

JOHN R. ANDERSON.

Improvement in Magnetic Bath-Tubs.

No. 128,094.

Patented June 18, 1872.

Fig. I.

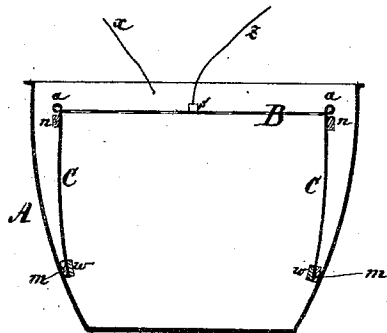
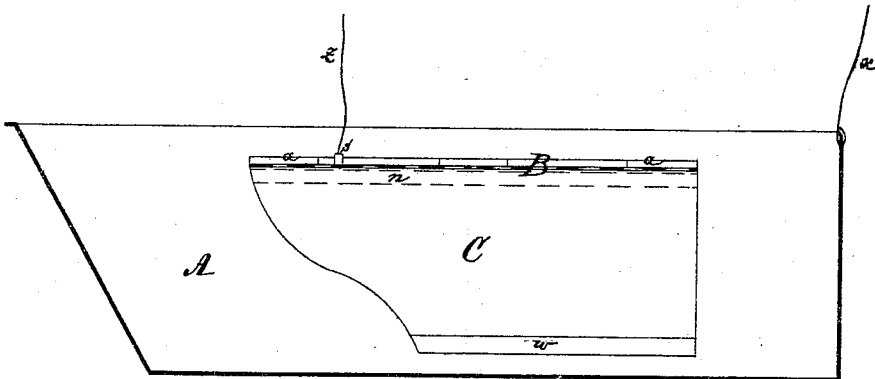


Fig. II.

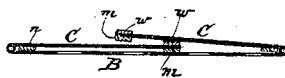


Fig. III.

Witnesses

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JOHN R. ANDERSON, OF NEW YORK, N. Y.

IMPROVEMENT IN MAGNETIC BATH-TUBS.

Specification forming part of Letters Patent No. 128,094, dated June 18, 1872.

To all whom it may concern:

Be it known that I, JOHN R. ANDERSON, of New York, in the county and State of New York, have invented a new and useful Improvement in Electro-Magnetic Bath, of which the following is a specification:

The nature of my invention consists in the arrangement of a metallic plate or frame, capable of being applied to any bath-tub, whether insulated or not, and connected with one pole of a battery while the bath-tub is connected with the other pole, to cause the current of electricity to pass upward or downward, as well as sidewise through the body of the patient operated upon, and at the same time to make the apparatus easily transportable, so as to be capable of being used in any bath-tub.

In the accompanying drawing, Figure I represents a longitudinal section of a bath-tub with metallic frame, and Fig. II is a cross-section of the same.

A represents a bath-tub, and B C the metallic (iron) frame. This frame consists of a perforated top plate, B, with side pieces C C, hinged on at the sides at *a*, extending the whole length. On the outside of the plates C, near the top, wooden strips *n* are fastened, and similar wooden strips *m* are attached at the bottom on the outside, and strips *w* on the inside at the bottom edges. These wood strips *n* and *m* on the outside are for the purpose of forming a perfect insulation between the frame and the bath-tub, in case the top or bottom of the frame should come near the metal of the bath-tub, while the wooden strips *w* at the inner sides are for the purpose of preventing said frame from coming in contact with the body of the patient. The outer sides of this frame are further insulated by being painted or enameled. On the top plate B a boss, *s*, is provided, to which the wire *z* from one pole of the battery is attached, while the wire *x* from the other pole of the battery is attached to any convenient part of the bath-tub, either at the top or bottom end.

When the patient is in the bath-tub, the

frame B C is placed over him so as not to touch his body, and then the wires from the battery connected with the frame and with the bath-tub. The current of electricity will then pass either into the metal of the bath-tub through the body of the patient and escape to the frame, or said current will pass into the frame escaping from the top plate as well as from both the side plates, and pass into the body of the patient, escaping into the metal of the bath-tub and back to the battery. When the frame is not in use, or when the same requires to be transported from one place to another place, this frame can be folded up, as represented in Fig. III.

By the construction of this frame and the manner of insulating the same, as above described, any bath-tub as at present fitted up in dwelling-houses, may be used in combination with this frame and a battery, for the purpose of giving electrical-baths, while with all other arrangements, the patient has to be taken to the establishment expressly fitted up and constructed with bath-tubs for that purpose. Instead of constructing the frame, as above described, the same may be made in one piece, by forming a part of an arch, having similar wooden pieces at the bottom and side, and painted or enameled on the outside for the purpose of insulation.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with a bath-tub a metallic frame, consisting of a perforated top plate B and hinged side plates C, or its equivalents, provided with wooden strips *n*, *m*, and *w*, and insulated on the outside, said frame being connected with one pole and the bath-tub with the other pole of a battery, substantially as and for the purpose hereinbefore set forth.

JOHN R. ANDERSON.

Witnesses:

HENRY E. ROEDER,
A. C. CRONDAL.