

A. CONSTANTINE.
SEWING THIMBLE.
APPLICATION FILED NOV. 12, 1909.

981,173.

Patented Jan. 10, 1911.

Fig 1



Fig 2

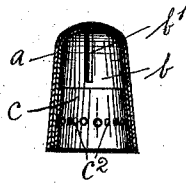


Fig 3

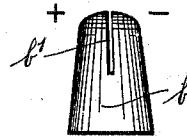
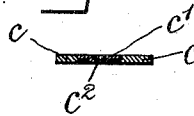


Fig 4



Fig 5



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALFRED CONSTANTINE, OF BIRMINGHAM, ENGLAND.

SEWING-THIMBLE.

981,173.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed November 12, 1909. Serial No. 527,673.

To all whom it may concern:

Be it known that I, ALFRED CONSTANTINE, of 219 Well street, Birmingham, in the county of Warwick, England, manufacturer, having invented certain new and useful Improvements in Sewing-Thimbles, for which I have obtained a patent in Great Britain, No. 6253, bearing date March 16, 1909, do hereby declare that the following is a full, clear, and exact description of the same.

My invention comprises improvements in sewing thimbles, and refers to that class of such articles which are designed to have a curative effect for various ailments such as rheumatism; the object of my said invention being to provide an improved and more efficient means for the specified purpose.

According to my invention I provide a thimble composed of several layers of metals. Within the casing, which may be of any ornamental metal desired, I place a magnetic liner in the form of a ring preferably of steel, of a shape corresponding with the thimble casing. This liner has a longitudinal saw cut forming of the liner substantially a horse shoe magnet. Within the steel portion and next to the finger, I provide a galvanic lining embodying two metals designed to form a couple and set up galvanic action when the thimble is placed on the hand.

Referring to the drawings: Figure 1 is an outside elevation of a sewing thimble according to my invention; Fig. 2 is a section through same at A—B showing also the interior of the galvanic ring; Fig. 3 illustrates the magnetic lining removed; Fig. 4 illustrates the thimble partly broken away to show the interior of the galvanic lining; and Fig. 5 is a cross section through the galvanic lining.

In manufacturing a thimble according to my invention as shown upon the accompanying drawings at Figs. 1-5, the casing *a* may be of any suitable metal or material such as silver and within this I fit a lining *b* which is of magnetic metal and preferably steel. This lining *b* serves to support and strengthen the silver casing and in addition its upper end has a saw cut *b*¹ forming substantially a horse shoe magnet when magnetized.

Inside the magnetic lining I fit a galvanic ring consisting of any two metals which will set up a galvanic action under moisture from the hand. The ring preferably consists of a circle *c* of zinc and a narrow band or circle *c*¹ of copper, placed on the outside of the zinc, the copper band having studs *c*² projecting through the zinc to the interior of the thimble thus making contact with the finger.

What I claim is:—

In a sewing thimble for personal wear, an outer casing, a liner of magnetic material fitting within said casing and having a saw cut in its top, and a galvanic device within the liner and comprising an inner ring having openings and an outer ring provided with studs projecting through said openings, the whole arranged to surround a finger tip and to have the studs in contact with said tip.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED CONSTANTINE.

Witnesses:

HARRY C. FORRESTER,
NORMAN S. BARLOW.