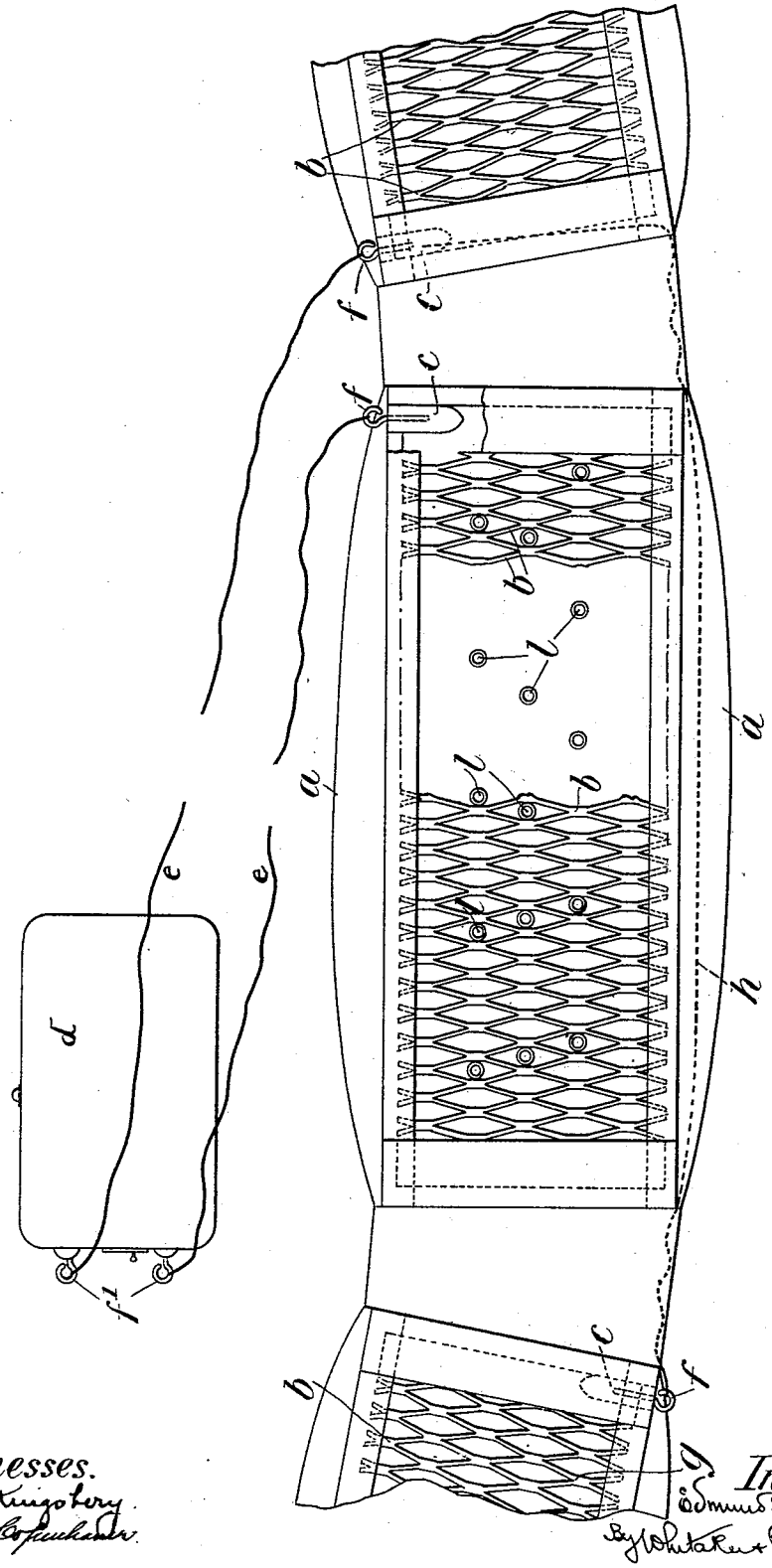
(No Model.)

E. S. COLLICOTT.

ELECTRODE FOR GALVANIC BELTS.

No. 563,016. Patented June 30, 1896.



Witnesses.
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UNITED STATES PATENT OFFICE

EDMUND SPENCER COLLICOTT, OF LONDON, ENGLAND.

ELECTRODE FOR GALVANIC BELTS.

SPECIFICATION forming part of Letters Patent No. 563,016, dated June 30, 1896.

Application filed May 18, 1896. Serial No. 591,963. (No model.)

To all whom it may concern:

Be it known that I, EDMUND SPENCER COLLICOTT, a subject of the Queen of Great Britain, residing at London, England, have invented new and useful Improvements in and Connected with Electric Belts and Like Appliances to be Worn Next the Skin, of which the following is a specification.

This invention relates to an improved appliance designed to be attached to a body-belt or other article of wearing-apparel for the purpose of causing a current of electricity to pass through a portion of the body.

According to my invention I provide the belt or other article of wearing-apparel with thin reticulated sheets or plates of aluminium or other metal which does not injuriously affect the skin by contact. This reticulated sheet-metal work is attached to the belt at two or more parts and to each portion of the same a conducting-wire is connected, which wires pass to the poles of a suitable pocket-battery, so that by making a contact a current is sent through the wires, being distributed through the part of the body with which the reticulated plates are in contact.

To enable my invention to be fully understood, I will describe it by reference to the accompanying drawing, in which I have shown a portion of a body-belt provided with my improvements.

a is the belt, and *b b* the reticulated plates of aluminium. The edges of these plates are, as shown, sewed to the belt, so that one surface of each of the plates is uncovered to enable it to come into direct contact with the skin.

c c are terminals soldered to each plate.

d is the pocket-battery, and *e e* are the two wires coming from the said battery *d* and connected to two of the terminals *c c* by means of plugs *f f* on the ends of the wires. In the drawing three reticulated plates are shown, the third plate *g* being connected with one of the other two by means of a wire *h*, which passes through the material of the belt, as shown. *l l* are aluminium eyelets in the body of the belt for ventilating purposes.

My belt is applied to the body in the usual manner and connected by the wires *e e* and plugs *f' f'* to the battery *d*, placed in any convenient pocket, the circuit being broken by a switch in the battery. When it is desired to pass a current through the body, the battery is put into operation by its switch, by which also the passage of the current may be stopped when required.

It will be obvious that a belt having my improvements is light and serviceable, and, as my reticulated plates are made of aluminium, the skin will not be injuriously affected, as is the case with such belts as heretofore constructed.

I wish it to be understood that, although I have represented my improvements as applied to a body-belt, I can also apply them to any other article of wearing-apparel worn next the skin.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

An electric body-belt or like appliance to be worn next the skin having two or more reticulated plates of aluminium or other metal which does not injuriously affect the skin, the said plates being connected by wires to the two poles of a pocket electric battery in the manner and for the purpose substantially as described.

EDMUND SPENCER COLLICOTT.

Witnesses:

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