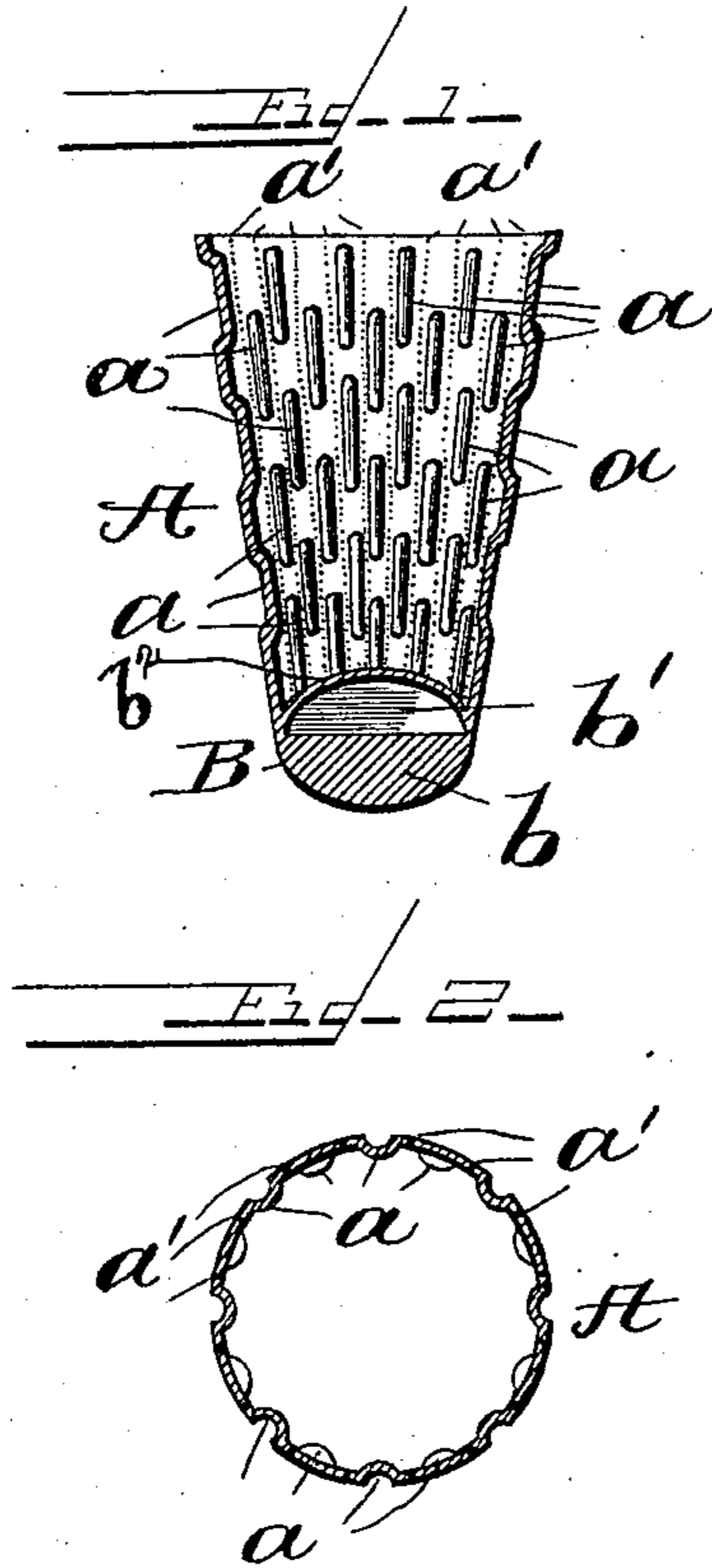


(No Model.)

C. H. ENGLISH.
FINGER PROTECTOR.

No. 518,027.

Patented Apr. 10, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES H. ENGLISH, OF WASHINGTON, DISTRICT OF COLUMBIA.

FINGER-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 518,027, dated April 10, 1894.

Application filed February 26, 1892. Serial No. 422,823. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. ENGLISH, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Finger-Protectors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to finger protectors.

The object of my invention is to so construct a guard for the end of the finger that the impact of the blow, incident to striking the keys of typewriters, &c., will not be received on the end of the finger at all; and the invention consists of a tip adapted to fit on the end of the finger, said tip being corrugated on the inside said corrugations being broken alternately with respect to each other and between said corrugations there are small perforations for the purpose of admitting air which by means of the broken corrugations is permitted to circulate very freely around the entire finger, thus allowing the blood to circulate freely and preventing numbness. The end of the tip terminates in a hollow ball shaped body having a thickened portion to receive the impact of a blow.

In the drawings Figure 1 is a longitudinal vertical section through my device. Fig. 2 is a cross section of the same.

A represents the tip which may be made of any suitable material, but I prefer that it should be made of soft rubber. The inside of the tip is provided with corrugations *a*, *a*, arranged as shown so that one of such corrugations shall overlap the space between two others. *a'* are small perforations made in the tip between said corrugations to admit air. The tip terminates in a ball shaped body having a thickened portion as represented by the letter *b* while the upper half *b'* lying within the tip is hollow.

*b*² represents the wall surrounding the hollow portion *b'*. The hollow portion *b'* and its wall are entirely within the walls of the tip.

From the foregoing it will readily be seen that when the tip is put on the end of the finger the corrugations form a space en-

tirely around the finger in which air entering through the perforations *a'* may freely circulate, still another object of these corrugations is that they prevent the finger from being compressed entirely around, inasmuch as the finger is only compressed wherever said broken corrugations touch the finger; thus it will be seen that while the tip fits the finger snugly the circulation of the blood and action of the muscles are not interfered with by reason of such corrugations and the circulation of air. The finger end rests lightly on the wall of the hollow part. The tip being on the finger the operator strikes a key; the impact of such blow is received on the thickened portion *b* of the ball and conveyed to the walls of the tip while the finger end is protected by reason of its resting on the wall of the hollow portion *b'* which, should the blow be very hard, will give to a certain degree.

It is evident that many slight changes and alterations may be made in the arrangement and construction of the tip, hence I would have it understood that I do not confine myself strictly to the construction herein shown.

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

1. A tip, to protect the finger end, provided on the inside with corrugations broken and overlapping each other alternately.

2. A tip to protect the finger end provided on the inside with corrugations broken and overlapping each other alternately and perforated between said corrugations, substantially as and for the purposes described.

3. A tip to protect the finger end terminating in a hollow ball shaped body having a thickened portion to receive the impact of a blow.

4. A tip to protect the finger end provided with corrugations, broken and overlapping each other alternately, perforations between said corrugations and a hollow ball shaped body having a thickened portion at the lower end, substantially as and for the purposes described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES H. ENGLISH.

Witnesses:

M. DORIAN,

EDWIN S. CLARKSON.