No. 697,637. Patented Apr. 15, 1902.

J. E. LEE.

SHIELD FOR VACCINATIONS, &c.

(Application filed Nov. 12, 1901.)

(No Model.)

FIG. 1.

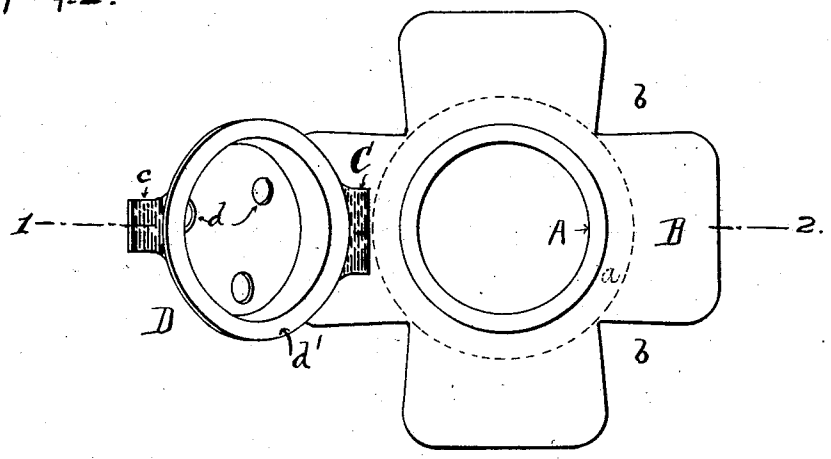


FIG. 2.

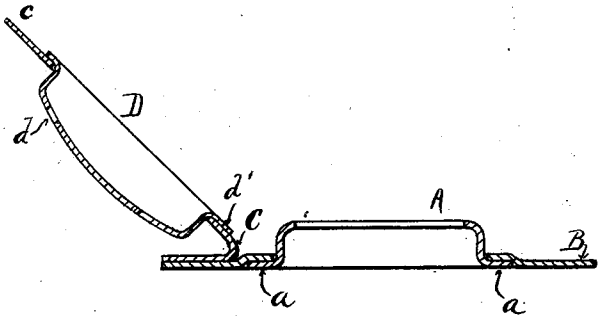
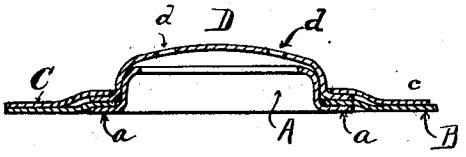


FIG. 3.



WITNESSES:

F. W. Albright

A. C. Connor

INVENTOR

J. ELLWOOD LEE

BY

Howson and Howson

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN ELLWOOD LEE, OF CONSHOHOCKEN, PENNSYLVANIA.

SHIELD FOR VACCINATIONS, &c.

SPECIFICATION forming part of Letters Patent No. 697,637, dated April 15, 1902.

Application filed November 12, 1901. Serial No. 82,019. (No model.)

To all whom it may concern:

Be it known that I, JOHN ELLWOOD LEE, a citizen of the United States of America, residing in Conshohocken, in the county of Montgomery, State of Pennsylvania, have invented an Improved Shield for Vaccinations, &c., of which the following is a specification.

The object of my invention is to provide an inexpensive, easily-applied, and comfortable shield for vaccinations, boils, carbuncles, and the like and so constructed that the shielded part can be got at easily without removing the shield. This object I attain in the manner which I will now proceed to describe.

In the accompanying drawings, Figure 1 is a face view of the shield with hinged cap thrown back. Fig. 2 is a sectional view on the line 1 2, Fig. 1; and Fig. 3 is a similar sectional view with the cap closed.

The shield is composed of two parts, of which one is a flanged ring A, somewhat in the form of a dome open at the top. Over this ring and fitting down on the flange *a* thereof I fit a strip B of material (such as surgeon's adhesive plaster) adhesive on its under face. This strip should have radial notches *b*, which in the case illustrated in the drawings give to the strip an outline somewhat like a Maltese cross, the purpose of the notches being to permit the adhesive strip to smooth down over the patient's arm or other part without wrinkling or creasing. The other part of the shield consists of a flanged dome or hollow cap D, which will fit down over the upwardly-projecting ring A. This cap D has suitable small ventilation-openings, as at *d*. The cap D is hinged to the surface of the strip B, preferably by means of another strip C of surgeon's adhesive plaster, fastened to the flange *d'* of the cap D. I prefer to make this strip C in the form of a ring fitting all around on and adhering to the flange *d'* of the cap D and with an extension *c* at the side opposite the hinge to hold down the cap when closed by adhesion to the surface of the strip B.

The upward or outward projection of the ring A and the fitting of the dome-like cap D over this ring aids greatly in holding the cap in place.

The ring A and the cap D may be formed of any suitable material which is comparatively stiff. I prefer to employ celluloid, and preferably transparent celluloid.

It will be seen that the above-described construction of shield for vaccination, &c., is inexpensive, very easily applied, and that it will stay in place without discomfort to the wearer, and yet will permit the vaccination or other protected part to be got at easily by simply lifting the cap D on its hinge and without removing the shield as a whole.

I claim as my invention—

A shield comprising a ring having a horizontally-projecting flange with a strip of surgeon's adhesive plaster fitting over and around the ring and on the flange thereof, in combination with a cap fitting over the ring and a strip of adhesive material surrounding the cap and adhering to the first-mentioned strip to hold the cap in place.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

J. ELLWOOD LEE.

Witnesses:
M. E. WRIGHT,
F. R. JONES.