

J. SCHMIDT.
SACK HOLDER.

APPLICATION FILED JUNE 30, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

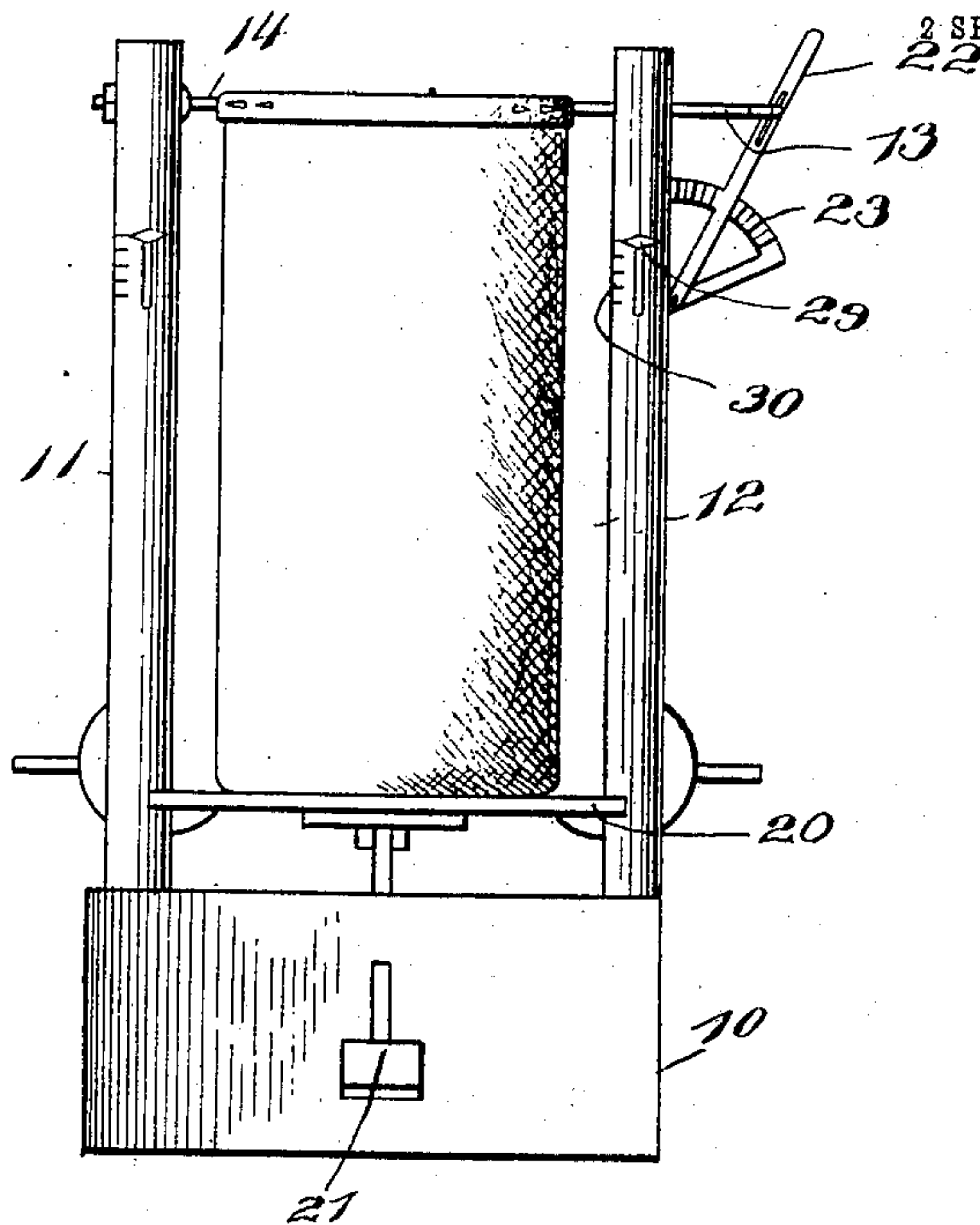
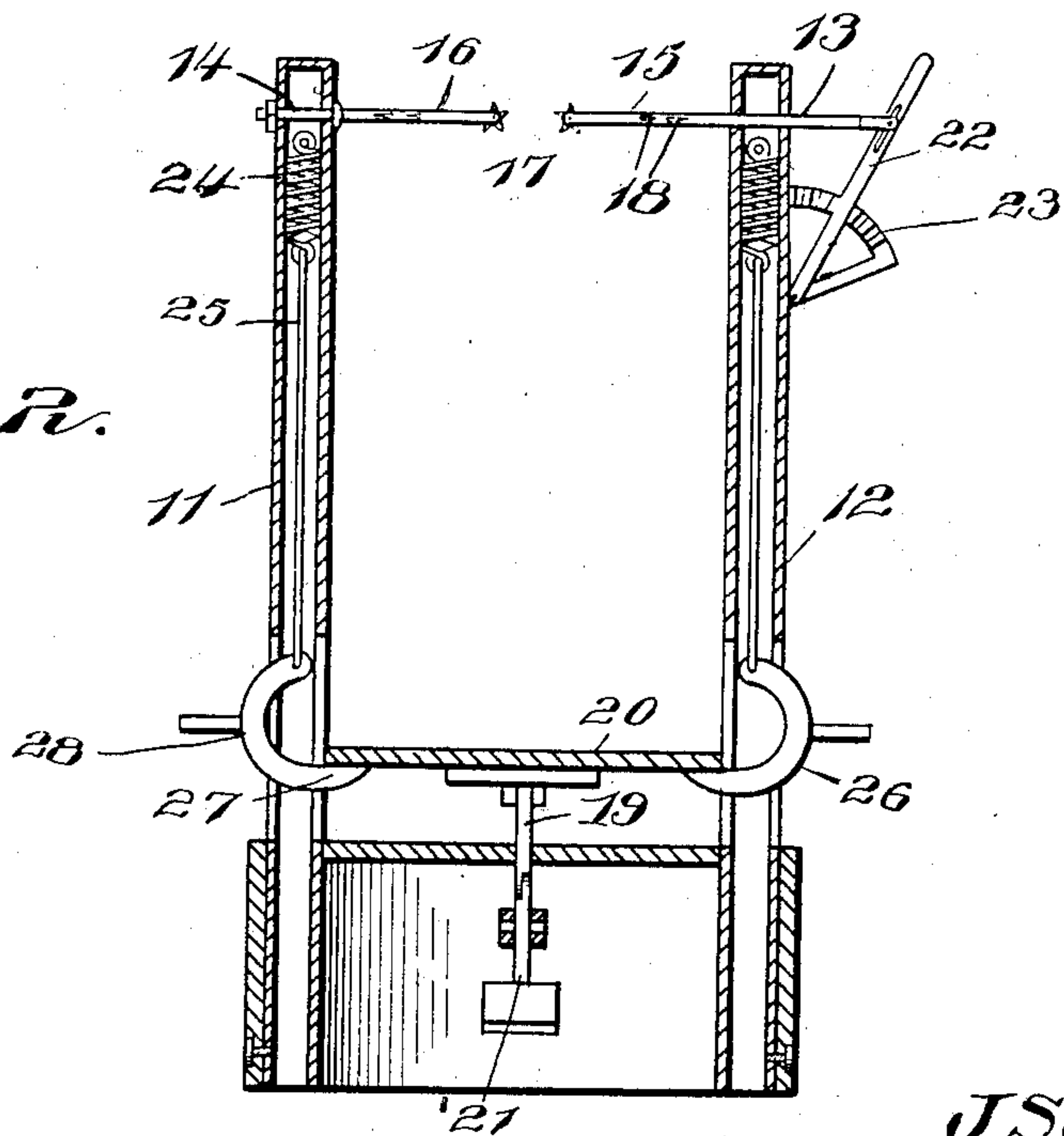


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

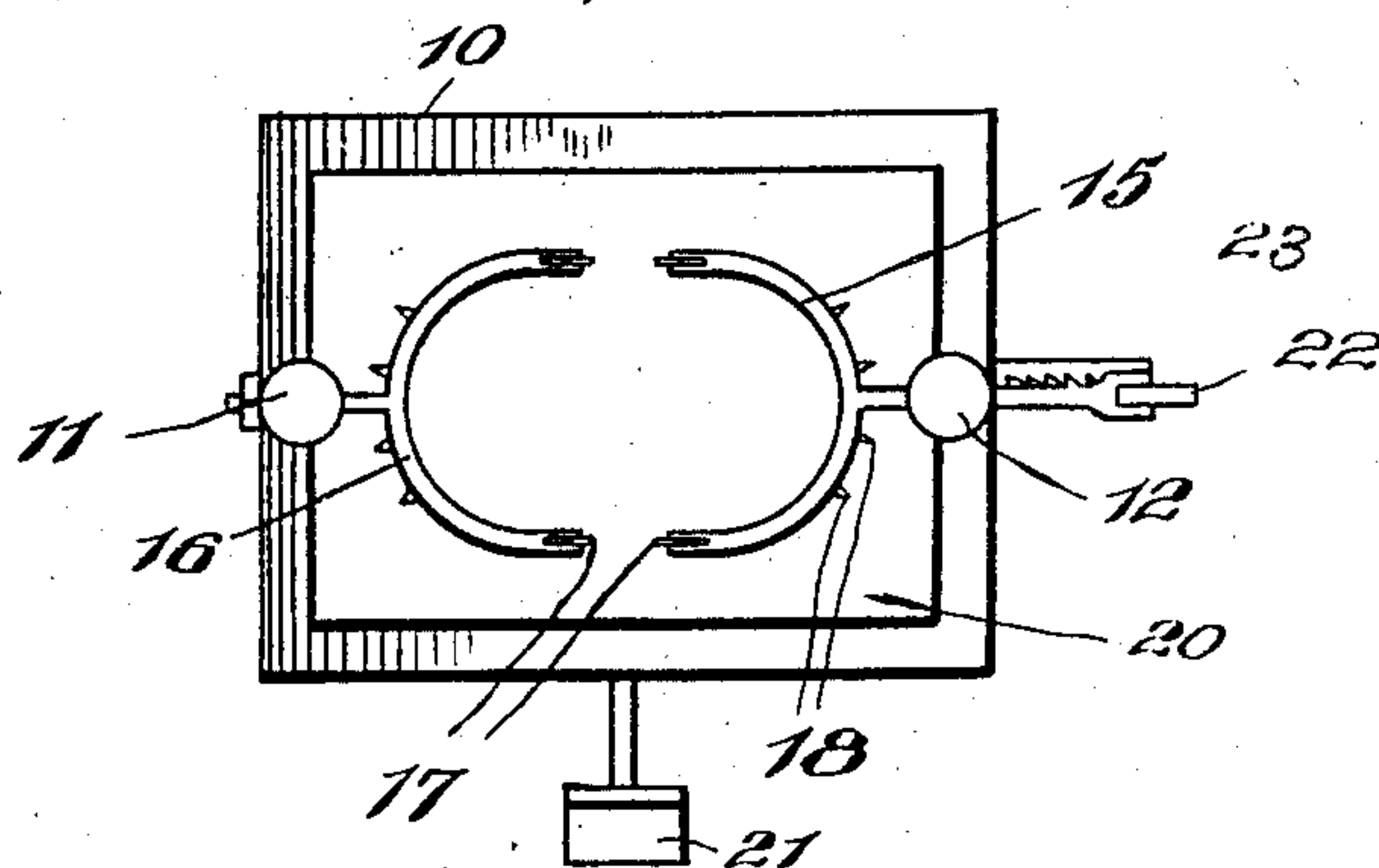
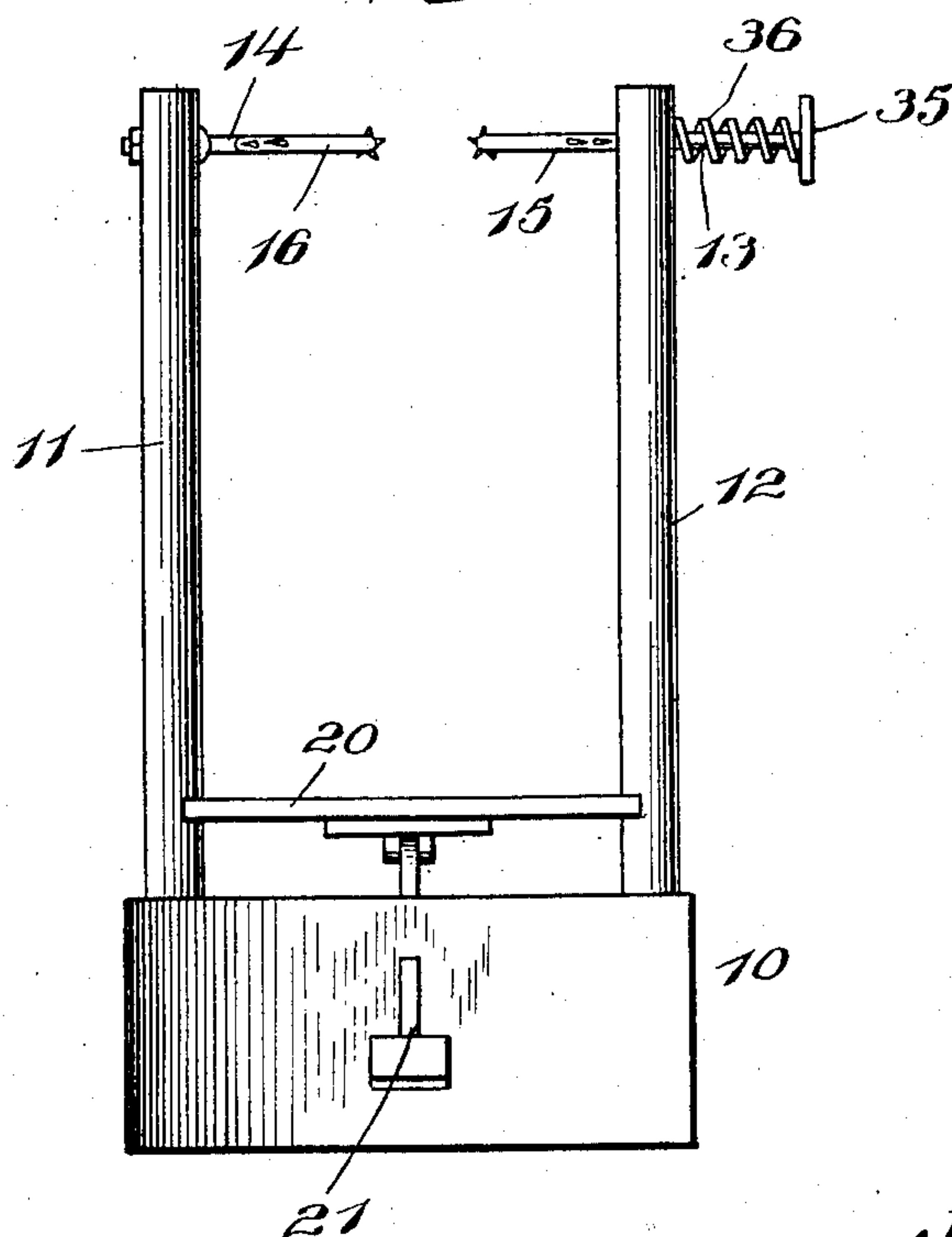


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN SCHMIDT, OF UBET, MONTANA.

SACK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 736,553, dated August 18, 1903.

Application filed June 30, 1902. Serial No. 113,797. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCHMIDT, a citizen of the United States, residing at Ubet, in the county of Fergus, State of Montana, have invented certain new and useful Improvements in Sack-Holders; and I do hereby 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 sack-holders; and it has for its object to provide a construction which will hold a sack erect and open in position to be filled, which may be operated to insure proper settling of the contents of the sack, and which may be operated to weigh the sack and its contents.

A further object of the invention is to provide a construction wherein the several operations enumerated may be effected without disengaging the sack or displacing it in any way.

Other objects and advantages of the invention will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation of one form of the invention with a bag in position and ready for filling. Fig. 2 is a vertical section of the construction shown in Fig. 1 and illustrating the weighing devices. Fig. 3 is a top plan view. Fig. 4 is a view showing the second form of the invention.

Referring now to the drawings, and more particularly to Figs. 1, 2, and 3 thereof, there is shown a construction comprising a base 10, upon which are the uprights 11 and 12, at the upper ends of which are mounted the stems 13 and 14 of arc-shaped supporting members 15 and 16, said stems extending from the convex faces of the members 15 and 16, midway of the ends of the latter, and having rowels 17 at their ends, while from their convex sides and adjacent to the stems project pins 18.

In the base 10 is slidably mounted the vertical stem 19 of a platform 20, the lower end of which rests upon the end of the foot-lever or pedal 21, which is fulcrumed in the base, so that when the outer end of the pedal is de-

pressed the platform will be raised, and by raising the platform and then permitting it to drop suddenly the bag and its contents will be jolted and the contents will be caused to settle.

The bag to be filled is placed upon the platform 20 and the top thereof is disposed between the holding members 15 and 16 and the top of the bag spread and engaged over the rowels and pins 17 and 18. To accommodate bags of different diameters, the stem 13 of the holding member 15 is slidably mounted in the upright 11, and connected to its outer end is a hand-lever 22, which is fulcrumed to the upright 11, so that when the hand-lever is operated the stem 13 will be reciprocated to move the member 15 toward and away from the member 16. The lever 22 has a knife-edge in engagement with the notched segment 23 to hold it at different points of its adjustment.

To provide for weighing the bag and its contents, a helical spring 24 is fixed at its upper end in each of the uprights 11 and 12, and connected to the lower end of each of these springs by a wire or rod 25 is a hook 26, both the bill 27 and the bight 28 of which project through slots in the opposite sides of the corresponding upright. There are two of these hooks, as illustrated, and their bills project inwardly between the uprights and into position below the platform 20, so that when the foot-lever is released the platform will be supported by the hooks or suspended from the helical spring. The helical springs have pointers 29, which project through slots in the uprights in active relation to scales 30, marked on the uprights. The pointers or indexes 29 indicate upon the scale the weight upon the platform. When the bag is being filled and is to be jolted to settle its contents, the hooks 26 are swung from engagement with the platform.

In Fig. 4 of the drawings there is shown a construction wherein the base 10 has uprights 11 and 12, as in the structure shown in Fig. 1, and in the base is mounted a foot-lever 21, which carries the platform 20, which receives the bag and which may be moved vertically by the lever to cause the contents of the bag to settle.

In the upper end of the upright 11 is mounted the stem 14 of an arc-shaped supporting member 16, corresponding to that shown in Fig. 1, while in the upper end of the upright 12 is mounted the stem 13 of an arc-shaped supporting member 15, which corresponds to the member 15 in Fig. 1, these arc-shaped members being adapted to receive and hold the upper end of the bag, as above described.

10 The stem 13 has a handle 35 at its upper end, and disposed upon the stem between the handle and the upright 12 is a helical spring 36, which holds the member 15 normally and yieldably in contact with the upright 12.

15 When the members 16 and 16 are to be engaged with the bag or sack to be supported, the member 15 is moved in the direction of the member 16 and the bag is engaged, this movement of the member 15 being against the

20 action of the helical spring 36. The member 15 is then released and the spring in drawing

the member 15 rearwardly acts to hold the mouth of the bag open.

What is claimed is—

A bag-holder comprising a base having tubular uprights, means carried by the uprights for supporting the upper end of the bag, a platform mounted between the uprights for vertical movement, weighing devices mounted in the uprights and including members projecting from the uprights and movable into and out of position to support the platform, and a foot-lever disposed to engage and support the platform independently of the weighing devices.

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

JOHN SCHMIDT.

Witnesses:

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