

W. B. POTTER
VOLTAIC PLASTER.

No. 187,310.

Patented Feb. 13, 1877.

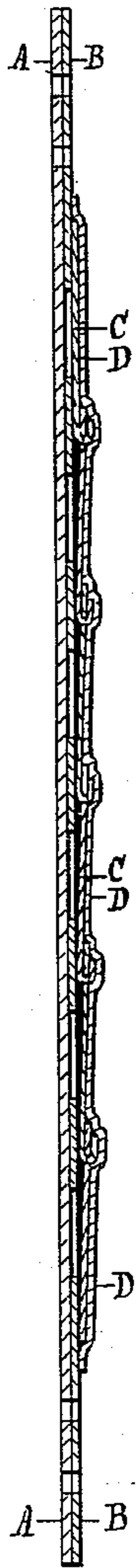


FIG. 2.

*J. E. Knox.
Geo. H. Moore*

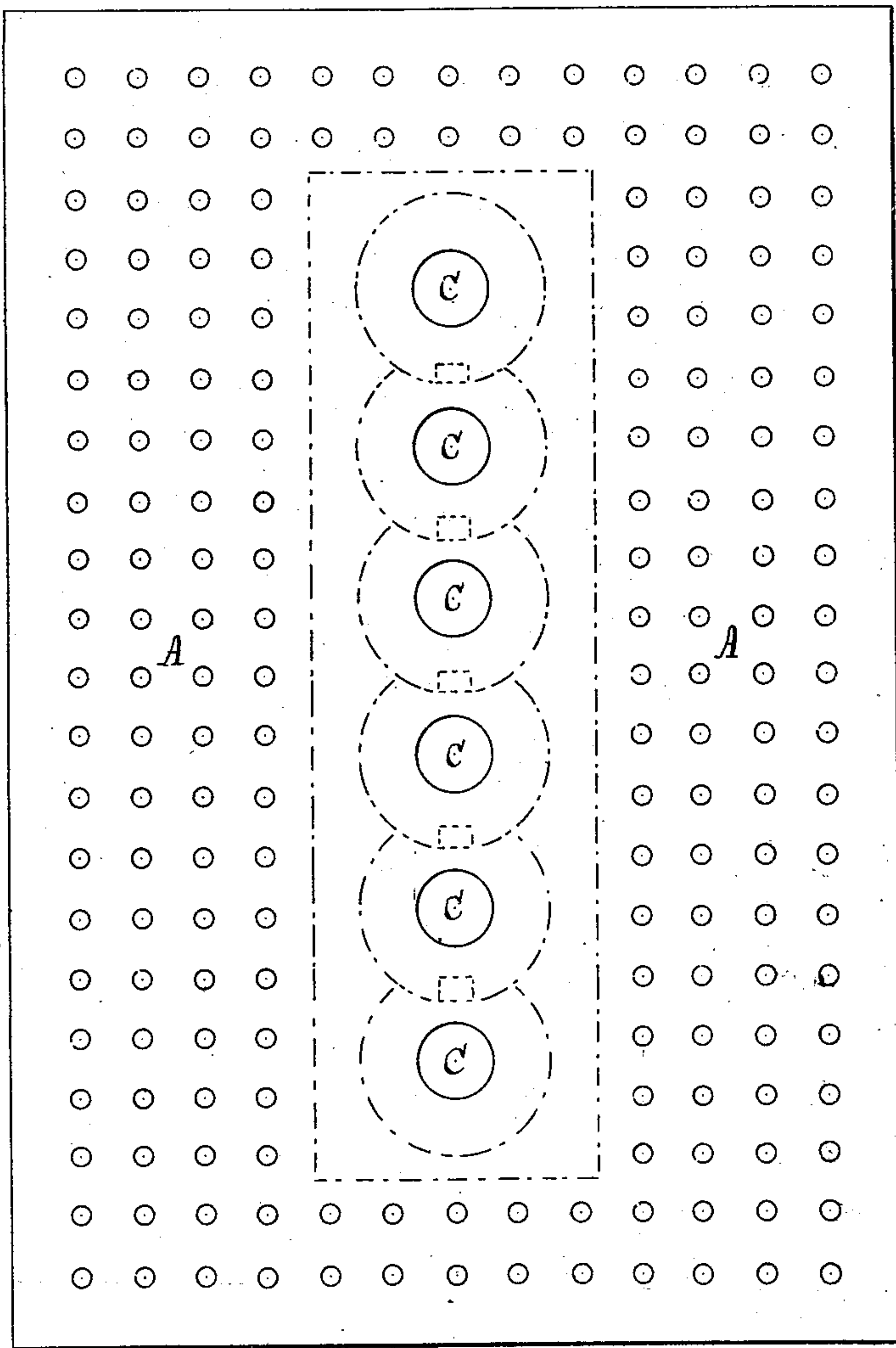


FIG. 1.

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UNITED STATES PATENT OFFICE.

WARREN B. POTTER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN VOLTAIC PLASTERS.

Specification forming part of Letters Patent No. **187,310**, dated February 13, 1877; application filed January 19, 1877.

To all whom it may concern:

Be it known that I, WARREN BAILEY POTTER, of Boston, Suffolk County and State of Massachusetts, have invented an Improved Voltaic Plaster, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, making a part hereof.

My invention relates to the mode of applying the voltaic plates to the plaster. My improved plaster consists of a sheet of medicated adhesive compound of any suitable ingredients—the ingredients being too well known to need description—mounted upon a sheet of cloth, leather, or other suitable material, and a series of metal plates; these elements being all old and well known, and forming no part of my present invention; but heretofore these plates have usually been applied to the front of the plaster, being imbedded in or stuck to the adhesive sheet of medicated compound; while in my improved plaster these metal plates are applied to the back of the plaster, and a series of holes is punched through the plaster, exposing a portion of the plates, so that when in use the plaster and its backing-sheet of cloth lie between the skin and the plates. The plates are best secured in position by a strip of cloth cemented over them and upon the cloth back of the plaster. For convenience, I use the adhesive compound, of which the plaster is made, as a cement.

In the drawings, Figure 1 is a plan of one of

my improved plasters, and Fig. 2 is a longitudinal section, enlarged for clearness. A is the medicated compound; B, the cotton-cloth backing; C, the voltaic plates; and D, the strip of cloth holding the plates in place.

I commonly use six plates—zinc and copper alternately—and six holes through the plaster; but the number may be varied. I also commonly perforate the plaster to make it porous. The plates are ordinarily connected together by passing a projection from one through an orifice in the other; but this is not necessary in my improved plaster, when the plates are secured to the plaster, as shown in the drawings; for the strip of cloth D, when properly cemented in place, will not only hold the plates to the plaster, but will also keep the plates in proper relation to each other. The plates may be arranged in a line, as shown, or in a variety of other ways.

What I claim as my invention is—

The improved voltaic plaster above described, having the voltaic plates secured to the back of the plaster, and holes cut through the plaster, above the plates, as and for the purpose specified; so that, when in use, the plaster shall lie between the plates and the skin.

WARREN B. POTTER.

Witnesses:

J. E. KNOX,

GEO. O. G. COALE.