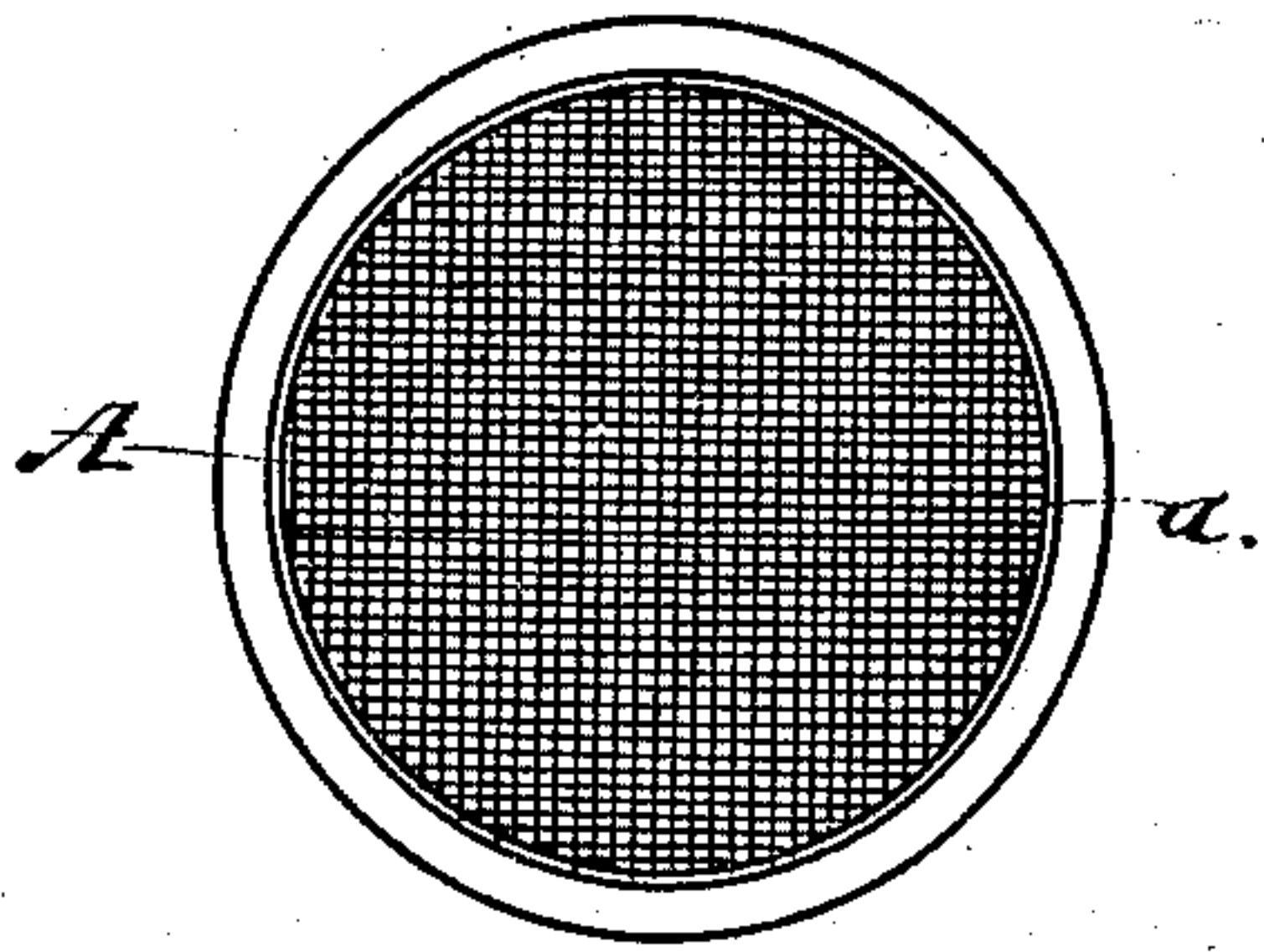


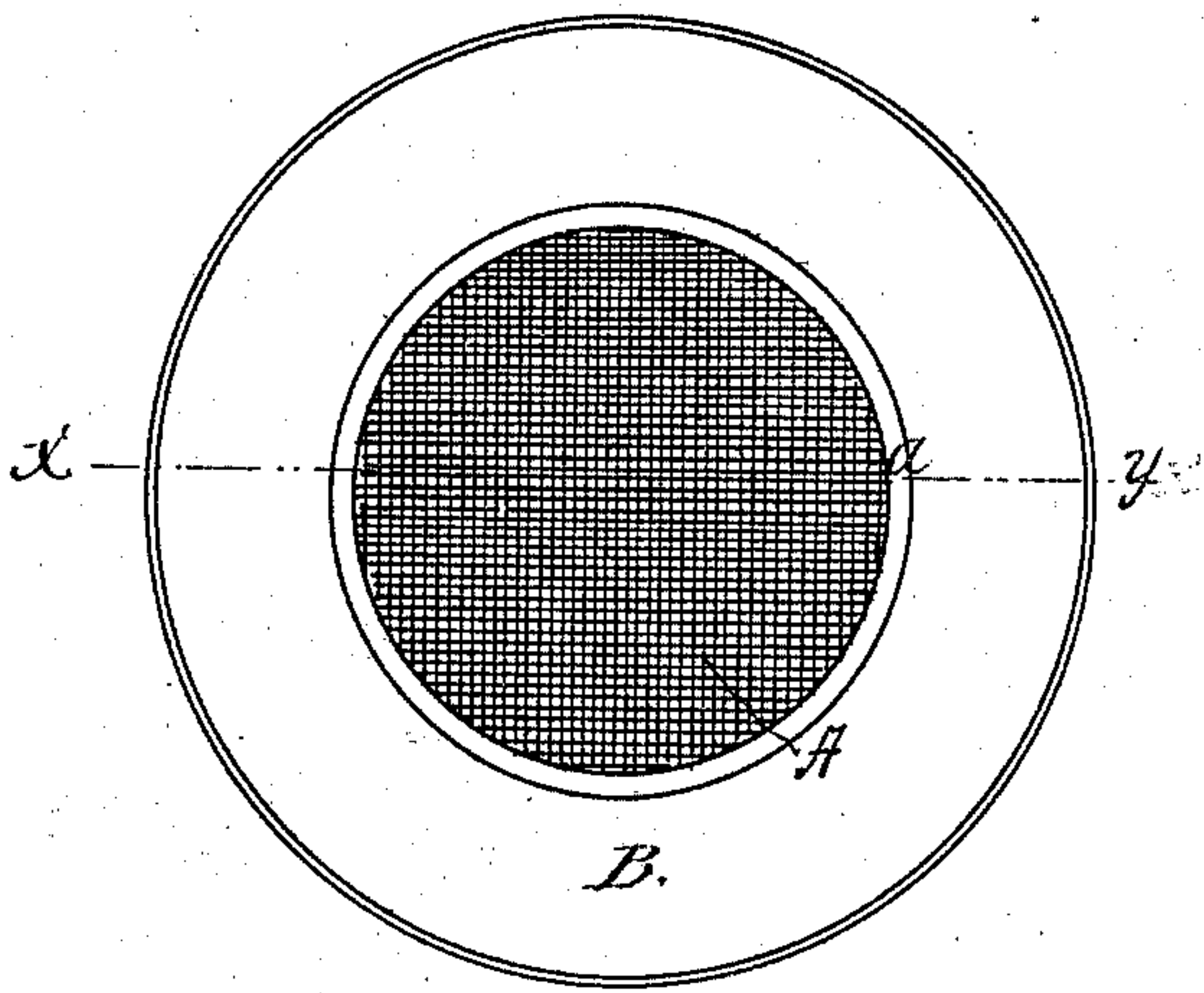
*W. Westlake.*  
*Milk Strainer.*

*N<sup>o</sup> 80,790. Patented Aug, 4, 1868.*

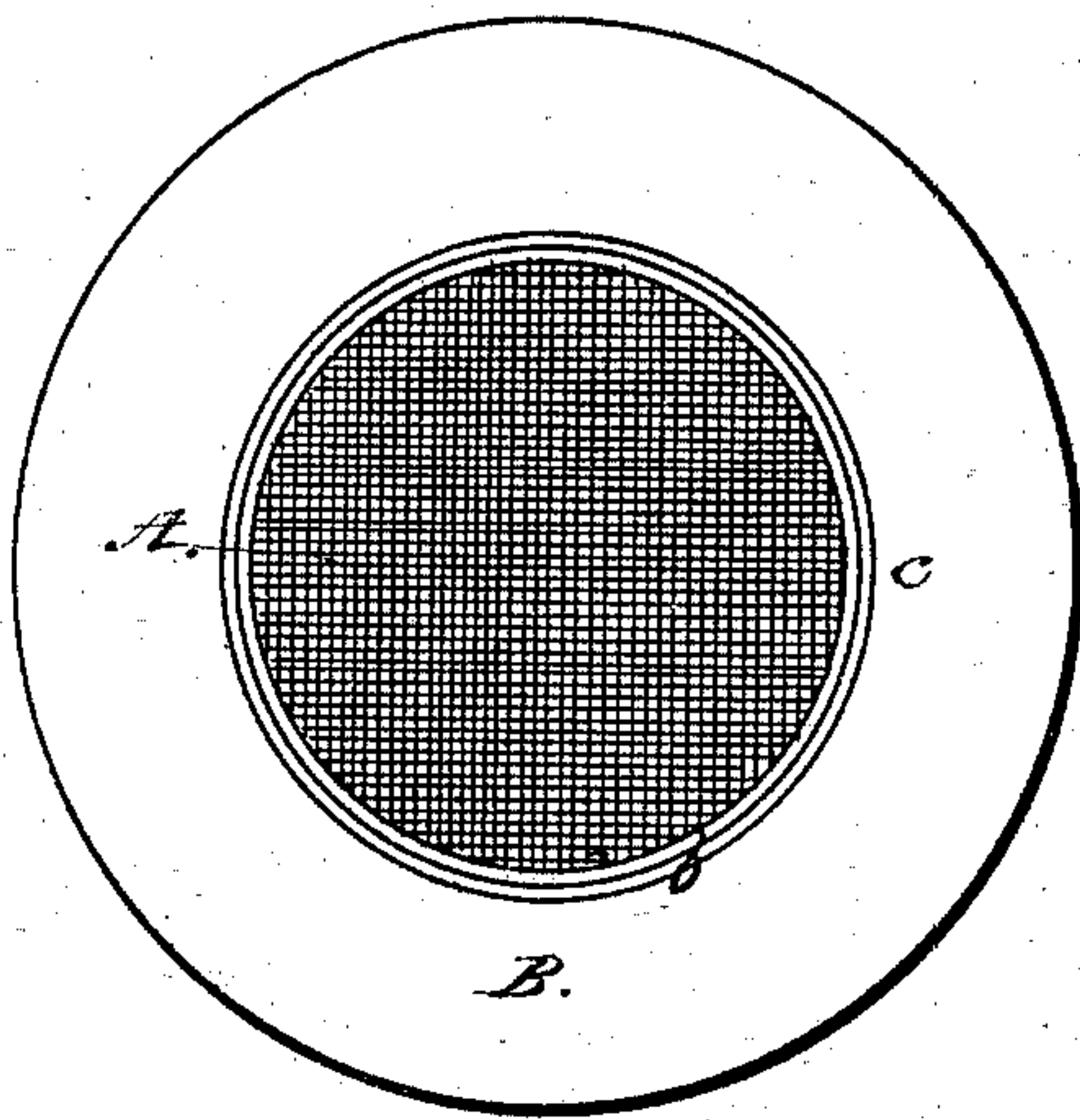
*Fig. 1.*



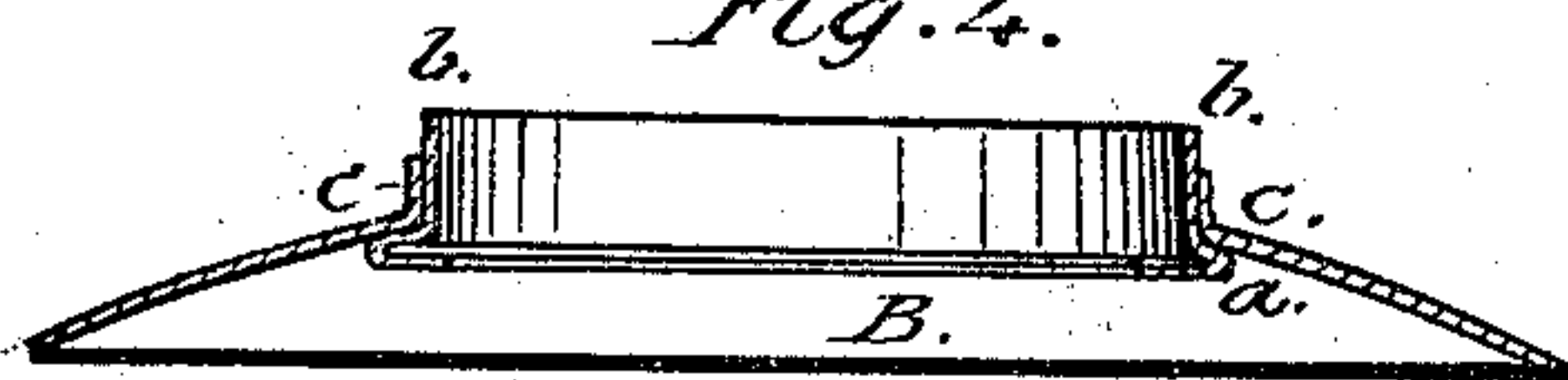
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses;*

*E. A. West*  
*L. L. Bond*

*Inventor.*

*William Westlake*

# United States Patent Office.

WILLIAM WESTLAKE, OF CHICAGO, ILLINOIS.

*Letters Patent No. 80,790, dated August 4, 1868.*

## IMPROVEMENT IN STRAINERS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM WESTLAKE, of Chicago, Illinois, have invented certain Improvements in Strainers; and I do declare that the following is a full, clear, and exact description of the construction, and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view of the wire gauze, with rim secured thereto.

Figure 2, a top view of the same inserted in a strainer.

Figure 3, a reverse view of the same.

Figure 4, a section on the line *x y*.

The object of my invention is to provide pieces of wire gauze with a continuous band of metal, the same being cheaply constructed, and easily inserted in and detached from the article with which they are to be used.

To enable others skilled in the art to make and use my invention, I proceed to describe its construction and operation.

A represents a piece of wire gauze, to the edge of which I secure a continuous metallic band or rim, *a*, bent or spun on, so that the wire gauze is firmly secured between the two edges of the band, as shown at fig. 1. From one side of this band *a*, a flanch, *b*, extends at right angles about one-eighth of an inch. B represents the bottom of the pail, or other article, which is to be used as a strainer, having an opening to receive the prepared wire gauze. This opening has a flanch, *c*, somewhat narrower than the flanch *b*, and such opening must be of such size that the flanch *b* will fit snugly therein.

In use, the pail, or other article, having been provided with a suitable opening, as described, the prepared strainer A is inserted therein from the inside, and, fitting nicely, the joint will be perfectly tight; and when the strainer A becomes from any cause unfit for use, it can be removed with its band, and another inserted.

I thus am able to make a removable strainer cheaper than any now in use, more easily adjusted to place, and in every way superior.

I make the flanch *c* narrower than the flanch *b*, to facilitate the removal of the strainer. Instead of inserting the strainer directly into the pail, a narrow rim or hoop, provided with the proper flanch like *c*, may be soldered to the bottom of the pail, in which to insert the strainer. For the trade, the latter method will be found convenient. Both parts being made by machinery, accuracy will be secured. The heat required to solder a metal band to the wire gauze, injures the gauze. This difficulty I avoid, and also protect the edge of the gauze effectually by spinning on a rim, which laps over both sides of the gauze. I find that zinc can be used for the band or rim to great advantage, being a soft metal, and it can be pressed instead of spun on to the gauze.

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

The removable strainer A, when constructed and attached substantially as specified.

WILLIAM WESTLAKE.

Witnesses:

E. A. WEST,

L. L. BOND.