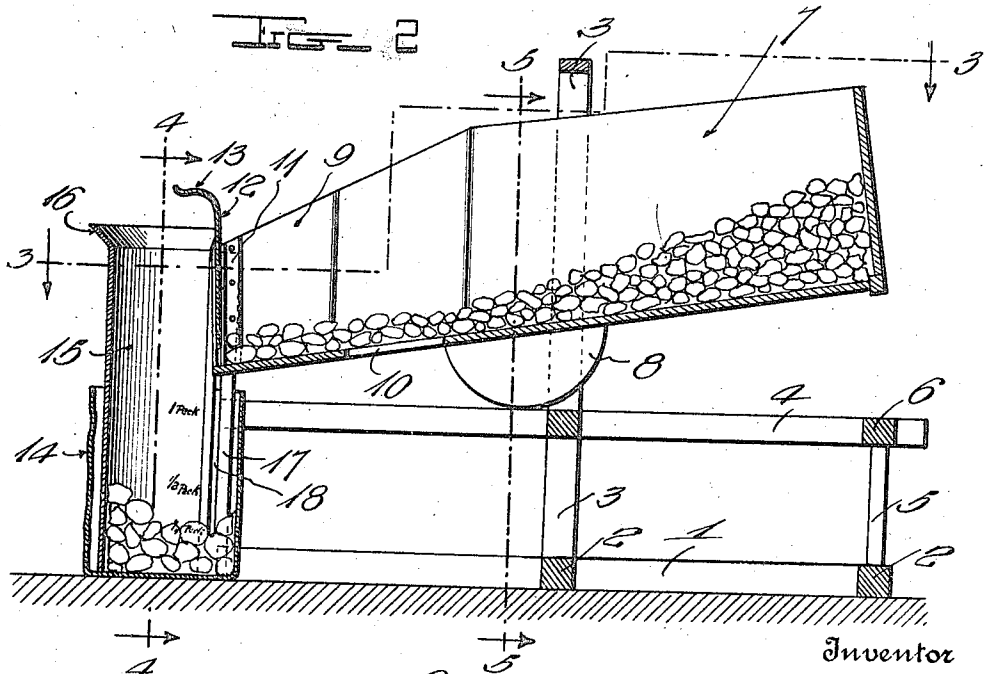


Fig. 2



Witness

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FIG. 3

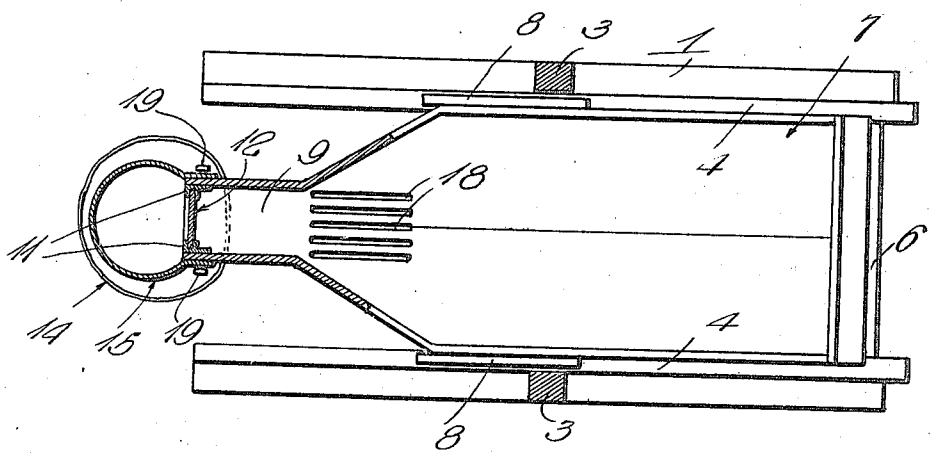


FIG. 4

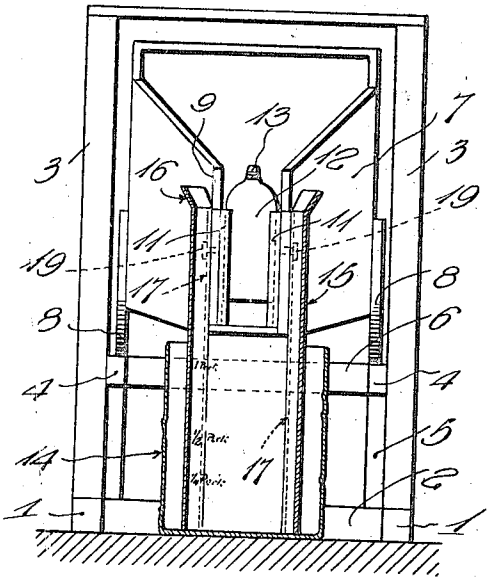
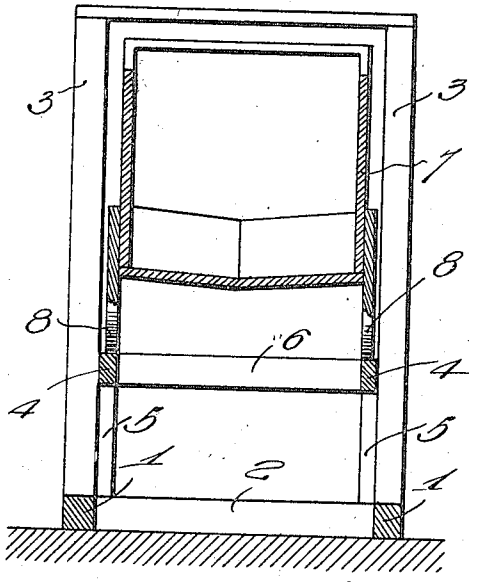


FIG. 5



Witness

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UNITED STATES PATENT OFFICE.

OSCAR HAUENSTEIN, OF UNIONTOWN, PENNSYLVANIA.

DISPENSING AND MEASURING DEVICE.

Application filed July 27, 1922. Serial No. 577,953.

To all whom it may concern:

Be it known that I, OSCAR HAUENSTEIN, a citizen of the United States, residing at Uniontown, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Dispensing and Measuring Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains, to make and use the same.

This invention relates to an improved dispensing device and one object of the invention is to provide a dispensing device having a container mounted in an improved manner so that it may be readily tilted to cause the contents to pass out through the discharge spout at the forward end of the container and guided into a receptacle by means of an improved measure carried by the discharge spout of the container.

Another object of the invention is to so construct this measure that it may be moved into a receptacle placed upon the floor beneath the forward end portion of the container and the contents of the container caused to pass into the measure until the measure has been filled to the desired point, the measure being then drawn upwardly out of the receptacle to leave the material in the receptacle.

Another object of the invention is to provide improved means for mounting the container upon the forward end of the discharge spout of the container.

Another object of the invention is to so construct this measure that it may be slidably and pivotally connected with the forward end portion of the spout of the container and prevented from having transverse movement.

This invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a view showing the improved device in side elevation.

Figure 2 is a vertical longitudinal sectional view through the device.

Figure 3 is a horizontal longitudinal sectional view on line 3—3 of Fig. 2.

Figures 4 and 5 are transverse sectional views taken along the line 4—4 and 5—5 of Fig. 2.

This improved dispensing and measuring device includes a support or frame having lower side bars 1 connected at their rear ends by cross bars 2. Standards 3 extend upwardly from the side bars 1 and serve to carry track-forming bars or strips 4 which have their rear end portions supported by struts 5 and braced by a cross bar 6. The container 7 is mounted upon this support or frame between the vertically disposed bars 3. This container extends longitudinally of the supporting frame and is provided with rockers 8 which rest upon the track-forming bars 4. It will thus be seen that the container can be readily tilted from a substantially horizontal position as shown in Fig. 1 to the position shown in Fig. 2. When in the position shown in Fig. 2, the potatoes or other material placed in this container will move forwardly into the constricted forward end portion of the container and out through the spout extension 9 thereof. The constricted forward end portion of the container has been provided with slots 10 so that any dirt which may have accumulated in the container and moved forwardly with the potatoes may pass through the slot and thus be prevented from passing out through the discharge spout 9 with the potatoes. Adjacent its open outer end, the spout has been provided with side strips 11 which form tracks to slidably mount the closure door 12. It will thus be seen that after a certain number of the potatoes have passed out through the spout, the door can be grasped by the handle portion 13 and readily moved to a closing position.

In order to guide the potatoes into the paper bag or other receptacle 14 which will be placed upon the floor in front of the supporting frame, there has been provided a tubular measure 15 which is open at its upper and lower ends and provided at its upper end with a flared neck portion 16. This measure 15 is open at one side and its open side is provided with side flanges 17 which will extend upon opposite sides of the spout 9. These flanges 17 are provided with longitudinally disposed slots 18 so that bolts 19 which extend from the side walls of the spout 9 may pass through the slots. By having these bolts passing through the slots 18, the measure can be moved vertically to extend it into the receptacle 14 or move it out of the receptacle and further this construction permits the container to be tilted with the measure extending into the receptacle. It will thus be seen that when the device is in use, the measure can be extended downwardly into the sack which has been placed

upon the floor and the container can then be tilted. The door will be moved open a sufficient amount to permit potatoes to pass through the spout and into the measure and as soon as the measure has been filled to the desired point, the door can be closed. The container can then be allowed to return to the substantially horizontal position and the measure moved upwardly until its lower end extends above the bag. The bag can then be removed and the measure either allowed to slide downwardly again or secured in the raised position by simply tightening the securing nuts of the bolts 19. Measure marks will of course be provided upon the inner face of the measure as shown in Fig. 2 so that the operator can look down into the measure and readily tell when the desired quantity of material has been allowed to pass into the measure. Since the lower end of the measure will be closed by the bottom of the bag 14, the potatoes will be held in the measure until the measure is moved upwardly. The fact that the bag will be drawn into close contact with the flanges 17 beneath the container prevents the potatoes from passing out of the measure between the flanges.

I claim:

1. A dispensing and measuring device comprising a container having a spout extension open at its outer end, an open ended measure having its side provided with a longitudinally extending inlet opening, and means for slidably and pivotally connecting said measure with the outer end portion of the spout of said container.

2. A dispensing and measuring device comprising a container having a spout extension open at its outer end, an open ended measure having its side provided with a longitudinally extending inlet opening, flanges extending from said measure at the sides of the inlet and extending upon opposite sides of said spout, and means pivotally and slidably connecting said flanges with the side of said spout.

3. A dispensing and measuring device comprising a container mounted for rocking movement, said container having its forward end in the form of a spout extension open at its forward end, an adjustable closure for the open forward end of said spout, and a vertically disposed measure open at its ends and having an opening along one side, flanges extending from the sides of the side opening upon opposite sides of the spout portion of said container and provided with longitudinally extending slot, and side pins extending from said spout through said slots to slidably and pivotally connect the measure with the spout.

4. A device of the character described comprising a support including track means, a container upon said support held against transverse movement and having rockers resting upon said track means to mount the container for tilting to a dumping position, said container having its forward end portion provided with a discharge spout, and a measure connected with said spout for extending into a receptacle.

In testimony whereof I have hereunto affixed my signature.

O. HAUENSTEIN.