F. C. GOODWIN.

Shirt-Bosoms.

No. 166,092. Patented July 27, 1875.

Fig. 1.

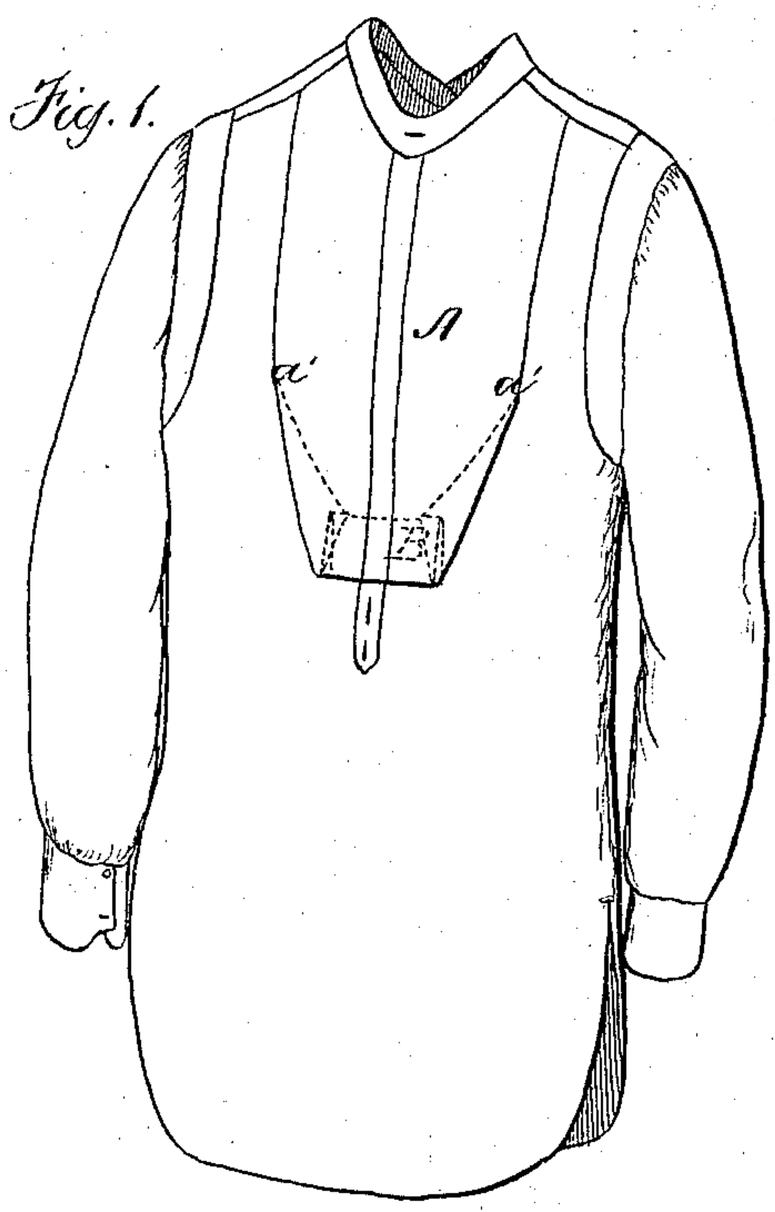


Fig. 2.

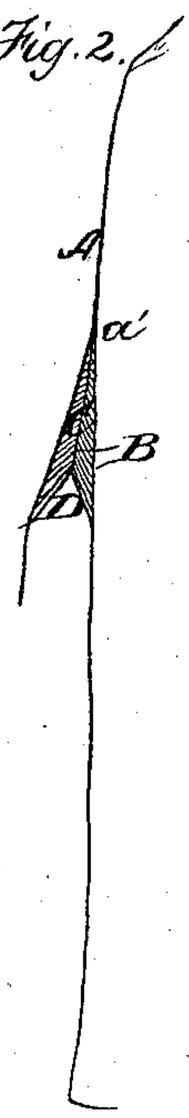


Fig. 3.

Fig. 5.

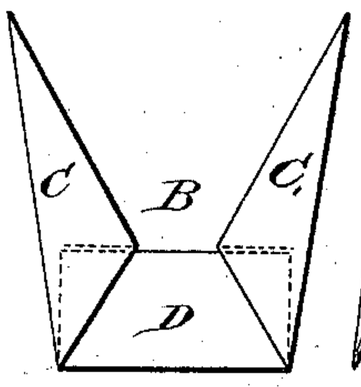


Fig. 6.

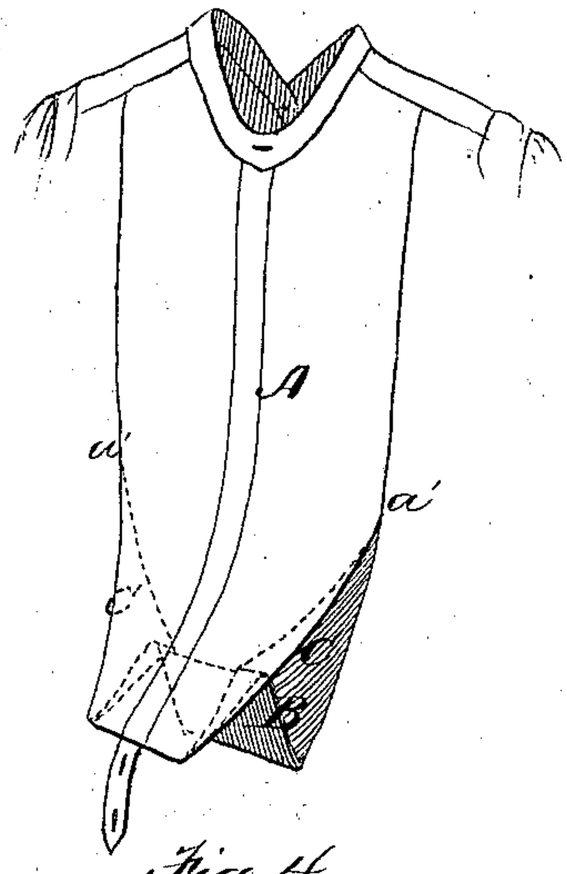
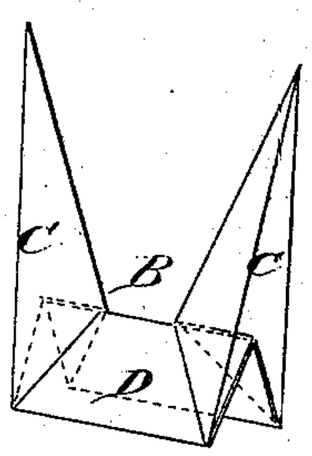
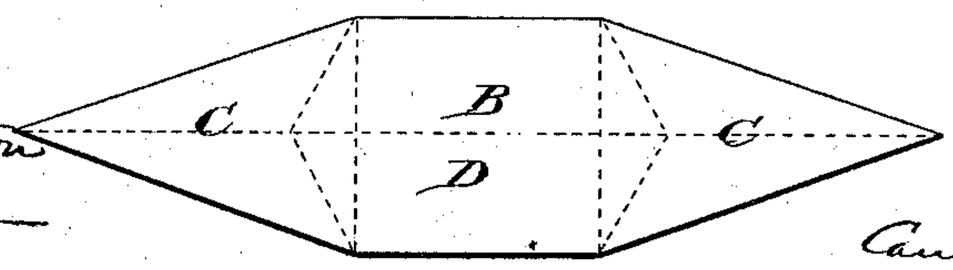


Fig. 4.

Fig. 7.





Witnesses.
Sam.l M. Barton
W. F. Apthelm

Inventor
F. C. Goodwin.
by his Attys.
Carll D. Wright & Brown.

UNITED STATES PATENT OFFICE.

FRANK C. GOODWIN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SHIRT-BOSOMS.

Specification forming part of Letters Patent No. **166,092**, dated July 27, 1875; application filed December 30, 1874.

To all whom it may concern:

Be it known that I, FRANK C. GOODWIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Shirt-Bosoms, of which the following is a specification:

Figure 1 is a perspective view of my improved shirt-bosom. Fig. 2 is a sectional view of the same. Fig. 3 is a perspective view, showing the lower end of the bosom bent outward. Fig. 4 is a view of the gore before folding; and Figs. 5, 6, and 7 are views of the folded bellows-like gore.

My invention has for its object to provide a shirt-bosom which shall not be liable to become wrinkled and broken by the bending or other movements of the body. To this end my invention consists in connecting the lower end of the bosom to the shirt by a flexible bellows-like gore, so as to allow the shirt to move up and down independently of the lower end of the bosom; and also to allow the lower end of the bosom to swing in and out independently of the shirt, thereby preventing the breaking or coupling of the shirt-bosom usually produced by the movements of the body, the bellows-like gore allowing the bosom to remain smooth when the body is bent forward, all of which I will now proceed to describe.

In the drawings, A represents the bosom, which is preferably made solid or in one piece of linen, suitably backed. The bosom is sewed to the body of the shirt, from its upper end about half way or more to the lower end, the point where the direct connection of the bosom to the shirt-body ceases being indicated by the letter *a'*. From this point to the lower end of the bosom a gore, B, folded into a bellows-like shape, is introduced under the bosom, the latter being sewed to the gore, which, in turn, is sewed to the shirt, and forms a flexible connection between the shirt and the lower end of the bosom. The gore is preferably composed of a piece of cloth, having pointed ends, as shown in Fig. 4. Said piece is folded, as indicated by dotted lines, into the peculiar shape shown in Figs. 5, 6, and 7, two pointed bellows-like tongues or side pieces, C, being formed, and a bellows-like bottom, D. To the inner edges of the sides C and bottom D the shirt is sewed, and to their outer edges the bosom is sewed, as shown in Fig. 3.

By this means the bosom is prevented from breaking or wrinkling when the body of the wearer is bent forward, the flexible connection formed by the gore B enabling the shirt to rise and fall or bend without affecting the lower end of the bosom.

This device is extremely simple and inexpensive, and has been found by practical use to preserve the bosom in a smooth condition as long as could be desired.

The gore can be applied to any kind of shirt-bosom, whether solid or open; and I propose to furnish gores of the form shown to shirt manufacturers in quantities and ready for application.

Having thus described my invention, what I claim, and desire to have secured to me by Letters Patent, is—

1. A shirt-bosom connected at its lower end to the shirt by a flexible or bellows-like gore, substantially as described, and for the purpose specified.

2. In combination with a shirt and shirt-bosom the gore B, having the folded sides C and bottom D, formed substantially as described, and for the purpose set forth.

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

FRANK C. GOODWIN.

Witnesses:

C. F. BROWN,

SAML. M. BARTON.