No. 662,379. Patented Nov. 20, 1900.

E. S. LAGERQUIST.

MILK STRAINER.

Application filed Sept. 4, 1900.

(No Model.)

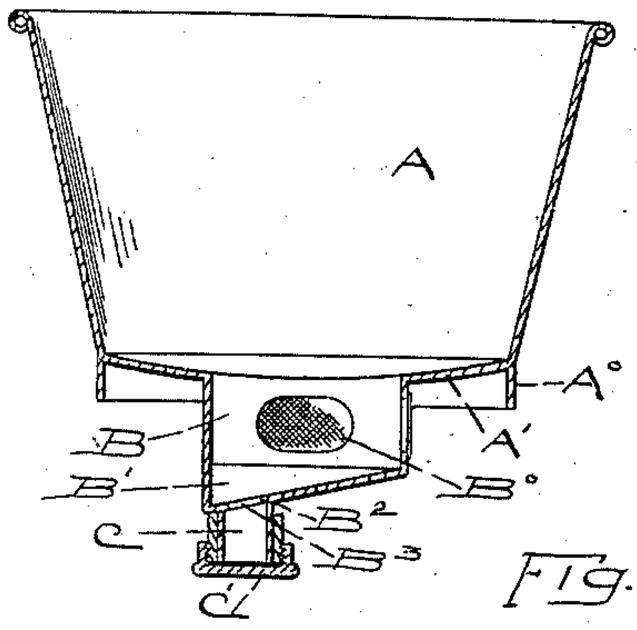

Fig. 2.

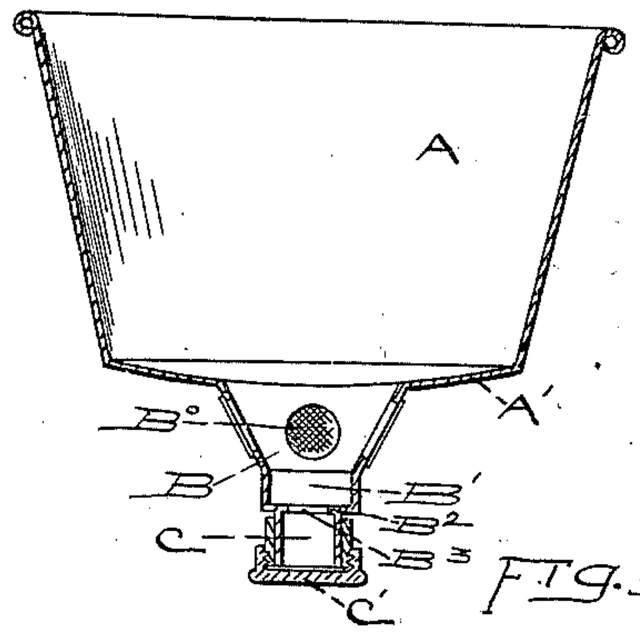

Fig. 3.

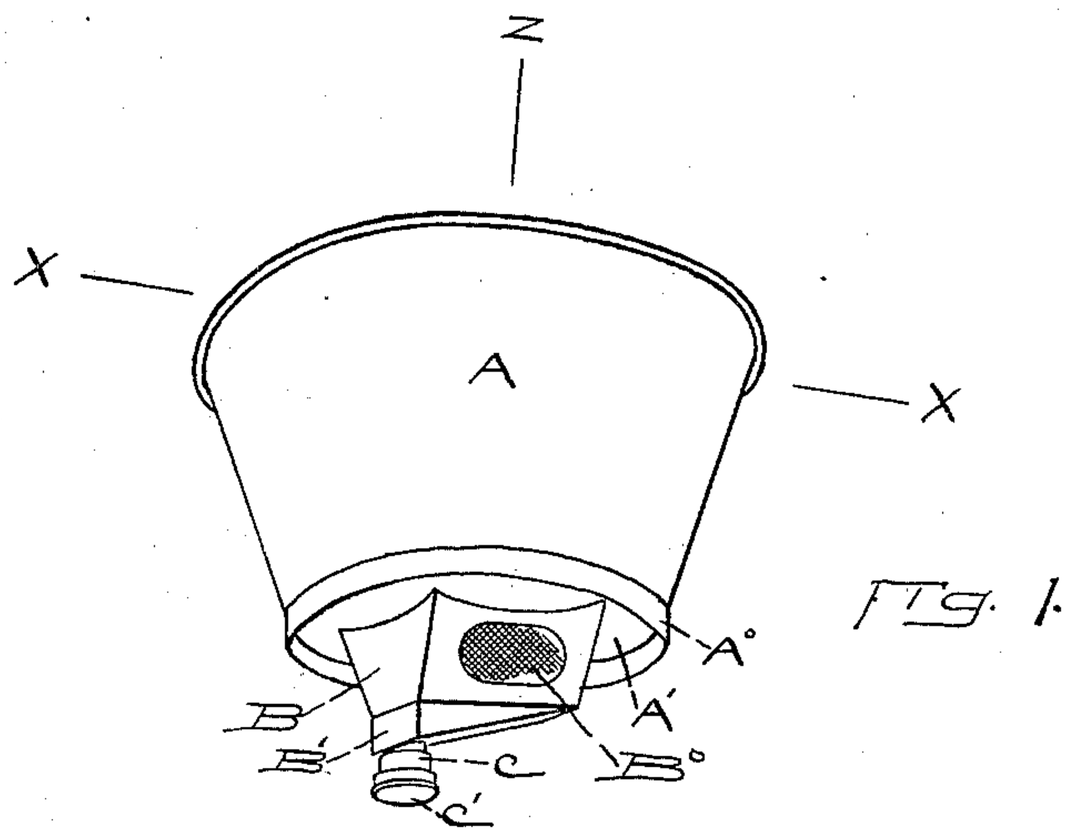

Fig. 1.

Witnesses
Edward J. Collins
A. H. P. Deegan

Inventor
E. S. Lagerquist
per P. Samuel Pigney
Attorney

UNITED STATES PATENT OFFICE.

ERIK S. LAGERQUIST, OF OXFORD DEPOT, NEW YORK.

MILK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 662,379, dated November 20, 1900.

Application filed September 4, 1900. Serial No. 28,908. (No model.)

To all whom it may concern:

Be it known that I, ERIK S. LAGERQUIST, a citizen of the United States, residing at Oxford Depot, in the county of Orange and State of New York, have invented certain new and useful Improvements in Milk-Strainers; and I do hereby 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.

My invention relates to improvements in strainers, particularly for use in dairies for straining milk; and has for its object to provide a simple, cheap, and effective device for straining milk, collecting and retaining the sediments therein, so that the same will not be forced through the straining material or become clogged therein.

My invention will be understood by reference to the accompanying drawings, wherein the same parts are indicated by the same letters throughout the several views.

Figure 1 is a perspective view of the strainer. Fig. 2 is a central vertical section on line X X, and Fig. 3 is a central vertical sectional view on line Z Z.

The improved strainer consists of a body A, preferably cylindrical in form and having a bottom A′ sloping toward the center, where a rectangular extension B is formed. The side walls of the rectangular extension B slope downwardly from each side toward the center, where a trough B′ is formed, which is inclined downwardly from the front to the rear of the strainer, at which point it enters through an aperture B^3 a cylindrical well C. The well C is provided at its lower end with a removable screw-cap C′. The circumference of the well C is greater than the circumference of the aperture B^3, the bottom B^2 of the trough B′ extending over the edge of the well C, as shown in Figs. 2 and 3. The walls of the rectangular extension B are provided with openings B^0 of any desired form, over which are secured pieces of wire mesh or other suitable straining material. The body A may be provided with a flange A^0, if desired, which is adapted to hold the strainer in position on a milk-can or like object.

In operation the improved strainer is to be placed in engagement with a milk-can or the like, and the milk is poured into the body portion. The greater portion of the milk will pass through the strainers over the openings B^0, while the dirt and other foreign matter will settle into the sloping trough B′, from which it forced by the weight of the milk through the aperture B^3 into the well C, where it is retained. The rim B^2 of the bottom of the trough B′, which extends over edge of the well C, prevents the disturbance of any sediment that may have accumulated in the well C when milk is again poured into the body of the strainer. The well C can be readily cleaned when the screw-cap C′ is removed.

A strainer of the form and construction herein described performs the same functions as strainers that are provided with suction-tubes, float-valves, and like attachments, is much more simple in construction, and can be more readily cleaned.

I have described and shown the device as being of a circular form; but I do not wish to limit myself to this particular shape, which may be varied at will without altering the essential features of construction.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A strainer, comprising a body portion having a bottom sloping toward the center, a rectangular extension attached to the center of said bottom and having sieve-covered openings, and having a sloping trough at the bottom of said extension, a circular opening in the lower end of said trough, a well attached to the bottom of said trough directly beneath the center of said opening and of greater diameter than the diameter of said opening, a removable screw-cap attached to the bottom of said well, substantially as described and shown.

2. In a straining device, the combination with the body A having a sloping bottom A′ provided with a rectangular extension B having strainer-openings B^0 arranged in the walls thereof, and having strainer material covering said strainer-openings; a sloping trough B′ formed in the bottom of the extension B; a cylindrical extension or well C permanently connected to the lower end of the sloping trough B′; a removable screw-cap C′ attached to the lower end of the well C; a circular open-

ing B^3 in the bottom B^2 of the sloping trough B′ directly over the center of the well C, which opening B^3 is of a lesser diameter than the diameter of the well C; a flange A^0 attached to the outer circumference of the bottom of the body A, all substantially as described and shown.

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

ERIK S. LAGERQUIST.

Witnesses:
HARRY V. QUAID,
HARRY L. WELLS.