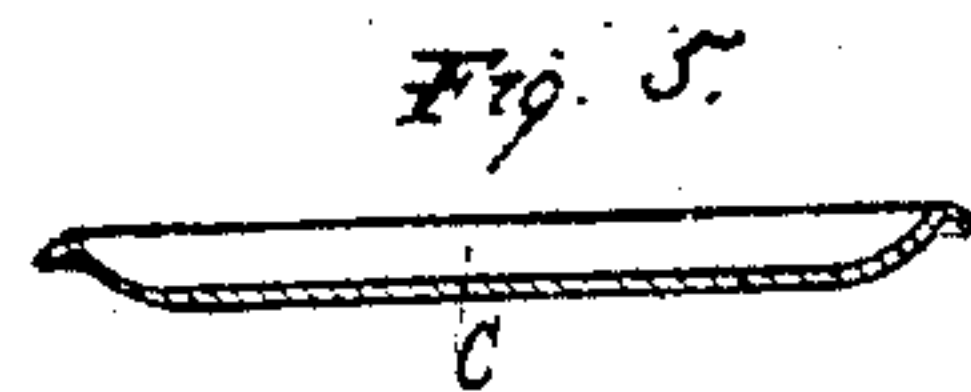
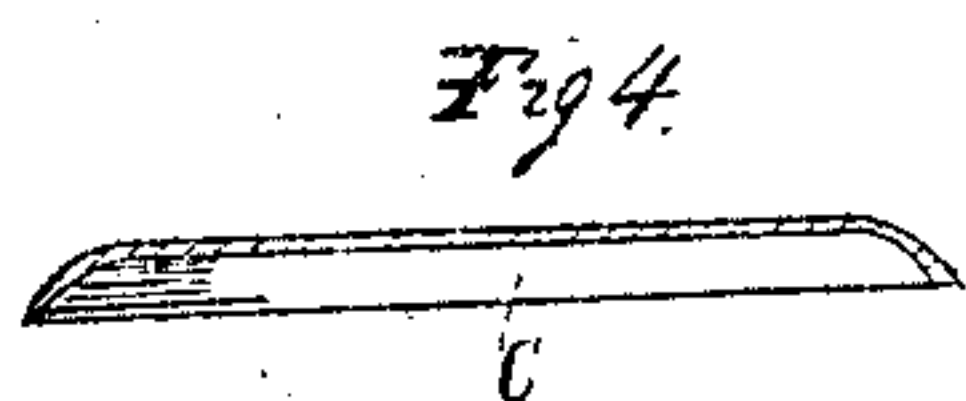
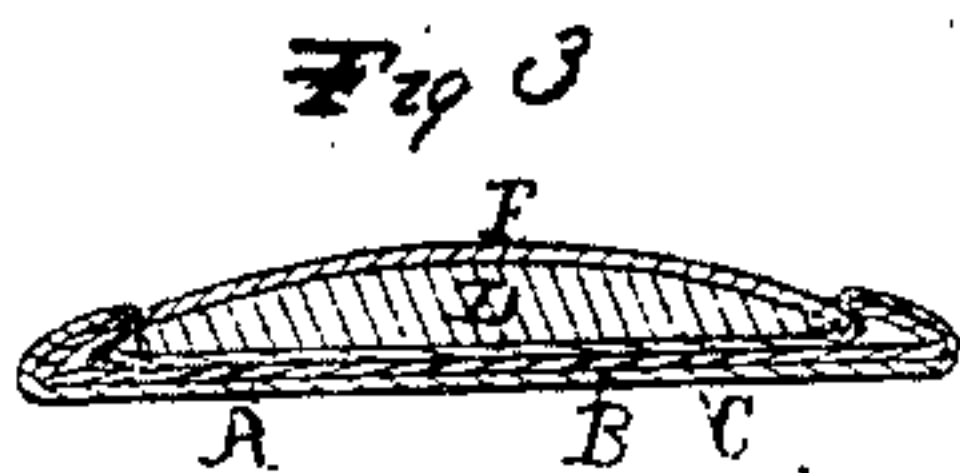
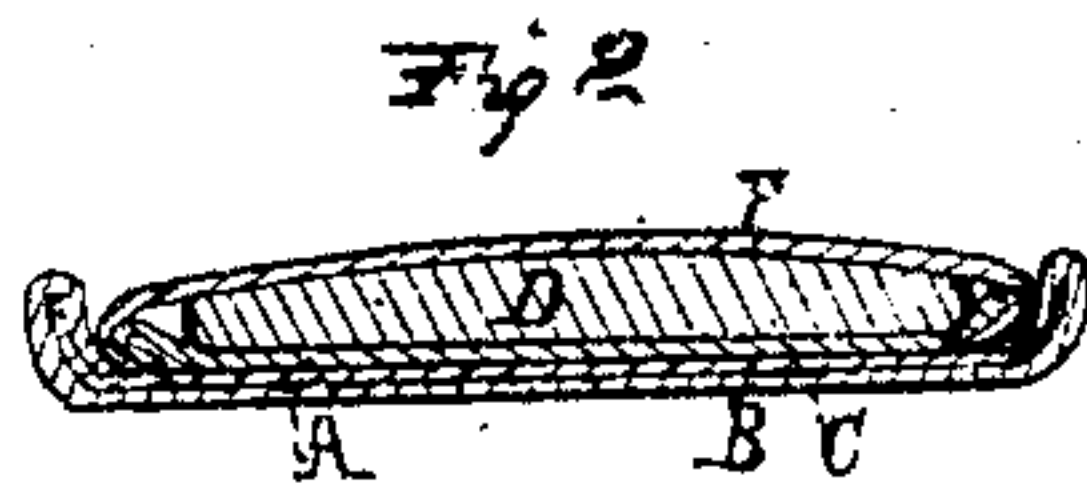
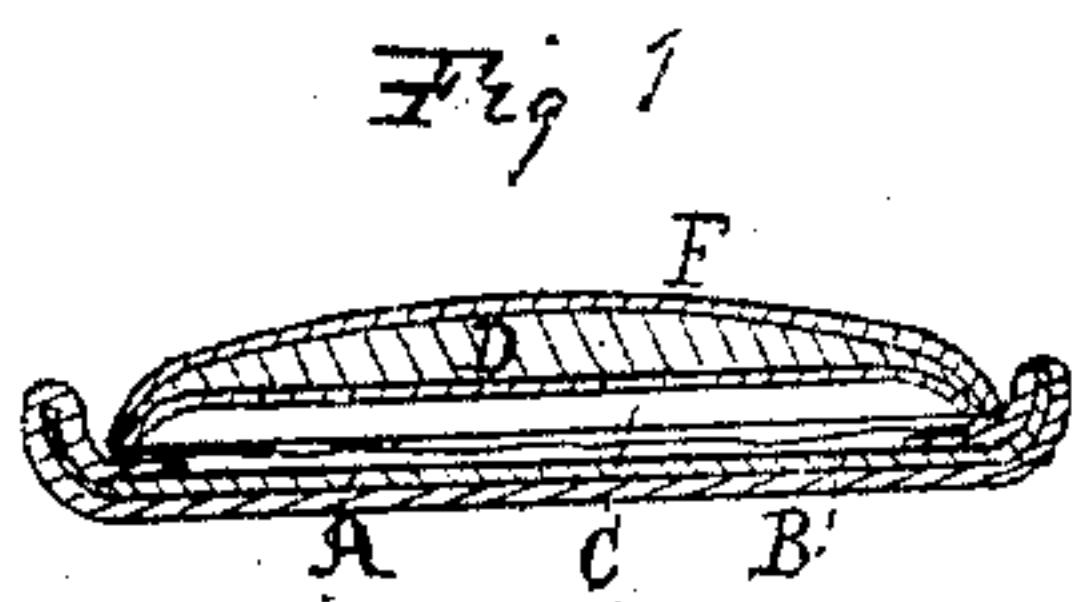


N. C. Newell.
Button.

No. 57555

Patented Aug. 28. 1866.



N. C. Newell
by his attorney
J. H. Gardner

Witness
Edmund H. Hyde
J. H. Newell

UNITED STATES PATENT OFFICE.

NELSON C. NEWELL, OF SPRINGFIELD, MASSACHUSETTS.

IMPROVEMENT IN COVERED BUTTONS.

Specification forming part of Letters Patent No. 57,555, dated August 28, 1866.

To all whom it may concern:

Be it known that I, NELSON C. NEWELL, of Springfield, Hampden county, Commonwealth of Massachusetts, have invented a new and useful Improvement in Buttons; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the drawings, Figures 1 and 2 are cross-sections of the button in the process of manufacture. Fig. 3 is a cross-section of the button finished. Figs. 4 and 5 are detail views of the disk.

This invention consists in inserting in the interior of buttons, (covered with cloth, and known as "silk-back-lasting buttons,") in place of the ordinary disk, which is flat, a disk of such form that when the button is pressed together in the process of manufacture this disk shall expand diametrically, as I will more fully describe.

In construction, this button consists, first, of a sheet-iron disk, A, covered with a thin sheet of paper and a piece of cloth, B. Above this is arranged the disk of tin, C, in the construction of which this invention consists, and the paper filling D. Around this paper filling is placed a canvas lining and the exterior covering, F.

In the manufacture of this button it is first formed in two parts, the first consisting of the pieces A and B, with the paper lining, and the second of the pieces C and D, with the canvas lining and exterior covering, F. These two parts are then united, as shown in Fig. 3, the lower cloth, B, and paper passing around the disk A, and fastened by the clinching of the rim of the disk upon them at their outside edges. The upper cloth, F, is turned, with the canvas lining, over the paper filling D and disk C, so that when the two parts are put together and the rim of the disk A pressed down, the whole is fastened.

In ordinary buttons formed in the manner above described a flat disk is used at C, and the lower disk, A, is clinched over it, to hold the parts together. This necessitates a wide rim to the disk A, in order to bring it, when pressed or clinched, over the disk C. This requires longer cloth at B, in order that it may reach over the rim of the disk A, and often the rim of the disk A is not turned down sufficiently to fasten the upper part in strongly, and consequently the button pulls apart after being worn a short time.

I make the disk C in the form shown in Figs. 4 and 5, so that when placed in the button, as shown in Figs. 1 and 2, and pressure applied, the disk C is expanded out in the rim of the disk A, thus securely fastening all the parts together. In this manner of fastening a narrow rim on the disk A is all sufficient to hold the parts together, and, consequently, a smaller covering, B, is used.

By forming the disk C as shown in Figs. 2 and 5 an advantage is gained over the variety shown in Figs. 1 and 4, in the fact that, as the button is thinner, a smaller covering, F, and canvas is sufficient. By this means I obtain a much stronger button, for, the disk C being forced out under the rim of the disk A, the parts are firmly fastened together, so that they cannot be pulled apart, and also the saving of stock, although small in a single one, from the great number of these buttons that are made, becomes of great importance in the aggregate.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The disk C, formed in such a manner that when inserted in the button it may be expanded laterally, substantially in the manner and for the purpose herein described.

NELSON C. NEWELL.

Witnesses:

J. B. GARDINER,
EDWARD H. HYDE.