

No. 885,879.

PATENTED APR. 28, 1908.

L. Y. SMITH.
DETACHABLE BUTTON.
APPLICATION FILED DEC. 8, 1906.

Fig. 1.

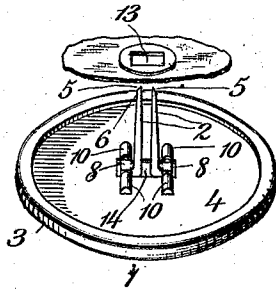


Fig. 2.

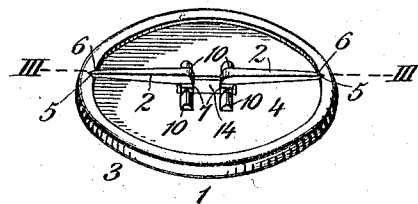


Fig. 3.

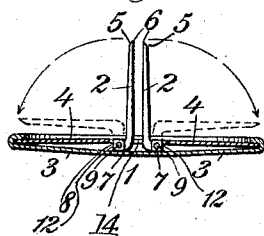


Fig. 4.

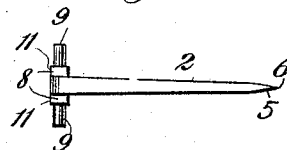
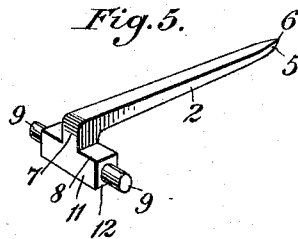


Fig. 5.



Witnesses:

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By F. G. Fischer,
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UNITED STATES PATENT OFFICE.

LILLIAN Y. SMITH, OF PARKER, KANSAS.

DETACHABLE BUTTON.

No. 885,879.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed December 8, 1906. Serial No. 346,861.

To all whom it may concern:

Be it known that I, LILLIAN Y. SMITH, a citizen of the United States, residing at Parker, in the county of Linn and State of Kansas, have invented certain new and useful Improvements in Detachable Buttons, of which the following is a specification.

My invention relates to improvements in detachable buttons; and embodies a pair of adjustable prongs whereby the button may be readily attached to a garment without the use of a needle and thread.

Among the advantages derived from the use of the button are—that it is applied to the garment without sewing and hence the fabric will not be drawn, puckered, or otherwise injured; considerable time is saved in trimming women's and misses' clothing with buttons, and it may be readily applied to or removed from coats, vests, and wash goods.

Referring now to the accompanying drawing which illustrates the invention, Figure 1 represents a perspective view of the button in position to be attached to a garment. Fig. 2 is a perspective view of the same with the prongs folded in the position which they occupy when holding the button in place. Fig. 3 is a central section on line III—III of Fig. 2. Fig. 4 is a detail plan view of one of the prongs. Fig. 5 is a detail perspective view of the latter.

All of the above views are enlarged in order to clearly bring out the small parts of the button, which comprises a head 1 and a pair of prongs 2. Head 1 consists of a back-plate 3 and a front-plate 4, one of which is made from spring-metal so that it will reliably hold the prongs either in an extended or a folded position.

Prongs 2 taper toward their forward ends which are beveled at 5 to form points 6, so that said prongs may be readily forced through the goods. The rear portions of the prongs enter an opening 14 in the front plate 4 and are bent in opposite directions therein to form rightangle extensions 7, which lie in a plane with each other and with both the

prongs. Said bends allow for the thickness of the material between the prongs and the head when said prongs are folded, as shown in Fig. 3. Extensions 7 carry cross bars 8 which lie across said opening 14 and are rectangular in cross section; and these bars terminate in trunnions 9 pivoted in bearings 10, pressed outwardly from plate 4 at opposite sides of the opening 14. By making the bars 8 rectangular, their flat sides 11 will bear against plate 3 when the prongs are extended and hold the latter in said position while being pushed through the goods, and their flat sides 12 will bear against plate 3 when the prongs are folded, and thus reliably secure the button in position upon the goods.

When desired the goods may be reinforced with metal eyelets 13 which obviate all danger of the prongs pulling through the goods.

From the above description it is apparent that I have produced a button which is well adapted for the purposes intended and may be manufactured at small cost.

Having thus described my invention, what I claim is:

In a button, the combination with the head comprising a back plate of spring material, a front plate secured at its edges to said back plate and having an opening, and two parallel pairs of bearings opposite said opening; of two straight prongs with pointed front ends having their rear portions entering said opening and bent at right angles into extensions, both prongs and extensions standing in a single plane, a rectangular cross bar secured to each extension and having one flat face contacting with said spring plate, and trunnions projecting from the outer ends of the cross bar and journaled in said bearings.

In testimony whereof I affix my signature, in the presence of two witnesses.

LILLIAN Y. SMITH.

Witnesses:

ANDREW SMITH,
WM. HARTFORD.