

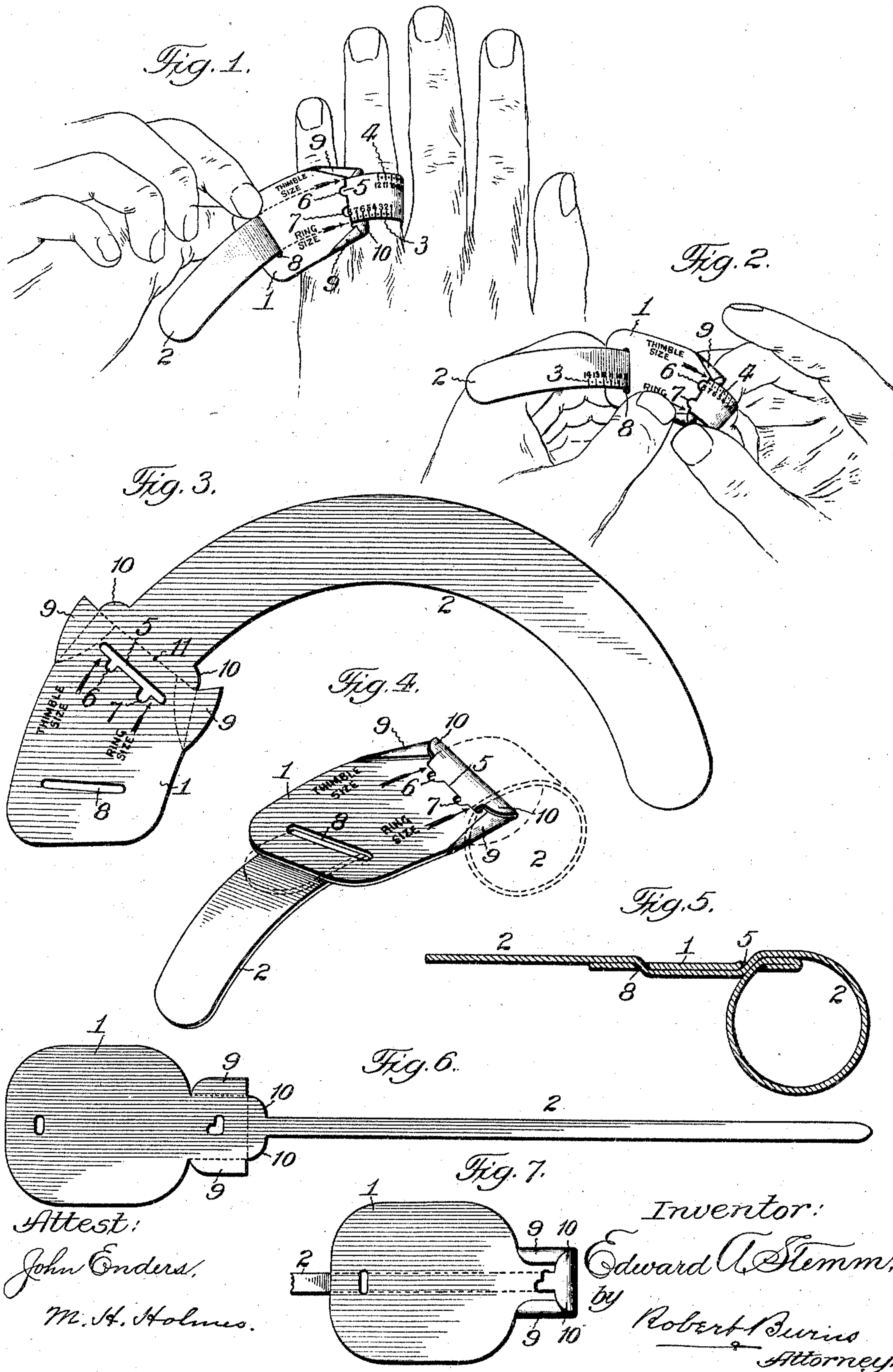
No. 766,911.

PATENTED AUG. 9, 1904.

E. A. STEMM.
FINGER MEASURE.

APPLICATION FILED JULY 13, 1903.

NO MODEL.



UNITED STATES PATENT OFFICE.

EDWARD ALMER STEMM, OF CHICAGO, ILLINOIS.

FINGER-MEASURE.

SPECIFICATION forming part of Letters Patent No. 766,911, dated August 9, 1904.

Application filed July 13, 1903. Serial No. 165,355. (No model.)

To all whom it may concern:

Be it known that I, EDWARD ALMER STEMM, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Finger-Measure, which is fully set forth in the following specification, reference being had to the accompanying drawings, forming a part thereof.

The present invention relates to finger-measures for jewelers and other like uses, and has for its object to provide a measuring appliance of a simple and economical construction adapted for ready adjustment to afford an accurate indication of the size of the finger of a person in measuring the same for either a ring or a thimble, all as will hereinafter more fully appear and be more particularly pointed out in the claims. I attain such object by the structural formation of parts illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view illustrating the application of the present invention to a ring measurement of a person's finger. Fig. 2 is a similar view illustrating the application of the same to the measurement of a person's finger for a thimble. Fig. 3 is a plan view of the blank from which the measure is formed. Fig. 4 is a perspective view of the finger-measure in a partly-folded condition in full lines and in a fully-folded condition in dotted lines. Fig. 5 is a longitudinal section of the measure fully folded ready for use. Fig. 6 is a plan of a modified form of the blank. Fig. 7 is a plan view of said modified blank folded together to constitute a ring-measure.

Similar numerals of reference indicate like parts in the several views.

As represented in the drawings, the present finger-measure comprises an enlarged index member, to one end of which is attached a graduated flexible member or strip 2, and which strip is either formed integrally with said index member or as a separate portion, which is subsequently attached to said index member in a permanent manner and as the judgment of the maker may indicate. The flexible member or strip 2 may be in the form of a straight band, as shown in Figs. 6 and 7,

for use in taking ring measurements of fingers. A segmental form of member or strip 2, as shown in Figs. 1, 2, 3, and 4, is, however, preferred as affording means for taking either ring or thimble measurements of the finger in that with the said segmental member or strip formed into a measuring-loop the said loop will have a funnel form adapting the same to the taking of either of said measurements, as clearly illustrated in Figs. 1 and 2 of the drawings.

3 and 4 are the ring and thimble graduations or scales, respectively, on the flexible member or strip 2.

5 is an index-slot formed transversely in the index member 1 for the passage of the graduated flexible member 2 in an adjustment of the same, and 6 and 7 are marginal notches in a longitudinal wall of said slot, through which the proper index-numeral of the graduations appear, as illustrated in Figs. 1 and 2.

8 is a guide-slot formed in the index member and arranged in separated and oblique relation to the index-slot 5, and slot 8 also receives the flexible graduated member 2 and is adapted, in connection with the index-slot 5, to maintain the measuring-loop formed in said strip in the proper funnel form during the varied adjustments of the same in use.

In the preferred form of the present invention a single piece blank of the shape shown in Fig. 3 is formed from a sheet of paper, celluloid, or other suitable flexible material and as so formed will comprise the index member 1, having side lips 9, which are adapted to be folded over upon said member to afford increased strength to the edges of the same, and the flexible member 2, connected to the index member and having rounded shoulders 10 at the juncture of the two members for the purpose hereinafter set forth. In the conversion of said blank into a finger-measure the same is folded upon itself along the dotted line 11, Fig. 3, and in line with the base of the aforesaid shoulders 10, and the flexible member is then fully drawn through the index-slot 5 to bring the shoulders 10 down upon the side lips 9, as shown in Fig. 4, with a view to afford increased strength to the parts at such point and enable them to better

withstand the strain to which they are exposed in continued use. The flexible member is then formed into the measuring-loop heretofore mentioned and its free end passed first 5 through the index-slot 5 and next through the guide-slot 8, leaving its free end projecting at one end of the index member 1 for convenient manipulation by hand to increase or diminish the diameter of the aforesaid loop in obtaining 10 a finger measurement.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A finger-measure, comprising an index 15 member formed with an index-slot, a guide-slot in separated relation to the index-slot, and a flexible graduated loop connected at one end to said index member with its free end inserted through said index and guide slots, the guide- 20 slot acting to maintain graduations of the loop in proper alinement with the index-slot, substantially as set forth.

2. A finger-measure, comprising an index member formed with an index-slot and guide- 25 slot in separated and oblique relation to each other, and a flexible loop provided with duplicate graduations and connected at one end to said index member, the free end of said loop passing through the slots aforesaid which im-

pose a funnel shape on such loop, substantially 30 as set forth.

3. A finger-measure, comprising an index member formed with side lips and an index- 35 slot, and a flexible graduated loop connected at one end to said index member with its free end inserted through the index-slot aforesaid, the said loop being provided with rounded shoulders at its juncture with the index-head, substantially as set forth.

4. A finger-measure, comprising an index 40 member formed with side lips and index and guide slots in separated and oblique relation to each other, and a flexible loop provided with duplicate graduations and connected at 45 one end to said index member, the said loop having rounded shoulders at its juncture with the index-head and having its free end passed through the slots aforesaid which impose a 50 funnel shape on such loop, substantially as set forth.

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

EDWARD ALMER STEMM.

Witnesses:

CHAS. ZIERVOGEL,
FRANK LYON.