

(No Model.)

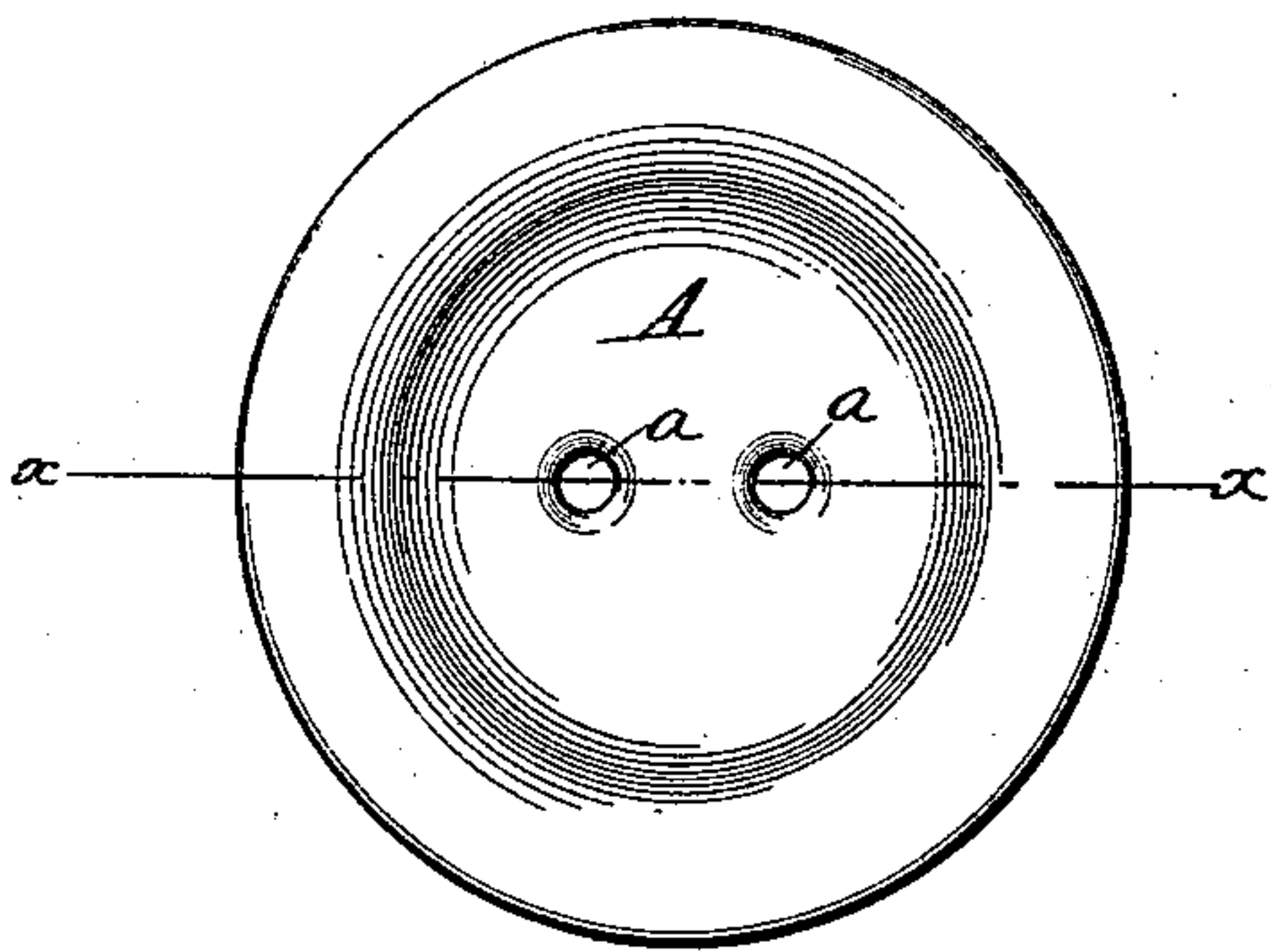
C. V. GODDARD.

BUTTON.

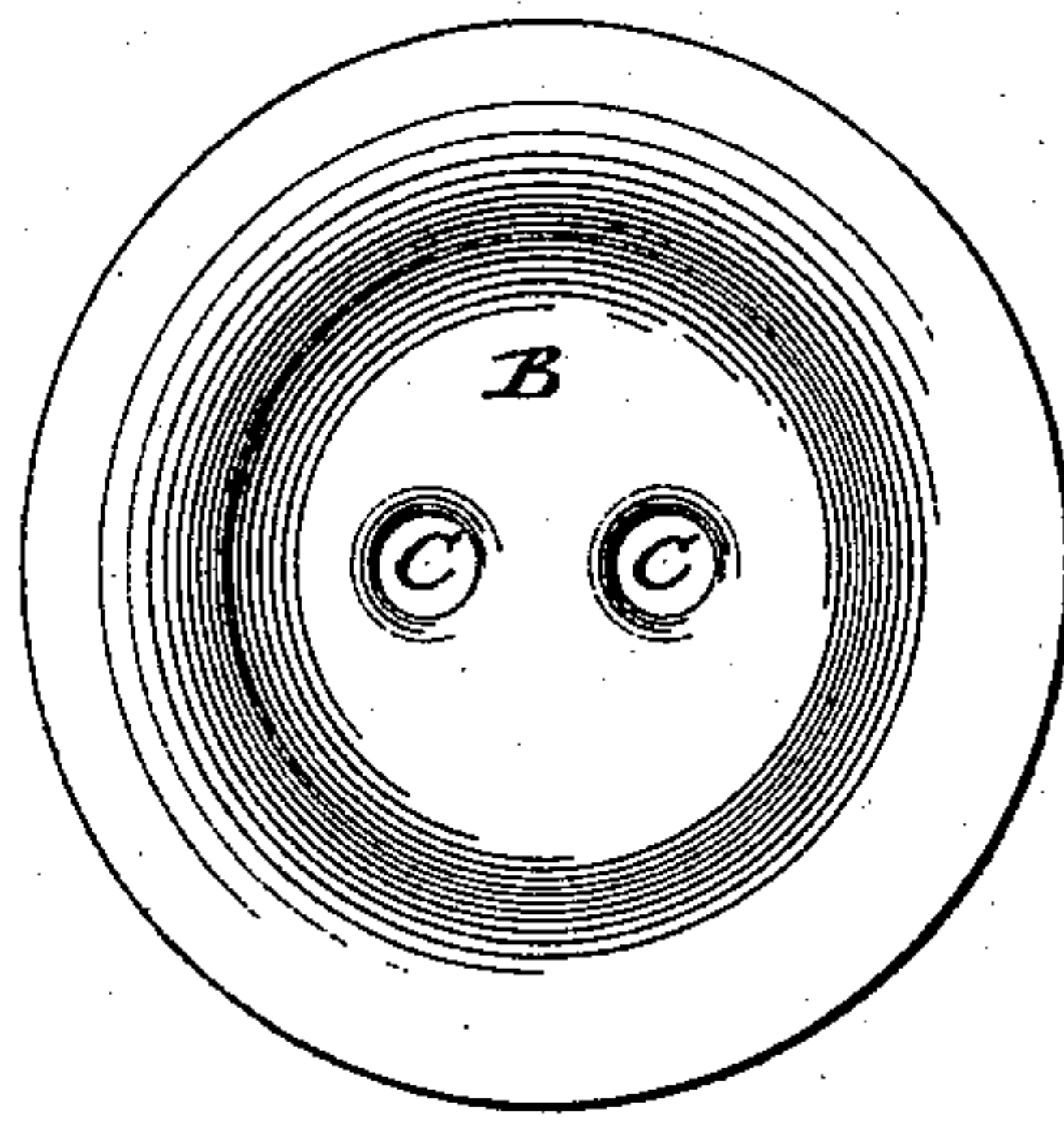
No. 326,211.

Patented Sept. 15, 1885.

*Fig. 1*

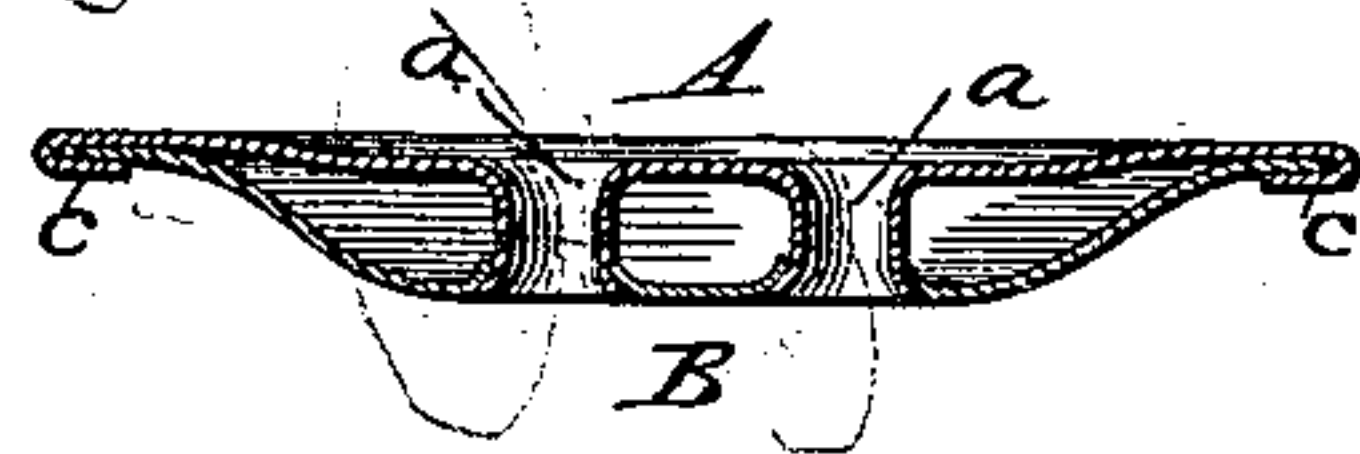


*Fig. 2*

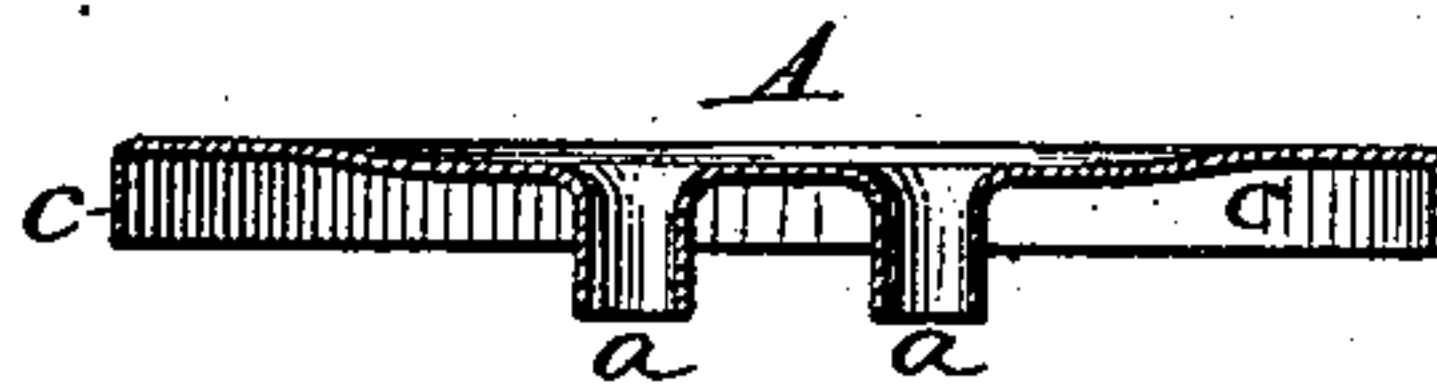


*Fig. 3.*

on line x-x



*Fig. 4*



*Fig. 5.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

CHARLES V. GODDARD, OF BROOKLYN, NEW YORK.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 326,211, dated September 15, 1885.

Application filed January 17, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES V. GODDARD, of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Buttons, of which the following is a specification.

This invention relates to that class of metallic buttons composed of front and back plates which are perforated for the passage of thread through the same from front to rear.

It is the aim of the invention to dispense with the intermediate bars which are commonly used to receive the thread, and at the same time provide thread-receiving surfaces which shall be smooth and unbroken, to the end that the thread may not be chafed or broken thereby.

With this end in view the invention consists in providing one of the plates with tubular necks integral therewith, and extending said necks through perforations in the other plate, and spreading or burring the ends outward, as hereinafter described, whereby buttons are produced with smooth rounded surfaces.

Referring to the drawings, Figure 1 represents a face view of my button; Fig. 2, a back view of the same; Fig. 3, a central cross-section on the line *xx*. Figs. 4 and 5 are sectional views of the front and back plates, respectively, as they appear before being united.

In proceeding to construct my button, I provide a front plate, A, and back plate, B, of sheet metal and of circular or other desired outline, the front plate being formed, as usual, with a peripheral flange or lip, *c*, which is finally folded over the periphery of the back plate for the purpose of uniting the two in the ordinary manner.

The front plate is provided at or near the center with two or more tubular necks, *a*, extending in a backward direction and formed by "drawing up" the metal.

The back plate, B, is provided with corresponding perforations, C, which may be formed with or without the tubular surrounding necks represented in the drawings.

In assembling the parts the two plates are brought together, the necks *a* of the front plate being extended through the openings of the back plate, and finally expanded and burred down at the outer end in such manner as to closely embrace the rear face of the back plate.

In forming the parts special care is to be taken to give the ends of the openings smooth rounded surfaces, in order to produce, as represented in Fig. 3, unbroken surfaces to carry the thread.

While I have described and illustrated the necks *a* as formed upon the front plate, it is to be understood that they may be formed upon the back plate and extended through the front plate.

The construction represented is preferred, however, for the reason that it imparts to the button a neater and more finished appearance.

I am aware that buttons have been constructed of front and back plates seamed together at the periphery, and each provided at the middle with short tubular necks, the necks of one plate abutting against those of the other in such manner as to leave between them a seam or joint. To this construction I lay no claim. It is objectionable in that it leaves the unfinished edges of the metal exposed to the action of the thread, in consequence of which the latter becomes chafed and worn.

The peculiarity of my invention lies in the extension of the tubular necks of one plate into or through the opposite plate, with the ends expanded or rounded upward, so that a smooth unbroken rounded surface is presented to the thread.

Having thus described my invention, what I claim is—

1. The improved button, consisting of perforated front and back plates, one of said plates having integral therewith tubular necks extended through the opposite plate and expanded at their outer ends, whereby a smooth rounded surface is presented to the thread.

2. The improved button, consisting of the perforated back plate and the perforated front plate, the two seamed together at the periphery, and the front plate provided with tubular necks *a*, extended through the back plate and expanded at their rear ends, as described and shown.

In testimony whereof I hereunto set my hand, this 8th day of December, 1884, in the presence of two attesting witnesses.

CHARLES V. GODDARD.

Witnesses:

MARCUS P. BESTON,  
CHAS. S. WILLIAMS.