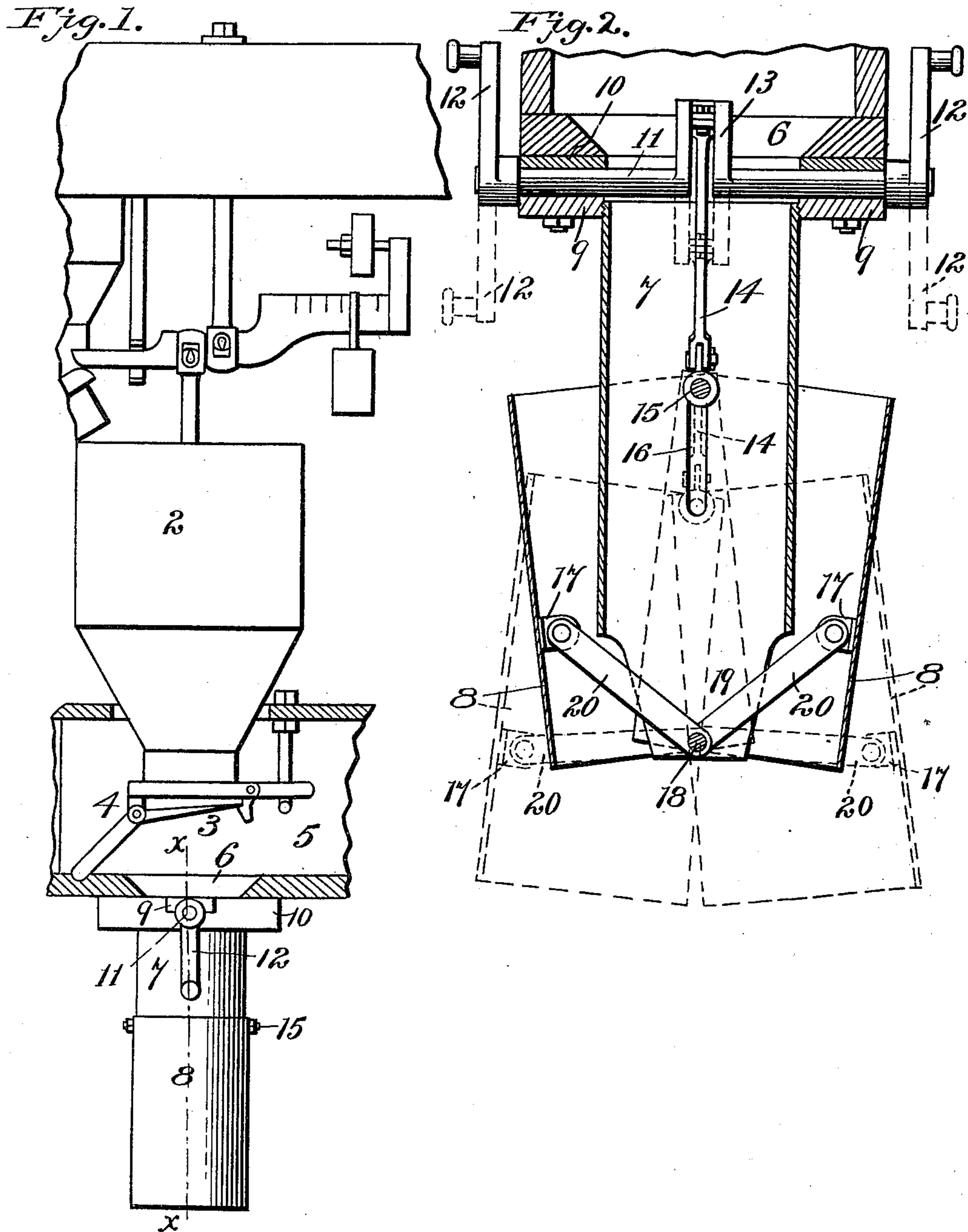


No. 632,175.

Patented Aug. 29, 1899.

D. S. COOK.
BAG OR SACK HOLDER.
(Application filed Apr. 25, 1899.)

(No Model.)



WITNESSES:

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INVENTOR

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UNITED STATES PATENT OFFICE.

DAVID S. COOK, OF SELLERSBURG, INDIANA.

BAG OR SACK HOLDER.

SPECIFICATION forming part of Letters Patent No. 632,175, dated August 29, 1899.

Original application filed August 10, 1898, Serial No. 688,264. Divided and this application filed April 25, 1899, Serial No. 714,418. (No model.)

To all whom it may concern:

Be it known that I, DAVID S. COOK, a citizen of the United States, and a resident of Sellersburg, in the county of Clark and State of Indiana, have invented certain new and useful Improvements in Bag or Sack Holders; 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a side elevation, partly in section, of the invention as applied. Fig. 2 is a section on line *x x*, Fig. 1, illustrating the operation of the sleeve-sections 8.

This invention is designed to provide certain new and useful improvements in bag or sack holders especially designed for use in connection with weighing-machines such as described in my application for patent August 10, 1898, Serial No. 688,264, of which this application is a division; and the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claims.

In the accompanying drawings the numeral 2 designates a weight-box; 3, the discharge-valve thereof; 4, the operating mechanism for said valve; 5, a box or casing into which said box discharges its contents after they have been weighed, and which is formed with a discharge-opening 6 in its bottom. Secured to the casing around said opening is a depending pipe 7, which carries the bag or sack holder. This holder consists principally of approximately semicylindrical expanding sleeves 8, which surround the lower portion of the pipe 7. These sleeve-sections are controlled in their operation by the following-described mechanism:

Journaled in bearings 9 of the casting 10 is a rock-shaft 11, whose laterally-projecting end portions are formed with cranks 12. The central portion of said shaft 11 has a crank

13, to the pin of which is connected the upper end of a link 14. The lower end of this link is pivotally connected to the central portion of a transverse pin 15, upon which the sleeve-sections 8 are hung and which has vertical play in slots 16 in the pipe 7.

Riveted or otherwise firmly secured to each sleeve-section 8 a short distance above its lower end is a lug 17, and connecting the said lugs with a fixed pin 18, supported in downward extensions or projections 19 of the pipe 7, are links 20.

It will be readily understood that by turning the cranks 12 in a direction to move the link 14 downwardly, thereby depressing the pin 15 in the slots 16, the sleeve-sections 8 will be opened or expanded, as shown in dotted lines in Fig. 2, thereby securely holding the sack or package into the mouth of which they have been inserted and also completely inclosing such mouth. A reverse movement of the crank will contract said sections.

Although for purposes of illustration I have shown the device in connection with particular weighing apparatus forming the subject of another application, above referred to, it is obvious that it may be used in connection with other machines.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a depending discharge pipe or chute, of a bag or sack holder therefor, consisting of two pivoted expandible sleeve-sections carried by said pipe or chute and means for operating in a vertical plane said sections to expand and contract them, substantially as specified.

2. The combination with a discharging pipe or chute of the bag or sack holder therefor, consisting of the expandible sleeve-sections, a transverse pin which carries said sections and which is loosely seated in vertical slots of said pipe or chute, a rock-shaft, a link connecting a crank of said shaft with the said pin, and links which loosely connect the sleeve-sections and the said pipe or chute, substantially as specified.

3. The combination with a discharge pipe
or chute of the bag or sack holder therefor,
consisting of two expansible semicylindrical
sleeve-sections, links connecting said sections
5 to the lower portion of said pipe or chute, a
vertically-movable connection between the
upper portions of said sections and the pipe
or chute, an operating-shaft, and a connec-
tion between said shaft and the said movable
connection, substantially as specified. 10
In testimony whereof I affix my signature
in presence of two witnesses.
DAVID S. COOK.

Witnesses:

ALEX. W. TIPPETT,
W. S. SPEED.