

(No Model.)

R. LIEBMANN.  
BUTTON.

No. 380,581.

Patented Apr. 3, 1888.

Fig. 1.

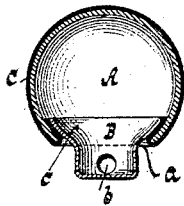


Fig. 2.

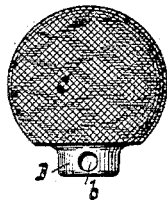


Fig. 3.

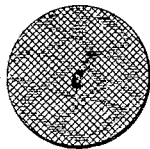


Fig. 6.



Fig. 4.



Fig. 7.



Fig. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

RUDOLPH LIEBMANN, OF NEW YORK, N. Y., ASSIGNOR TO THE CITY BUTTON WORKS, OF SAME PLACE.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 380,581, dated April 3, 1888.

Application filed February 2, 1888. Serial No. 262,731. (No model.)

*To all whom it may concern:*

Be it known that I, RUDOLPH LIEBMANN, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Buttons, of which the following is a specification.

My invention relates to improvements in buttons, and especially to such as are known as "ball-buttons."

It consists, essentially, in a ball-button composed of a metallic shell made from one piece of sheet metal and open at its bottom, a metallic back extending into the opening in the shell, and a cloth enveloping the shell and wedged between the same and the back, all of which is more fully pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 represents a central section of a ball-button embodying my invention. Fig. 2 is a face view of the same. Fig. 3 is a face view of a cloth, drawn to a smaller scale than the preceding figures. Fig. 4 is a central section of the shell before it is attached to the back, said figure being drawn to the same scale as Fig. 3. Fig. 5 is a similar view of the back. Fig. 6 is a side view of the back. Fig. 7 is a side view of the shell.

Similar letters indicate corresponding parts.

In the drawings, referring at present to Figs. 1 and 2, the letter A designates a metallic shell, which is made globular in form and has an opening, *a*, at its bottom.

B is the metallic back, which is struck up with a shank containing a transverse eye, *b*, for attaching the button to the garment and a flaring or cup-shaped rim, *c*, which enters the opening *a* and fits the interior of the portion of the shell surrounding said opening.

C is the cloth, which is caused to tightly envelop the shell and is firmly wedged between the same and the flaring rim *c* of the back B.

In the manufacture of these buttons the backs are stamped up in the form shown in Figs. 5 and 6, the shells are struck up in the form shown in Figs. 4 and 7, and circular pieces of cloth are cut, as shown in Fig. 3.

It will be noticed that the lower portion of the shell is left cylindrical. The cloth C is laid over the shell, and by the use of a suitable punch and die the shell, back, and cloth are united, as shown in Fig. 1, the lower portion of the shell being crimped or contracted to close about the flaring rim *c* of the back. The periphery of the cloth is pushed between the shell and back before they are united, and consequently it is drawn tightly about the shell, and is firmly wedged between the shell and back.

By my improvements the buttons can be made entirely by machine, and consequently less time, labor, and expense are involved in their manufacture. The buttons manufactured in accordance with my invention present the same appearance as a "hand-made" button.

Any suitable filling (not shown) may be placed within the shell A, and a suitable lining can be placed between the shell and the cloth.

What I claim as new, and desire to secure by Letters Patent, is—

1. A ball-button consisting of the globular shell A, formed of a single piece of metal, a cloth, C, covering the same and partly lying inside the shell, and a circular metal back-plate, B, having an eye, *b*, lying within the shell and holding the edge of the cloth, substantially as described.

2. A ball-button consisting of the globular shell A, formed from one piece of sheet metal and open at its bottom, a metallic back, B, containing an eye, *b*, and a flaring rim, *c*, extending into the interior of the shell, and a cloth, C, tightly enveloping the shell and having its peripheral portion wedged between the shell and the flaring rim of the back, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

RUDOLPH LIEBMANN. [L. s.]

Witnesses:

A. FABER DU FAUR, Jr.,  
W. C. HAUFF.