No. 741,623. PATENTED OCT. 20, 1903.

J. S. BUSKY, JR.

ELECTRIC SHOE.

APPLICATION FILED JULY 18, 1903.

NO MODEL.

Fig. 1

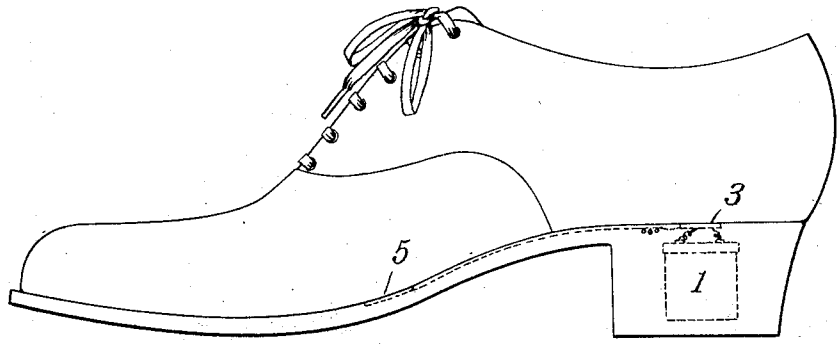


Fig. 2

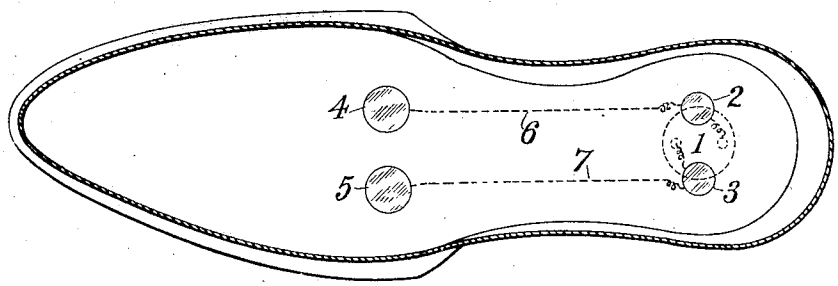


Fig. 3

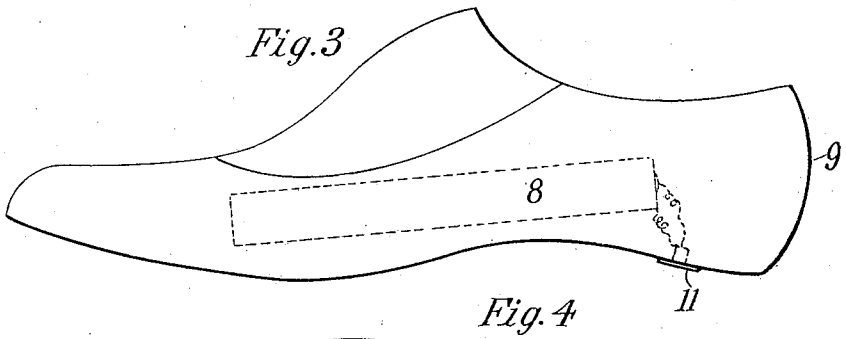
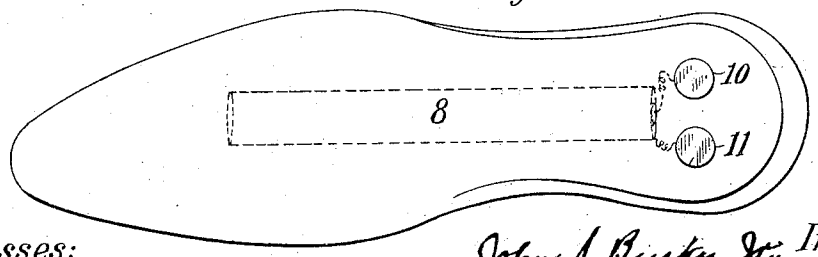


Fig. 4



Witnesses:
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John S. Busky, Jr., Inventor
by Kerr, Page & Cooper, Attys

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

No. 741,623. Patented October 20, 1903.

UNITED STATES PATENT OFFICE.

JOHN SAMUEL BUSKY, JR., OF NEW YORK, N. Y.

ELECTRIC SHOE.

SPECIFICATION forming part of Letters Patent No. 741,623, dated October 20, 1903.

Application filed July 18, 1903. Serial No. 166,176. (No model.)

To all whom it may concern:

Be it known that I, JOHN SAMUEL BUSKY, Jr., a citizen of the United States, residing at New York, county of Kings, State of New York, have invented certain new and useful Improvements in Electric Shoes, of which the following is a specification, reference being had to the drawings accompanying and forming part of the same.

My invention has for its object to provide a shoe which will deliver a curative current of electricity to the foot of the wearer; and to this end it consists of the novel features and combinations hereinafter described, and more particularly pointed out in the claim.

Referring now to the drawings, Figure 1 is a side view of a shoe embodying my invention, showing the storage battery in the heel in dotted lines. Fig. 2 is a plan of the sole looking downward, the upper of the shoe being in section. Fig. 3 is a side view of the tree or last used for charging the storage-cell in the shoe, the primary battery being shown in dotted lines. Fig. 4 is a bottom plan view of Fig. 3.

In the shoe itself, preferably in the heel, I locate a small storage-cell 1, of any convenient form, and connect its poles to electrodes 2 and 3, made of metal and lying flush with the surface of the inner sole. Toward the opposite end of the shoe are two more electrodes 4 5, connected to the former by wires 6 7. The poles 2 4 are of course insulated from the poles 3 5.

When the electrodes are in contact with the foot of the wearer, a gentle current will flow through the foot from poles 2 4 to 3 5, tending to prevent fatigue and to exert a curative effect for rheumatism, &c.

When the battery has become exhausted, it may be charged from any suitable source; but I prefer to employ a primary battery 8 in the last or tree 9 having electrodes or contacts 10 11, which latter are so located on the lower surface of the tree as to be in contact with the electrodes 2 3 in the sole of the shoe. Current will therefore flow into and be stored in the cell 1 whenever the tree is placed in the shoe.

My invention is of course capable of various embodiments, and I therefore do not consider myself limited to that herein specifically described; but

What I claim is—

The combination with a shoe, a storage-cell in the heel thereof, and exposed electrodes on the inner sole, of a last or tree, a primary battery carried by the same, and electrodes adapted to make contact with the electrodes on the inner sole when the last or tree is inserted in the shoe, whereby the storage-cell will be charged, as set forth.

JOHN SAMUEL BUSKY, JR.

Witnesses:
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