

R. C. Ludlow,

Siere

N^o 65,406.

Patented June 4, 1867.

Fig. 2

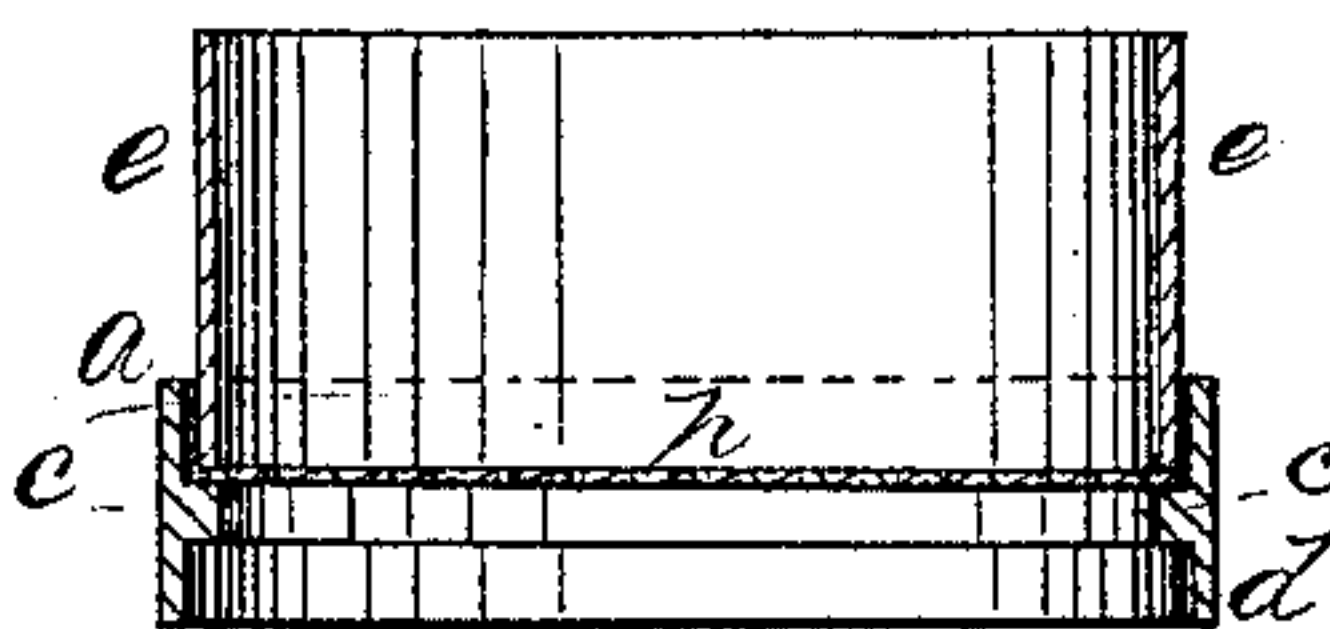
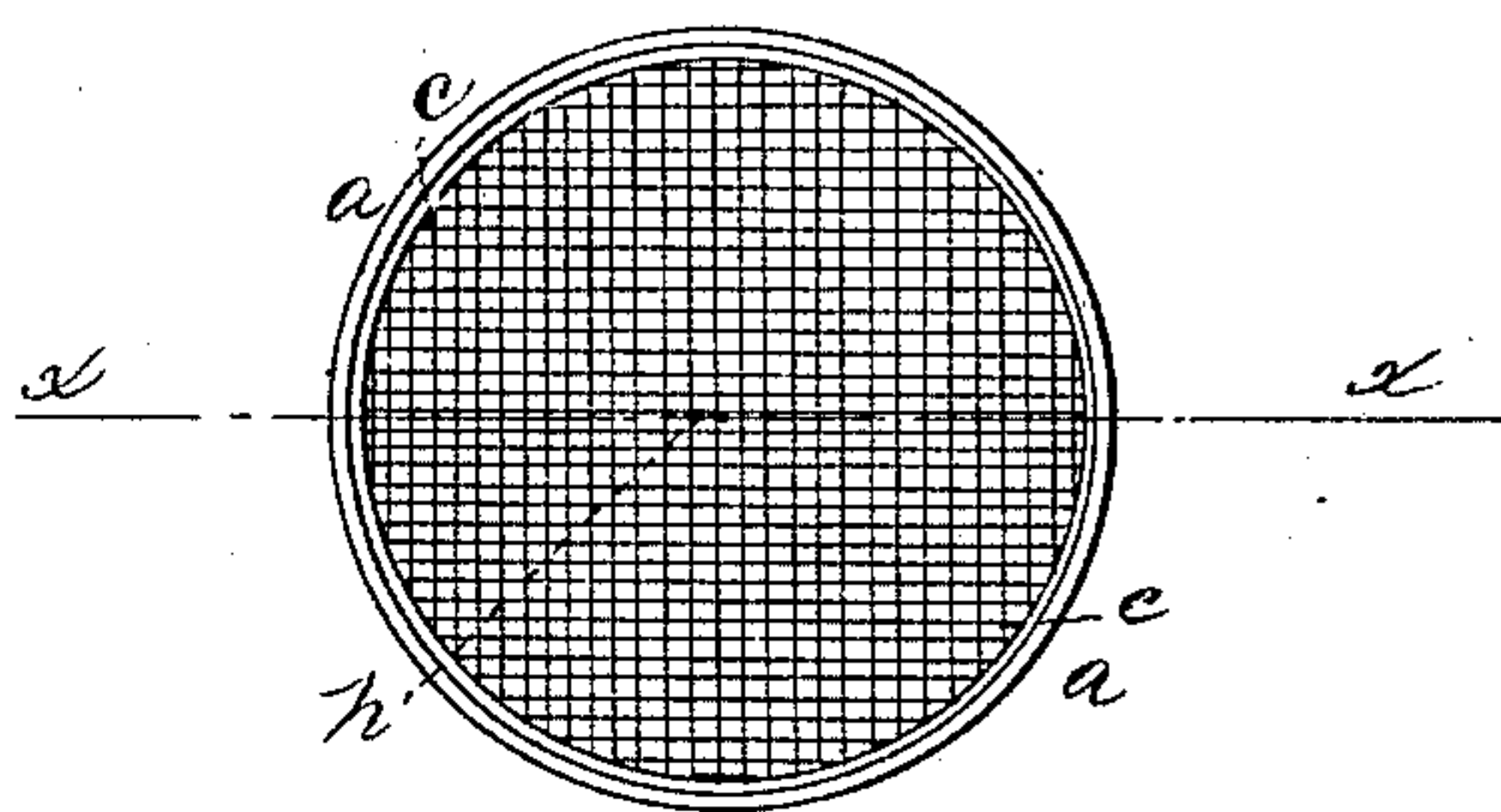


Fig. 1



Witnesses:
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UNITED STATES PATENT OFFICE.

R. C. LUDLOW, OF ST. LOUIS, MISSOURI.

IMPROVED SIFTER.

Specification forming part of Letters Patent No. **65,406**, dated June 4, 1867.

To all whom it may concern:

Be it known that I, R. C. LUDLOW, of St. Louis, in the county of St. Louis and State of Missouri, have invented a new and useful Improvement in Sifters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a bottom view of a sifter, showing my improved batten rib or bead for bearing the sieve-cloth; Fig. 2 is a central cross-section in the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to an improvement in the construction of round sifters, sieves, or riddles, for sifting flour, meal, and other substances; and consists in forming the batten or outside rim of ordinary round hand-sieves with a small rib, bead, or molding near the middle, and extending round it on the inside, which rib or bead is a part of the batten itself, and is formed upon it when the batten is made, or is made separately, and fastened on the inner side of the batten either before or after it has been bent into a hoop or band. The object of this rib or bead so formed in the batten is to serve as a shoulder or ledge for the equal support of the sieve-cloth, the lower corner of which rests upon it, while the flange or bent edge turns up and lies between the batten and the middle hoop, that sits close down upon the bottom of the sieve-cloth and holds it fast in place. By this arrangement the sieve-cloth keeps its place permanently without nailing, and cannot burst or bulge out at the sides or corners, as is common with sieves of the ordinary construction, which have no support for the bottom, and are simply turned up between the batten and the inside hoop, and nailed or tacked to them both.

In the sieve represented in the drawings, *a* is the batten or outside wooden hoop, constructed as usual, except in the particular of my device for supporting the sieve-cloth by the rib or bead *c* running around the inside of the batten near its middle, so as to give a space or rim between the rib and the edges above and below of about equal width, the upper rim being for the purpose of receiving the inside hoop *e*, and holding the rim or bent edge of the sieve-cloth *h* between them, while the lower space or rim has for its object a provision for packing the sifters in bundles in the usual way, by slipping the lower edge of the batten over the top of the inside hoop for the purpose of transportation.

I am aware that for foundry and other coarse sifters a lining has been made in the batten below the wire-netting, and extending to the lower edge of the batten; but this has been done for increasing the strength of the sifter generally, and is very different in form and arrangement from my improvement of a simple rib or bead within the batten under the sieve-cloth, and precludes and defeats one important object which is accomplished by my invention, to wit, the ability to pack the sifters in bundles in the usual manner for transportation. I, therefore, disclaim a lining of this kind extending from the sieve-cloth to the lower edge of the batten of a sifter; and,

Having fully described my invention and the advantages thereof, I claim as new and desire to secure by Letters Patent—

The combination of the batten *a*, head *c*, top *e*, and sieve *h*, substantially as and for the purposes herein described.

R. C. LUDLOW.

Witnesses:

FRANCIS M. LUDLOW,
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