

SOLOMON S. GRAY'S.

Improvement in the manufacture of collars.

PATENTED JUL 11 1871

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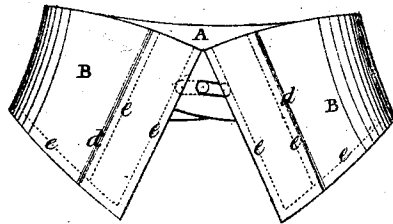


FIG. 4.

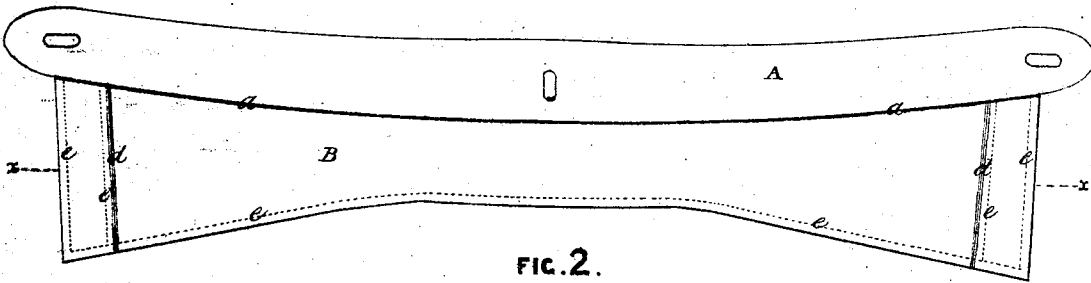


FIG. 2.

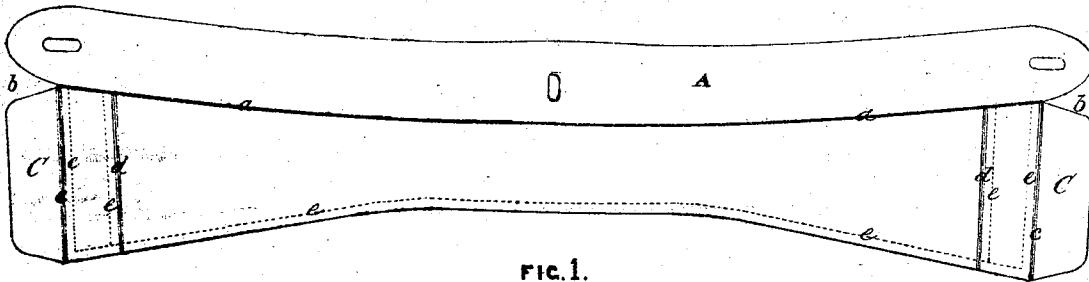


FIG. 1.

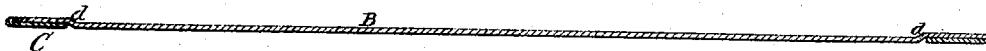


FIG. 3.

WITNESSES.

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INVENTOR.

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UNITED STATES PATENT OFFICE.

SOLOMON S. GRAY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN PAPER COLLARS.

Specification forming part of Letters Patent No. 116,948, dated July 11, 1871.

To all whom it may concern:

Be it known that I, SOLOMON S. GRAY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Collars, of which the following, taken in connection with the accompanying drawing, is a specification.

My invention consists in a collar, as a new article of manufacture, made of paper, or paper and cloth combined, having the ends of the turn-over portion thereof made double by folding one part under the other part thereof, the said doubled ends being embossed or struck up, so as not to obstruct or diminish the neck-tie space.

Figure 1 shows my improved collar before being folded at all. Fig. 2 represents the same with the end pieces folded under. Fig. 3 is a section on line *xx* on Fig. 2, and Fig. 4 represents the collar in position as seen on the neck.

A is the band or inner portion of the collar, and B the outer or turn-over portion of the same, the fold being made on the curved line *a a*. C C are extensions of the outside portions of the collar to be turned under the part B, as seen in Fig. 3, said extensions being separated from the band by the slits or notches *b b*, and are folded on the lines *c c*, shown in Fig. 1. The lines *d d*

indicate the width of the raised surface in imitation of a hem, formed by embossing a recess, into which the part C is folded, as seen in Fig. 3. Lines in imitation of stitching are shown at *e e*. The extensions C C should be made of such a length that they will be retained in position by the outside portion of the collar under which they are folded, and be cut to such a form that they will not interfere with the folding of the collar on the line *a a*, and also so that they will not show below the lower edge of the part B.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is as follows:

As a new article of manufacture, a collar made of paper, or paper and cloth combined, having the ends of the turn-over portion thereof made double by folding the part C under the part B, the said double-ends being embossed or struck up, as at *d*, so as not to obstruct the neck-tie space, substantially as described.

Executed at Boston this 18th day of April, 1871.

SOLOMON S. GRAY.

Witnesses:

N. C. LOMBARD,
AMBROSE LOVIS.