

Jan. 10, 1928.

1,655,533

F. J. CAMPAGNA

BAG FILLER

Filed Aug. 2, 1927

FIG. 1

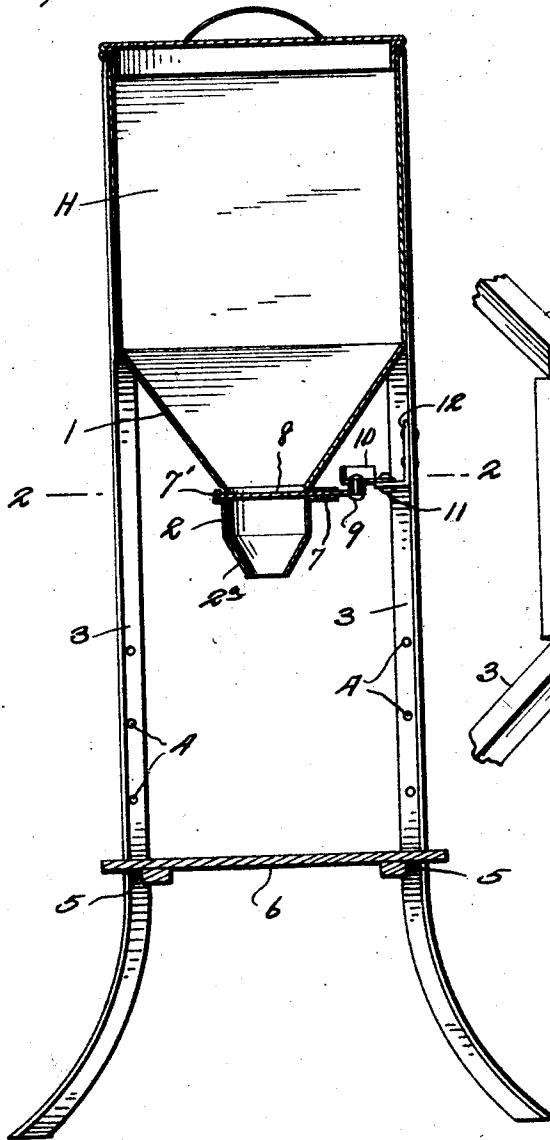
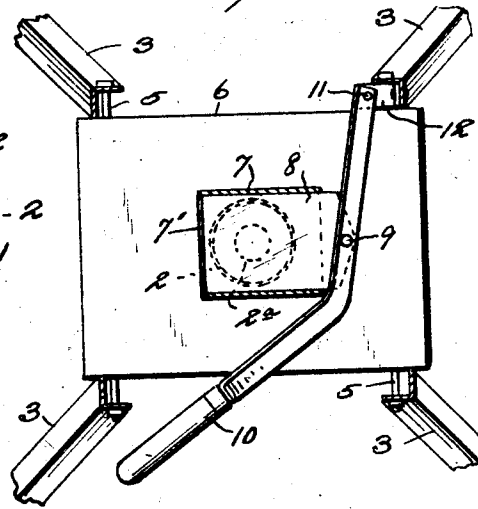


FIG. 2



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Patented Jan. 10, 1928.

1,655,533

UNITED STATES PATENT OFFICE.

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BAG FILLER.

Application filed August 2, 1927. Serial No. 210,134.

This invention relates to bag fillers and it is an object of the invention to provide a device of this kind which can be used to advantage by a merchant in the dispensing of sugar, beans or kindred commodities.

It is also an object of the invention to provide a device of this kind which embodies a container or hopper having a valve controlled discharge spout whereby said valve may be conveniently moved into open or closed position.

An additional object of the invention is to provide a device of this kind embodying a hopper provided with a valve controlled discharge spout together with means for supporting a scale below the hopper so that the material or commodity discharged from the hopper into a bag may be readily and conveniently weighed.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved bag filler whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a vertical sectional view taken through a bag filler constructed in accordance with an embodiment of my invention;

Figure 2 is a sectional view taken substantially on the line 2—2 of Figure 1, portions of the supporting legs being broken away.

As disclosed in the accompanying drawing, H denotes a hopper of desired capacity provided with the tapered bottom 1 leading to a depending spout 2 having its lower portion 2^a inwardly tapered to facilitate the requisite filling of a bag.

The hopper H is maintained at desired height through the medium of the corner legs 3 preferably angle irons, and said legs being provided therealong with the spaced openings 4 through which the rods 5 are adapted to be selectively disposed. These rods 5 support a table or platform 6 permitting a suitable weighing scale to be arranged below the hopper H, or more particularly the spout 2 thereof, so that in practice the mate-

rial as discharged through the spout 2 into a bag may be readily and conveniently weighed.

The spout 2 is secured directly to and depends from the lower wall of a sheath or casing 7, the upper wall of which being connected directly to the lower portion of the tapered bottom 1 of the hopper H. This sheath or casing 7 is relatively thin and its upper and lower walls have their central portions cut away in order to permit desired flow from the hopper H out through the spout 2.

Snugly fitting within the sheath or casing 7 is a flat plate valve 8 which, when at the limit of its inward movement, shuts off the flow of the hopper contents through the spout 2. This plate valve is of a length to have an end portion at all times disposed outwardly of the sheath or casing 7 and said extended portion of the valve 8 is pivotally connected, as at 9, with an elongated operating lever 10, one end portion of this lever 10 being pivotally connected as at 11, with an inwardly disposed bracket 12 secured to one of the corner legs 3.

Upon proper manipulation of the lever 11 flow of the hopper contents may be prevented or such flow may be regulated as the requirements of practice may prefer.

It is to be noted that the rear end of the sheet 7 is open as at 7' in order to permit sugar or other small particles to pass out and thus preventing clogging of the valve 8 which would otherwise interfere with the effective closing thereof.

From the foregoing description it is thought to be obvious that a bag filler constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

A bag filler comprising a hopper having a depending discharge spout in communication therewith, supporting legs for the hopper, a platform supported by the legs below

the hopper, a sheath interposed between the hopper and the spout, a flat valve slidably disposed in said sheath for controlling the flow of the hopper content out through the spout, a lever operating in a horizontal plane, means for pivotally connecting the same with one of the legs, and means for pivotally connecting the lever with the valve whereby swinging movement of the lever imparts sliding movement to the valve.

In testimony whereof I hereunto affix my signature.

FRED J. CAMPAGNA.