No. 730,220. PATENTED JUNE 9, 1903.

J. A. BARTHOLME.

NECKBAND SHAPER.

APPLICATION FILED FEB. 21, 1902.

MODEL.

Fig. 1.

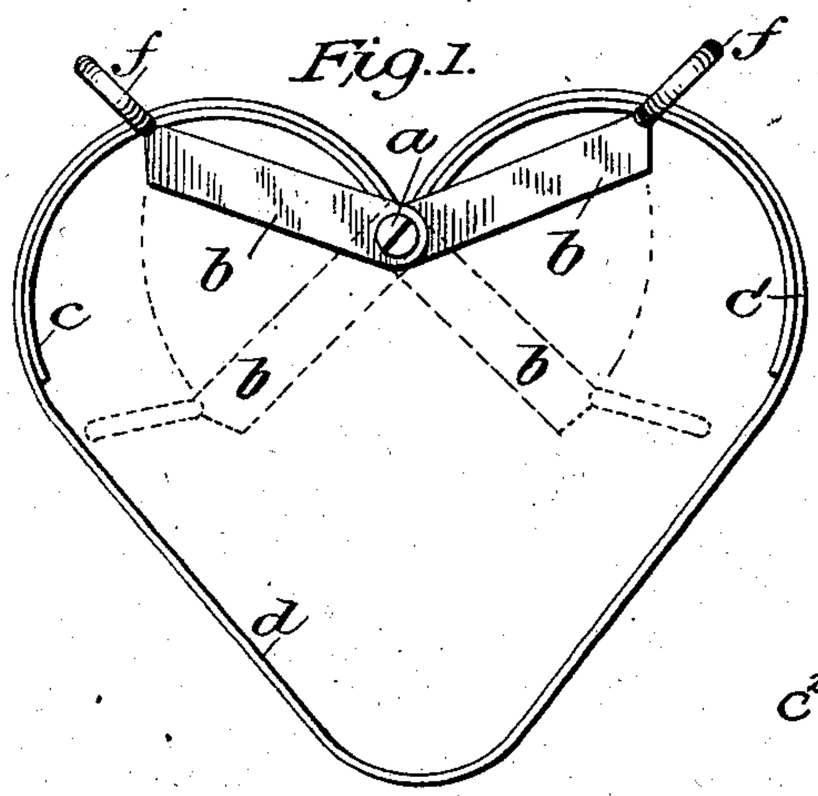


Fig. 2.

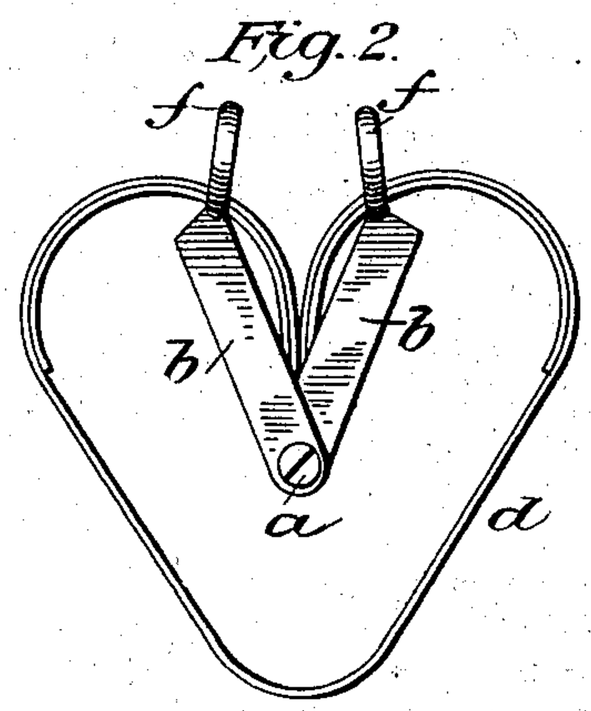


Fig. 5.

Fig. 6.

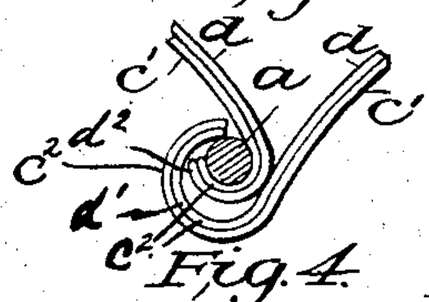


Fig. 4.

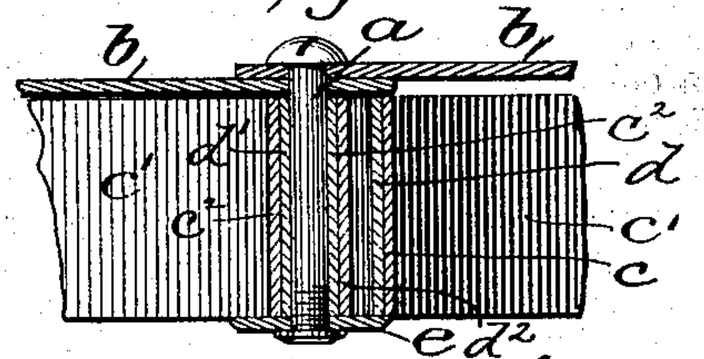


Fig. 3.

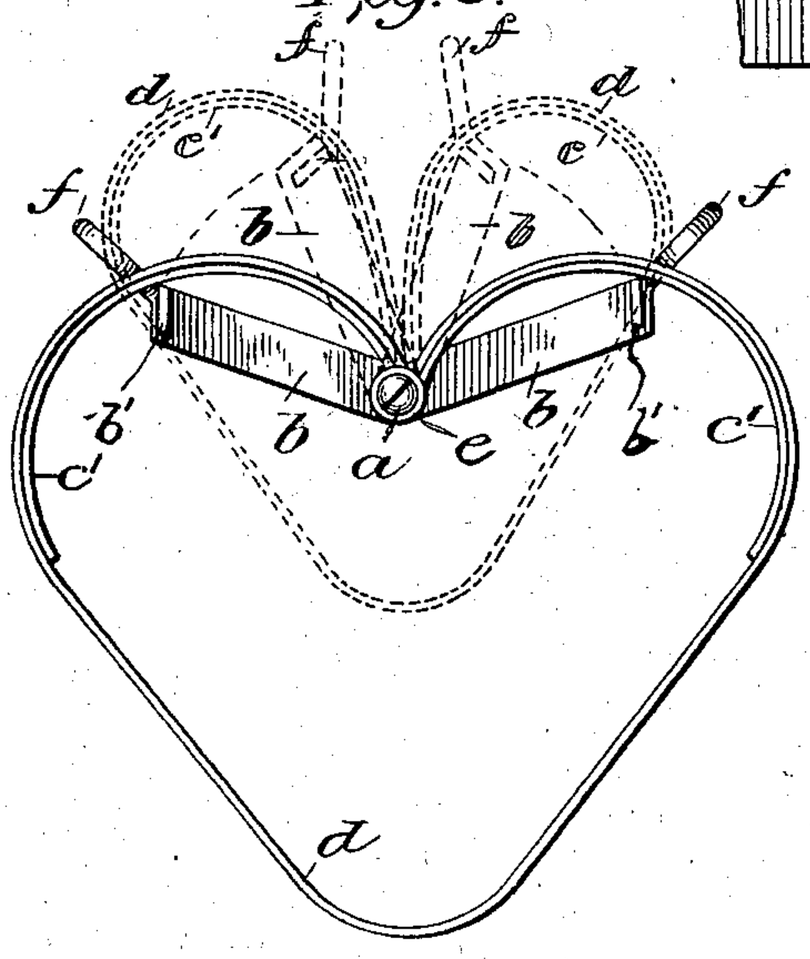


Fig. 7.

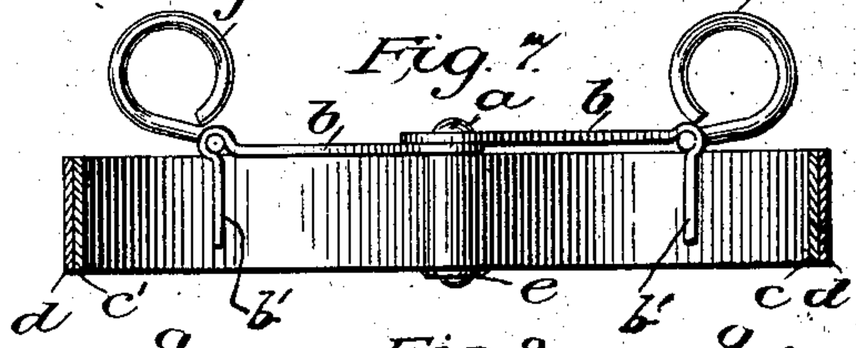


Fig. 8.

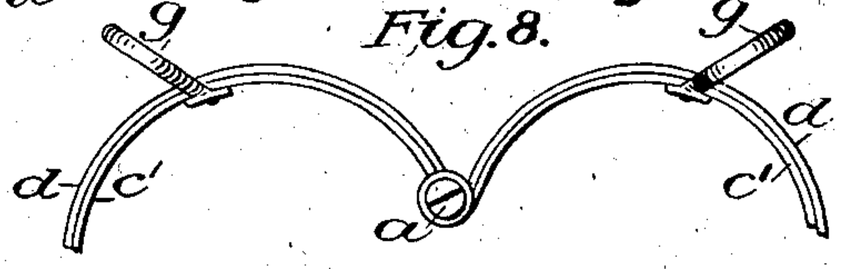
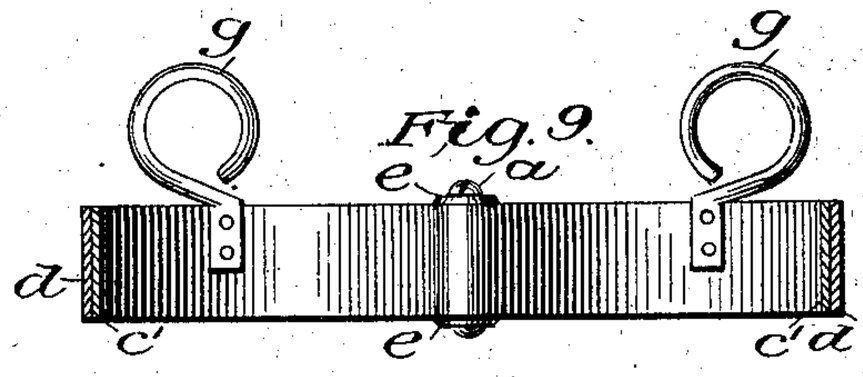


Fig. 9.



Witnesses:

Richard Ortmann

William Pecard

Inventor:

Joseph Anton Bartholme.

No. 730,220. Patented June 9, 1903.

UNITED STATES PATENT OFFICE.

JOSEPH ANTON BARTHOLME, OF BALTIMORE, MARYLAND.

NECKBAND-SHAPER.

SPECIFICATION forming part of Letters Patent No. 730,220, dated June 9, 1903.

Application filed February 21, 1902. Serial No. 95,138. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH ANTON BARTHOLME, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Neckband-Shapers, of which the following is a specification.

This invention relates to improvements in devices for shaping the neckbands of shirts while the latter are being ironed. In laundering shirts it is customary to iron the neckbands first and then secure the two portions of said band together by a collar-button before ironing the bosom and body portion. In order to retain the neckband in a standing or vertical position while the bosom and body portion of the shirt are being ironed, a neckband-shaper is usually employed, which latter permits the bosom and body material of the shirt to be stretched and pressed by the iron in directions away from the already-ironed neckband without interfering with the shape of the latter.

The invention consists in certain details of construction and combinations of devices, as will be hereinafter described and claimed.

Figure 1 of the drawings illustrates a top plan view of the shaper in the expanded condition. Fig. 2 shows a top plan view of the shaper in the contracted position. Fig. 3 is a bottom plan view of the shaper in the expanded condition and also illustrates in broken lines the position of the parts with respect to the pivot when the shaper is contracted. Fig. 4 is a sectional view through the ends of the metallic spring-bands at the pivot-point and also through the operating-arms. Fig. 5 illustrates the position of the ends of the metallic spring-bands when the latter are contracted. Fig. 6 illustrates the same when the bands are expanded. Fig. 7 shows a cross-sectional view of the shaper. Fig. 8 illustrates a modified form of shaper, and Fig. 9 is a sectional elevation of same.

In the drawings, d represents a flat metallic spring-band, which in the present instance is of a shape resembling the conventional heart, with the ends of said band curved inwardly on a circular line toward the center and then downwardly or toward each other. One curved end of this band d is provided with a curved hook d', while the other curved end of said band is provided with a curved hook d^2. The hook d' is of a larger curve or diameter than the hook d^2, and the former fits into the latter, as shown in Figs. 5 and 6. A pair of supplemental or reinforce spring-bands c and c' extend in a direction parallel with the curved ends of the band d, and each of said reinforce springs is provided with a hook c^2, which fits into and engages the hooks on the band d, and all of these hooked ends held in engagement by a pintle a. These reinforce-springs are secured at but one end, and from that secured end said springs are curved around parallel with the metallic band d and have their other ends free. Thus it will be seen that the spring metallic bands are reinforced by the supplemental springs c and c', which adds greatly to the resiliency of the metallic bands. Two operating-arms b have one of their ends pivoted to said pintle, and the outer ends of each of said arms are turned downward to form an engaging lug b', which projects down on the inside of the frame and takes against the supplemental reinforce-springs. A loop f is provided on each of the arms b above the lugs b', by means of which the arms may be moved laterally by being pressed between the thumb and finger of the operator.

A washer e on the end of the pintle serves to reduce friction as well as hold the parts securely together.

The modified form of shaper (shown in Figs. 8 and 9) differs from the preferred form in that it dispenses with the operating-arms b and lugs b', shown in the preferred form, and the operating-loops g are secured directly to the supplemental reinforce-springs c and c'.

The operation is simple and apparent from the specification and drawings.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A shaper comprising a metallic spring-band having its ends turned inwardly and pivotally connected together and two operating-arms pivoted to the ends of said band and projecting one at either side of said pivot whereby the band may be contracted by projecting the pivoted ends of the band through the center and toward the opposite side of the band.

2. A shaper comprising a metallic spring-band provided at each end with a curved hook,

the hooks on said ends being turned inward and pivotally interlocked with each other; and a loop at each side of said hooked ends whereby the band may be contracted.

3. A shaper comprising a metallic spring-band having its ends curved inwardly on a circular line toward the center and said ends being pivotally connected; a reinforce-band on the interior of and extending parallel with said metallic spring-band and means whereby the said two bands may be contracted.

4. A shaper comprising a metallic spring-band having its ends curved inwardly on a circular line toward the center—said ends being pivotally connected together; a reinforce-band extending parallel with each end of the said metallic spring-band; the ends of said reinforce-band being pivoted together and a device at either side of the pivoted ends of said reinforce-band whereby to contract said bands.

5. A shaper comprising a metallic spring-band having its ends curved inwardly on a circular line toward the center and pivoted together; two reinforce-bands each having one end pivoted to the ends of said metallic spring-band whereby said ends are all pivoted at the same point, said reinforce-bands extending parallel to said curved ends of the metallic band; two arms pivoted at the ends of said bands and projecting at opposite sides and each adapted to engage one of the reinforce-springs for the purpose set forth.

6. A shaper comprising a metallic spring-band having its ends curved inwardly and pivoted together; two reinforce-springs on the inside of said spring-band and extending parallel with the curved ends of the latter; two arms pivoted so as to swing from the ends of said spring-band and each arm having a projection which engages the reinforce-springs whereby said arms may be swung outward and contract the said spring-band and reinforce-springs.

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

JOS. ANTON BARTHOLME.

Witnesses:

ED. RAINE,

WM. BECKER.