

## "Improvements in electropathic socks for boots and shoes."

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PROVISIONAL SPECIFICATION.

**“Improvements in Electropathic Socks for Boots and Shoes.”**

We, JONAS ANIDJAR ROMAIN of Brunswick House, Brunswick Place, City Rd. E.C., Manufacturer, and STELLA SARAH ANIDJAH of 355 Essex Rd., Canonbury N., Spinster, do hereby declare the nature of this invention to be as follows;—

5 This invention relates to electropathic socks for boots and shoes, the object being to provide means for generating a slight electric current which may be passed through the portion of the body in contact therewith or in close proximity thereto.

10 The invention consists in providing in the desired position or positions in the body of the sock a number of strips of copper and zinc or the like spaced apart but connected in pairs or in series and arranged so that the perspiration of the body will cause the required current to be generated.

15 In carrying out the invention the sock for a boot or shoe is made up from felt or other textile substance mounted or bound to a backing or undersole of cardboard, or asbestos, horse-hair or other absorbent material. In a position corresponding to the ball of the foot a number of thin strips of copper and zinc or the like are alternately disposed with spaces between them. The strips may at intervals pass through slits in the felt so that they are held securely in position. Each pair of strips may be connected at the one or both ends, as for instance by  
20 turning the ends over transverse strips, or the whole of the strips may be connected in series in a similar manner. The connections may be made beneath the felt, the ends of the strips being turned in through slits in the same.

If desired the strips may be let in below the surface of the felt so as not to cause inconvenient projections.

25 Dated this 19th day of September, 1905.

JONAS ANIDJAR ROMAIN.  
STELLA SARAH ANIDJAH.

COMPLETE SPECIFICATION.

**“Improvements in Electropathic Socks for Boots and Shoes”**

30 We, JONAS ANIDJAR ROMAIN of Brunswick House, Brunswick Place, City Road, E.C., Manufacturer, and STELLA SARAH ANIDJAH of 355 Essex Road, Canonbury, N., Spinster, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement;—

35 This invention relates to electropathic socks for boots and shoes wherein as is well known alternate zinc and copper strips are embedded, these in contact

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*Romain and Anidjah's Improvements in Electropathic Socks for Boots and Shoes.*

with the human body generating a slight electric current. Various arrangements have been hitherto proposed for obtaining such a result. For instance, in hat bands and corsets, copper and zinc strips or wires have been interlaced with the fabric employed, and in a boot sock, zinc and copper strips have been embedded in the material of the sock, the strips being afterward covered with a thin sheet of fabric in which holes are formed to expose the alternate strips for the purpose described. 5

The invention consists in arranging in the body of the sock a number of alternate strips of copper and zinc spaced apart, and causing such strips to interlace with the felt, cardboard or other material forming the sock. 10

The accompanying drawings illustrate two modes of carrying out the invention.

Figure 1 being a plan view of a sock with part of the felt cut away to expose the strips.

Figure 2 a longitudinal section through the sole on an enlarged scale.

Figure 3 is a plan of a modification. 15

In carrying out the invention as applied to a sock for use in a boot or shoe, the sock is made up from felt or other textile substance mounted or bound to a backing or undersole A of cork, cardboard, asbestos, horse-hair or other absorbent material. In a position corresponding to the ball of the foot a number of thin strips of copper C and zinc Z or the like are alternately disposed with spaces between them. The strips at intervals pass through slits in the felt so that they are held securely in position, by the intervening strips of felt B. Each pair of strips, C, Z, may be connected at the one or both ends, as for instance by turning the ends, D over transverse strips, E as shown in Figures 1 and 2 or the whole of the strips may be connected in series in a similar manner as shown in Figure 3. The connections may be made beneath the felt, the ends of the strips being turned in through slits in the same. 20 25

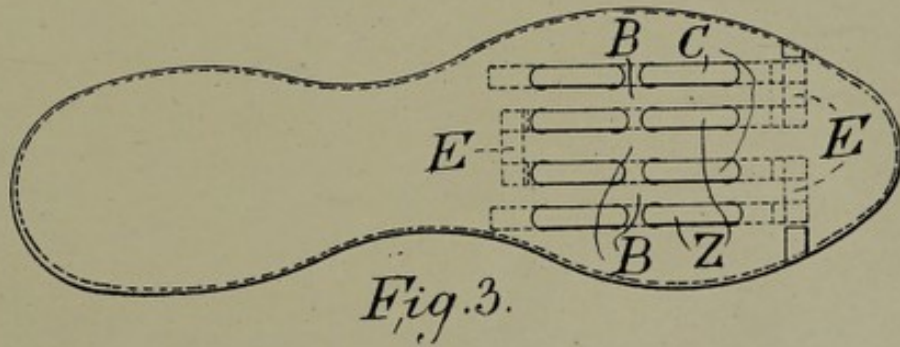
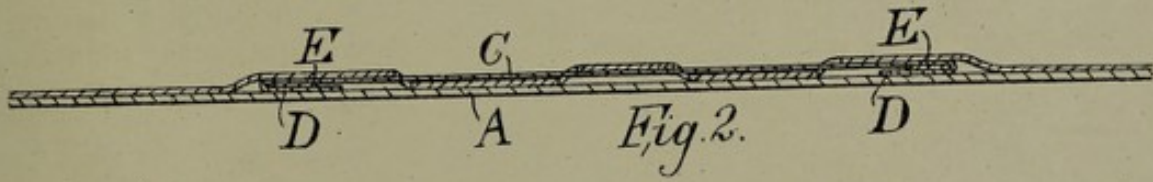
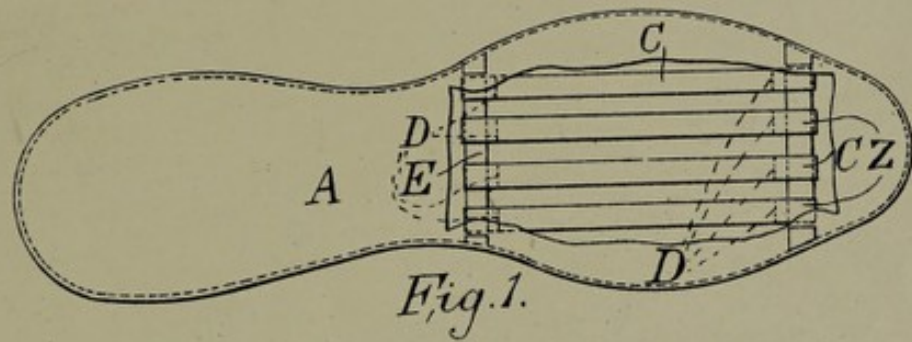
Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed we declare that what we claim is;— 30

An improved electropathic sock for boots and shoes wherein a number of spaced alternate strips of copper and zinc are interlaced with the material forming the sock, as and for the purpose described and illustrated in the accompanying drawings.

Dated this 19th day of April, 1906. 35

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[This Drawing is a reproduction of the Original on a reduced scale.]



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