

No. 656,914.

Patented Aug. 28, 1900.

R. WALSH.  
VACCINE POINT CARRIER.

(Application filed Mar. 30, 1900.)

(No Model.)

Fig. 1.

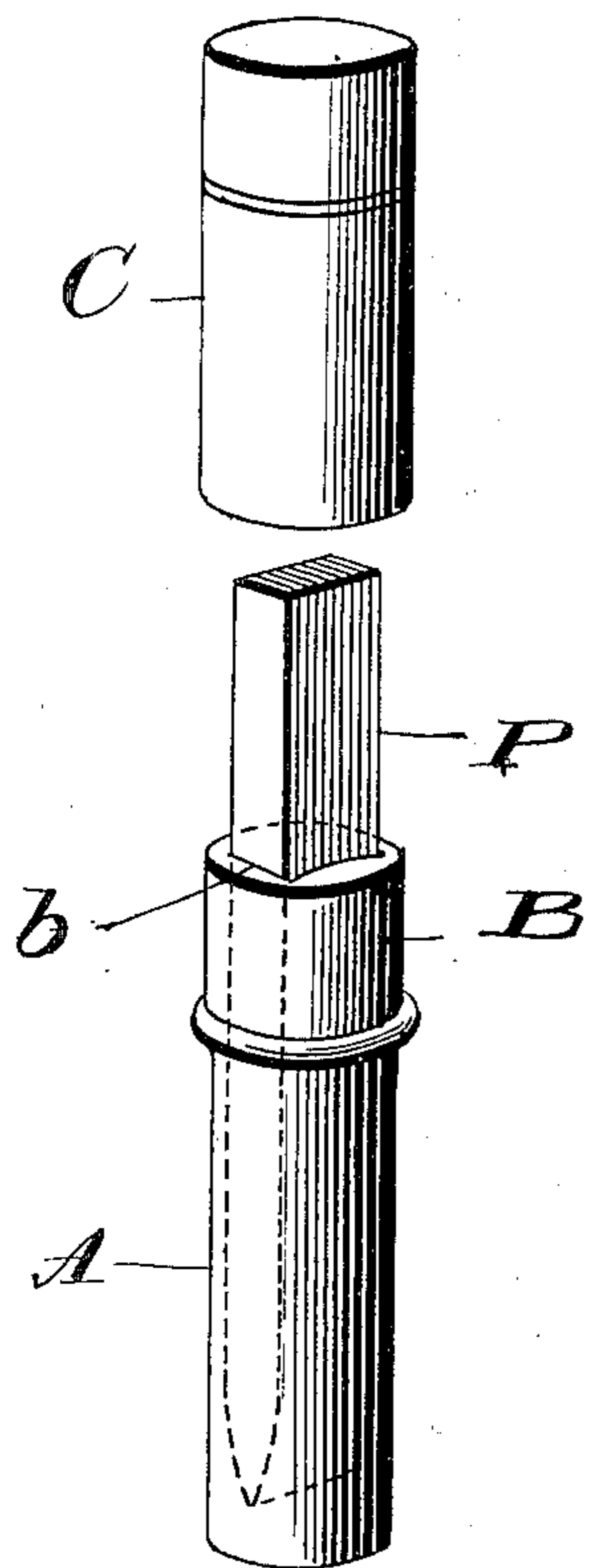


Fig. 2.

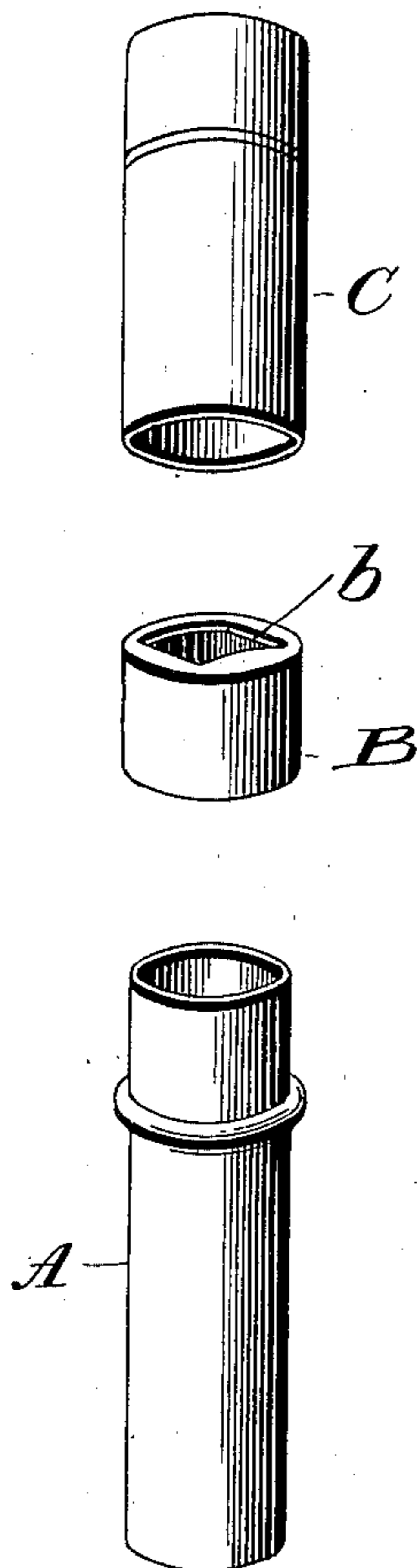


Fig. 3.

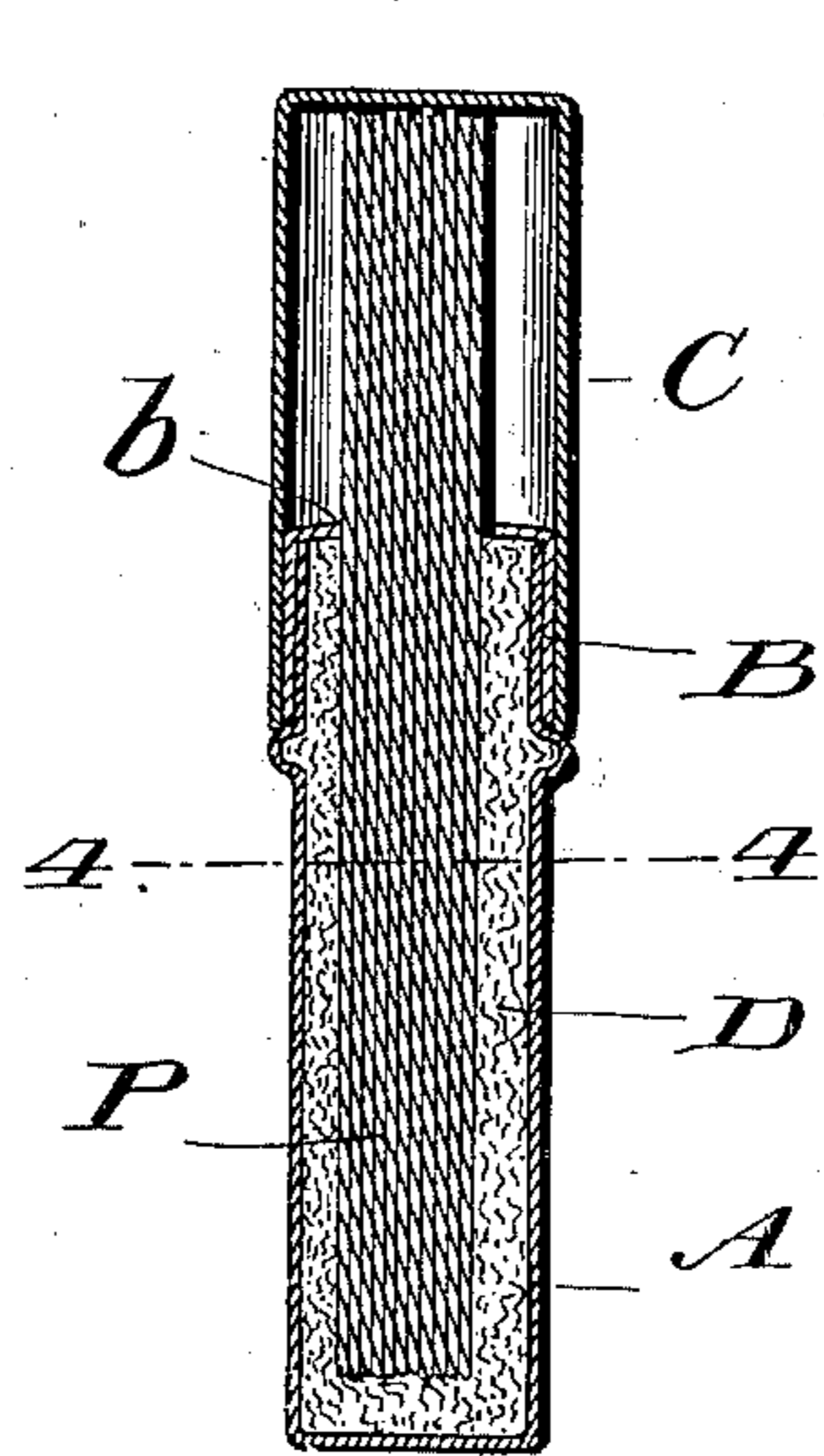
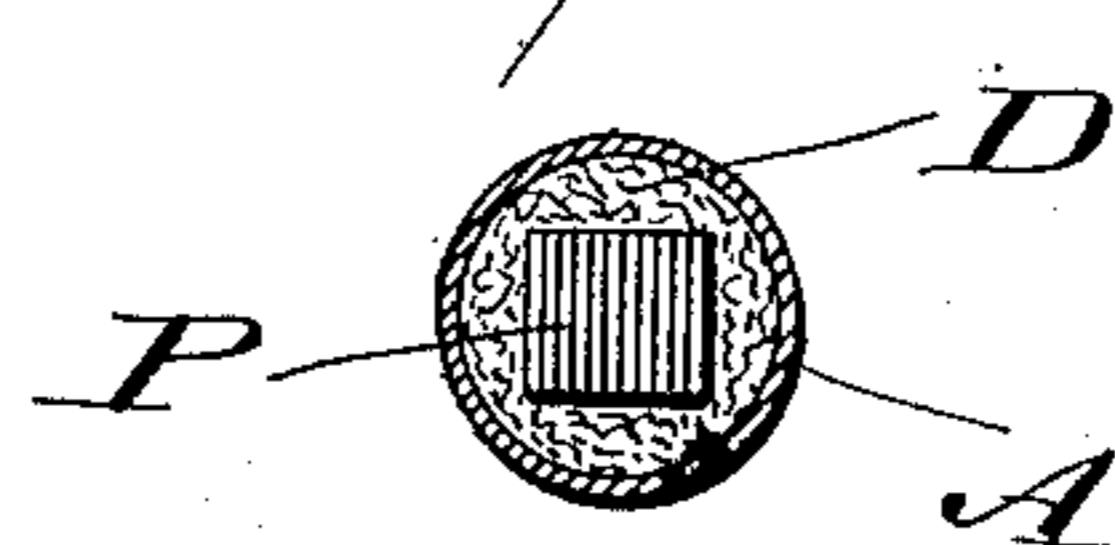


Fig. 4.



WITNESSES:

L. C. Hills.  
E. W. A. D. K.

INVENTOR:

Ralph Walsh,  
BY *Marcelus Bailey* Attorney

# UNITED STATES PATENT OFFICE.

RALPH WALSH, OF WASHINGTON, DISTRICT OF COLUMBIA.

## VACCINE-POINT CARRIER.

SPECIFICATION forming part of Letters Patent No. 656,914, dated August 28, 1900.

Application filed March 30, 1900. Serial No. 10,819. (No model.)

*To all whom it may concern:*

Be it known that I, RALPH WALSH, a citizen of the United States, residing in Washington city, in the District of Columbia, have  
5 invented a new and useful Improvement in Vaccine-Point Cases or Carriers, of which the following is a specification.

My object is to provide a case or carrier for ivory or other points armed with dry vaccine  
10 which will hold them safe and protected from extraneous injurious influences until the last point is used up.

The invention has been particularly designed for use in connection with points armed  
15 with the dry glycerinized vaccine-lymph, which is the subject of the application for Letters Patent of Edward Mason Parker, filed February 5, 1900, Serial No. 3,989; but it can  
20 of course be used in connection with other dry points.

The box or case is one which is provided with a body to contain in the vaccine-armed ends of the points a guide-cap through which the handle ends of the points protrude, an  
25 aseptic or sterilized expansible filling or packing around the points in the body which will expand, so as to fill the space left by the points as they are withdrawn, and a removable cover which fits upon the cap or body  
30 and shields the protruding handle ends of the points.

In the accompanying drawings, forming part of this specification, Figure 1 is a view of the device with the cover removed. Fig.  
35 2 is a view of the cap, body, and cover before they are put together. Fig. 3 is a vertical central section of the complete device. Fig. 4 is a horizontal section of the same on line 4 4, Fig. 3.

The body A, cap B, and cover C may be of any suitable material—as, for example, sheet metal—and that may be of cylindrical or other  
40 suitable contour. In the top of the cap B, which top is preferably slightly dome-shaped, is an aperture *b*, preferably rectangular in shape, of a size to fit fairly snugly around the handle end of the vaccine-armed points P, which protrude through it. D is an aseptic  
45 expansive filling or packing consisting, for example, of sterilized jeweler's cotton.

While the method of packing the points into the case forms no part of the present invention, I would remark that in practice I avoid handling the points by hand after they are

once armed or provided with the vaccine. 55  
They are put into their cases by means of sterilized mechanical appliances, which avoid necessity of touching them with the hand. So, too, the body A is sterilized before the points are placed in it. After the requisite  
60 number of points have been dropped into the body A, I then by means of a suitable mechanical appliance on, for example, sterilized forceps fill the interior of the body A around the points therein with an expansible aseptic  
65 filling D, preferably sterilized jeweler's cotton, which is packed closely into the body A around the points, so as to fill all that part of the body which is unoccupied by the points. After this has been done the cap B is put on  
70 over the top of the body, the handle ends of the points passing out through the aperture *b*, as seen in Fig. 1. The cap may then be permanently secured to the body, if desired, although this is not indispensable. It should,  
75 however, fit the body so tightly that it will not be withdrawn with the cover C when the latter is taken off. The removable cover C fits down over the handle ends of the points upon the cap or body and is preferably of such  
80 dimensions that when in place its top will bear tightly upon the upper ends of the points P. Whenever a point is desired, the cover C is removed, and one of the points can then be readily withdrawn, the other points being  
85 steadied and held in place by the aseptic expansion filling or packing D, which expands to take the place of the withdrawn point and closes around the remaining points, so as to protect them thoroughly. 90

What I claim is—

A vaccine-point carrier or case consisting of a body or case proper for receiving the charged ends of the points, a cap filling the open end of said body and having an aper-  
95 ture formed therein through which the uncharged ends of said points protrude, a removable cover for said protruding ends, and an aseptic expansible packing filling the box or case around the points therein, substan-  
100 tially as and for the purposes hereinbefore set forth.

In testimony whereof I have hereunto set my hand this 27th day of March, 1900.

RALPH WALSH.

Witnesses:

EWELL A. DICK,  
EDWIN K. LUNDY.