

No. 760,119.

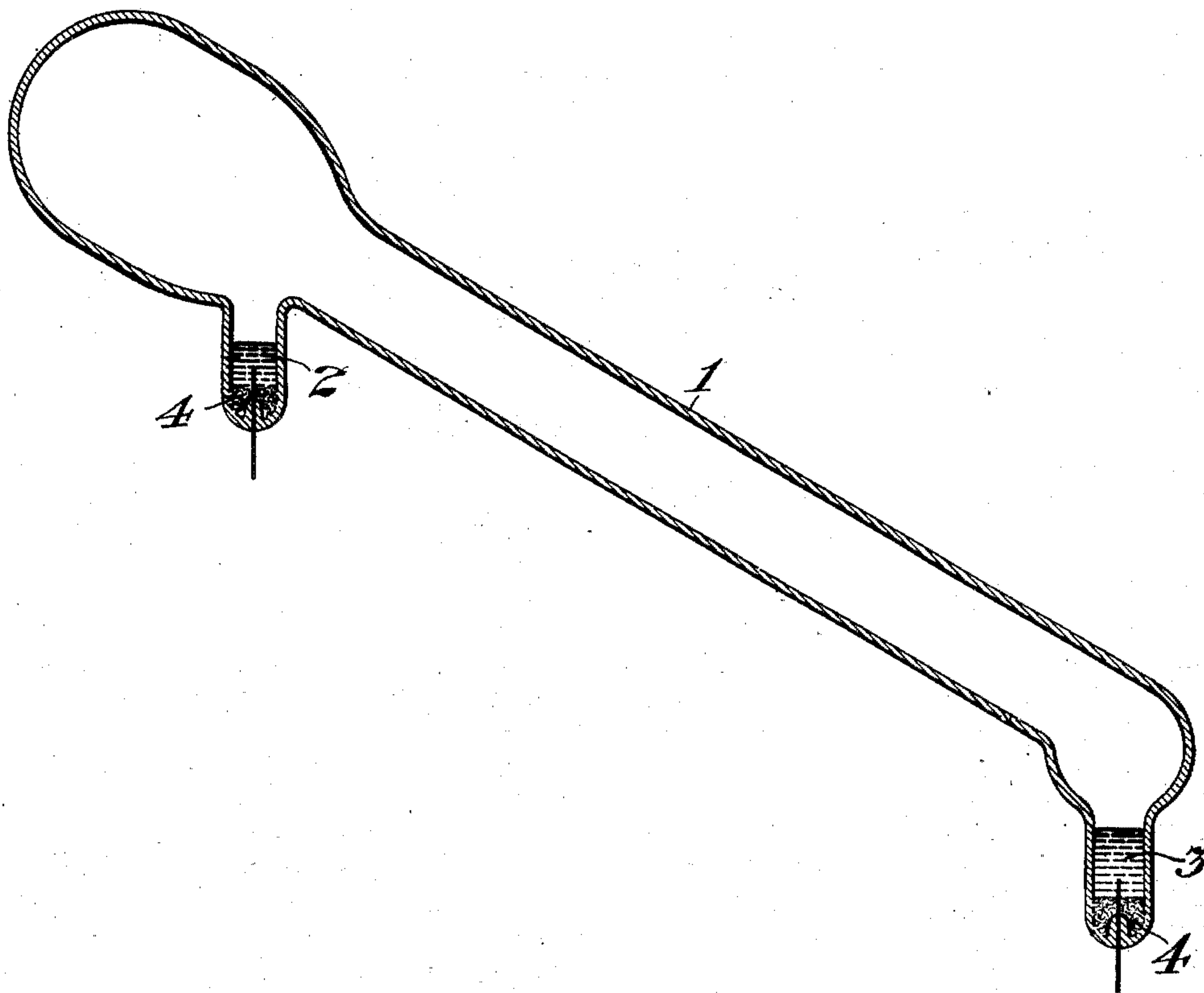
PATENTED MAY 17, 1904.

P. C. HEWITT.

MEANS FOR PROTECTING VAPOR ELECTRIC APPARATUS.

APPLICATION FILED DEC. 22, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

PETER COOPER HEWITT, OF NEW YORK, N. Y., ASSIGNOR TO COOPER HEWITT ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

MEANS FOR PROTECTING VAPOR ELECTRIC APPARATUS.

SPECIFICATION forming part of Letters Patent No. 760,119, dated May 17, 1904.

Application filed December 22, 1903. Serial No. 186,187. (No model.)

To all whom it may concern:

Be it known that I, PETER COOPER HEWITT, a citizen of the United States, and a resident of New York, county of New York, State of New York, have invented certain new and useful Improvements in Means for Protecting Vapor Electric Apparatus, of which the following is a specification.

When the container of a gas or vapor electric apparatus is made of glass or like material and contains one or more electrodes of mercury or the like, there is danger of cracking or fracturing the material of the container when the apparatus is carelessly handled either in manufacturing or transportation, sometimes also in the ordinary use of the apparatus.

The present invention is designed to overcome this danger by providing one or more cushions, of asbestos, glass-wool, or similar material, placed in such portions of the apparatus as are peculiarly liable to be injured when the mercury or other conducting liquid shifts its position suddenly within the container.

In the accompanying drawing, which is a longitudinal section of a gas or vapor electric lamp, the body of the container is shown at 1, a mercury negative electrode at 2, and a mercury positive electrode at 3. In the receptacles for the said electrodes I place small masses or pieces 4 of asbestos, glass-wool, or the like to serve as cushions for taking up the shock of the mercury or other conducting liquid

when it is returned suddenly to the negative electrode by the shifting of the container during transportation or manufacture or under any other circumstances. I may dispose similar masses of asbestos or the like in other parts of the apparatus which seem likely to be injured by the shifting mercury or other conducting liquid.

The invention is useful in apparatus of this class, whatever be the number of the electrodes, provided that one or more of said electrodes be of mercury or other conducting liquid.

I claim as my invention—

1. The combination with a gas or vapor electric apparatus having a body of fragile material and containing one or more liquid electrodes, of one or more cushions as described, at such point or points in the interior of the apparatus as are especially liable to shock.

2. The combination with a gas or vapor electric apparatus having a body of fragile material and containing one or more electrodes of mercury, of one or more cushions of glass-wool located at such point or points in the interior of the apparatus as are especially liable to shock.

Signed at New York, in the county of New York and State of New York, this 14th day of December, A. D. 1903.

PETER COOPER HEWITT.

Witnesses:

WM. H. CAPEL,
GEORGE H. STOCKBRIDGE.