

No. 648,598.

Patented May 1, 1900.

F. SALOMON.  
EGG SEPARATOR.

(Application filed June 28, 1899.)

(No Model.)

2 Sheets—Sheet 1.

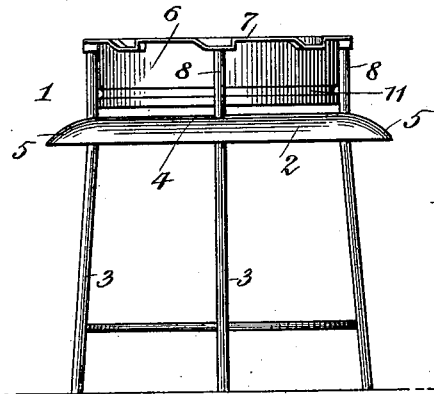


Fig. 1.

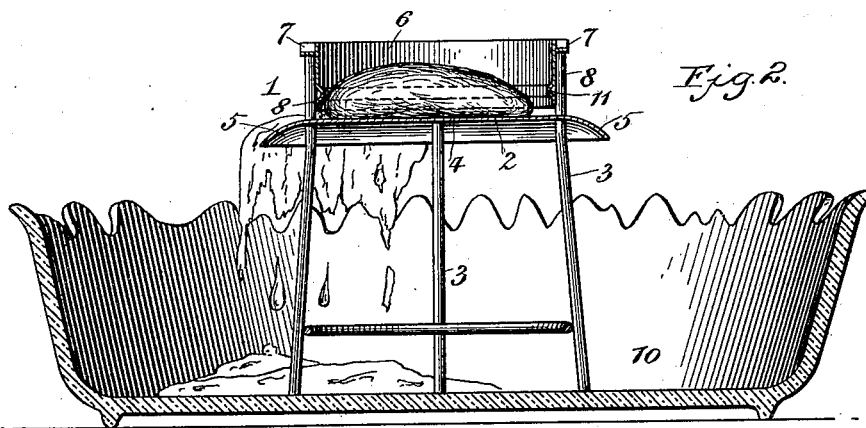


Fig. 2.

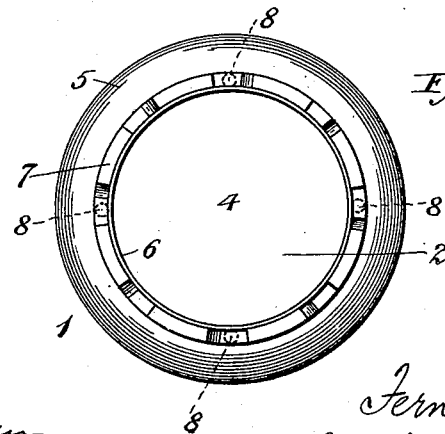


Fig. 3.

Witnesses

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Fig. 4.

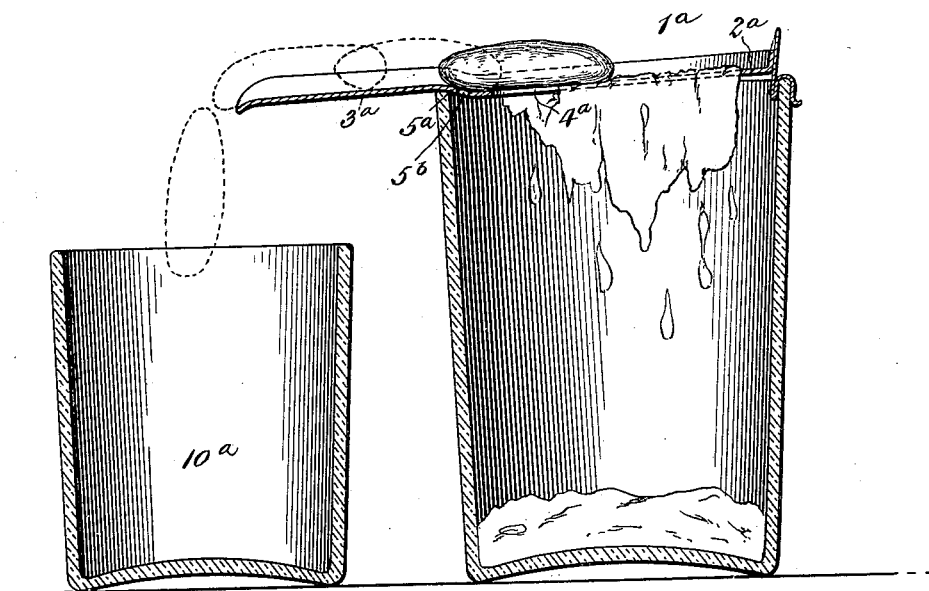
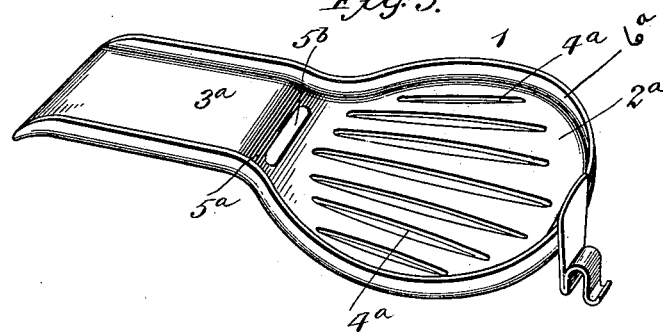


Fig. 5.



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# UNITED STATES PATENT OFFICE.

FERNAND SALOMON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
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## EGG-SEPARATOR.

SPECIFICATION forming part of Letters Patent No. 648,598, dated May 1, 1900.

Application filed June 28, 1899. Serial No. 722,145. (No model.)

*To all whom it may concern:*

Be it known that I, FERNAND SALOMON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improved Egg-Separator, of which the following is a specification.

My invention relates to an improved construction of device for separating the whites from the yolks of eggs; and my object is to produce in a simple and inexpensive manner a device of this character which will receive the egg in its entirety after being removed from the shell and within which the white will separate itself from the yolk.

My invention consists of the novel features of construction and arrangement of parts, all of which will be hereinafter fully described, and particularly pointed out in the appended claims.

Figure 1 represents a side elevation of my invention. Fig. 2 represents a vertical central section of the same, showing it in position in a bowl which receives the white after its separation from the yolk. Fig. 3 represents a plan view. Fig. 4 represents a central vertical section of a modified form of my invention, and Fig. 5 represents a perspective view thereof.

Similar reference-numerals indicate corresponding parts in all the figures of the drawings.

Referring to said drawings, 1 designates my improved egg-separator, composed of a base or platform 2, supported on legs 3, said base or platform being preferably circular in form, and its central portion 4 is substantially level, while its outer surrounding edge 5 is dipped or bent downwardly for purposes which I shall presently describe.

6 designates a ring which is provided at or near its upper edge with a surrounding corrugated flange 7, the latter being adapted to rest upon a plurality of uprights or supports 8, which project upwardly from the base or platform 2. These uprights or supports may form part of the legs 3, as shown in the drawings, and are of such height that when rotation is given to the ring, as will be the case during the process of separation, the lower edge of the ring will rise and fall, so that the white of the egg may pass thereunder when

said ring is in its uppermost position, while the yolk will be retained within the ring and the lighter particles thereof which may adhere thereto will be separated therefrom when the lower sharp edge of said ring contacts with and is rotated upon the base 2.

It will be evident that the corrugations of the flange 7 may be arranged so as to lift the ring 6 away from the edge of the base or platform 2 more or less and that the distance between each of the corrugations may be such as to cause the ring to descend upon the base and remain there a greater length of time than it will in its uppermost position, or vice versa.

In practice the ring 6 will be of such a diameter as to receive a single egg, although it is apparent the same may be made sufficiently large to receive a number of eggs, which after having been placed in the ring and the latter is raised by the rotation thereof, as previously described, the white or whites will pass down over the dipped or bent edge 5 of the platform 2 into a vessel 10, as shown in Fig. 2, the yolk or yolks in the meantime remaining on the base 2, and should any of the lighter particles of the whites adhere to said yolks they will be readily removed when the ring descends upon the base or platform 2, in which operation an internal annular flange 11, formed adjacent the lower edge of the ring, will keep the yolks away from the lower sharp edge thereof, so as to prevent them from being broken.

In Figs. 4 and 5 I have shown a slightly-modified form of my invention, although the principle of operation is substantially the same as that just described. In these figures, 1<sup>a</sup> shows the egg-separator composed in this instance of a base or platform 2<sup>a</sup>, the latter having an extension 3<sup>a</sup> leading therefrom, and the base is provided with a plurality of openings 4<sup>a</sup>, through which the white of the egg will pass into a receptacle 10<sup>a</sup>, as clearly shown in Fig. 4.

It will be observed that the extension 3<sup>a</sup> at its point of juncture with the base 2<sup>a</sup> is bent upwardly therefrom to form a shoulder 5<sup>a</sup>, which serves to retain the egg in position on the base 2<sup>a</sup>, so that its white may pass through the openings 4<sup>a</sup> and through a similar open-

ing 5<sup>b</sup>, formed in the shoulder 5<sup>a</sup>. The base 2<sup>a</sup> is further provided with a surrounding ring 6<sup>a</sup>, which also extends along the side edges of the extension 3<sup>a</sup>, which ring answers the same purposes as the ring 6 previously described, in that it serves to allow the whites of the eggs to pass through the openings described as they separate from the yolks.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is as follows:

1. A device for separating the whites from the yolks of eggs, comprising a base or platform adapted to receive the egg and having an opening adjacent thereto for the passage therethrough of the white of the egg, and a suitably-supported revoluble ring adapted to retain the yolk while the white passes through said opening.

2. A device for separating the whites from the yolks of eggs, comprising a base or platform adapted to receive the egg and having

an opening adjacent thereto for the passage of the white of the egg, a ring for retaining said yolk on the base or platform while the white passes through said opening, said ring having corrugations thereon, and means co-acting with said corrugations whereby said ring is caused to rise and fall.

3. A device for separating the whites from the yolks of eggs, comprising a base or platform adapted to receive the egg and having an opening adjacent thereto for the passage therethrough of the white of the egg, a ring having an externally-disposed annular corrugated flange, and an internally-disposed annular flange, adapted to retain the yolk on the base, and supports for said ring disposed beneath said corrugated flange whereby the ring is caused to alternately rise and fall.

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Witnesses:

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