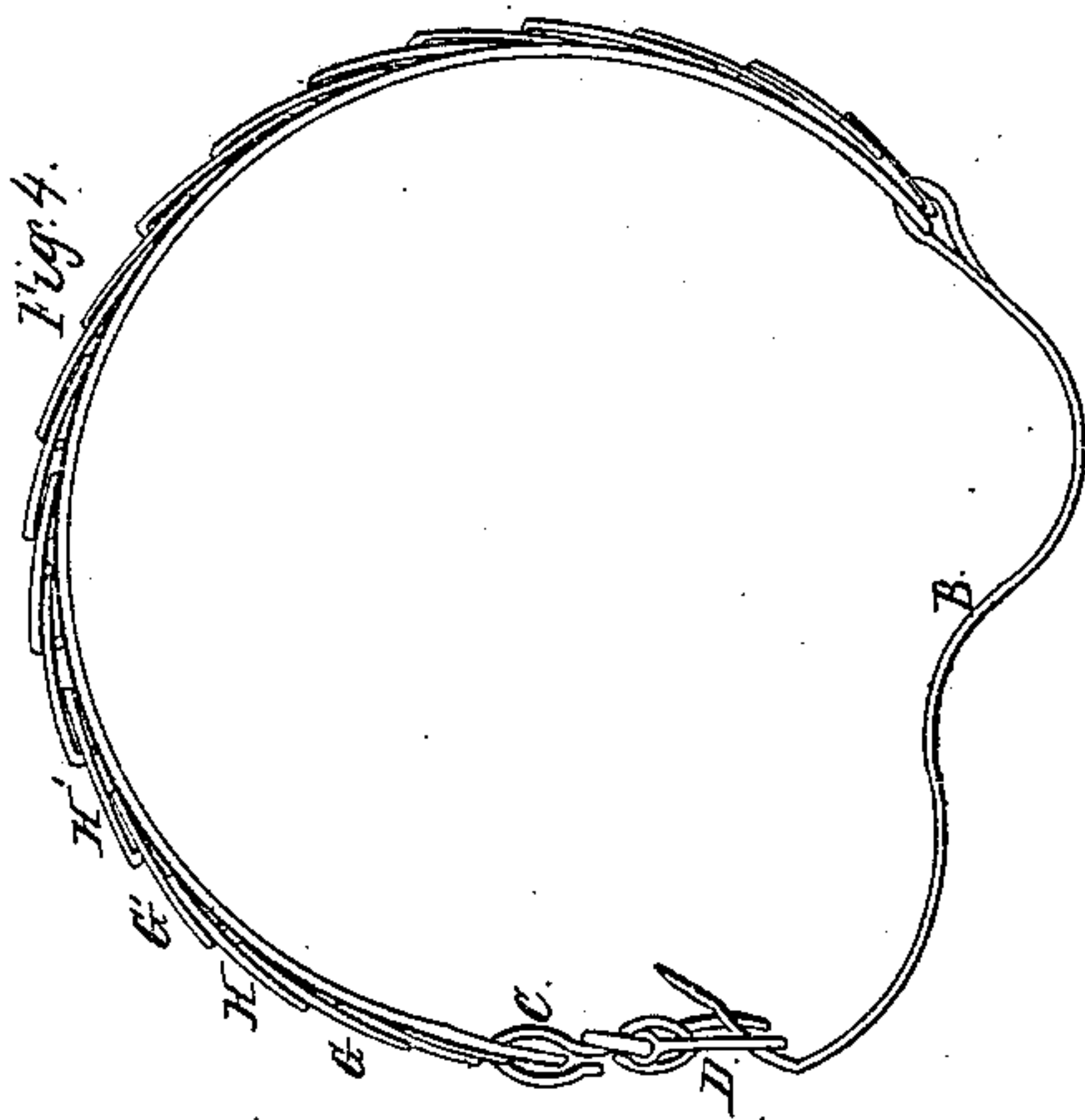
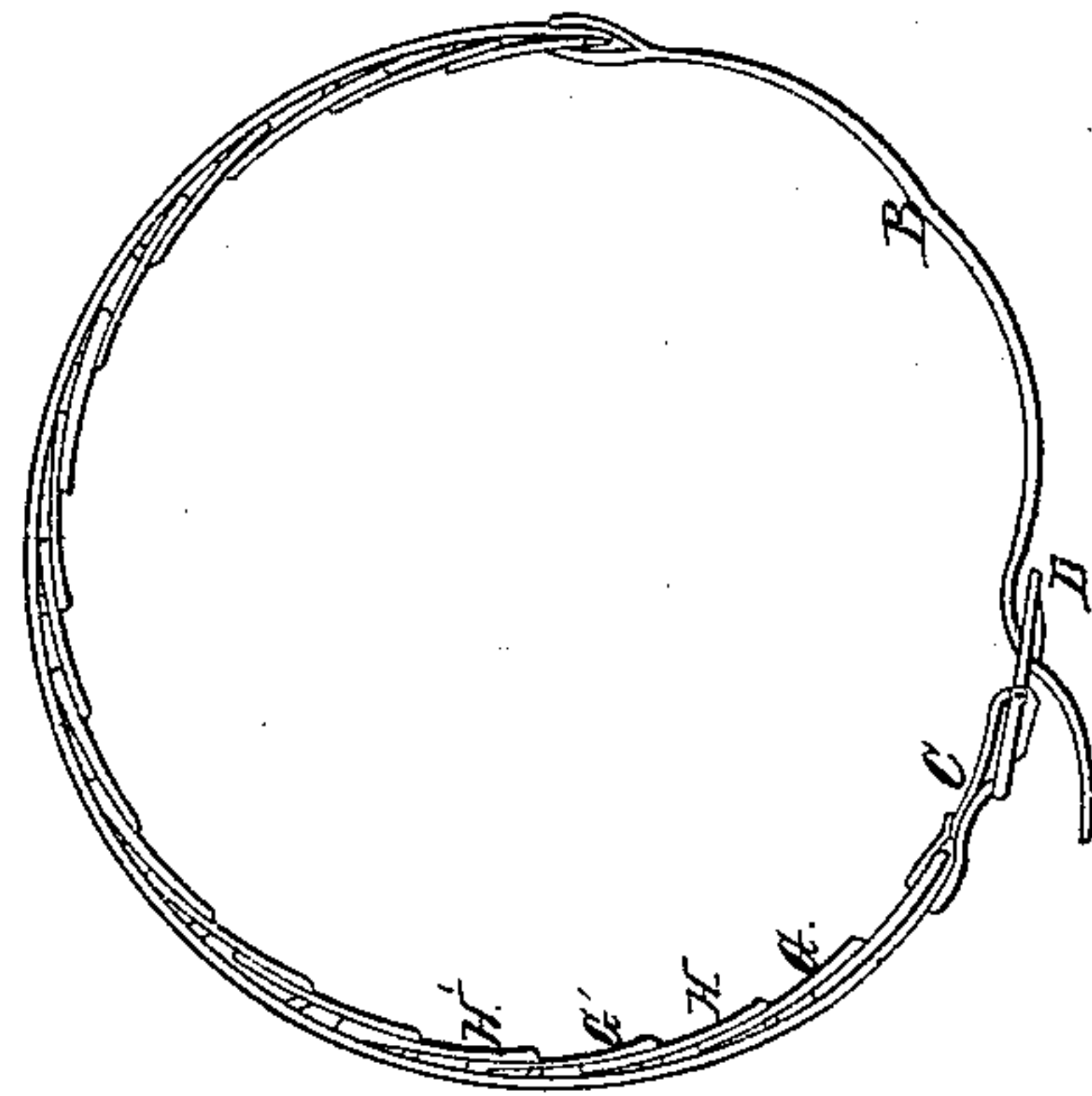
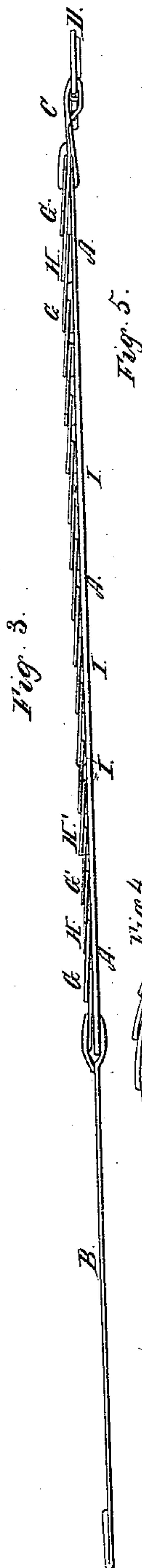
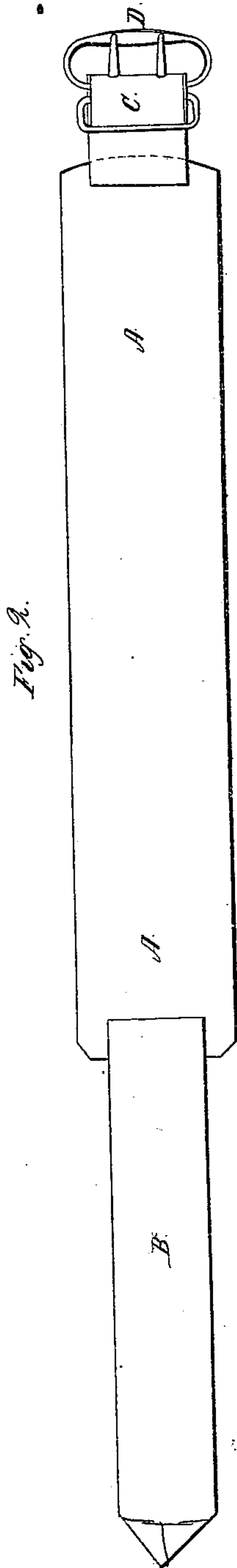
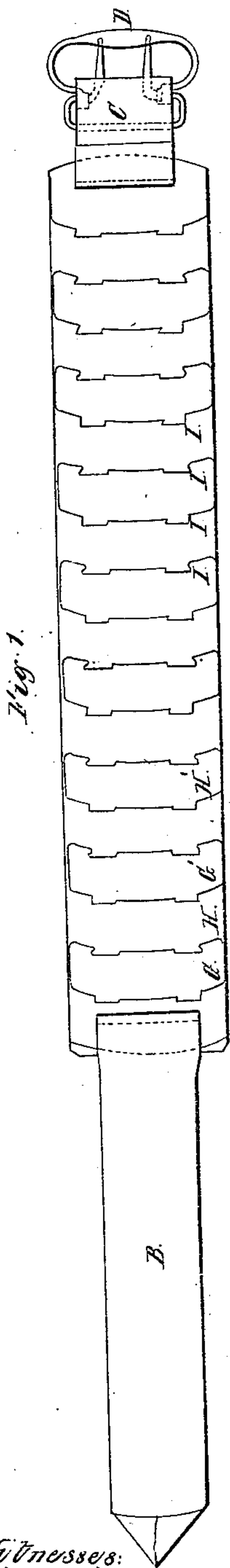


T. HALL.
VOLTAIC BRACELET.

No. 64,098.

Patented Apr. 23, 1867.



Witnesses:
John M. Balchelder
Eben J. Gray.

Inventor:
Thomas Hall

United States Patent Office.

THOMAS HALL, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 64,098, dated April 23, 1867.

IMPROVEMENT IN VOLTAIC BRACELETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, THOMAS HALL, of Boston, in the county of Suffolk, and State of Massachusetts, have invented an Improvement in "Voltaic Armor Bands and Bracelets;" and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure I, plan showing the metallic plates.

Figure II, plan of the back of the band.

Figure III, section through the middle of the plates.

Figure IV, position of plates when bent backward.

Figure V, position of the plates when applied to a limb.

My improvement relates to the mode of constructing and using alternate plates of different metals for the purpose of relieving pain or curing a certain class of nervous or other diseases, and consists mainly in the application to the limbs, and other parts of the body, of bands, bracelets, fillets, or girdles, which surround the part affected, being placed as near to the seat of the pain as possible. The plates are slightly decomposed by the moisture of the skin, and voltaic action takes place, thus inducing warmth, and applying to practical use the sedative and other influences due to electric currents.

Letters Patent of the United States were issued to me on the seventh day of February, 1865, for improvement in "Voltaic Shoe Soles." This present improvement differs from my former invention mainly in the mode of attaching the plates to each other and to the back piece, and in the use of a suitable buckle or clasp for the purpose of fastening the band or bracelet to the arm or other parts of the body. Instead of eyelets for fastening the series of plates G H, G' H', &c., I connect them to each other, as at I I', two curved lips upon each plate entering into corresponding slots or holes in the contiguous plate. The series of plates have a leather or other suitable backing, A A, provided at one end with a strap and buckle, C D, and at the other end with a tongue, B. The curved lips I I', which serve to connect the plates to each other, are also used as rivets or fastenings for holding the plates to the back piece. Incisions are made through the leather or cloth, and the curved lips are thrust through, and then clinched or flattened down upon the back piece. When the band or bracelet is placed upon the arm or other part of the body the strap B and buckle D hold it in the position shown in the Fig. V, and the series of metallic plates G H being in contact with the skin a current of electricity is generated, and continues to exert its influence so long as the band remains upon the arm. The motion of the muscles and the occasional flexure of the band keep the points of contact bright, thus insuring perfect electrical connection.

What I claim, and desire to secure by Letters Patent, is—

The series of plates of different metals attached to each other by double hooks formed upon one side of each plate, and entering corresponding slots cut at the opposite edge of each plate, the hooks being passed through the leather or cloth strap and clinched upon the side opposite to the plates, substantially as herein described.

Witnesses:

JOHN M. BATCHELDER,
EBEN T. GRAY.

THOMAS HALL. [L. S.]