

G. A. WELLS.

Sieves.

No. 156,516.

Patented Nov. 3, 1874.

Fig. 1.

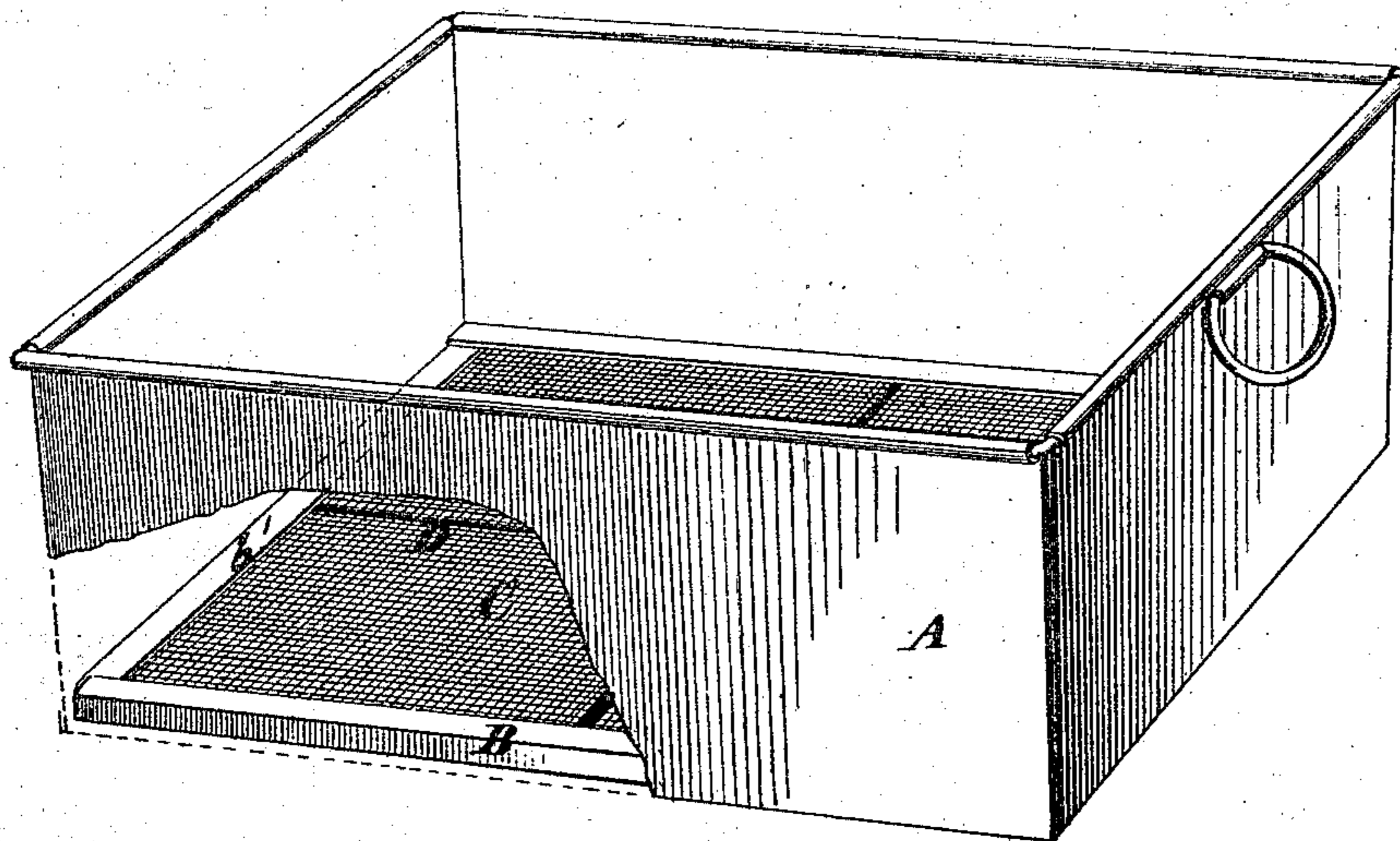


Fig. 2.

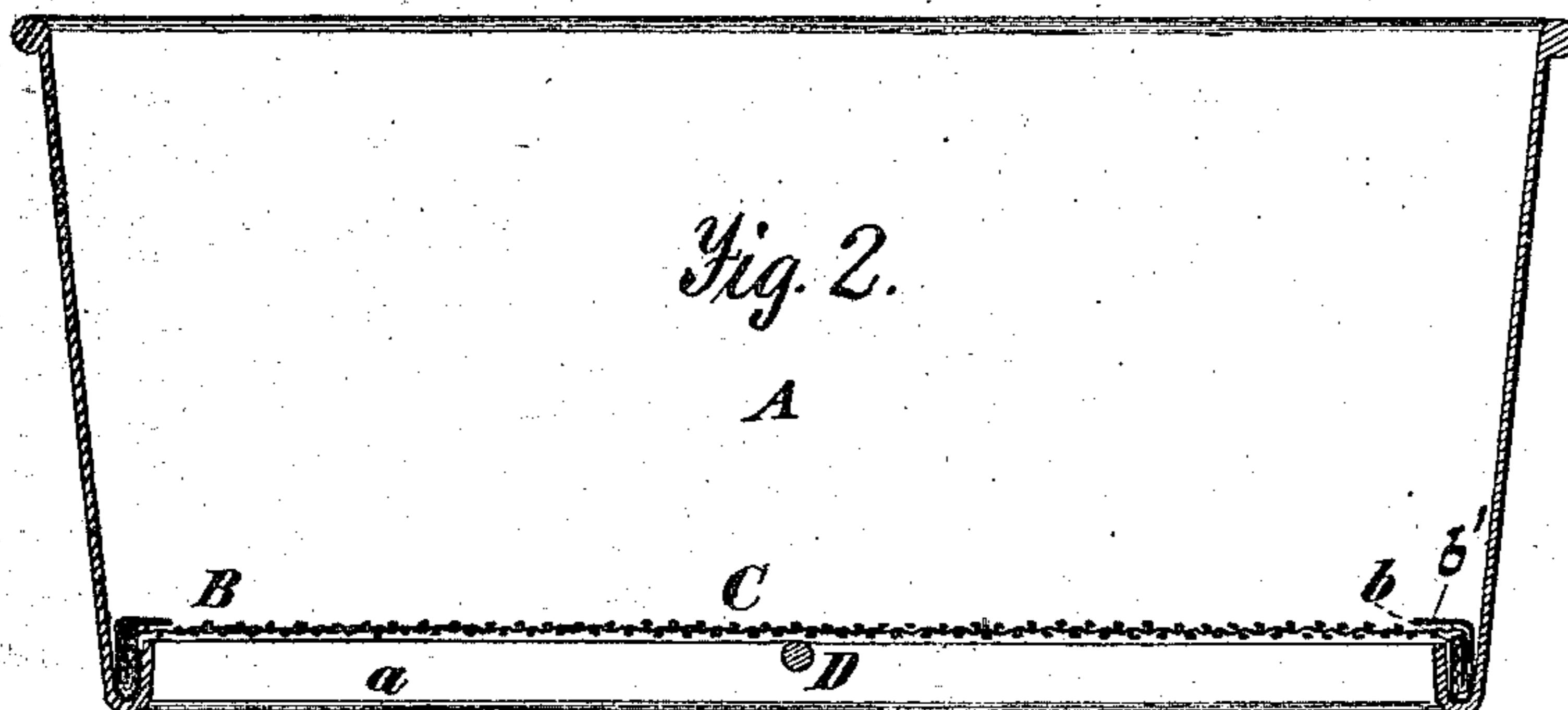
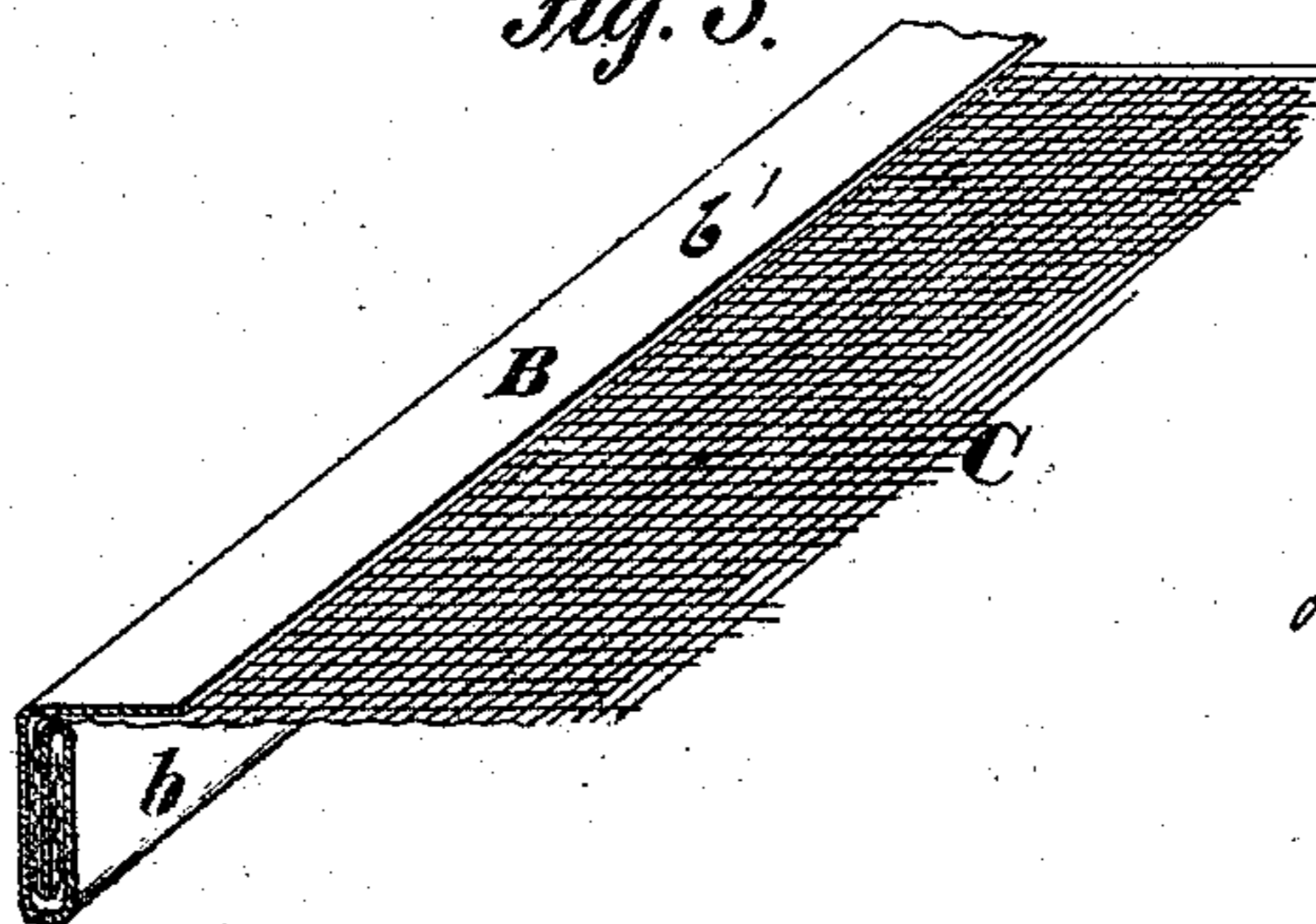


Fig. 3.



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GEORGE A. WELLS, OF OSKALOOSA, IOWA.

IMPROVEMENT IN SIEVES.

Specification forming part of Letters Patent No. **156,516**, dated November 3, 1874; application filed March 19, 1874.

To all whom it may concern:

Be it known that I, GEORGE A. WELLS, of Oskaloosa, in the county of Mahaska and State of Iowa, have invented a certain Improvement in Flour-Sieves, of which the following is a specification:

This invention relates to flour-sieves having a removable bottom, and in which the sifting-cloth is secured to its rim by double-folding the latter around it. My improvement consists in making the rim to overlap the flat portion of the cloth a little distance beyond the first fold, to protect it against wear along this edge, which is necessarily much weakened by the strain in bending it. The overlap also serves to cover any imperfections along the edge, in case any of the threads were broken or torn in securing the cloth to the rim.

In the annexed drawings, Figure 1 is a perspective view of my improved sieve, part of the lower left-hand corner being broken away. Fig. 2 is a vertical section of the same. Fig. 3 illustrates, on an enlarged scale, the manner in which the wire-cloth is secured to the supporting-rim.

The same letters of reference are used in all the figures in the designation of identical parts.

The vessel or shell A may be either rectangular in form, as shown, or of any other desired configuration, and made of any suitable material, though I prefer to use tin. The lower end of the shell terminates in an inwardly turned-up flange, *a*, between which and the sides of the shell there is a proper space for the reception of the turned-down flange *b* of the

supporting-rim B of the sifting-cloth C. The form and size of the sifting-cloth and its rim correspond to those of the shell A at the bottom, so that their respective flanges may interlock with each other when the sieve is inserted in the shell, and the former be held securely in place, and the escape or leakage of flour or meal at the joint be effectually prevented. Strong wires D are stretched across the bottom of the shell to stiffen it, as well as to afford lines of support for the cloth of the sieve. This cloth may either be of wire, hair, or any other suitable material. It is secured to the rim B by double-folding the latter on the cloth, in the manner best seen in Fig. 3, which not only forms a very strong connection, but also serves to stiffen the rim, which is made of thin tin. The part *b'* of the rim laps a little distance over the main flat part of the cloth C, and thus protects the first fold. The sieve proper can be readily removed and supplanted by another one, if desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

The cloth C, secured to a turned-down rim B by double-folding the latter around it, the rim having a horizontal lap, *b'*, extending over the corner onto the flat portion of the cloth, so as to protect the cloth at the angle, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. A. WELLS.

Witnesses:

J. B. BOLTON,
BEN. MCCOY.