Feb. 27, 1923. 1,446,801

E. KUCKELSBERG ET AL

CLOTH BUTTON

Filed Sept. 19, 1922

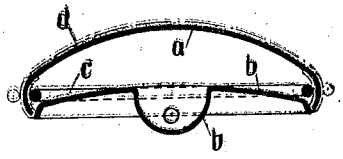


Fig.1

Fig.2

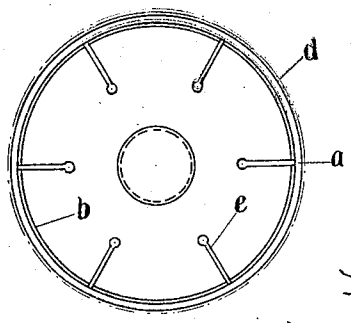


Fig.5

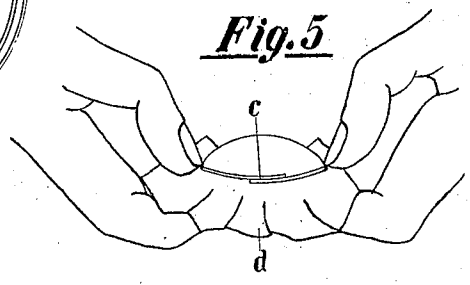


Fig.3

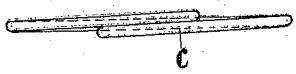


Fig.6

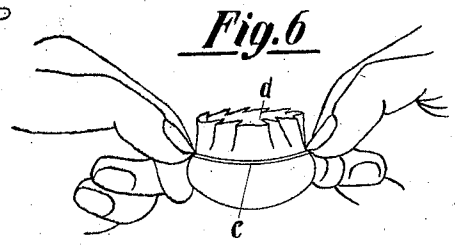
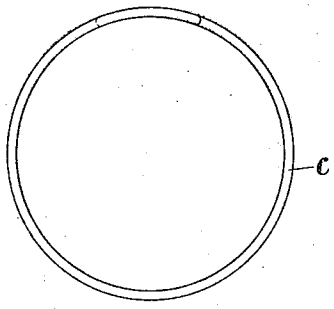


Fig.4



Inventors:
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UNITED STATES PATENT OFFICE.

ERNST KUCKELSBERG, OF ELBERFELD, AND PAUL KUCKELSBERG, OF BARMEN, GERMANY, ASSIGNORS TO NAAMLOOZE VENNOOTSCHAP VEREENIGDE KNOOPEN-EN BANDFABRIEKEN, OF NYKERK, NETHERLANDS.

CLOTH BUTTON.

Application filed September 19, 1922. Serial No. 589,179.

To all whom it may concern:

Be it known that we, ERNST KUCKELSBERG and PAUL KUCKELSBERG, citizens of the German Republic, residing, respectively, at Elberfeld and Barmen, Germany, have invented certain Improvements in Cloth Buttons (for which we have filed an application in Germany on April 26th, 1921), of which the following is a specification.

Buttons composed of a domed support to which a cloth cover is attached are sometimes fitted with a spring ring which is pushed together with the cloth over the support and which is retained thereon as a fastening for the cloth and as a complementary part of the button. In other cases the cloth is fixed by means of a closing plate which is clamped together with the cloth to the support.

The present invention relates to a button of the latter kind and consists essentially in the employment of a spring ring with overlapping ends which is adapted to be slid over the support for stretching the cloth evenly over the latter, and then to be pressed together with the edge of the cloth into the support from the back so as to retain the cloth in its proper position while the closing plate is attached, the ring being adapted to exert pressure on the cloth from the outside of the support while applied and from the inside of the same when in its final position.

As the ring is completely concealed together with the ends of the cloth within the finished button, it can be made of ordinary steel wire which enables the cloth to be conveniently and faultlessly applied to the support by the mere use of the hands without tools.

To provide for different thicknesses of cloth, the closing plate is moreover slit radially so that it can give and allow of being pressed into position by hand even when the cloth happens to be of considerable thickness.

Fig. 1 of the drawings represents a vertical section of the button,

Fig. 2, a bottom view of the same,

Fig. 3, a side view of the spring,

Fig. 4, a plan of the latter, and

Figs. 5 and 6, views showing different stages in the making of the button.

The button, as supplied to the user, is composed of three parts, a domed hollow support *a*, a closing plate *b*, and a spring ring *c*, the latter being preferably made out of fine, strong steel wire. The ends of the spring are loose and overlap, as shown in Fig. 3.

To complete the button when required, a piece of cloth *d* is laid over the support *a*, and the ring *c* is passed over the covered support by means of the thumb nails, as shown in Fig. 5, so as to stretch the cloth evenly over the support. Then the button is turned over, as shown in Fig. 6, and the ring is pushed together with the edges of the cloth into the hollow of the support. The cloth will then be held in position by the ring while the closing plate *b*, which forms the permanent fastening for the cloth, is pressed into position.

The ring is preferably of the same diameter as the support so that it can exert pressure on the cloth from the inside of the support as well as from the outside. It is made long enough for the ends to overlap even when passing over the widest part of the support, as shown in Fig. 5, so that the cloth in uniformly stretched.

To enable the closing plate *b* to be used with equal convenience and effect for thick as well as for thin cloth, it is preferably formed with radial slits *e* so that it can give. The edge of the plate may for the same purpose be formed with a resilient bead of U-shaped cross-section.

We claim:—

1. A cloth button comprising a domed hollow support, a spring ring with overlapping ends adapted, first to be pushed over the cloth-covered support for stretching the cloth evenly over the latter and then to be pressed together with the edge of the cloth into the interior of the support, and a closing plate adapted to be pushed behind the ring into the support for fixing the cloth in position, substantially as set forth.

2. A cloth button comprising a doomed hollow support, a spring ring with overlap-

ping ends adapted, first to be pushed over the cloth-covered support for stretching the cloth evenly on the latter and then to be pressed together with the edge of the cloth into the interior of the support, the ring being adapted to exert pressure on the cloth from the outside of the support while applied and from the inside when in its final position, and a closing plate adapted to be pushed behind the ring into the support for fixing the cloth in position, the closing plate being formed with radial slits so that it can accommodate itself to different thicknesses of the cloth, substantially as set forth.

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