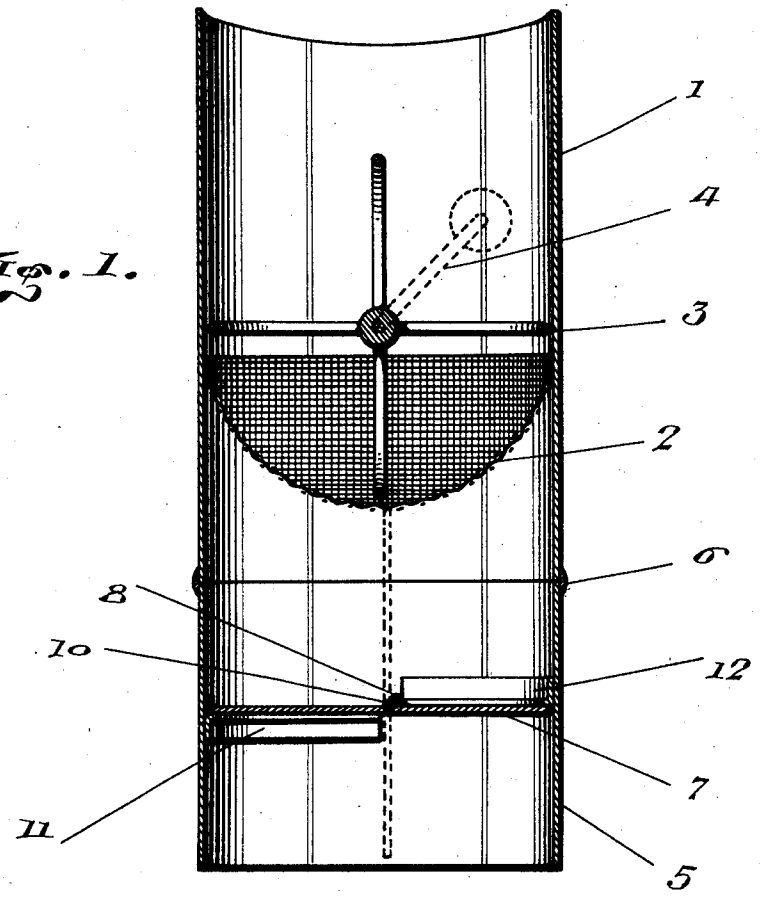
E. M. BECKMAN.

HOUSEHOLD SIFTER.

APPLICATION FILED DEC. 13, 1919.

1,345,058. Patented June 29, 1920.

Fig. 1.



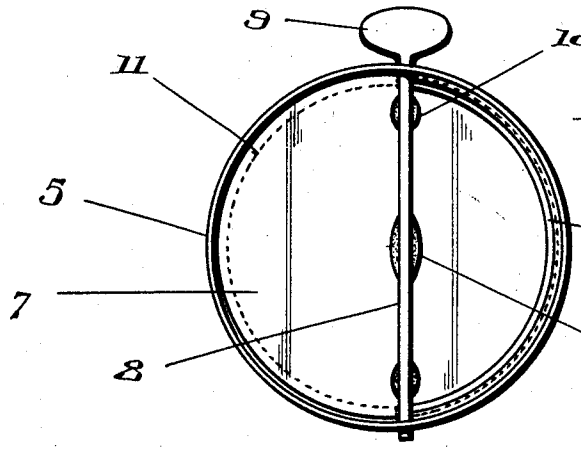


Fig. 2.

Witness

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EDWARD M. BECKMAN, OF CHESTERTON, INDIANA.

HOUSEHOLD SIFTER.

1,345,058. Specification of Letters Patent. Patented June 29, 1920.

Application filed December 13, 1919. Serial No. 344,549.

To all whom it may concern:

Be it known that I, EDWARD M. BECKMAN, a citizen of the United States, residing at Chesterton, in the county of Porter and State of Indiana, have invented new and useful Improvements in Household 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.

The present invention relates to household sifters, such as are used for sifting flour and other fine material, and it is the object of the invention to provide such a sifter having means for holding the sifted material and enabling same to be dumped or discharged in a quantity.

It is the object of the invention to provide a sifter having a closure or valve below the sieve or screen for holding the material thereon, and adapted to be turned at will for the discharging of the material, so that the sieve can be set on a table during operation, after which the sieve can be emptied conveniently.

It is also the object to provide such a device which is extremely simple and inexpensive in construction, which can be set on a table or other support with the closure or valve either open or closed, which can be readily repaired, and which can be kept clean and sanitary.

With the foregoing and other objects in view, which will be apparent as the description proceeds, the invention resides in the construction and arrangement of parts hereinafter described and claimed, it being understood that changes can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:—

Figure 1 is a vertical section of the improved sifter.

Fig. 2 is a plan view of the improved device removed from the sifter proper.

The sifter comprises a vertical cylindrical open ended body 1 having secured therein a concaved semi-spherical sieve or screen 2 above which the beater or agitator 3 works, being operated by a crank 4 as usual.

A cylindrical open ended extension 5 is disposed below the body 1 and is of the same diameter, the abutting ends of said body and extension being secured together by solder 6 on the exterior. This solder 6 can be heated and melted conveniently for removing the extension 5 when making repairs.

Disposed within the extension 5 of the body 1 is a circular closure or valve 7 of the "butterfly" type, and a rod 8 extends through opposite sides of the extension 5 at one side of the center over the valve 7. Said valve is soldered to said rod, as at 10, and the rod has a handle or finger piece 9 at one end outside of the extension 5 for conveniently turning said valve to open and closed positions. The rod 8 being disposed at one side of the center of the valve, makes one wing of the valve of greater weight than the other so as to have a tendency to swing downwardly thereby retaining the valve in closed position. An arcuate member 11 of angular cross section has one flange secured to the wall of the extension 5 with its ends terminating adjacent to the rod 8, and a similar member 12 has one flange secured to the wall of the member at the opposite side of the rod 8 with its ends also terminating adjacent to said rod. The other flanges of said members extend inwardly and form seats for the wings of the valve, the heavier wing seating downwardly on the member 11, and the smaller wing seating upwardly against the member 12 as seen in Fig. 1. In this position the valve closes the lower end of the body, so as to support the sifted material therein, and by turning the valve, the material can be discharged.

The extension 5 of the body extends sufficiently below the valve to support the sifter on a table or other surface with the valve in either closed or open position, and the rod 8 is spaced a distance below the sieve 2 so that when the valve is open and swung to vertical position, the free edge of the larger wing will contact with the sieve to hold the valve open.

Repairs can be easily made by loosening the solder 6 for detaching the extension 5, and by loosening the solder 10, the valve 7 and rod 8 can be removed.

Having thus described the invention, what is claimed as new is:—

1. A sifter comprising a body, a sieve within the body, and a butterfly valve mounted within the body below the sieve to swing to a position to close the body and

support the sifted material, one wing being engageable with the sieve when the valve is swung open.

2. A sifter comprising a body having an extension, a sieve within the body, a beater working above the sieve, and a butterfly valve mounted within said extension, one wing of said valve being heavier than the other, and said sieve and valve being arranged for the contact of said wing of the valve with the sieve, when swung upwardly.

3. A sifter comprising a body, an extension secured to the lower end of said body for removal, a sieve within the body, a beater working above said sieve, a rod extending through said extension, and located at one side of the center thereof, a valve within the extension secured to said rod, the larger wing of the valve being swingable upwardly into engagement with said sieve, and arcuate members carried by the wall of said extension with their ends adjacent to said rod and forming seats for said valve when closed.

In testimony whereof I hereunto set my hand.

EDWARD M. BECKMAN.