

No. 876,181.

PATENTED JAN. 7, 1908.

H. W. HENRY.
EGG WASHING MACHINE.
APPLICATION FILED JAN. 14, 1907.

Fig. 1.

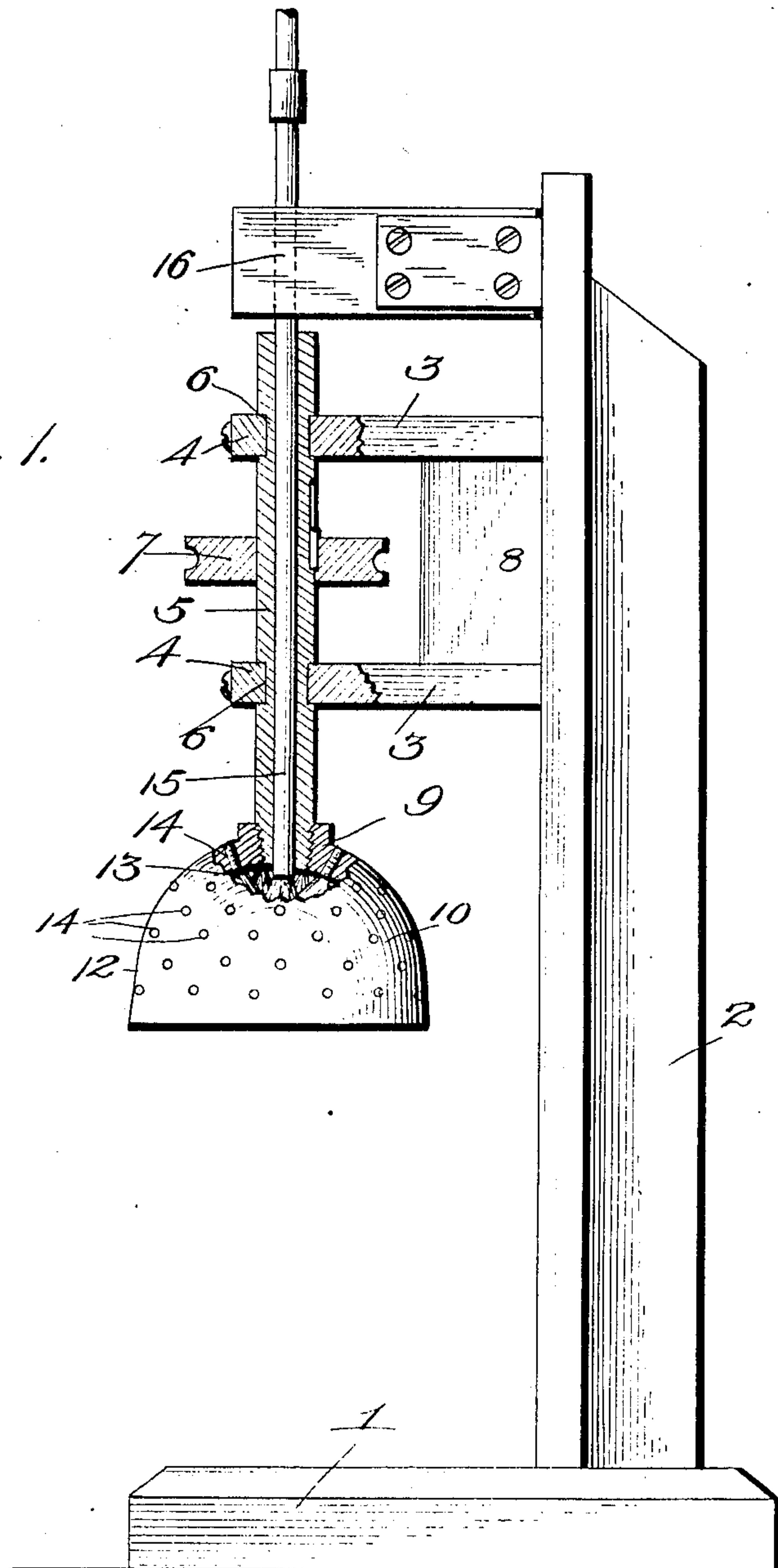
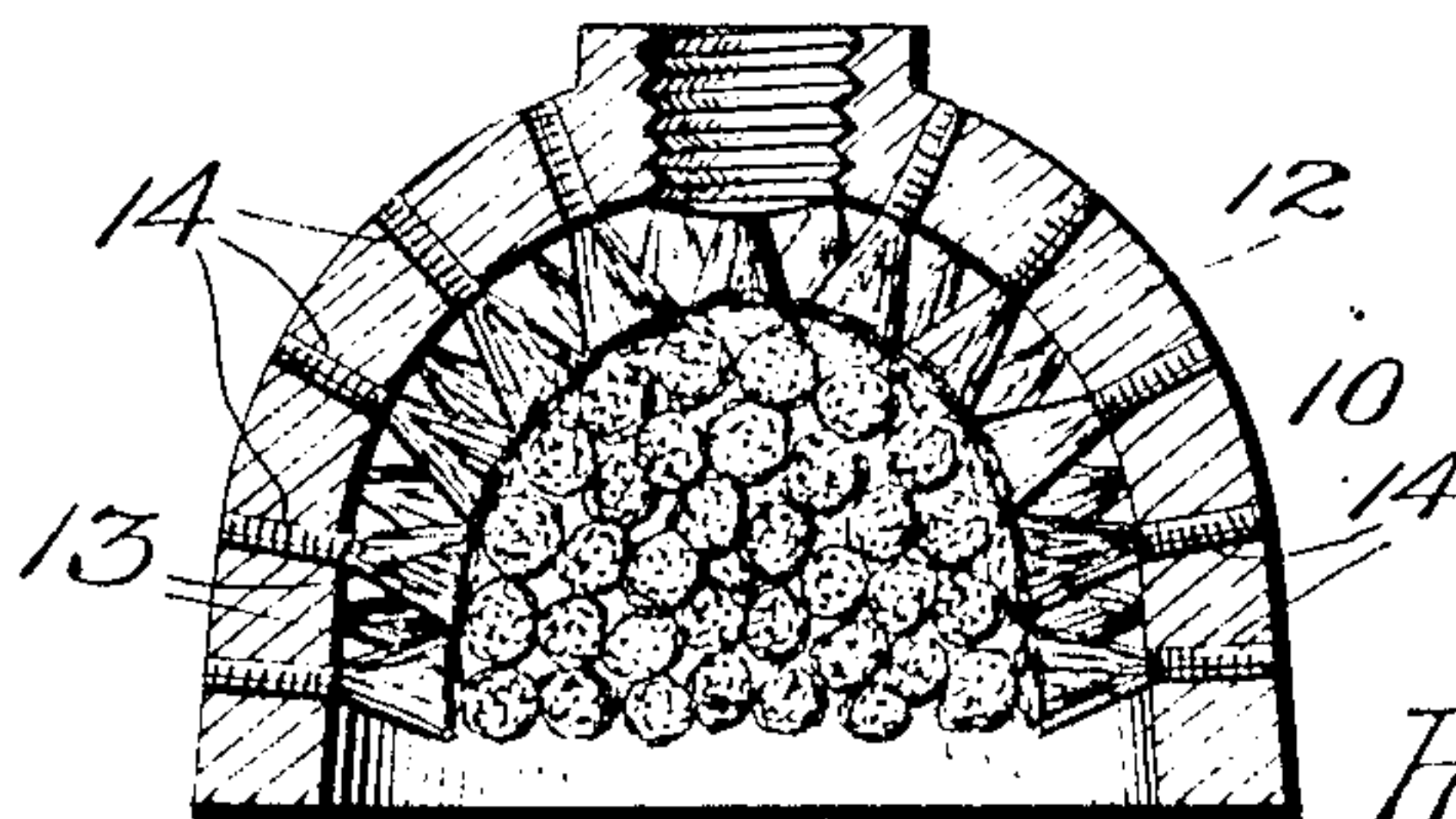


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

HARRY W. HENRY, OF CORTLAND, NEW YORK, ASSIGNOR OF ONE-HALF TO WILLIAM H. WOOLLAND, OF CORTLAND, NEW YORK.

EGG-WASHING MACHINE.

No. 876,181.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed January 14, 1907. Serial No. 352,171.

To all whom it may concern:

Be it known that I, HARRY W. HENRY, a citizen of the United States, residing at Cortland, in the county of Cortland and State of New York, have invented certain new and useful Improvements in Egg-Washing Machines; and I do 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.

This invention relates to improvements in egg washing machines.

The object of the invention is to provide a machine of this character by means of which eggs may be quickly and thoroughly washed and cleansed without the use of acids or other cleaning compounds.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is partly a side view and partly a sectional view of an egg washing machine constructed in accordance with the invention; and Fig. 2 is a vertical sectional view of the hollow brush with which the eggs are scrubbed.

Referring to the drawings, 1 denotes a base having secured thereto an upwardly-projecting standard 2. On the standard 2 near the upper end thereof is secured a pair of laterally-projecting, parallel bearing arms 3, on the outer ends of which are arranged bearings 4. In the bearings 4 is journaled a vertically-disposed, hollow operating shaft 5. The shaft 5 is provided with reduced annular bearing surfaces 6 engaged by the bearings 4 on the ends of the arms 3. Fixedly mounted on the shaft 5, preferably midway between the arms 3, is a driving pulley 7, said pulley being adapted to be connected by a suitable driving belt or cord with a suitable operating mechanism, not shown. The arms 3 are preferably braced at their inner ends by a plate or block 8.

The lower end of the shaft 5 is tapered and threaded, as shown at 9, and on said tapered and threaded end is adapted to be screwed a scrubbing brush 10. The brush 10 is here

shown and preferably consists of a hollow, substantially hemi-spherical body-portion 12. On one side of the body-portion 12 is formed a boss having a tapered and threaded recess formed therein, which is adapted to be screwed into engagement with the tapered and threaded lower end of the shaft 5. On the inner side of the body-portion 12 of the brush are arranged inwardly-projecting bristles 13, said bristles being preferably arranged in tufts, the upper ends of which are secured in radially-disposed apertures 14 formed in the walls of the body-portion 12. The bristles 13 may be of any suitable construction, but are preferably formed of fiber.

Arranged through the hollow shaft 5 and connected at its lower end with the inner side of the hollow brush 10 is a water conducting pipe 15, said pipe being supported and held in position by means of an arm or bar 16 secured to the inner side of the standard 2 adjacent to its upper end. The tube or pipe 15 is held rigid by the arm 16 and does not revolve with the shaft and brush, so that the water discharged from the inner end of the tube strikes directly upon the egg which is held in the brush by the operator. The upper end of the tube or pipe 15 is adapted to be connected with a suitable water supply pipe, as shown.

In practice, it will be understood that first one end of the egg and then the other is inserted into the open end of the hollow brush and thoroughly scrubbed and cleaned thereby. The rapid revolution of the bristles on the inside of the brush together with the constant supply of clean water will thoroughly and rapidly cleanse the egg engaged there-with without the necessity of applying any form of cleansing preparation.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

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

In an egg washing machine, a frame provided with bearings, a tubular rotary shaft journaled in said bearings, a hollow curvilinear

ear cleaning brush removably threaded onto
the end of and for movement with said shaft,
means for operating the latter, and a water
pipe extending through the shaft concentric
5 with the axis of rotation of and for supplying
water to the brush.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-
nesses.

HARRY W. HENRY.

Witnesses:

D. W. VAN HOESSEN,
W. D. CLOYES.