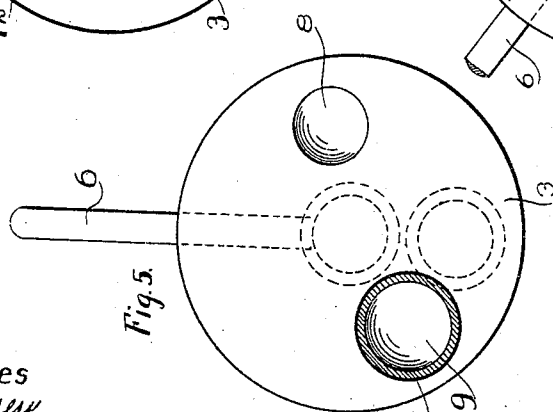
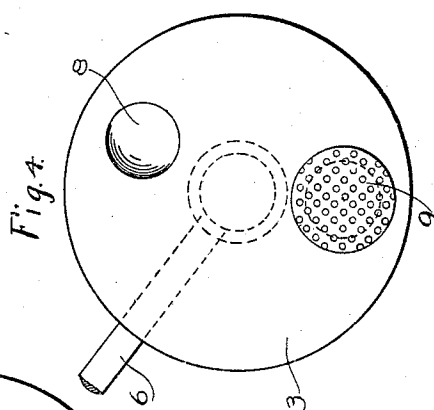
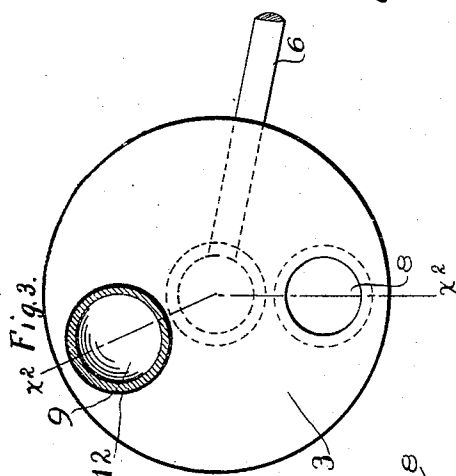
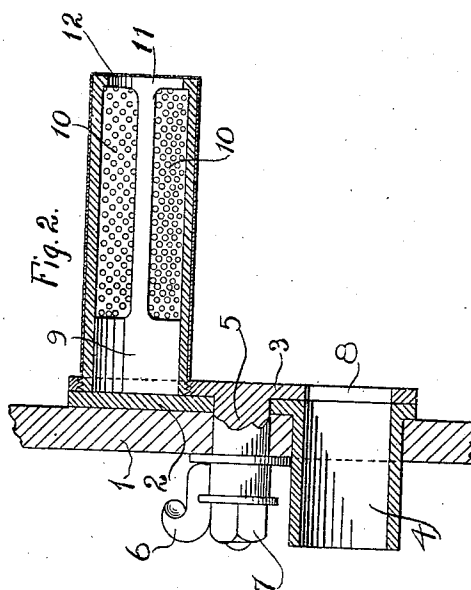
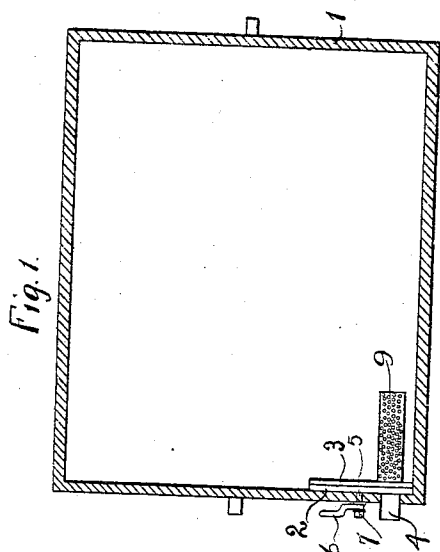


No. 868,255.

PATENTED OCT. 15, 1907.

R. B. DISBROW.
COMBINED FAUCET AND STRAINER.

APPLICATION FILED MAR. 29, 1907.



Witnesses
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UNITED STATES PATENT OFFICE.

REUBEN B. DISBROW, OF OWATONNA, MINNESOTA.

COMBINED FAUCET AND STRAINER.

No. 868,255.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed March 29, 1907. Serial No. 365,228.

To all whom it may concern:

Be it known that I, REUBEN B. DISBROW, a citizen of the United States, residing at Owatonna, in the county of Steele and State of Minnesota, have invented certain new and useful Improvements in Combined Faucets and 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 has for its object to provide a combined faucet and strainer especially adapted for use in connection with combined churns and butterworkers, and to this end it consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

In the accompanying drawings, the invention is illustrated as applied to the drum of a combined churn and butterworker, but it will, of course, be understood that the same may be used in various other places where a combined strainer and faucet may be desired.

In said drawings, like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a vertical section taken centrally through the drum of a combined churn and butterworker, and illustrating my improved combined faucet and strainer applied thereto. Fig. 2 is an enlarged view in vertical section taken centrally on the line $x^2 x^2$ of Fig. 3 through the combination faucet and strainer, and through a portion of one head of the drum; and Figs. 3, 4 and 5 are views looking at the parts shown in Fig. 2, from the right toward the left, and illustrating different positions of the device.

The drum of the combined churn and butterworker is indicated by the numeral 1. The improved combination faucet and strainer is shown as applied to one head of this drum, as close as is practicable to the shell of the drum. This combination faucet comprises a pair of closely fitting disk like plates 2 and 3, the former of which is suitably secured to the inner surface of the head of the drum and is provided near its outer portion with a laterally extended discharge tube 4 that projects through the said drum head. The disk or plate 3 is rotatively mounted, and to that end is provided with a centrally located trunnion 5 that extends through the relatively fixed plate 2 and through the drum head, and is provided at its outer end with an operating lever 6 and with a nut 7 for holding the said lever in position, and for holding the rotary plate 3 tightly pressed against the non-rotary plate 2. The rotary plate 3 operates as a valve and the non-rotary plate 2 serves as a valve seat for such valve. At one point, eccentric to its axis of rotation, the valve plate 3 is provided with a discharge opening 8 that is adapted to register with the opening in the discharge tube 4. At another eccentric point,

preferably at an approximately diametrically opposite point, the valve plate 3 is provided with another discharge opening into which is screwed or otherwise secured the open end of a strainer supporting sleeve 9. This strainer supporting-sleeve 9 is provided with lateral openings 10 and an end opening 11, all of which openings are covered by a strainer cap 12, shown as formed from thin sheet metal and provided with closely positioned perforations. By rotation of the valve plate 3 from the position shown in Figs. 2 and 3 into the position shown in Fig. 4, the strainer 12 will be brought into registration with the discharge tube 4. When the said valve plate 3 is turned into the position shown in Fig. 5, both the opening 8 and the strainer 12 are turned out of registration with the discharge tube 4 and the latter is then closed.

In the use of the device in connection with a combined churn and butterworker, the strainer will be positioned in line with the discharge tube 4 when it is desired to draw off the buttermilk, and at such time the strainer, of course, serves to hold back the small floating particles or globules of butter. When after the butter has been worked and washed it is desired to draw off the brine or water used in washing the butter, the device should be set as shown in Figs. 2 and 3, so that there will be a free discharge through the aligned openings 8 and discharge tube 4.

The improved combination faucet and strainer above described has been made and in actual practice has been found highly efficient for the purposes had in view. Furthermore, it is of small cost.

What I claim is:

1. In a combination faucet and strainer, the combination with a non-rotary plate having a discharge passage, of a rotary plate having a strainer and an unobstructed passage arranged to be brought, at will, into registration with the discharge passage of said non-rotary plate, substantially as described.

2. In a combination faucet and strainer, the combination with a non-rotary plate having a projecting discharge tube, of a rotary plate having a lever-equipped trunnion projecting axially through the said non-rotary plate, and having an unobstructed discharge passage and a strainer located eccentric to said trunnion and movable, at will, into alinement with the discharge tube of said non-rotary plate, and which rotary plate is adapted to be set in an intermediate position to entirely close said discharge tube, substantially as described.

3. The combination with a receptacle, such as the drum of a combined churn and butter worker, of a combined faucet and strainer comprising a non-rotary plate applied to one head of said receptacle or drum, and provided with a discharge tube projecting through said head, a rotary plate having a trunnion projecting through said non-rotary plate, and drum head, and provided at its outer end with an operating lever, and which rotary plate is also provided with an unobstructed discharge opening and with a tubular strainer arranged to be brought into registration,

at will, with said discharge tube, substantially as described.

4. In a combined faucet and strainer, the combination with a non-rotary plate 2 having a projecting discharge tube 4, of a rotary plate 3 having an eccentric passage 8 and provided with a trunnion 5 projecting centrally through said plate 2, and provided at its outer end with an operating lever 6, a strainer supporting sleeve 9 eccentrically applied to said rotary plate 3 and provided with 10 lateral end openings 10 and 11, and a perforated strainer

cap 12 covering the openings of said sleeve 9, and which strainer 12 and passage 8 are adapted to be turned into registration with said discharge tube 4, at will, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses. 15

REUBEN B. DISBROW.

Witnesses:

JENNIE W. DISBROW,
F. D. MERCHANT.