J. W. VAN ARNAM.

Egg-Tester.

No. 162,870. Patented May 4, 1875.

Fig. 1

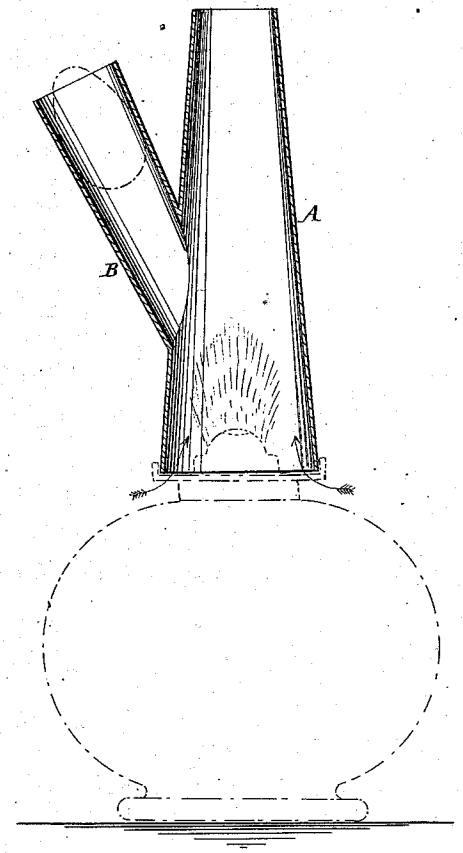
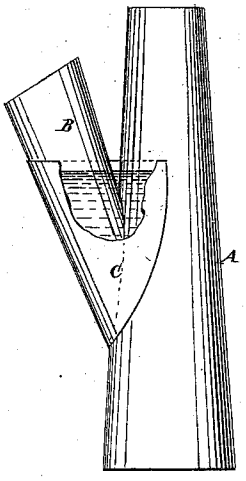


Fig. 2



WITNESSES:

A. W. Almqvist

A. F. Terry

INVENTOR:

J. W. Van Arnam

BY

ATTORNEYS.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JAMES W. VAN ARNAM, OF WATERTOWN, NEW YORK, ASSIGNOR TO HIMSELF AND CHARLES T. GREENE, OF NEWTOWN, CONNECTICUT.

IMPROVEMENT IN EGG-TESTERS.

Specification forming part of Letters Patent No. **162,870**, dated May 4, 1875; application filed October 3, 1874.

To all whom it may concern:

Be it known that I, JAMES W. VAN ARNAM, of Watertown, Jefferson county, New York, have invented a new and Improved Egg-Tester, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

Figure 1 is a sectional elevation of my improved egg-tester applied to a lamp, which is indicated in dotted lines; and Fig. 2 is a side elevation of the tester, with a water-holder surrounding the joint of the branch with the main tube to hold water, for preventing the heat of the flame from melting the solder employed for securing the branch to the chimney.

Similar letters of reference indicate corresponding parts.

A is the chimney-tube, which I prefer to arrange suitably for applying to the lamp known as the "sun-burner;" but it may be adapted for any lamp, or for a gas-burner, if preferred. B represents the egg-holding branch. The latter is arranged to open into the chimney at the top of the flame, or thereabout, and to incline upward in an oblique angle with the chimney, and it flares a little from the lower end upward, in order to receive and hold eggs of different sizes. The simplest way of attaching the egg-holder to the chimney is by soldering it; but when attached in that way, the solder is liable to be melted by the heat, making it necessary to apply a water-holder, C, in which water may be kept in contact, so as to keep the heat down; but it may be attached by interlocking tongues of one piece with holes of the other, also by riveting onto the other, and in various other ways.

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

1. A lamp-chimney provided with branch tube B, enlarging toward the outer and upper end, as and for the purpose described.

2. The combination, with tubes A B, soldered together at their junction, of the water-receptacle C, covering said joint with liquid, as and for the purpose specified.

JAMES W. VAN ARNAM.

Witnesses:

JOHN P. HOLCOMB,

VINCENT L. HART.