

No. 637,720.

Patented Nov. 21, 1899.

C. S. ELLIS.
UPHOLSTERER'S BUTTON.

(Application filed Jan. 9, 1899.)

(No Model.)

Fig. 1.

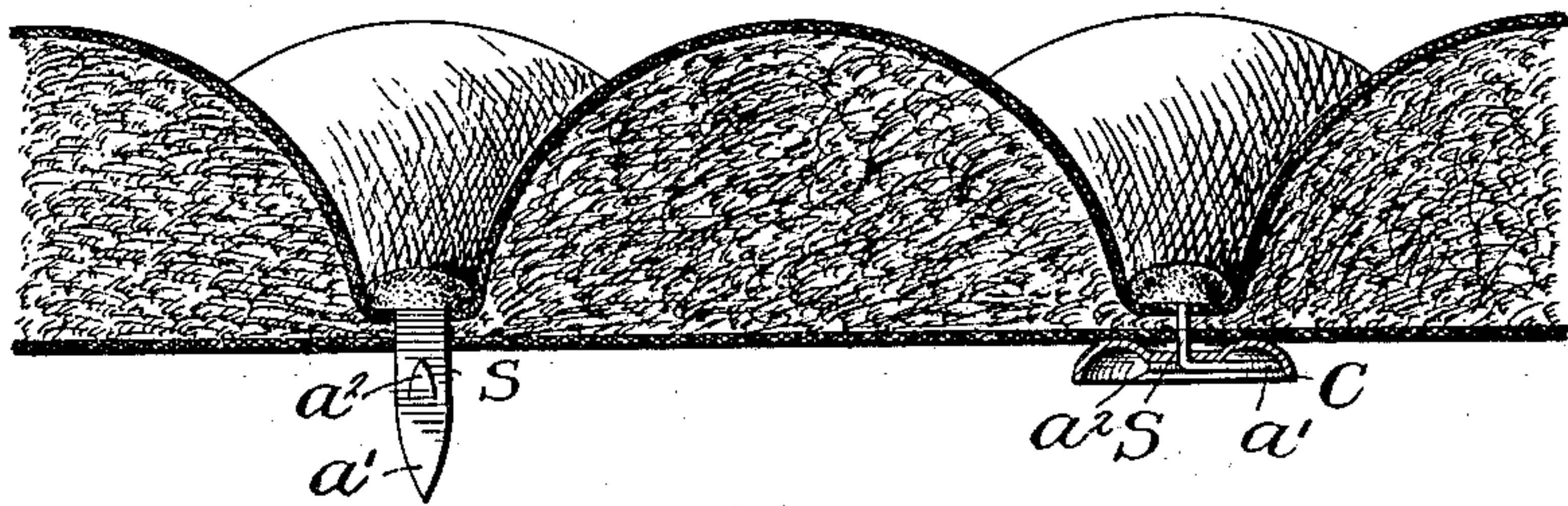


Fig. 2.

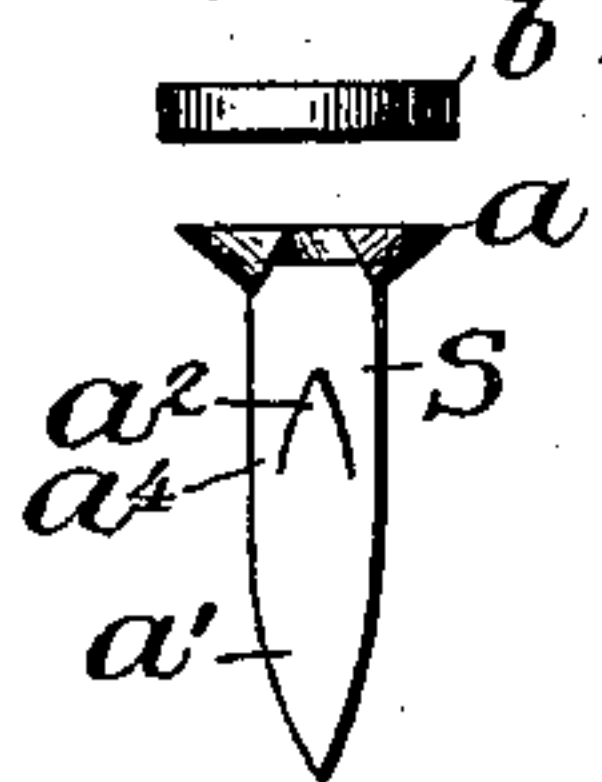


Fig. 3.

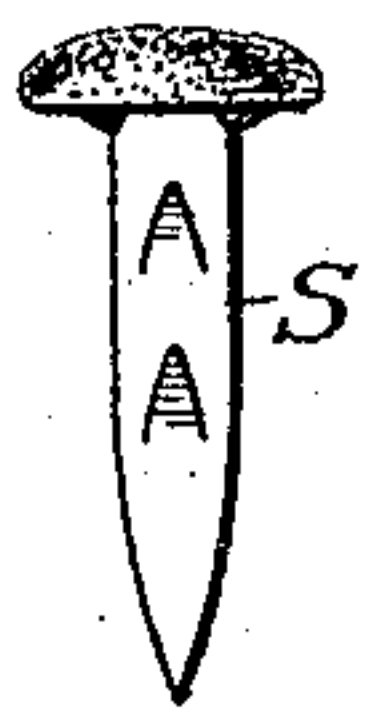


Fig. 4.



Fig. 5.

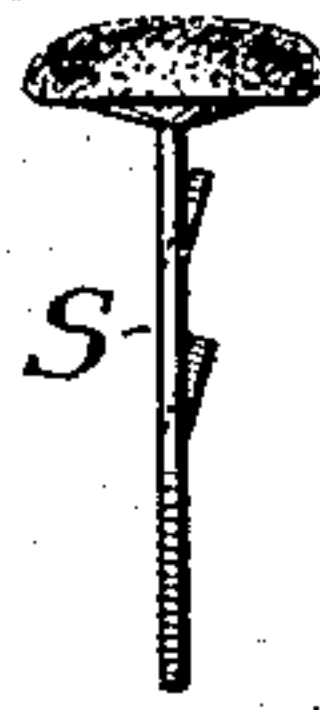


Fig. 6.

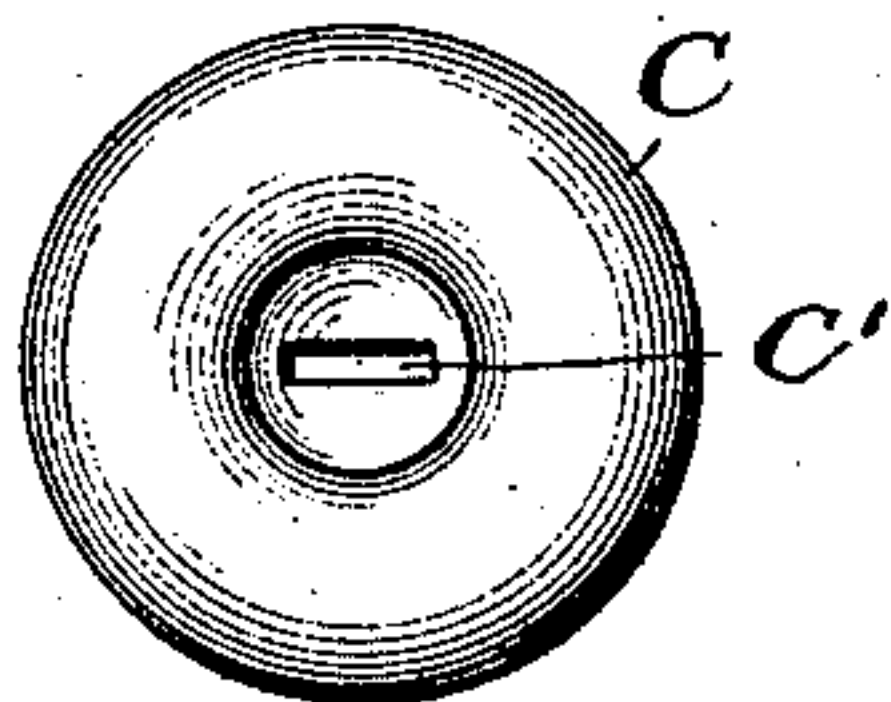


Fig. 7.

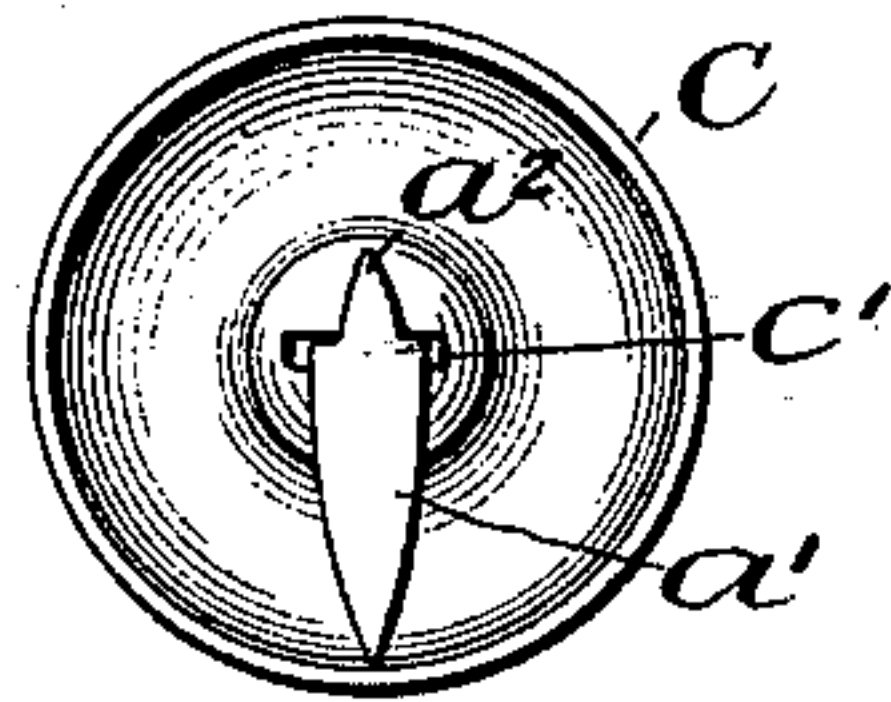
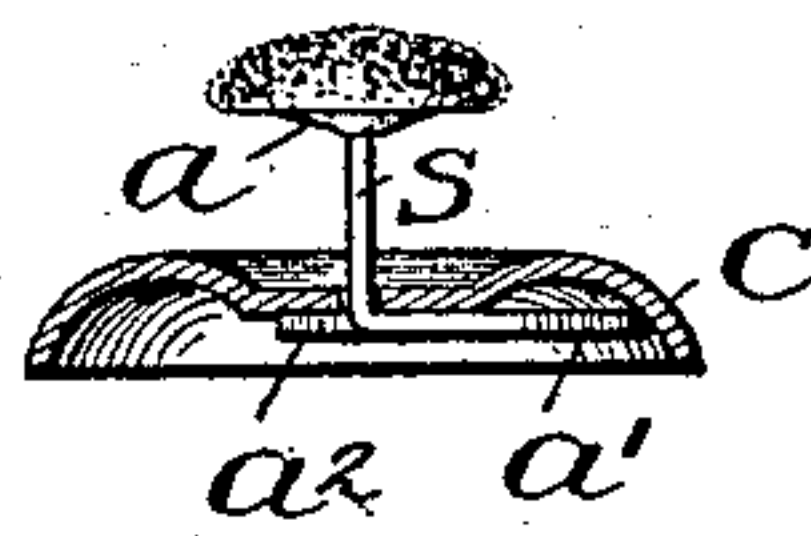


Fig. 8.



Witnesses.

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Inventor.

Chas. S. Ellis

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UNITED STATES PATENT OFFICE.

CHARLES S. ELLIS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE DOAN & GATES COMPANY, OF SAME PLACE.

UPHOLSTERER'S BUTTON.

SPECIFICATION forming part of Letters Patent No. 637,720, dated November 21, 1899.

Application filed January 9, 1899. Serial No. 701,691. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. ELLIS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Upholsterers' Buttons, of which the following is a specification.

My invention relates to that class of buttons known as "upholsterers'" buttons, in which a prong provided with a tongue or tongues extends outwardly from the cap-seat to penetrate the cloth or other covering of an upholstered part of an article of furniture, a mattress, cushion, or the like.

The principal object of my invention is to provide a simple and economical upholsterer's button so arranged as to effectively and securely bind together the top and bottom coverings of a couch, chair, or other similar article of furniture, a mattress, cushion, or the like.

My invention consists particularly in the combination of a button-cap, a perforated protecting plate or washer, and a shank consisting of a cap-seat and a prong extending outwardly therefrom and adapted to be inserted through the perforation of the plate, the said prong having a tongue or tongues cut out of the body of the prong, the tongued part of the prong being connected with the other part of the prong by two necks, one on either side of the tongue, adapted to be bent so that the tongue projecting outwardly will engage the plate or washer aforesaid at its under side, substantially as described hereinafter.

My invention is an improvement on the upholsterer's button invented by me, upon which I have filed application for Letters Patent of the United States, date of filing being August 15, 1898, and serial number of application being 688,660.

In the drawings, Figure 1 is a sectional view of a piece of upholstery, showing a tufted top and also showing shank of button before and after being bent into position. Fig. 2 is a front view of shank with cap detached, prong of shank showing one tongue formed by a V-shaped cut. Fig. 3 is a front view of button or pin complete, prong showing two tongues formed by a V-shaped cut. Figs. 4 and 5 are

side views of parts shown in Figs. 2 and 3. Fig. 6 is a top view of perforated plate. Fig. 7 is a view of plate with pin inserted therein and bent. Fig. 8 is another view of pin or shank in plate.

In the construction of an upholsterer's button according to my improvement I provide first a shank *s*, which may be stamped or made out of a single piece of metal. This shank, as shown in Fig. 2, is provided with a base or cap-seat *a*, preferably saucer-shaped in form. From the middle of the lower or convex face of this base and perpendicular thereto extends a prong *a'*, the upper portion of which may be stamped out of the base itself, as shown in Fig. 2. This prong, which may be of any suitable length, I provide with a tongue, as *a²*, extending in an opposite direction from the point of the prong and formed by a cut in the body of the prong. This tongue is cut into the prong so as to leave a narrow or easily-bent neck on either side of the said tongue. I also provide a metal cap *b* of size suitable to fit over the base or cap-seat *a*. Over this cap cloth or other fabric may be stretched and secured in the manner commonly employed in the art, so as to make, in combination with the shank above described, a complete upholsterer's button. I provide, further, a perforated plate, as *c*, the perforation *c'* therein being adapted to receive the prong and secure it when it shall have been bent. The further office of this plate is to provide a wide seat for the bent tongue and prong and so make impossible the tearing of the bottom cover before referred to.

In use the prong of the complete button is inserted through the top covering of the mattress, cushion, or article of furniture to be upholstered. The upholstering or tufting material having been put in its proper place between the top and bottom coverings, the prong of the shank is then forced through the bottom covering and inserted through the perforated plate *c* until the tongue *a²* is clear of the plate. The prong may then be bent over at the necks *a⁴*, and the tongue and point of the prong engaging the surface of the plate *c* at either side of the perforations will securely and firmly hold the top and bottom coverings in position near or far from

each other, according as the lower protruding part of the tongue is nearer or farther from the cap-seat *a*.

In the art in which my invention is used it is necessary to have fasteners or buttons of iron or steel so strong as to make it difficult to bend them out of the fastening position. The particular advantage of my fastener or button over other fasteners is that it does not require the bending of the nib or tongue to put it in the fastening position—*i. e.*, at right angles to the main or upper portion of the prong. The bending of the lower portion of the prong at the necks is sufficient to bring this about. The tongue being unbent therefore remains strong and able to better resist the pull of the tufting material in the upholstered article. Furthermore, in inserting my fastener through the covering of the article to be upholstered and through the tufting material there is no danger that the point of the tongue may catch in such material. It is impossible for the point of the tongue in my invention to cause damage by catching in such materials. My invention has substantial advantages in strength over any fastener which may require the bending of two parts before it assumes the fastening position. In my invention it is necessary to bend but one part, and the tension or pull of the tufting material upon the part engaging the retaining plate or washer is the more successfully resisted because that part has never been bent.

While I have described my invention with

more or less minuteness regarding details of construction as being embodied in certain precise forms, I do not desire to be limited thereto unduly or any more than is pointed out in the claim. On the contrary, I contemplate all proper changes in form or construction and arrangement, the omission of immaterial elements, and the substitution of equivalents as circumstances may suggest or necessity render expedient.

I claim—

A metal fastener or button for use in upholstering, whose office is to fasten together the upper and lower coverings of an upholstered article of furniture, a mattress, cushion or the like, and which is composed of a head or cap-seat and a prong extending outwardly therefrom, and thrust through the upholstering material, a tongue formed by a cut or slit upon the body of the prong, the point of the tongue extending in an opposite direction from the prong's point, the prong being bent at the necks formed by the tongue at its base, the tongue and the bent part of the prong lying in the same plane, and at a substantial right angle with the upper part of the prong passing through the fabric, and a cap adapted to be fitted over the cap-seat and clamped thereon, all substantially as described.

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Witnesses:

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