C. J. McLEOD.

STAY FOR CORSETS, COLLARS, &c.

APPLICATION FILED SEPT. 24, 1913.

1,142,045. Patented June 8, 1915.

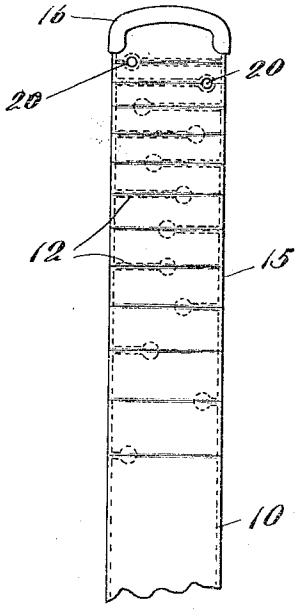


Fig. 1

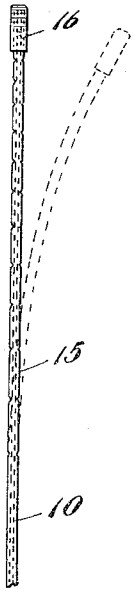


Fig. 2.

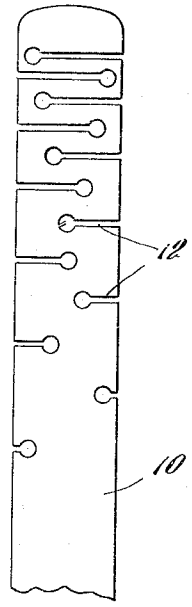


Fig. 3.

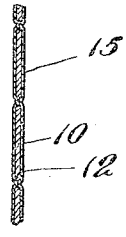


Fig. 4.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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STAY FOR CORSETS, COLLARS, &c.

1,142,045. Specification of Letters Patent. Patented June 8, 1915.

Application filed September 24, 1913. Serial No. 791,512.

To all whom it may concern:

Be it known that I, CLIFFORD J. McLEOD, a citizen of the United States, a resident of Hyde Park, county of Norfolk, State of Massachusetts, have invented an Improvement in Stays for Corsets, Collars, &c., of which the following is a specification.

This invention relates to stays for corsets, collars and other articles, and has for its object the construction of a resilient stay, the resiliency of which is gradually increased toward one or both of its ends; and also to provide such a resilient stay with a paper cover, which is itself so constructed that it may be bent without breaking or tearing the paper, to conform to any curvature that the stay may be caused to assume.

The invention consists in a flat strip of metal or other material, of any desirable dimensions, and which is more or less resilient, said strip having slots extended inward from its edges, which slots are arranged in parallel relation, and those along one edge are alternately disposed with respect to those along the other edge, said slots gradually increase in length toward the end of the stay, and the spaces between said slots gradually diminish in width toward the end of the stay, whereby the resiliency of the stay is gradually yet substantially increased toward its end.

The invention also consists in a flat resilient strip having a slotted end-portion, whereby its resiliency is gradually increased toward its end, and a paper cover for said strip which is scored or corrugated transversely at points opposite the slots, thereby to admit of the cover bending transversely at such points to correspond with the bending of the stay.

Figure 1 is a front elevation of the portion in a resilient covered stay embodying this invention. Fig. 2 is an edge-view of the same. Fig. 3 is a front elevation of the uncovered resilient strip represented in Fig. 1. Fig. 4 is a longitudinal vertical section of a portion of the covered resilient stay.

10, represents the resilient strip of flat sheet-metal or other material, which serves as the body of the stay. Said strip may be of any desired dimensions according to the use for which it is intended. Said resilient strip is provided at one or both of its ends with slots 12, which are extended inward from its edge, and, as here shown, from both of its edges. These slots are arranged in parallel relation, and those along one edge are arranged alternately with respect to those along the other edge. They are formed with parallel sides and of any desired width, but for ease in forming them they may be made as key-hole slots, the circular openings of which are located at their inner ends, thereby weakening the strip at such points. They are made of a gradually increasing length toward the end of the strip, and the spaces between them are made of a gradually decreasing width, but my invention is not limited to the employment of both of these features of variation as either alone will substantially increase the resiliency of the end-portion of the stay.

Frequently it is necessary to cover the stay and paper is ordinarily used, and a paper cover 15 is here shown which incloses the stay, and said cover has transverse scores or corrugations arranged upon its outer side at points opposite the slots, said scores or corrugations being usually extended entirely across the cover from edge to edge, and also usually arranged on both sides of the cover, as represented in Fig. 4. Said scores or corrugations admit of the paper-cover bending transversely to enable it to conform to the curvature the stay may be caused to assume. The stay may be provided with a protecting-clip 16; and also may be provided with holes, 20, for stitches or other fastening-means, which may be used for attaching it to an object, said holes being here shown as arranged at the inner ends of the slots.

I claim:—

1. The stay herein described consisting of a resilient strip having transverse slots extended inward from its edges, at its end-portion, which are made of a gradually increasing length toward the end of the stay, whereby the resiliency of the end-portion of the stay is gradually increased.

2. The stay herein described consisting of a resilient strip having transverse slots extended inward from its edges, at its end-portion, which are made of a gradually increasing length, and disposed at gradually decreasing distances apart, toward the end of the stay, whereby the resiliency of the end-portion of the stay is gradually increased.

3. The stay herein described consisting of

a resilient strip having transverse slots extended inward from its edges, and a paper-cover for said stay having transverse scores or corrugations arranged opposite the slots, whereby the cover is adapted to bend transversely to conform to the bending of the stay.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witneses.

CLIFFORD J. McLEOD.

Witnesses:
B. J. NOYES,
H. B. DAVIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."