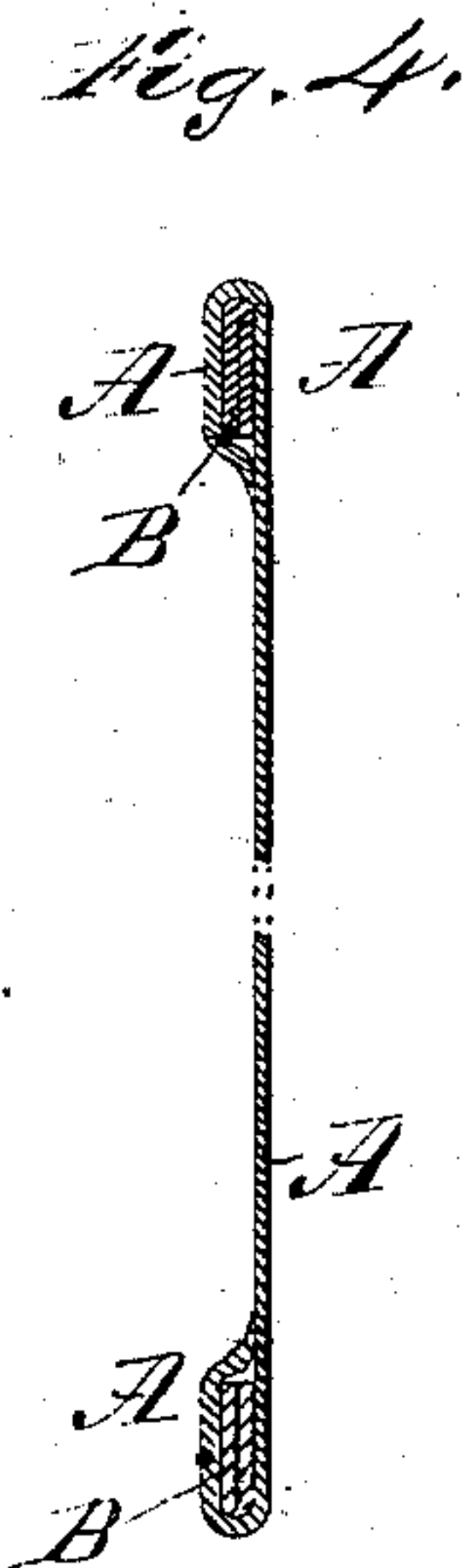
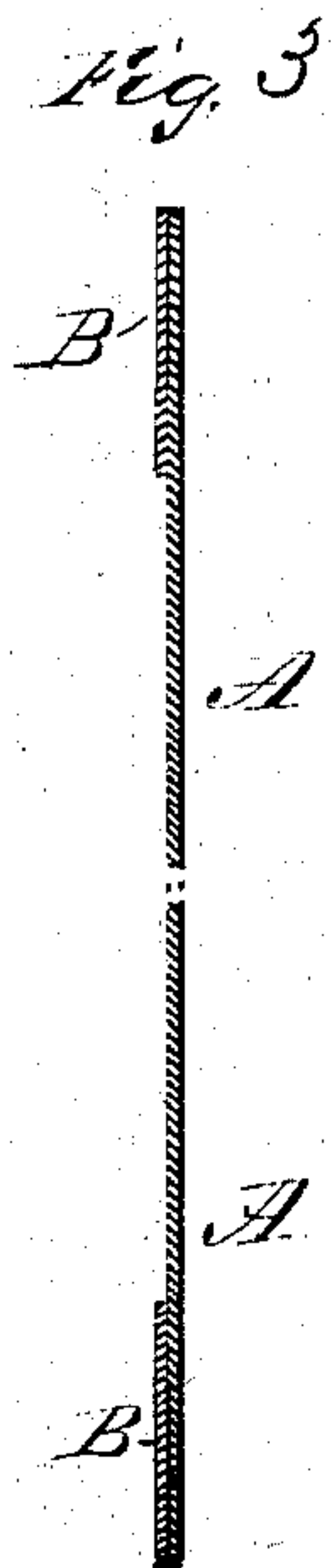
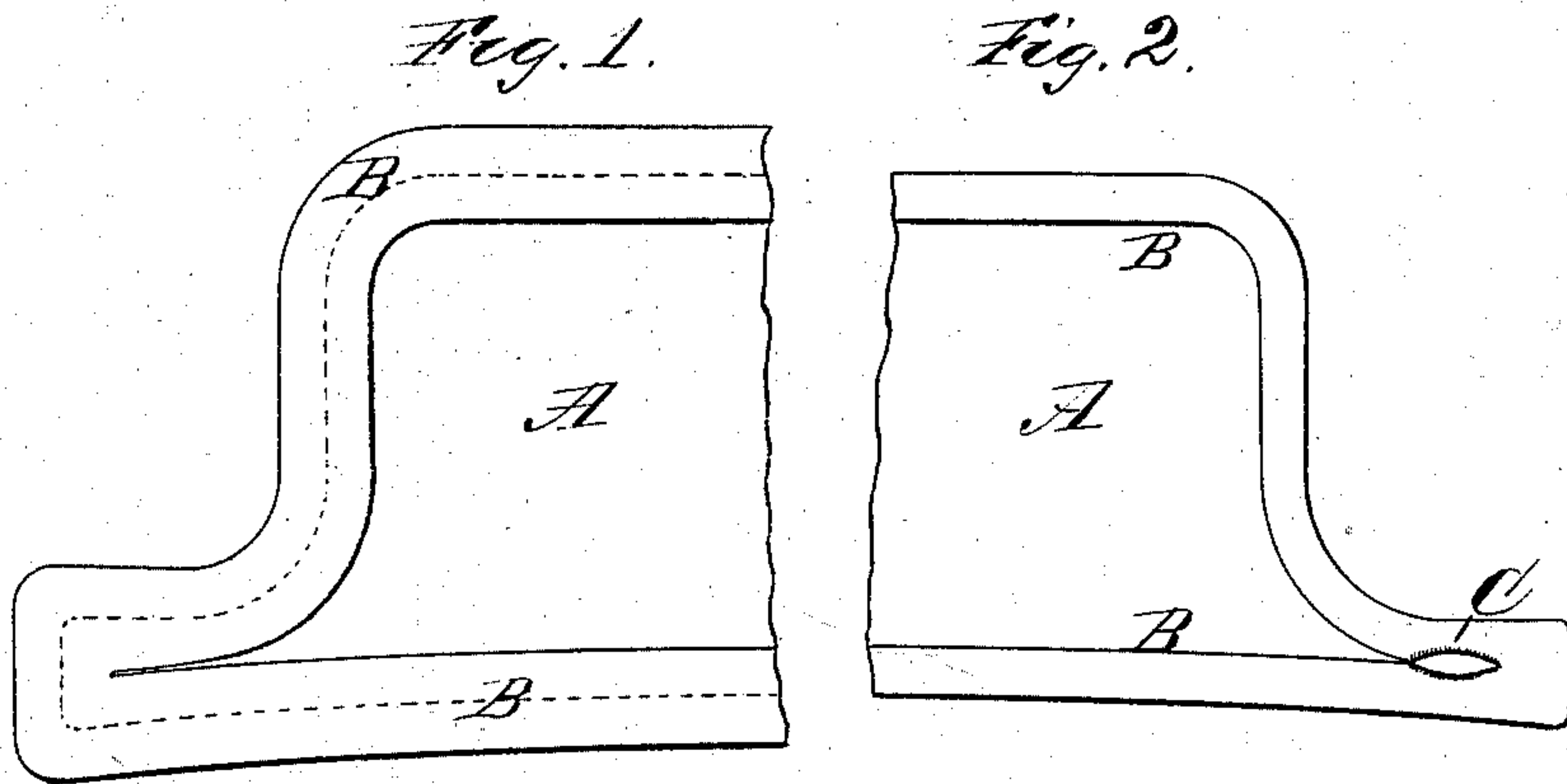


(No Model.)

C. O. KANOUSE.  
COLLAR AND CUFF.

No. 254,875.

Patented Mar. 14, 1882.



WITNESSES:

*W. L. Bennett.*  
*F. L. Curran.*

INVENTOR:

*Charles O. Kanouse*  
*per Boyd Eliot*

ATTORNEY.

# UNITED STATES PATENT OFFICE.

CHARLES O. KANOUSE, OF NEW YORK, N. Y.

## COLLAR AND CUFF.

SPECIFICATION forming part of Letters Patent No. 254,875, dated March 14, 1882.

Application filed December 16, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES O. KANOUSE, residing in the city, county, and State of New York, have invented certain Improvements in Zylonite Collars, Cuffs, &c., of which the following is a specification.

This invention pertains to the manufacture of collars and cuffs for wearing-apparel, made chiefly from a substance known as "zylonite," "celluloid," or a preparation of pyroxyline, which permits the article to be cleaned with soap and water when soiled; and the invention consists in forming the collar or cuff of a single sheet of the material cut or molded to the proper form, but as much larger than the required size as one-half, or nearly so, of the desired seam to be formed on the article, then applying a strip of linen or similar fabric of a width equal to twice the width of the seam upon one side only, and near the outer edge of the sheet, and causing it to adhere by pressure when slightly warmed, then folding over the entire edge of the article to form the seam, doubling the woven fabric upon itself, so that it is completely covered by the zylonite, and finishing the same by pressure in a slightly-heated state, as will hereinafter appear.

At A, Figure 1 of the drawings, is shown a portion of a collar formed of the required shape, and with the strip of woven fabric, B, applied upon one side only to form a lining for the seam, and represented in section at Fig. 3. At Figs. 2 and 4 the same strip, B, and the edge of the zylonite are shown as folded over to form the seam, with the woven strip doubled upon itself, as plainly seen in the section at Fig. 4, and ready to be compressed or finished by pressure to any degree of thinness desired.

Dies may be used to inclose the edge of the fold to imitate the ordinary stitching on a seam, if desired; but this forms no part of the invention.

The button-hole at C is formed between the

inner edges of the folded fabric, so that it is thereby strengthened by a double thickness of the woven goods; and its edges may be embossed by the dies at the same time the rest of the collar is finished.

It must be evident that cuffs may be formed in the same manner from the same materials.

By forming collars and cuffs in this manner only one thickness of the zylonite is required where two thicknesses are now used, thus saving greatly in the quantity of material and making the articles much lighter; but the greatest advantage is that a complete hem is formed without any raw or cut edge of either the woven or plastic substance, and a double strength is given where it is most required.

I therefore claim—

1. The method of forming collars and cuffs of a single sheet or thickness of zylonite, celluloid, or analogous material, which consists in first cutting the article to the desired shape from a single sheet, then strengthening by strips of woven fabric applied at the edges upon the sides and ends only of the plastic sheet, then folding the strips and edges of the body material to form a seam, and finally finishing the article by heated dies, as hereinbefore set forth.

2. As a new article of manufacture, a collar or cuff formed of a single sheet of zylonite, celluloid, or analogous substance, and strengthened by strips of woven fabric applied at the edges of the body material, the strips and edges being folded, cemented, and finished by heat and pressure, as set forth.

In witness whereof I have hereunto subscribed my name and affixed my seal in the presence of two subscribing witnesses.

CHARLES O. KANOUSE. [L. S.]

Witnesses:

EUGENE N. ELIOT,  
BOYD ELIOT.