

No. 805,778.

PATENTED NOV. 28, 1905.

W. F. CADY.
ADJUSTABLE COLLAR SUPPORTER.

APPLICATION FILED OCT. 6, 1905.

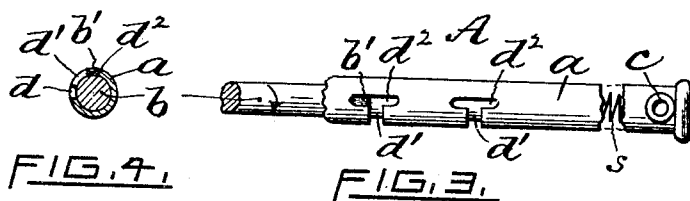
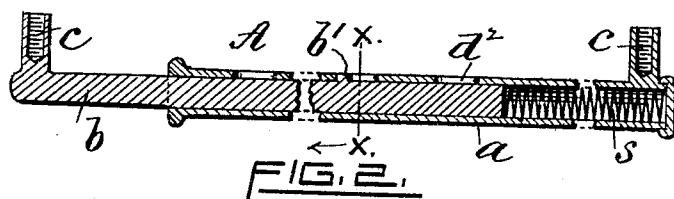
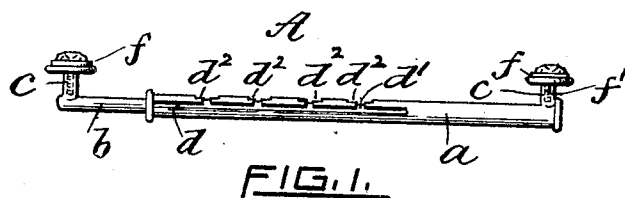
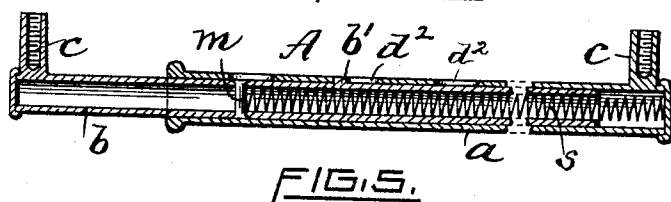


FIG. 4.



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ADJUSTABLE COLLAR-SUPPORTER.

No. 805,778.

Specification of Letters Patent.

Patented Nov. 28, 1905.

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To all whom it may concern:

Be it known that I, WILLIAM F. CADY, a citizen of the United States of America, and a resident of Edgewood, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Adjustable Collar-Supporters, of which the following is a specification.

My invention relates to improvements in "adjustable collar-supporters," so called—that is, devices employed by ladies for maintaining lace collars in position; and it consists, essentially, in the combination of a tubular outer bar having a comparatively long longitudinal main slot cut through its shell and a plurality of independent shorter longitudinal slots, each being in continuous open communication with said main slot, an endwise-movable spring-pressed bar mounted in the outer bar provided with an external lug or member arranged to cooperate with said slots to form a locking device, and front members or buttons detachably secured to said bar members, all as more fully hereinafter set forth and claimed.

The object I have in view is to produce a simple, inexpensive, and efficient collar-supporter or "collar-spreader" adapted to be easily and quickly adjusted longitudinally to collars varying in width and capable of being locked against accidental axial movement in such adjusted positions, the inner bar at the same time also being capable of yielding to some extent in an endwise direction, thereby rendering it less rigid to the wearer.

In the accompanying sheet of drawings, Figure 1 is a side elevation, enlarged scale, of an adjustable collar-supporter embodying my improvement. Fig. 2 is a longitudinal central sectional view of the same, still further enlarged; the ornamental front members or buttons being omitted. Fig. 3 is a partial top or plan view of the device. Fig. 4 is a cross-sectional view taken on line *x x* of Fig. 2; and Fig. 5 is a sectional view similar to Fig. 2, showing a modification.

In my improved adjustable or telescoping collar-supporter A, I employ a straight tubular outer bar or body member *a*, having any suitable diameter and length, and the bar *b*, movably mounted in the outer bar and extending therethrough at one end. The parts *a* and *b* have each a short perpendicular post *c* at an end thereof. These are oppositely disposed and when in use are in alinement

with each other. Front setting members or buttons *f* are detachably secured to the posts by screw-threaded stems *f'* or in any well-known manner.

The bar *a* is provided with a long narrow longitudinal opening or slot *d* (closed at each end) and a number of suitably disposed and spaced shorter parallel slots *d'*, the latter being in alinement with one another and arranged at an angle of about ninety degrees with respect to said slot *d*. Each of the openings *d'* is in direct open communication with the main slot *d* by means of a short narrow transverse curvilinear slot or passage *d''*, located about midway of the corresponding opening *d'*. (See Figs. 1 and 3.)

The inner bar *b* is slidably fitted and guided in the member *a* and is provided with a short fixed peripheral extension or lug *b'*, located quite a distance from the lower or inner end of the bar. Said lug is fitted to slide in the several slots or openings formed in the tubular bar and when in normal use forms practically a locking device for the collar-supporter. (See Figs. 2 and 3.)

A light helical spring *s* is mounted in the tubular bar *a*, the same being interposed between and bearing against the closed or bottom end of the latter and the adjacent end of the inner movable bar *b*.

The manner of adjusting and attaching my improved collar-supporter A, assuming it to be in any locked position, may be described as follows: The fronts or buttons *f* may be first detached, followed by pressing the bar *b* rearwardly or endwise until the lug *b'* in the corresponding short slot *d'* is adjacent the corresponding transverse opening *d''*, at which instant the bar is turned axially (see arrow direction, Fig. 3) until the lug enters the main slot *d*. The bar is then moved endwise in either direction as the case may require until the desired length or distance between the posts *c* is attained, the lug *b'* then being opposite an opening *d'*, followed by turning the bar backwardly, thereby introducing the lug into the opening and into the corresponding slot *d''*. The action of the spring then presses the bar ahead until the lug is arrested in the front end of the slot, thus practically again locking the parts together. The posts *c* are next inserted from the back of the collar through its meshes, followed by resecuring the buttons *f* to the posts, thus completing the operation.

It will be seen that my improved collar-supporter possesses the added advantage of being somewhat resilient when in use, since it may be contracted while locked without becoming accidentally unlocked or released. In other words, the slot d^2 and lug b' mounted therein permits endwise movement of the spring-pressed bar b , such movement being limited by the length of the slot d^2 . The operation just described may be effected quickly and easily, the construction of the device being such that the members thereof are practically locked in any adjusted position within its limits.

The construction represented in Fig 5 is substantially the same as that shown in Fig. 2, except that in the former the bar b is tubular, the spring s in this case extending therein and abutting a pin or stop m .

I claim as my invention, and desire to secure by United States Letters Patent—

1. As an improved article of manufacture, a telescoping collar-supporter consisting of a tubular body member having a longitudinal main opening or slot through its wall and a plurality of suitably-spaced shorter openings or slots in open communication with said main opening, a bar member movably mounted in said tubular member having a fixed lug arranged to engage said slots and interlock with said tube, and oppositely-disposed set-

ting or button members connected with the said body and bar members.

2. The improved adjustable collar-supporter herein described, consisting of the outer and inner members, a and b , the latter capable of endwise movement in said outer member, means integral with said members for varying the length of the collar-supporter and holding it in such adjusted positions, an inner spring in yielding engagement with the member b , a post at each end of the supporter and a setting or button member removably secured to each post.

3. The two-part telescoping collar-supporter having the outer one of said parts relatively stationary and provided with a longitudinal slot and a plurality of intercommunicating shorter slots, the other of said parts being endwise and axially movable in said outer member and provided with a fixed lug arranged to interlock with said shorter slots, and button members detachably secured to the opposite ends of the collar-supporter, substantially as described.

Signed at Providence, Rhode Island, this 5th day of October, 1905.

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Witnesses:

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