

P. D. AUB.

Manufacture of Shirt-Collars, Cuffs, &c.

No. 147,588.

Patented Feb. 17, 1874.

Fig: 1.

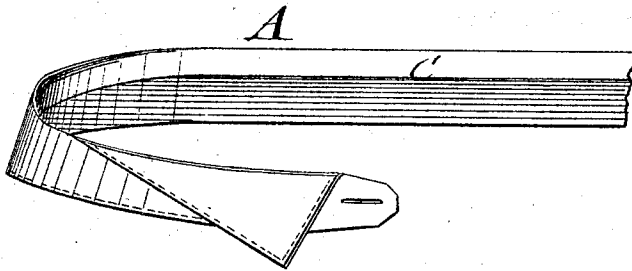


Fig: 2.

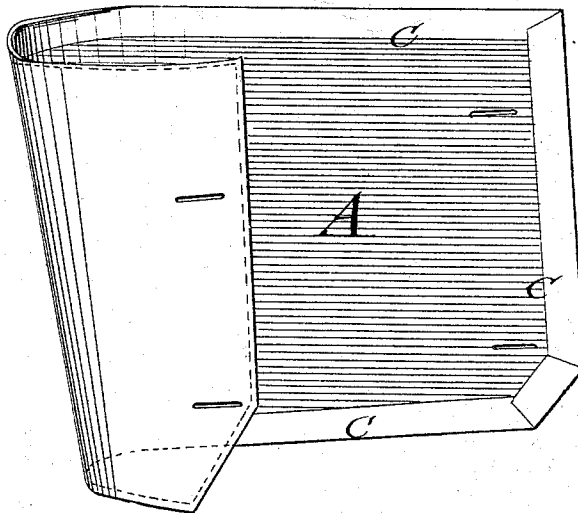
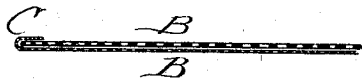


Fig: 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PHILLIP D. AUB, OF NEW YORK, N. Y., ASSIGNOR TO CHARLES J. WILLIS, OF ELIZABETH, N. J., AND LOUIS AARONS AND MIRIAM L. AUB, OF NEW YORK CITY.

IMPROVEMENT IN THE MANUFACTURE OF SHIRT-COLLARS, CUFFS, &c.

Specification forming part of Letters Patent No. 147,588, dated February 17, 1874; application filed January 31, 1874.

To all whom it may concern:

Be it known that I, PHILLIP D. AUB, of the city, county, and State of New York, have invented a new and useful Improvement in the Manufacture of Collars and Cuffs, &c., of which the following is a specification:

In the accompanying drawing, Figures 1 and 2 represent, respectively, perspective views of my improved collar and cuff; and Fig. 3, a vertical transverse section through either one to show connection of the layers of muslin.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish for general use collars, cuffs, shirt-fronts, and other articles, which may be furnished not only at the same or even less price than the paper goods in use, but which are also, on account of the material used, neater and stronger, and hold out a greater length of time, especially in the summer season. My invention consists in manufacturing collars, cuffs, shirt-fronts, and other articles of two or more layers of muslin, which are intimately connected and stiffened by starch mixed with spermaceti and indigo-blue, called "bluing," and finished at the outside by a covering of starch, in imitation of the linen articles. The wearing edges are folded over to prevent the unraveling of the same, and increase the neater appearance of the articles.

A in the drawing represents a collar, cuff, shirt-front, or similar article usually manufactured of paper or linen for the general use of the public. These articles are made of two or more layers, B, of muslin of equal or various degrees of fineness, the inner surface permitting the use of coarser muslin, while the outer surface requires a finer quality. The layers B are smoothly and evenly affixed to each by means of starch mixed with sperma-

ceti and bluing, and passed through rollers under suitable pressure to secure the intimate connection of the sheets. The outer layer B is then prepared with starch and a suitable amount of bluing, which is pressed in such a manner into the muslin that the appearance of linen is obtained, the various articles being then cut out with or without a lap, C, of sufficient width at the exposed and wearing edges, that they may be folded over and produce fully the same effect as linen articles.

The greater strength and consistency of such collars or cuffs enables them to withstand to a greater degree the strain to which they are exposed. The wearing out and roughening of the edges of paper collars—so annoying and disagreeable in hot weather—is thereby fully avoided, as the muslin articles retain their shape in the same manner as linen goods.

The cheapness of the muslin, together with the simple process of their manufacture, admits of producing the muslin articles at the same or less cost than those of paper, while they recommend themselves on account of the superior merits to the general favor and use of the public.

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

As a new manufacture, a shirt-collar, cuff, or similar article of wearing apparel, consisting of two or more layers of muslin cemented together by a mixture of starch, spermaceti, and washing-indigo, known as "bluing," and otherwise prepared and finished, substantially in the manner described, for the purpose specified.

PHILLIP D. AUB.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.