No. 629,802. Patented Aug. 1, 1899.

# W. H. MOORE.

## SIFTER.

(Application filed Feb. 21, 1899.)

(No Model.)

Fig. 1.

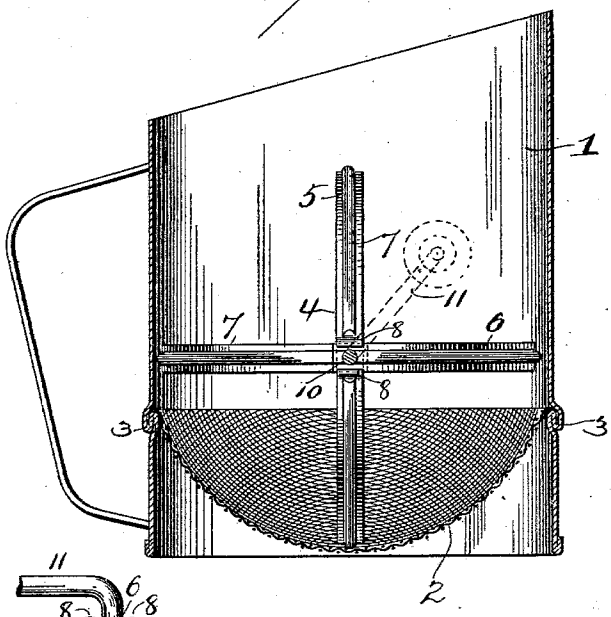



Fig. 2.

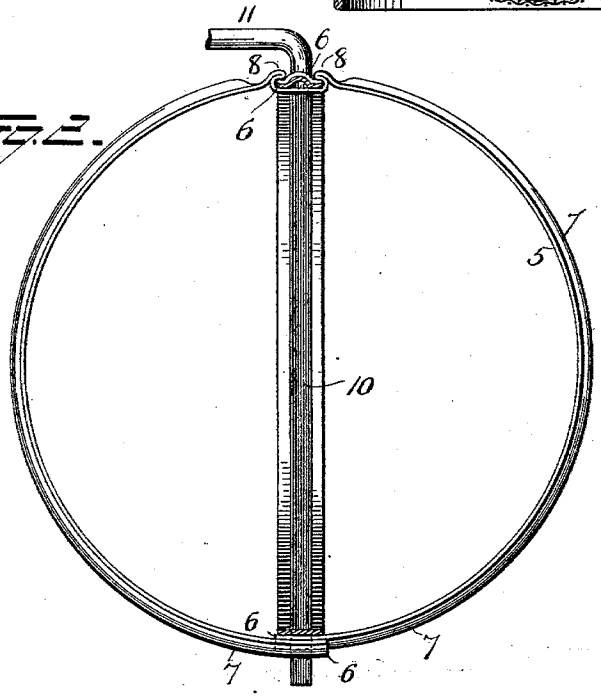
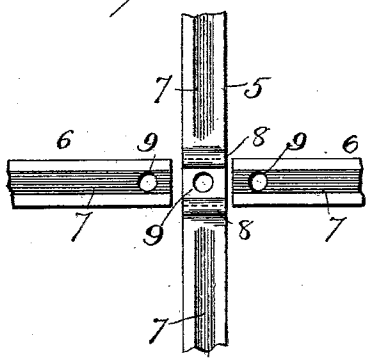



Fig. 3.




WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM H. MOORE, OF BALTIMORE, MARYLAND, ASSIGNOR TO HENRY F. MILLER AND GEORGE MILLER, OF SAME PLACE.

## SIFTER.

SPECIFICATION forming part of Letters Patent No. 629,802, dated August 1, 1899.

Application filed February 21, 1899. Serial No. 706,350. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. MOORE, a resident of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Sifters; 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.

My invention relates to an improvement in flour-sifters, the object of the invention being to provide a sifter which will be extremely simple in construction, cheap to manufacture, and strong and durable when in operation.

A further object is to improve, strengthen, and cheapen the construction of agitators for sifters.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view, partly in section, illustrating my improvements; and Figs. 2 and 3 are detail views.

1 represents the cylindrical body of the device, and 2 the screen or sieve. The body 1 is made of a single sheet of tin or similar material and is provided near its bottom with an external bead 3. The bead 3 when first formed projects outwardly practically at right angles from the body 1, and the peripheral edge of the screen or sieve 2 is inserted into the bead. The bead is then mashed down so as to lie parallel with the outer face of the body 1, with the edge of the screen or sieve clamped in it. An agitator 4 is disposed in said cylindrical body 1 and is adapted to scrape or rub across said screen, whereby to sift the flour or other contents of the receptacle through same. The agitator 4 is composed, preferably, of two circular strips of sheet metal 5 and 6, having a raised central web or bead 7, whereby to strengthen same and present a rounded smooth surface to the screen 2. Each strip 5 and 6 is bent centrally between its ends to form inwardly-projecting lugs or flanges 8, whereby to receive and clamp the edges of the overlapping ends of the other strip or member. The ends and central portions of each strip or member are provided with holes 9, in alinement with each other, whereby to receive a shaft 10, projecting outside of said cylinder and provided on its end with a crank-arm 11, as shown, for turning same. The agitator may be secured on the shaft 10 by any means desired; but for all ordinary purposes I employ solder for securing the agitator, as the solder not only serves to secure the parts together, but also serves to strengthen the agitator where it joins the shaft.

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

As an article of manufacture, an agitator for a sifter comprising two circular strips, each strip bent centrally between its ends to form pockets for the reception of the ends of the other strip to connect said strips together, and journals secured to said strips where they overlap.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM H. MOORE.

Witnesses:

HARRY CRAVER,

CHAS. S. W. BOULDIN.