

G. E. WALTON.
VACCINE CASE.

No. 176,716.

Patented April 25, 1876.

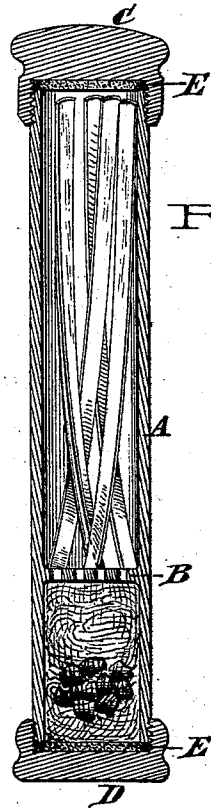


Fig. 1

Attest

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UNITED STATES PATENT OFFICE.

GEORGE E. WALTON, OF CINCINNATI, OHIO.

IMPROVEMENT IN VACCINE-CASES.

Specification forming part of Letters Patent No. **176,716**, dated April 25, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that I, GEORGE E. WALTON, of Cincinnati, Hamilton county, State of Ohio, have invented an Improvement in Vaccine-Case, of which the following is a specification:

My invention has for its object the better preservation of the vaccine virus, which quickly loses its active properties when exposed to air and moisture; and my invention consists, for the incasing of the vaccine matter or virus, of a sealing-case provided with a perforated or pervious partition or diaphragm, which separates a chamber in which may be placed a moisture-absorbing substance, the whole more fully described hereafter.

In the accompanying enlarged sectional drawing is shown the style and construction of the sealing-case.

A is the body of the case, made of hard rubber or other desirable material, preferably in tubular form, and provided with a partition, B, which is either pervious or provided with perforations, as seen in the drawing. By this construction the case A is separated into two compartments provided with lids C D, which are screwed upon the case and form an impervious joint by the introduction of a dense and compressible substance, E.

When the case is thus closed over the vaccine in the large chamber it is perfectly protected from outside moisture, and, barring moisture which might be closed in with it,

would keep an indefinite length of time, and perfectly retain its active properties; but it is also obvious that if moisture were inclosed with the vaccine the latter would soon deteriorate. Now, by the introduction into the small chamber of a moisture-absorbing material the moisture which may lodge in and permeate through the case after being closed or sealed can be entirely absorbed from both chambers by reason of the diaphragm B, and be thus prevented from affecting the quality of the vaccine.

As seen in the drawing, the moisture-absorbing material is wrapped in cotton or other suitable material.

The case is of convenient size for the pocket and neatly made, with lids C D of different conformation, so as to be readily determined the one from the other.

Having thus described my invention, I claim—

For inclosing and preserving vaccine virus, the sealing-case A, provided with diaphragm B, either pervious or perforated, the whole to operate substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

GEO. E. WALTON.

Witnesses:

JOHN E. JONES,
J. L. WARTMANN.