

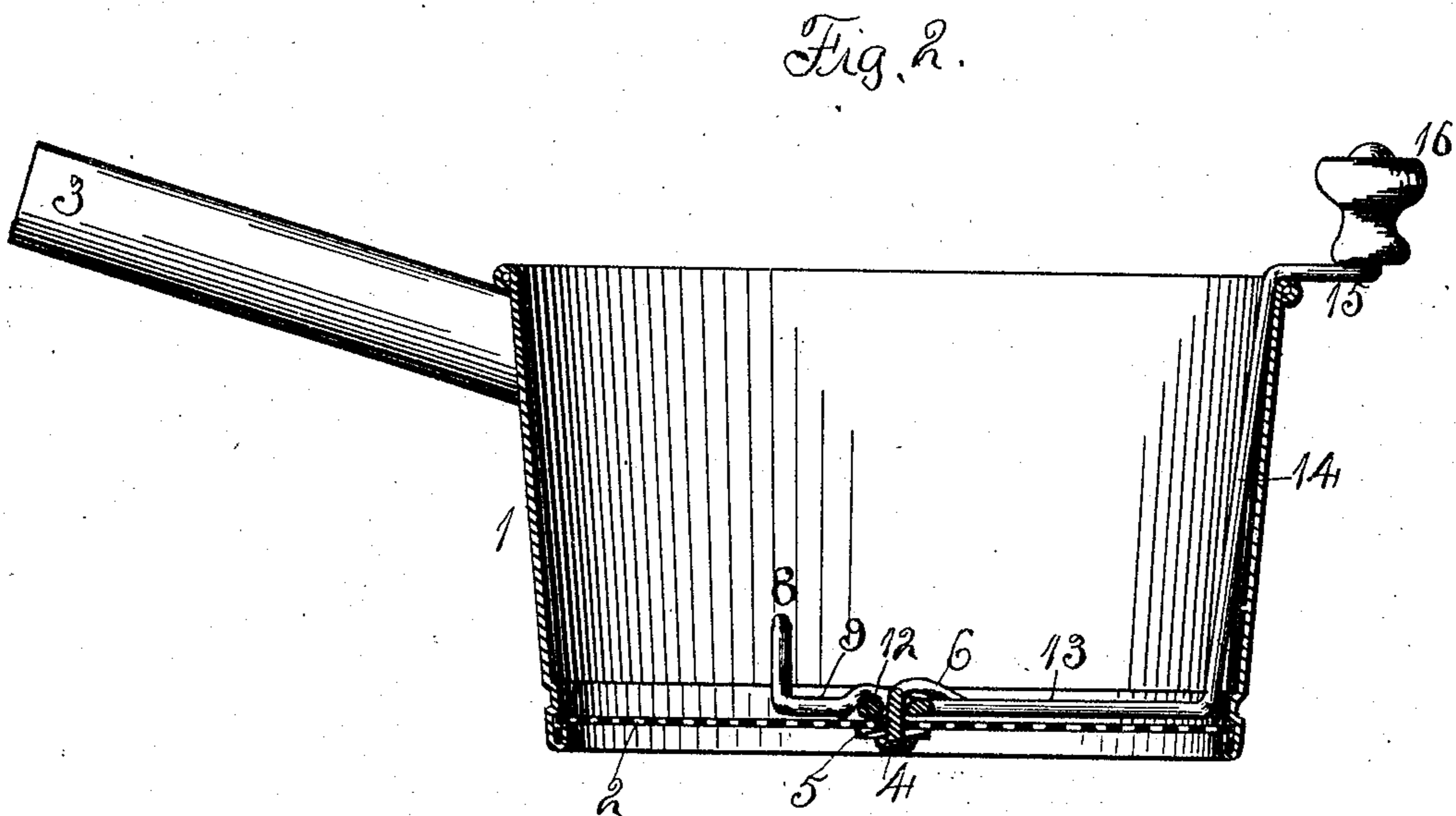
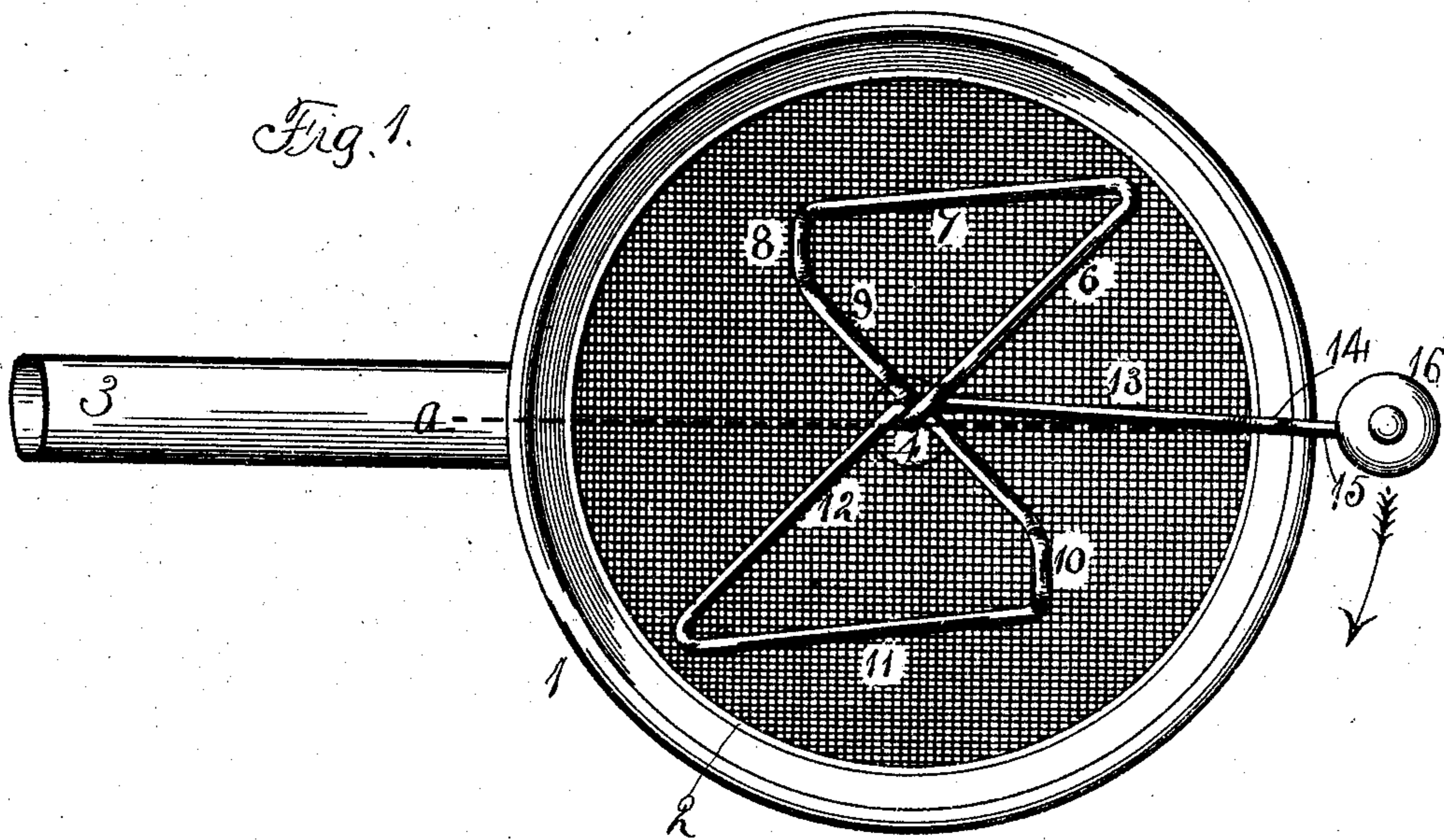
No. 791,215.

PATENTED MAY 30, 1905.

C. A. ROSELAND.

SIFTER.

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UNITED STATES PATENT OFFICE.

CARL A. ROSELAND, OF ROCKFORD, ILLINOIS.

SIFTER.

SPECIFICATION forming part of Letters Patent No. 791,215, dated May 30, 1905.

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To all whom it may concern:

Be it known that I, CARL A. ROSELAND, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Sifters, of which the following is a specification.

The object of this invention is to provide a pivotal connection between the agitator and screen-bottom of the sifter, so that the sifters may be nestled together for shipment without removing the agitator.

In the accompanying drawings, Figure 1 is a plan view of my improved sifter. Fig. 2 is a section on dotted line *a*, Fig. 1.

The main portion of the sifter comprises the body 1 in conical or tapered form, having a bottom 2, of screen material, held in place by the lower edge of the body portion. A handle 3 has a connection with the body portion near its upper edge. The agitator is made of wire bent in the form shown in the drawings and commencing with the vertical short section 4, passing through the screen-bottom 2, through the washer 5, and headed on the under side of the washer. After passing upward through the screen-bottom it extends radially along the upper surface of the bottom, forming the arm 6, thence at an acute angle, forming the bar 7, thence with an upturned bend 8, thence by arm 9 under the arm 6 close to the vertical portion 4, thence upward, forming the bend 10, thence toward the outer edge of the bottom by the arm 11, thence radially by the arm 12 to the center and passing underneath the arms 6 and 9, thence radially by the arm 13 to the outer edge of the bottom, thence vertically by the arm 14 to the top of the body portion, and finally horizontally by the section 15, to which is connected a handle 16. By this arrangement of the agitator from the junction of the branches 6 and 7 to the

junction of the branches 11 and 12 it will be seen that nearly the entire surface of the bottom will be gone over as the agitator is rotated and the upward bends 8 and 10 will further agitate the flour.

By locating the branch 13 between the branches 6 and 9 and passing under these branches near the vertical section 4 when rotated in the direction indicated by the arrow the branches will be bound more firmly together.

It will be noticed that the only pivotal support for the agitator is its connection with the screen-bottom, and by so pivoting the agitator the body portion is comparatively free above the agitator, so that the sifters can be nestled together for shipment without removing the agitator.

By locating the vertical portion 14 in close proximity to the inner surface of the body 1 said portion will act as a scraper in removing particles adhering to the inner surface of the body. By reason of the section 15 resting on the upper edge of the body it will prevent the section 13 from bearing too hard on the screen-bottom.

I claim as my invention—

A sifter comprising a tapered cylindrical body portion open at its top larger end, a flat screen secured to the smaller end of the body portion, an agitator located within the body portion and having a non-detachable pivotal connection with the center of the screen-bottom, one arm of the agitator extending toward the edge of the body portion, thence upward along the body portion, and thence outward and resting in contact with the upper edge of the body portion.

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