No. 627,363. Patented June 20, 1899.

J. G. TAYLOR.

SIFTER.

(Application filed Oct. 8, 1898.)

(No Model.)

Fig. 1.

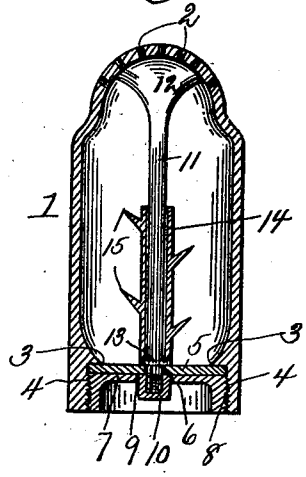
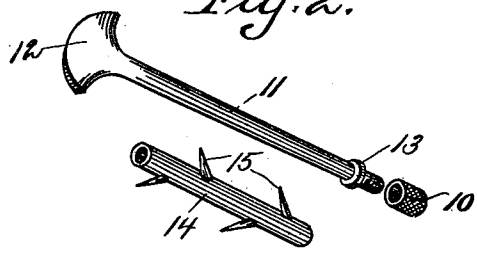


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

JOSEPH GARIBALDI TAYLOR, OF PITTSBURG, PENNSYLVANIA.

SIFTER.

SPECIFICATION forming part of Letters Patent No. 627,363, dated June 20, 1899.

Application filed October 8, 1898. Serial No. 693,023. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH GARIBALDI TAYLOR, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Sifters; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in salt, spice, or sugar sifters, and has for its object to provide a sifter which will not corrode and one which at the same time, owing to its peculiar construction, will keep its contents in a powdered condition.

In describing my invention reference is had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a vertical sectional view of my improved sifter. Fig. 2 is a perspective view of the improved pulverizer detached.

In describing my invention the numeral 1 indicates the sifter proper, which may be made of any suitable material, the top portion of which is provided with the usual outlets 2 for the contents. Formed internally and adjacent to the bottom of the sifter is a flange or shoulder 3. The portion of the sifter below the said flange or shoulder 3 is provided with an internal screw-thread 4. 5 indicates a cap provided with a central opening 6 and is held tightly up against the said shoulder or flange 3 by means of a base-cap 7, which is provided with screw-threads 8, adapted to engage with the said threads 4 at the lower portion of the sifter. The said base-cap 7 is provided with a central opening 9 somewhat larger than the opening 6 in the cap 5, and said opening 9 is adapted to receive the pulverizer-cap 10.

11 indicates a suitable rod terminating at its upper end in a knob 12 of the same contour of and adapted to fit against the top of the sifter. The lower end of the said rod 11 is screw-threaded, as shown, and is adapted to be passed through the openings in the said caps 5 and 7 and to engage with the screw-threads within the said pulverizer-cap 10.

13 is a flange formed upon the rod 11 and is adapted to rest upon the cap 5 when the pulverizer is in position. 14 indicates a cylinder which is slidingly mounted upon the said rod 11 and is provided with a series of alternately-arranged outwardly-projecting spikes 15, which moves on the rod when the sifter is shaken and keeps the contents in a powdered condition.

The operation of my device will be readily apparent. The pulverizer-rod being rigidly held in position within the sifter a very slight movement of the sifter will be all that is necessary to cause the pulverizer to move up and down upon the rod, thereby pulverizing the contents of the sifter in an exceedingly effective manner.

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

1. In combination with a sifter provided with a removable bottom portion, a pulverizer consisting of a rod having slidingly mounted thereon, a cylinder provided with a series of spikes, substantially as described.

2. A sifter provided with a removable cap at its bottom portion, a vertical rod mounted in said removable cap and extending the entire length of said sifter, and a cylinder slidingly mounted on said rod, and provided with a series of alternately-arranged integral projecting spikes, substantially as described.

3. A sifter consisting of a body portion the inner side of which is provided with a shoulder near the bottom thereof, a cap 5, a base-cap 7 adapted to hold said cap 5 against said shoulder, said base-cap 7 and cap 5 each being provided with a central opening, a rod extending upwardly within said sifter, the lower end of said rod being extended through said central openings in said caps 7 and 5 and provided with a nut or cap 10 adapted to securely hold it in position, said rod having slidingly mounted thereon a cylinder provided with a series of alternately-arranged spikes, substantially as described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

JOSEPH GARIBALDI TAYLOR.

Witnesses:
D. B. OAKS,
D. B. ALLEWELT.