

(No Model.)

C. HORNER.
THIMBLE.

No. 404,910.

Patented June 11, 1889.

Fig. 1.

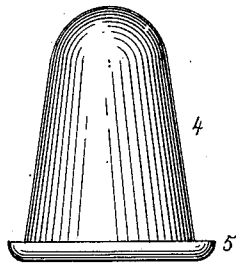


Fig. 2.

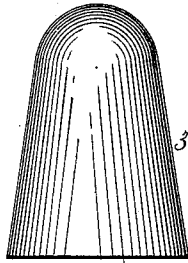


Fig. 3.

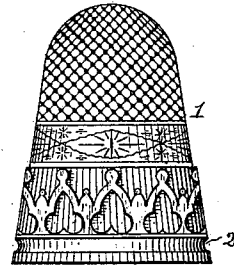
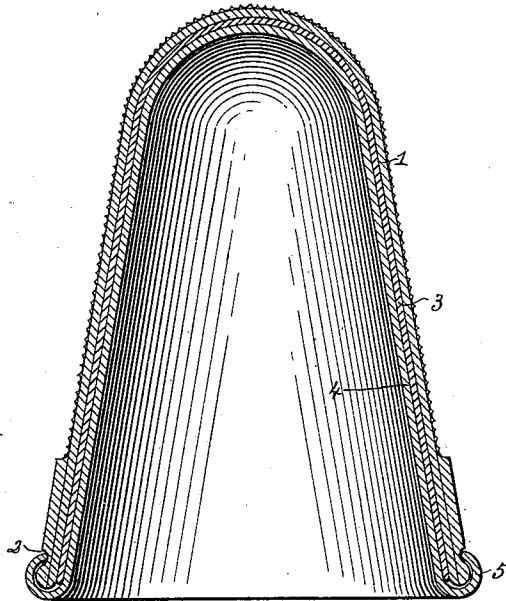


Fig. 4.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

CHARLES HORNER, OF HALIFAX, COUNTY OF YORK, ENGLAND.

THIMBLE.

SPECIFICATION forming part of Letters Patent No. 404,910, dated June 11, 1889.

Application filed June 21, 1886. Serial No. 205,824. (No model.) Patented in England June 14, 1884, No. 8,954.

To all whom it may concern:

Be it known that I, CHARLES HORNER, of Halifax, in the county of York, England, a subject of Her Majesty Queen Victoria, have invented new and useful Improvements in Thimbles, for which I have obtained a patent in Great Britain, No. 8,954, bearing date June 14, 1884, of which the following is a description.

10 Thimbles have heretofore been made of gold or silver, which are objectionable because of not having sufficient rigidity or durability, so that they are liable after wear to be punctured by the needle; and they have also been
15 made of steel, which is objectionable because of its cheap appearance and liability to rust.

My invention aims to produce a thimble which shall have the appearance of being made of a precious metal, and shall be as durable and as free from danger of puncturing
20 as though made of steel. I attain this object by the construction illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the inside lining
25 of the thimble. Fig. 2 is an elevation of an inside lining made of steel. Fig. 3 is an elevation of the outer covering. Fig. 4 is a sectional elevation showing the three parts in position, one within the other, and drawn to
30 enlarged scale in order to clearly illustrate the invention.

Like letters refer to like parts throughout the several views.

In the construction of thimbles according to this invention, I employ an outer casing of silver or precious metal and corresponding in form to an ordinary silver thimble, but having a groove 2 formed around its rim. Within the outer casing 1 is placed a steel cup or lining 3, and within the latter is inserted an inner lining 4, of silver, forming the interior of the thimble, and having a hollow flange 5, which incloses the shoulder 2 of the outer silver casing 1, and is burnished over the shoulder 2, thereby completing the thimble, which
45 has a steel inner lining which cannot be pierced by the needle when the outer covering 1 becomes worn.

I am aware that prior to my invention thimbles having "ends" of steel have been made, and I therefore do not claim the combination of steel and silver or precious metals, broadly; but

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

55 A thimble composed of an outer casing and an inner lining, both of precious metal, in combination with a steel core interposed between said casing and lining, substantially as set forth, whereby a thimble having the appearance of the precious metal and the durability of steel is formed.

CHARLES HORNER.

Witnesses:

A. F. CHAPMAN,
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