(No Model.)

L. F. PETTEE.

DEVICE FOR SEPARATING THE WHITE AND YELK OF EGGS.

No. 479,016. Patented July 19, 1892.

Fig. 1.

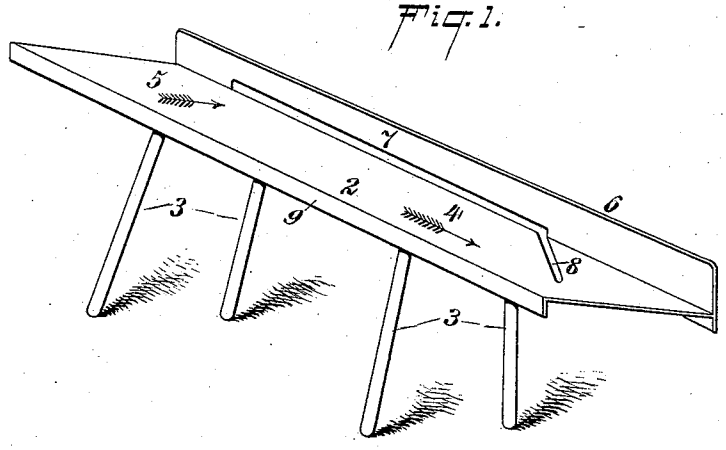
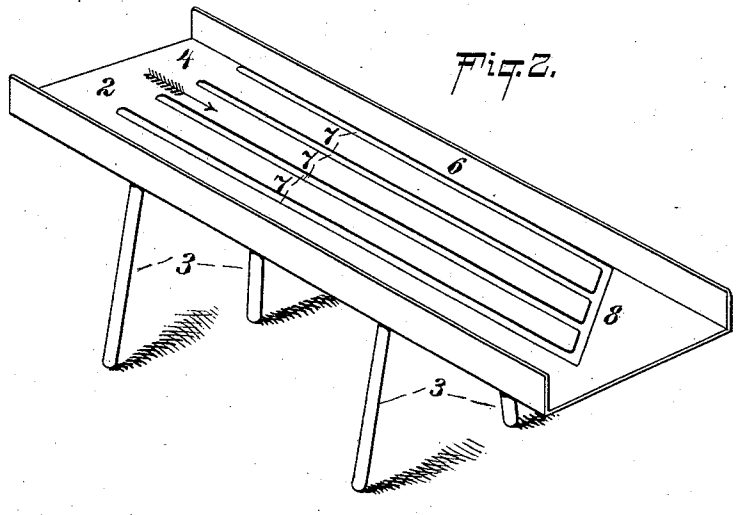


Fig. 2.



WITNESSES:

William Goebel.

Chas. Wirth

INVENTOR

Lyman F. Pettee

BY

W. W. Canfield.

ATTORNEY.

UNITED STATES PATENT OFFICE.

LYMAN F. PETTEE, OF BROOKLYN, NEW YORK.

DEVICE FOR SEPARATING THE WHITE AND YELK OF EGGS.

SPECIFICATION forming part of Letters Patent No. 479,016, dated July 19, 1892.

Application filed January 22, 1892. Serial No. 418,929. (No model.)

To all whom it may concern:

Be it known that I, LYMAN F. PETTEE, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Device for Separating the White and Yelk of Eggs, of which the following is a specification.

This invention consists of a new and useful device for separating the white or albuminous portion of an egg from the yelk and is fully disclosed in the following specification, of which the accompanying drawings form a part, wherein similar numerals of reference designate like or equivalent parts wherever found throughout the different views, and in which—

Figure 1 is a perspective view of my improvement, and Fig. 2 a similar view of a modification thereof.

Many attempts have been made to produce devices that would accomplish the purpose herein specified of separating the white or albuminous portion of eggs from the yelk without breaking the latter or mingling said parts, in which condition their separation is almost if not quite impossible. As far as I am aware, however, such devices have never heretofore been successful, or at best only partially so, and in addition have been costly in construction and difficult of operation.

The object of this invention is to obviate the difficulties attending the use of other prior devices of this class and to produce a device simple in construction and operation and comparatively inexpensive and which will operate perfectly to produce the desired result.

Referring to Fig. 1 of the drawings, the reference-numeral 2 designates a table or support, preferably of sheet metal, resting upon legs or standards 3, attached thereto in any desired manner. The legs or standards 3 are of such length as to give to the table 2 a downward inclination endwise and backward, as shown by the arrows 4 and 5, respectively, or to hold it in a laterally and longitudinally inclined position. The table 2 is provided at its rear or lowest edge with an upwardly-extending flange 6, and at the lowest edge or side of the table is formed a longitudinal slot 7, which communicates with a transverse slot 8, which extends partly and preferably diagonally across the table near the lowest end thereof. A downwardly-extending flange 9 is preferably formed on the front edge or side of the table; but this may be omitted, if desired. The operation of this form of construction is as follows: The egg is dropped from the shell upon the upper or highest end of the table—for instance, near the arrow 5—and immediately slides or rolls backward till it strikes the flange 6, when it passes down along the flange in the direction of the arrow 4, during which movement the white or albuminous portion of the egg passes or falls through the slot 7, and as the yelk or yellow portion of the egg passes over the slot 8 the white portion thereof enters said slot, by which, because of its angular position with reference to the slot 7 and the sharp edge of the latter, the two parts are entirely and neatly separated, each of which when the device is in use drops into a vessel arranged for its reception. As shown in Fig. 1 of the drawings, the slot 7 is formed in the flange 6, where it joins with the table 2; but it is evident that this slot may be formed in the table itself at or near the same point, if desired.

In Fig. 2 I have shown a modification of the construction shown in Fig. 1, in which a number of the slots 7 are employed, all of which are preferably formed in the table. In this construction there is no backward inclination of the table or support 2; but one end is slightly higher than the other in order to give the proper slant or inclination to the table necessary to the operation of the device. In this form of construction each side of the table is provided with an upwardly-extending flange 6, whereby the egg in its passage from the upper to the lower end of the table is prevented from sliding off the table laterally. The operation is substantially the same as that heretofore described. The egg is dropped from the shell upon the upper end of the table—for instance, near the arrow 4—and immediately slides or rolls downwardly in the direction of the said arrow, during which movement thereof the white or albuminous portion slides or passes through the slot 7, while the yelk rolls or slides over the same till it reaches and passes over the slot 8, where the two parts are separated, as in

the manner hereinbefore described, each part dropping into a separate vessel arranged for its reception.

It is evident that many modifications in the construction of this device may be made without departing from the scope of my invention, and I do not limit myself to the exact form or arrangement thereof shown and described; but,

Having fully described said invention, its construction and operation, I claim, and desire to secure by Letters Patent, the following:

1. A device for separating the white and yelk of an egg, consisting of an inclined table, as 2, provided with a longitudinal slot, as 7, and a transverse slot, as 8, substantially as shown and described.

2. A device for separating the white and yelk of eggs, consisting of an inclined table or support provided with a longitudinal slot or slots and a transverse slot communicating with the longitudinal slot or slots, substantially as shown and described.

3. A device for separating the white and yelk of eggs, consisting of a table or support provided with a longitudinal slot or slots and a transverse slot and so supported as to give it an endwise and lateral inclination, substantially as shown and described.

4. A device for separating the white and yelk of eggs, consisting of a table or support provided with a longitudinal slot or slots and a transverse slot and an upwardly-extending flange 6, said device being so supported as to give it a lateral and longitudinal inclination, substantially as shown and described.

5. A device for separating the white and yelk of eggs, consisting of a table, as 2, provided with a longitudinal slot, as 7, a transverse slot, as 8, communicating with the longitudinal slot, and an upwardly-extending flange, as 6, said device being supported in a laterally and longitudinally inclined position, substantially as shown and described.

Signed at New York, in the county of New York and State of New York, this 18th day of January, A. D. 1892.

LYMAN F. PETTEE.

Witnesses:
CHAS. WIRTH,
J. K. GRIFFIN.