

G. C. EASTMAN.
Flour-Sieve.

No. 164,436.

Patented June 15, 1875.

Fig. 1.

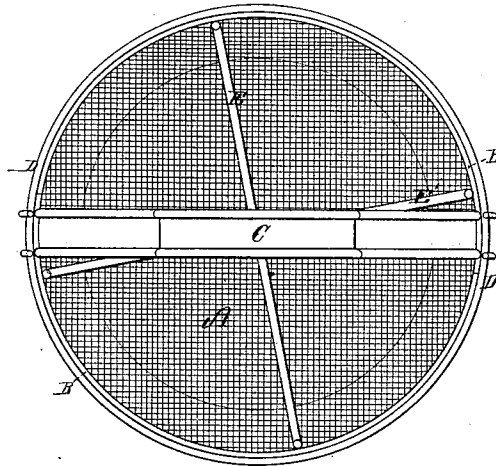


Fig. 2.

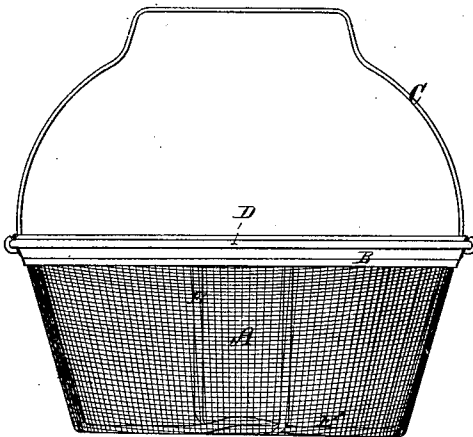
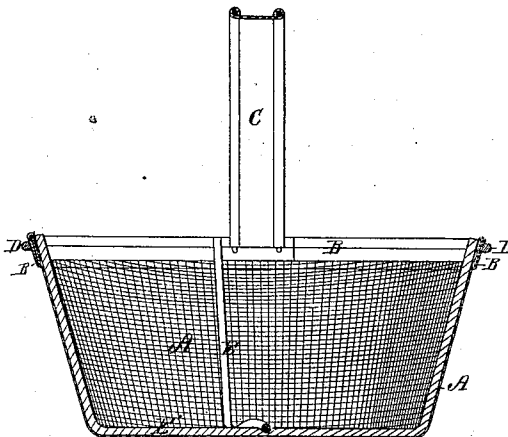


Fig. 3.



Witnesses
S. N. Piper
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UNITED STATES PATENT OFFICE.

GEORGE C. EASTMAN, OF LEWISTON, MAINE.

IMPROVEMENT IN FLOUR-SIEVES.

Specification forming part of Letters Patent No. **164,436**, dated June 15, 1875; application filed February 27, 1875.

To all whom it may concern:

Be it known that I, GEORGE C. EASTMAN, of Lewiston, of the county of Androscoggin, of the State of Maine, have invented a new and useful Improvement in Flour-Sifters; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a transverse section, of one of my improved sifters.

When a sifter is composed simply of a wire cloth or woven-wire body, an encompassing rim, and an arched handle extending up from said rim, all as shown in United States Patent No. 5,248 of reissues, granted January 21, 1873, to Lucy S. Nourse, it has been found in practice that such, though very useful, has little durability, as, owing to the downward pressure required for its successful use, the body soon collapses or breaks away from the rim.

To obviate this difficulty is the object of my invention; which consists in the combination of a strengthening-cross of wire arranged within the body, and to extend over its bottom and up its sides to and be fastened to the rim.

In the drawings, A denotes the body of woven wire, B the rim, C the handle, D the outside ring, and E E' the internal cross, this latter being composed of the two wires E E', crossing one another at their middles at right angles, and extended across the bottom and up the sides of the body to the rim B, to which they are soldered or fastened at their upper ends. The rim B consists simply of a narrow strip of tinned plate or plate metal, lapped on and car-

ried around the upper edge or part of the woven-wire body in manner as shown, and held in place by being with the body creased or corrugated transversely. To strengthen this rim, and prevent it from being bulged out by the handle when forced downward, and turned first one way and next the other, I combine, with it and the cross, the encompassing metallic ring, which is to be soldered to the rim. The inner cross supports the body not only on its bottom, but at its sides, under down pressure upon the handle, and prevents the body from collapsing, and, furthermore, the cross facilitates the sifting of the flour.

To use the sifter, it is to be pressed down upon a mass of flour in a barrel, and turned around, first one way and next the other, quickly, until it may become filled or supplied with the flour to the necessary extent. It will accomplish its duty with dispatch, and is a very useful article in other respects, as it may be used for sprinkling or dusting flour upon dough.

I do not claim a sifter composed simply of a woven-wire body or rim and a handle, arranged as shown in the aforesaid patent.

I claim—

In a hand-sifter of the kind described, the combination of the woven-wire body A, the peripheral rim B, and the arched handle C with the supporting-cross E E', arranged in the said body and fastened to the rim, all as explained.

GEORGE C. EASTMAN.

Witnesses:

R. H. EDDY,
J. R. SNOW.