

Williard C. Collins's *Medicated Voltaic Strengthening Plaster.*

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Fig. 1

PATENTED JUL 4 1871

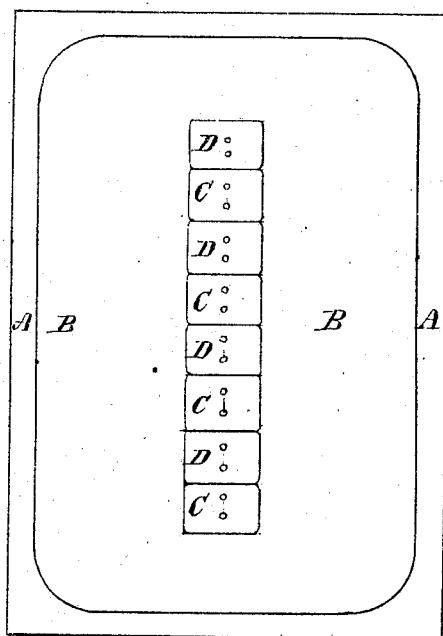
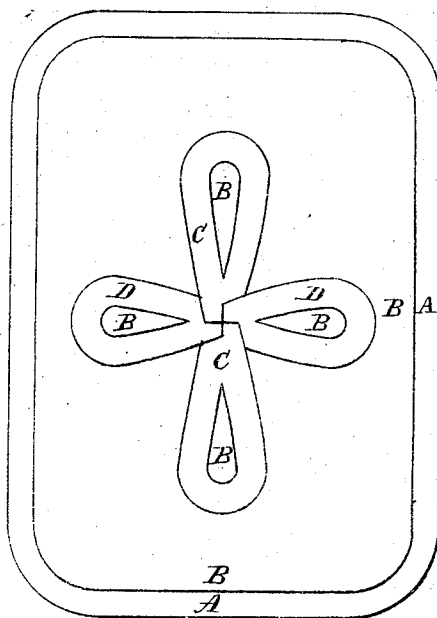


Fig. 2



Witnesses

H. J. Whitman.
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Willard C. Collins
By T. W. Porter Atty

UNITED STATES PATENT OFFICE.

WILLARD C. COLLINS, OF BUCKSPORT, MAINE.

IMPROVEMENT IN MEDICATED VOLTAIC PLASTERS.

Specification forming part of Letters Patent No. 116,562, dated July 4, 1871.

To all whom it may concern:

Be it known that I, WILLARD C. COLLINS, of Bucksport, in the county of Hancock and State of Maine, have invented a new and useful or Improved Medicated Voltaic Strengthening-Plaster, of which the following is a specification:

This invention relates to improvements in plasters, composed of gums or other medical compounds, which are externally applied to the human body; and the invention consists in the combination of voltaic plates with a medicated plaster, as is hereinafter more fully described.

The figures in the accompanying drawing represent some of the modifications of the forms of plates employed in this invention.

Similar letters of reference indicate corresponding parts in the several figures.

In practicing this invention the plaster may be of any desired form or size as the part of the body to which it is to be applied may render necessary. Any kind of compound used in spreading plasters may be employed as the disease to be treated may require. The voltaic plates may be of any required form, as convenience may dictate, and their disposal upon the area of the coating material is governed by the same rule. For the purpose of producing voltaic action I usually employ plates of zinc and copper; but any other metals may be employed which will produce the intended effect.

In the accompanying drawing, A represents the back of the plaster, which may be of cloth, leather, or other suitable material. B is the medicated coating, which, as before stated, may be of any desired material to produce the intended result. This coating is spread upon back A in the usual manner; and while in the plastic state the alternating plates of zinc, marked C, and the copper plates, marked D, are embedded in the coating, in contact with each other, so that when the plaster is applied to the body the galvanic action of the plates shall be excited, which, in conjunction with the medicated coating, shall produce the intended effect upon the patient.

I do not claim any specific kind of medicated plaster; nor do I claim, in the abstract, the employment of galvanic plates or piles in the treatment of diseases, as various so-called armor-plates, soles, &c., have been used; but

What I do claim as new, and desire to secure by Letters Patent, is—

The combination of voltaic plates with medicated plasters, substantially as described and shown.

WILLARD C. COLLINS.

Witnesses:

W. H. PILSBURY,
S. A. COBB.

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