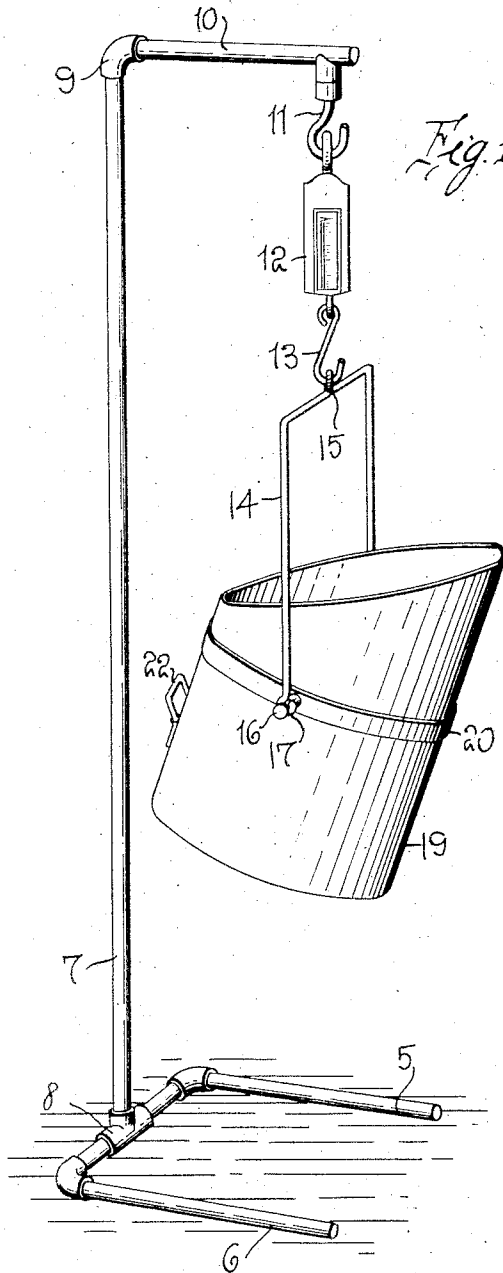
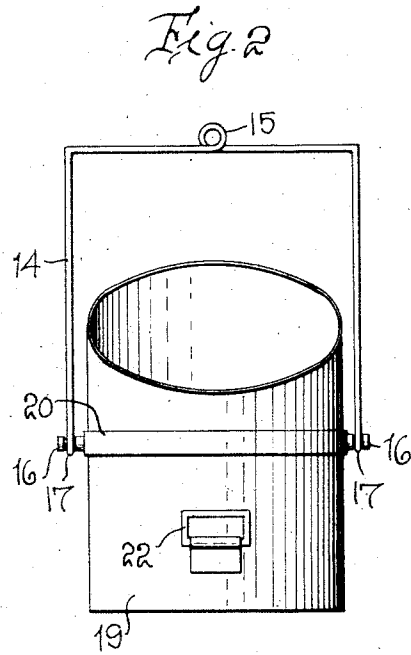
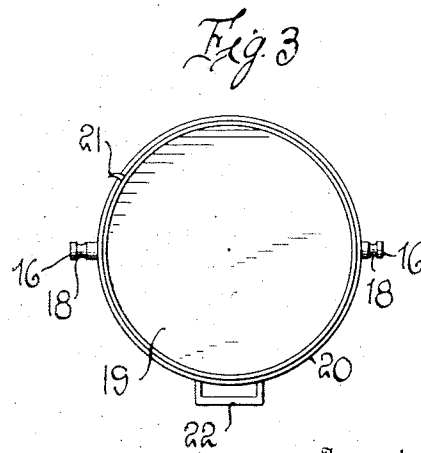


C. F. NELSON.
WEIGHER AND SACKER.
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1,217,334.

Patented Feb. 27, 1917.



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CARL FREDRICK NELSON, OF COUNCIL BLUFFS, IOWA.

WEIGHER AND SACKER.

1,217,334.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CARL F. NELSON, a citizen of the United States, residing at Council Bluffs, in the county of Pottawattamie and State of Iowa, have invented certain new and useful Improvements in Weighers and Sackers, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention is a weigher and sacker.

One object of this invention is to provide a device such as a weigher and sacker so that commodities in bulk may be easily and quickly weighed.

15 Another object is to provide a receptacle that may be readily attached to or detached from the hook of a spring balance or other measuring instrument.

20 A further object is to provide a receptacle having a scoop-like open end that is pivotally mounted so that the contents therein may be quickly and easily dumped or put into a bag or sack, after weighing.

25 A still further object is to provide a stand from which may be suspended a spring balance or other measuring instrument to which may be connected a pivotally mounted or carried receptacle.

30 One purpose of the invention is to provide a pivotally mounted receptacle having a scoop-like open end and adjacent this opening and upon one side of the receptacle, positioning a hook or other projection to engage with one portion of a sack which 35 may be stretched over and cooperate with the open end of the receptacle so that one hand may be employed for tilting, while the other hand is holding the other side of the bag or sack.

40 Broadly stated, the invention comprises a stand having a horizontally extended arm to carry a spring balance or other measuring instrument, a pivotally mounted receptacle having a scoop-like open end suspended 45 from the balance so that the commodities may be quickly and readily stored and dumped without the use of an additional funnel or additional handling and provide adjacent the open end of the receptacle a 50 hook or projection to engage with one side of a sack or bag, while the other end is held by one hand across the open end when sacking or packing.

One practical form of the invention will

be described and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view;

Fig. 2 is a rear elevation of the receptacle;

Fig. 3 is a top plan view.

The stand comprises a foot rest which 60 consists of two spaced foot members 5 and 6. These members may be connected to the vertical member 7 in any convenient way, one of which is indicated by the T joint 8. The upper end of the vertical member 7 65 carries a quarter elbow 9 and from the other opening of this elbow there extends an arm 10. Adjacent the outer end of the arm 10 there may be positioned a swivel hook 11.

A spring balance 12 may be connected 70 with the swivel hook 11, as indicated in Fig. 1. This spring balance may be of any usual or customary form that it may be desired to use. In the type shown, this spring balance is provided at its lower end with an 75 S-hook 13.

A bail 14 is provided which has a suitable loop 15 to connect it with the S-hook 13 of the spring balance 12. As shown this bail 14 is U-shaped and the vertical mem- 80 bers of the U have their lower ends so formed that they will cooperate with the pivot members 16. These pivot members 16 are preferably so positioned that they will project from the sides of the receptacle 85 to which they are securely attached.

The bail 14 is preferably provided with loops or eyes 17 to engage with the pivot members 16 with as little friction as possible. These pivot members 16 are provided with 90 a cylindrical bearing portion 18 which is of less diameter than the normal diameter of the pivot. The eyes 17 are adapted to engage with the bearing portion 18 of the pivots. 95

The receptacle 19 which is suspended 95 from the spring balance 12, by means of the bail 14 and the pivot members 16, is preferably cylindrical in shape, the bottom of which receptacle is preferably closed. 100 The upper end of the receptacle is so formed that it is scoop-like in order that when a commodity has been placed within the receptacle, it may be guided into a sack or bag or box when the receptacle has been 105 tilted. The pivot members 16 are preferably positioned upon the receptacle so that its center of gravity is relatively low in

order that the receptacle will not tilt of its own accord.

Intermediate of the vertical height of the receptacle 19, there may be positioned a strengthening band 20, as shown. Adjacent the open end of the receptacle and upon one side of the scoop-end, there may be positioned a hook or projection 21. This hook or projection serves to hold a bag or sack in position when the same is stretched across the scoop-end of the receptacle, so that the other end of the bag may be held by one hand of the operator. Adjacent the bottom of the receptacle and upon the rear side thereof, a suitable handle 22 may be positioned. This handle may be of any usual or customary form.

In practical operation, the commodity in bulk or bulky commodities, such as potatoes and fruit which it is desired to weigh or measure by weight, may be placed within the receptacle in one operation. After they have been weighed, a bag or sack has one end caught on the projection and the scoop-end of the receptacle inserted into the bag or sack, the other end being held by the operator's hand. As shown the weigher and sacker is adapted to be used so that the right hand holds the bag or sack adjacent the scoop-end of the receptacle, while the left hand is used to tilt the receptacle by means of the handle. As the receptacle will rotate freely by means of its pivots coöperating with the eyes, the receptacle may be readily and easily dumped. Thus with the

device, the motions are restricted to those which will cause the greatest efficiency in handling the material and, therefore, tend to save time.

The several parts entering into the construction of this weigher and sacker, may be formed of such material as is most suitable and convenient to use so that a maximum amount of strength and rigidity will be given to the several parts.

Minor changes in the form and details of construction may be resorted to without departing from the spirit of my invention or the scope of the appended claim.

Having thus described this invention, what is claimed is:—

A stand including a base, and a horizontally positioned arm; a spring balance carried by the arm, a detachable receptacle having an angularly formed open end, a plurality of pivots oppositely disposed on the receptacle so that the weight is disposed below the pivots, a hook member extending from the side of the receptacle adjacent the open end thereof and a U-shaped bail connecting the pivots on the receptacle with the spring balance, the bail and pivots operating to permit a tilting movement of the receptacle.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

CARL FREDRICK NELSON.

Witnesses:

MARK PETERSON,
H. O. THOMAS.