H. NORMAN.

EGG SEPARATOR.

APPLICATION FILED OCT. 12, 1915.

1,216,245.

Patented Feb. 13. 1917.

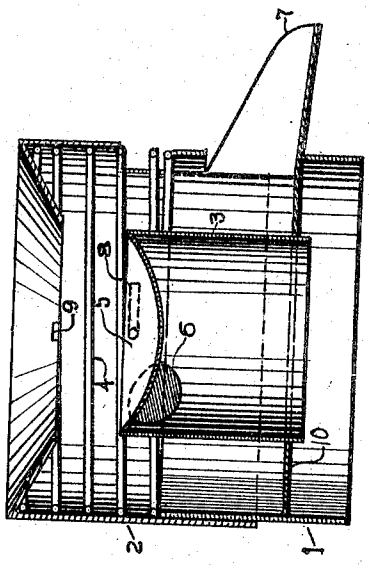


FIG. 3

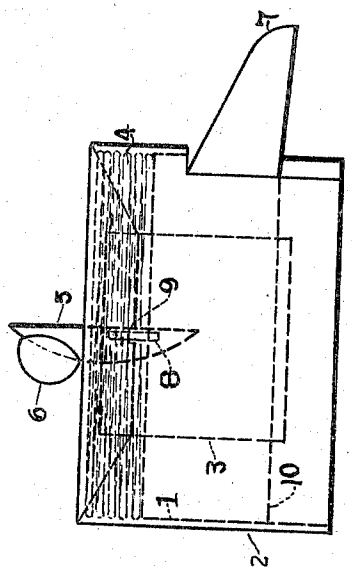


FIG. 4

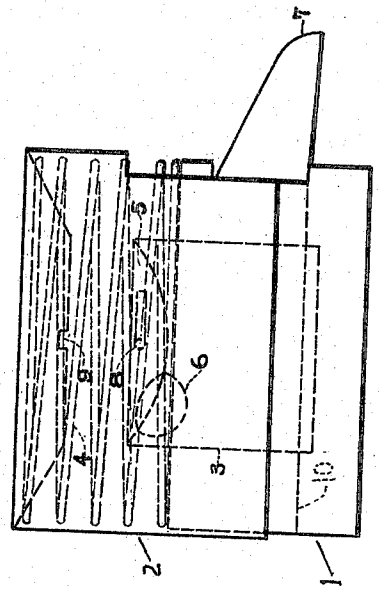


FIG. 1

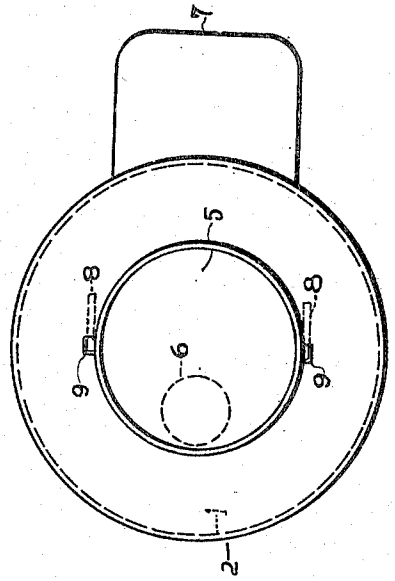


FIG. 2

WITNESSES:

Jos. P. Cary

A. B. Shaw.

INVENTOR.

Helgi Norman

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HELGI NORMAN, OF WINSLOW, WASHINGTON, ASSIGNOR OF ONE-HALF TO HARVEY CRESWELL NUGENT.

EGG-SEPARATOR.

1,216,245. Specification of Letters Patent. Patented Feb. 13, 1917.

Application filed October 12, 1915. Serial No. 55,443.

To all whom it may concern:

Be it known that I, HELGI NORMAN, a citizen of Canada, and a resident of Winslow, in the county of Kitsap and the State of Washington, have invented a new and Improved Egg-Separator, of which the following is an exact description.

This invention relates to tools or machinery for the purpose of separating the yolks from the whites of eggs, and has for its object whereby the operation is more efficient than heretofore.

The foregoing and other objects of this invention will be more fully described and illustrated in the drawings accompanying this specification in which like characters of reference indicate corresponding parts in all the views, in which:—Figure 1 is a side view of the separator made in accordance with this invention: Fig. 2 is a view in plan of Fig. 1; Fig. 3 is a vertical half section of Fig. 1. Fig. 4 is a side view showing the change of position of all the moving parts, from their position shown in the preceding figures.

As illustrated in the drawings it will appear that this invention contemplates the construction of a base 1 of a cylindrical shape, having within a horizontal partition 10, part of which extends through an opening in the cylinder forming an overhanging lip 7; together with a vertical tube 3 centrally disposed and extending through and slightly below the partition 10.

A cap 2 made to fit closely outside of the base 1, part being cut away adjacent to the lip 7 to allow of a vertical movement, has its top made in the shape of a funnel, the lower edge of which is of a slightly larger diameter than the vertical tube 3.

Notches 9 and 9 are cut in the lower edge for a purpose that will be explained.

A cup shaped receptacle 5 is pivoted within the mouth of the tube 3 on arms 8 and 8 that turn in holes in the rim of the tube 3, outside of which they are bent at right angles to act as levers to turn the receptacle to a vertical position.

A counter weight 6 is attached to the receptacle 5 for the purpose of returning it from a vertical to a horizontal position.

A spiral spring 4, designed to support the cap 2, has its lower coil resting on the upper edge of the base 1 and its upper turn beneath the funnel of the cap 2.

To describe successively the operation of this invention, and its mechanical movements: The contents of an egg are allowed to enter the funnel of the cap 2 and as it descends by gravity, the yolk is intercepted by the receptacle 5, the white continuing to the partition 10 and out of the lip 7 into any convenient dish.

By pressing down the cap 2 the lower edge of the funnel, on passing the mouth of the tube 3 severs any overhanging white left clinging to the yolk, and continuing to descend it comes in contact with the arms 8 and 8 forcing them downward, thereby turning the receptacle 5 from a horizontal to a vertical position, allowing the yolk to fall through the tube 3 into any receptacle. The notches 9 and 9 cut in the lower edge of the funnel allow the arms 8 and 8 a free movement.

The pressure on the cap 2 is released allowing the now compressed spiral spring to raise the cap 2 to its original position, the counterweight 6 returning the receptacle 5 to a horizontal position.

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

In a structure of the character described a base comprising a cylindrical body containing within and near its lower edge a horizontal partition, part of which extending through an opening in the wall of the cylindrical body, forms an overhanging lip or spout, together with a vertical tube, centrally located within the base, the lower portion extending through the horizontal partition and forming a passage way, a cap, the upper part of which is a funnel, said cap having its body conforming to the outside of the base, and adapted to move in a reciprocating manner, a spiral compression spring, supported by the rim of the base and in turn supporting the cap, the funnel top of the cap performing the function of a receiver, and the lower edge when in motion, and passing the mouth of the vertical tube, acting as a cutter, a receptacle, of a cup shaped character, designed to turn within the mouth of the vertical tube, around its horizontal axis by means of projecting arms or cranks, fas-

tened to the receptacle and working through holes near the rim of the vertical tube, the cranks when acted upon by the descending cup imparting a rotary movement to the receptacle, turning it from a horizontal to a vertical position, and a counterweight of a suitable size fastened in such a manner as to return it to a horizontal position.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

HELGI NORMAN.

Witnesses:
JOSEPH P. CARY,
A. B. SHAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."