

(No Model.)

C. M. SCHERMERHORN.  
MILK STRAINER.

No. 433,659.

Patented Aug. 5, 1890.

Fig. 2.

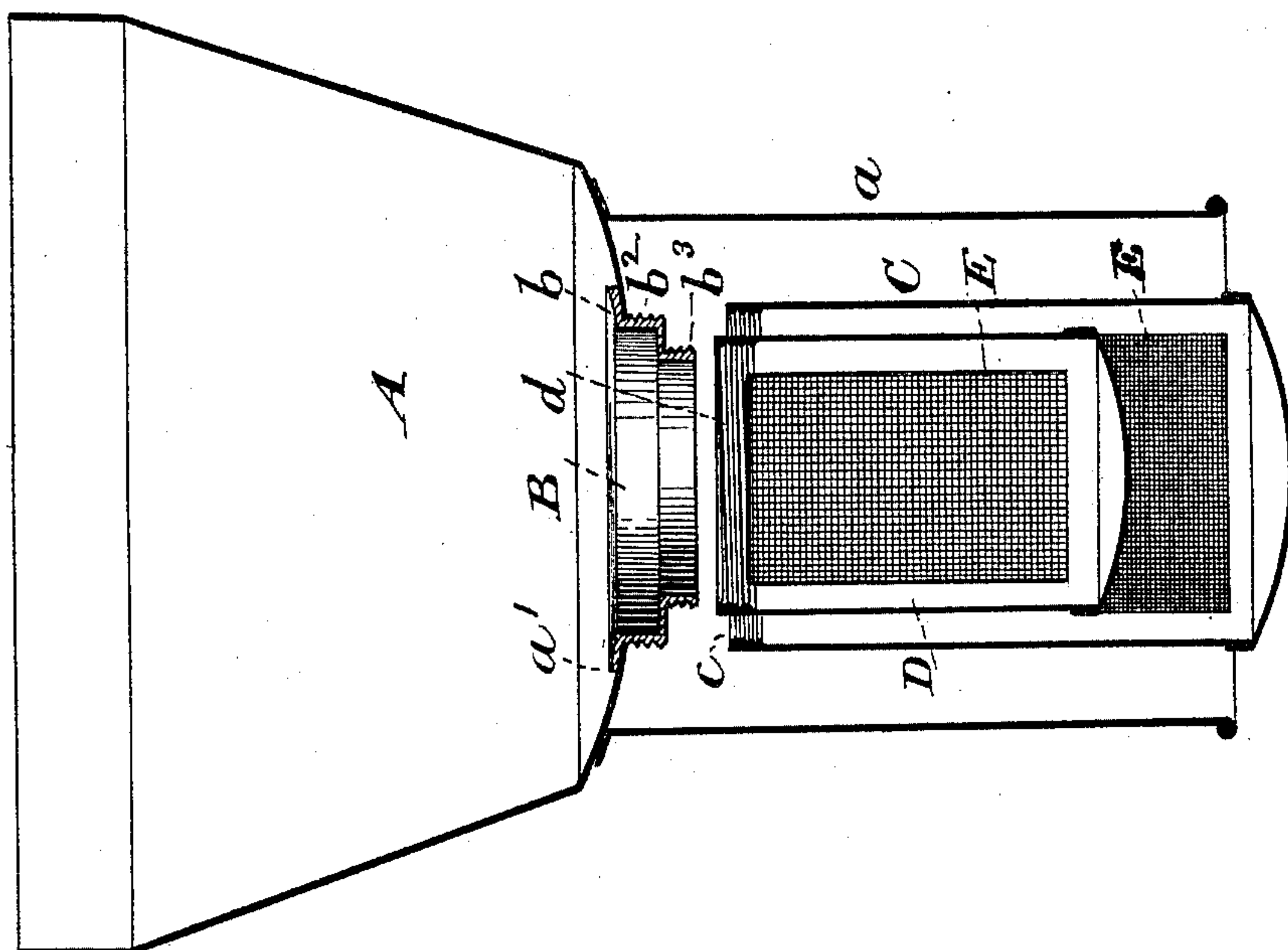
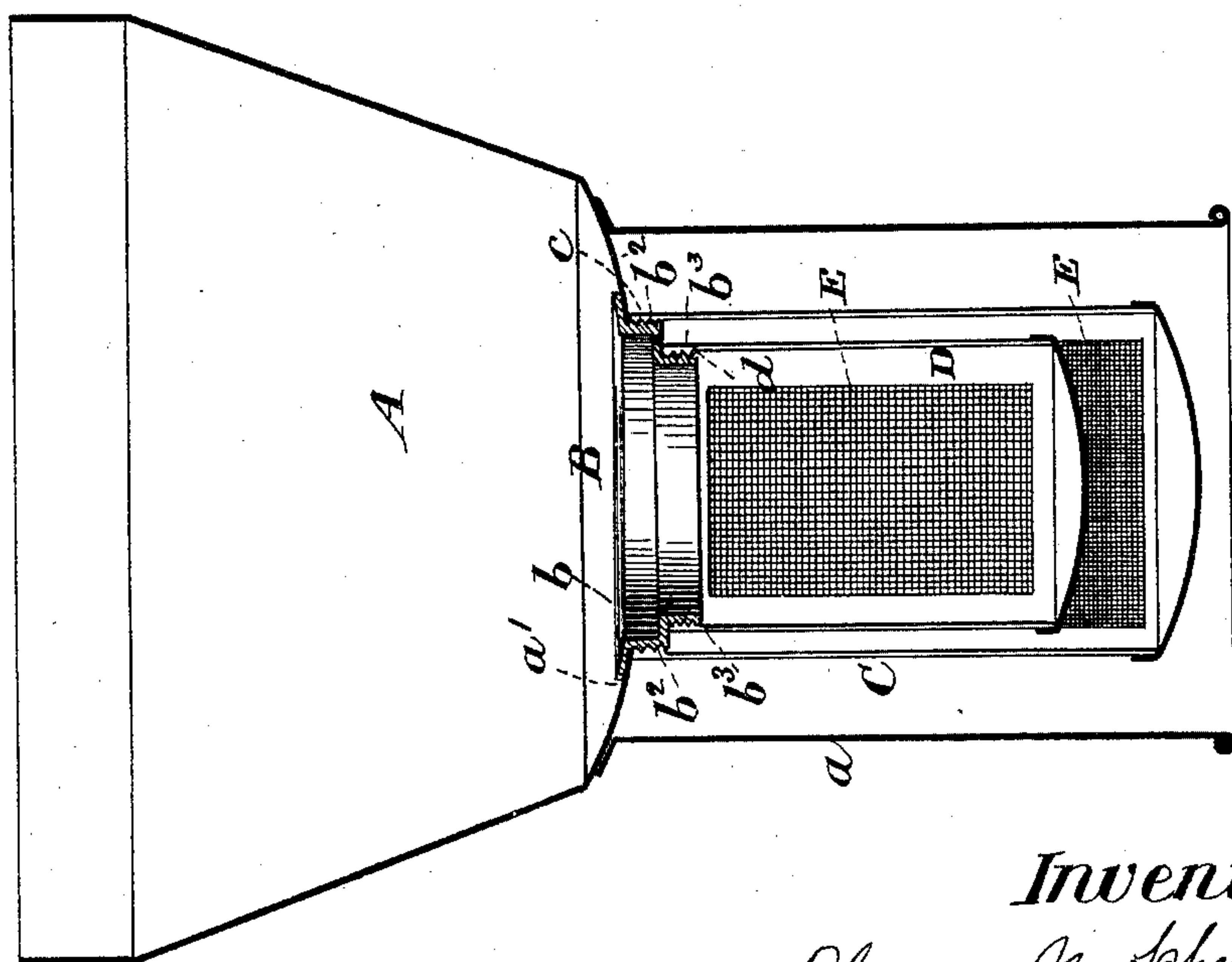


Fig. 1.



Witnesses.  
A. Ruppert,  
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att'y

# UNITED STATES PATENT OFFICE.

CLARENCE M. SCHERMERHORN, OF UNION, ILLINOIS, ASSIGNOR OF ONE-HALF  
TO JOSEPH H. BOWLEY AND LORING WARNER, OF SAME PLACE.

## MILK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 433,659, dated August 5, 1890.

Application filed April 1, 1890. Serial No. 346,166. (No model.)

*To all whom it may concern:*

Be it known that I, CLARENCE M. SCHERMERHORN, a citizen of the United States, residing at Union, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Milk-Strainers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of my invention is to make a strainer which will thoroughly remove all impurities which are detrimental to the milk and which may be readily taken apart, so as to be kept perfectly clean.

Figure 1 of the drawings is a vertical section showing all the parts of my strainer put together; Fig. 2, a similar view showing the parts separated.

In the drawings, A represents the funnel, B the connector, and C D the cylinders provided with mesh-wire strainers E.

The connector B has an annular flange *b* on the upper end, by which it is supported on the bottom of the funnel, and the exterior threads *b*<sup>2</sup> *b*<sup>3</sup>, on which screw the threads *c* *d* on the interior of the cylinders C D.

The funnel A is provided with the usual neck *a*, which fits into the milk-receiver and

the outlet-space *a'*, while the upper supporting-flange *b* of the connector may be soldered to the surrounding edge of the opening *a'*.

The cylinders C D are tightly closed at the lower end, open at the upper end, and provided with strainers C and D of different fineness, those on the smaller cylinder being of larger mesh or coarser to catch the coarser particles, while those on the larger cylinder are smaller to catch the motes and smaller particles, thus freeing the milk from nearly all the deteriorating matter before it goes into the receivers. The milk passes first into the funnel, then into the smaller cylinder, then into the larger cylinder, and finally into the neck *a*, whence it flows, purified, into the milk pans, vessels, or receivers of any preferred kind.

What I claim as new, and desire to protect by Letters Patent, is—

A milk-strainer consisting of the funnel A with neck *a*, the double-screw connector B, having flange *b* at the upper end, and the unequal cylinders C D with strainers of different fineness, the said cylinders being jointed one within the other to the connector B, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE M. SCHERMERHORN.

Witnesses:

J. F. CASEY,  
W. W. MAXWELL.