(No Model.)

J. A. LOWE.

FLOUR SIEVE.

No. 263,547. Patented Aug. 29, 1882.

Fig. 1.

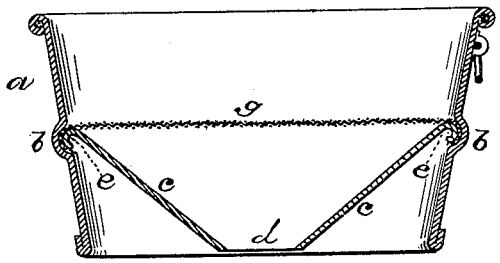


Fig. 2.

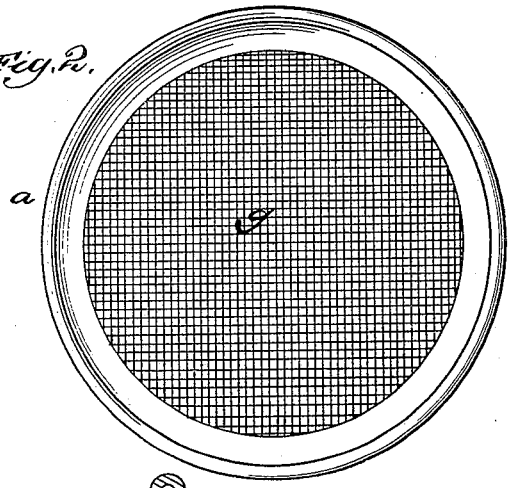
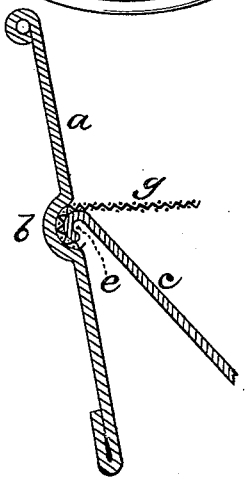


Fig. 3.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH A. LOWE, OF GAINESVILLE, TEXAS.

FLOUR-SIEVE.

SPECIFICATION forming part of Letters Patent No. 263,547, dated August 29, 1882.

Application filed July 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. LOWE, a citizen of the United States, and a resident of Gainesville, in the county of Cooke and State of Texas, have invented a new and valuable Improvement in Flour-Sieves; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a vertical sectional view of my sieve. Fig. 2 is a top view of the same, and Fig. 3 is a detail sectional view.

This invention has relation to flour-sieves; and the novelty consists in the construction and arrangement of the upwardly-flaring outer wall, circularly creased around its middle part, and the inner more flattened conical guide-wall, provided with the wire-cloth stretched across its top and about its upper edge, said guide-wall being sprung into or secured to the crease of the outer wall, the latter extending downward to the level of the discharge of the guide-wall, all as hereinafter set forth.

In the accompanying drawings, the letter *a* designates the outer wall or rim portion of the sieve, which is made in upwardly-flaring form, and is creased around its middle part from the inside outward, as indicated at *b*. This rim portion or outer wall may be wired in the usual manner at one or both of its edges, and may be provided with a ring or handle.

c represents an inner conical guide-wall, the inclination of which is greater than that of the outer wall, *a*. It is therefore more flattened in form, converging more rapidly to its discharge-opening *d*. The outer rim, *e*, of this guide-wall is bent over and rounded downward, and to it is attached the marginal portion of the wire-cloth or sieve disk *g*, which is stretched across the top of the guide-wall. The depth of this guide-wall is about equal to that of the lower part of the outer wall, *a*, below the crease *b*, and said guide-wall is designed to be equal in diameter to that of the wall *a* at the crease, so that the edge *e* of the guide-wall, with the overlapping margin of the wire-cloth, can be sprung into the crease, and will be held therein by the elasticity of the parts. A more secure fastening can be effected, if desired, by soldering the edge of the guide-wall into the crease. The guide-wall *c* is entirely below the wire-cloth, and serves to guide the flour rubbed through the sieve downward and inward to its small discharge-opening *d*, so that it can be more accurately directed in its deposit than if the opening were as large as that of the outer wall, *a*. The broad rim wall extending down to the level of the cone discharge affords a support to the sieve, forms a guard to prevent somewhat the escape of flour-dust laterally, and facilitates materially the manipulation of the sieve.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

A flour-sieve having the upwardly-flaring outer wall, circularly creased around its middle part, and the inner more flattened conical guide-wall, provided with the wire-cloth stretched across its top and about its upper edge, said guide-wall being sprung into or secured to the crease of the outer wall, the latter extending downward to the level of the discharge of the guide-wall, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH ALFRED LOWE.

Witnesses:

A. E. DODSON,

W. S. GORE.