

Nov. 26, 1935.

W. RUBINSTEIN

2,022,605

ADJUSTABLE COLLAR BAND FOR SHIRTS

Filed June 25, 1934

3 Sheets-Sheet 1

Fig. 1.

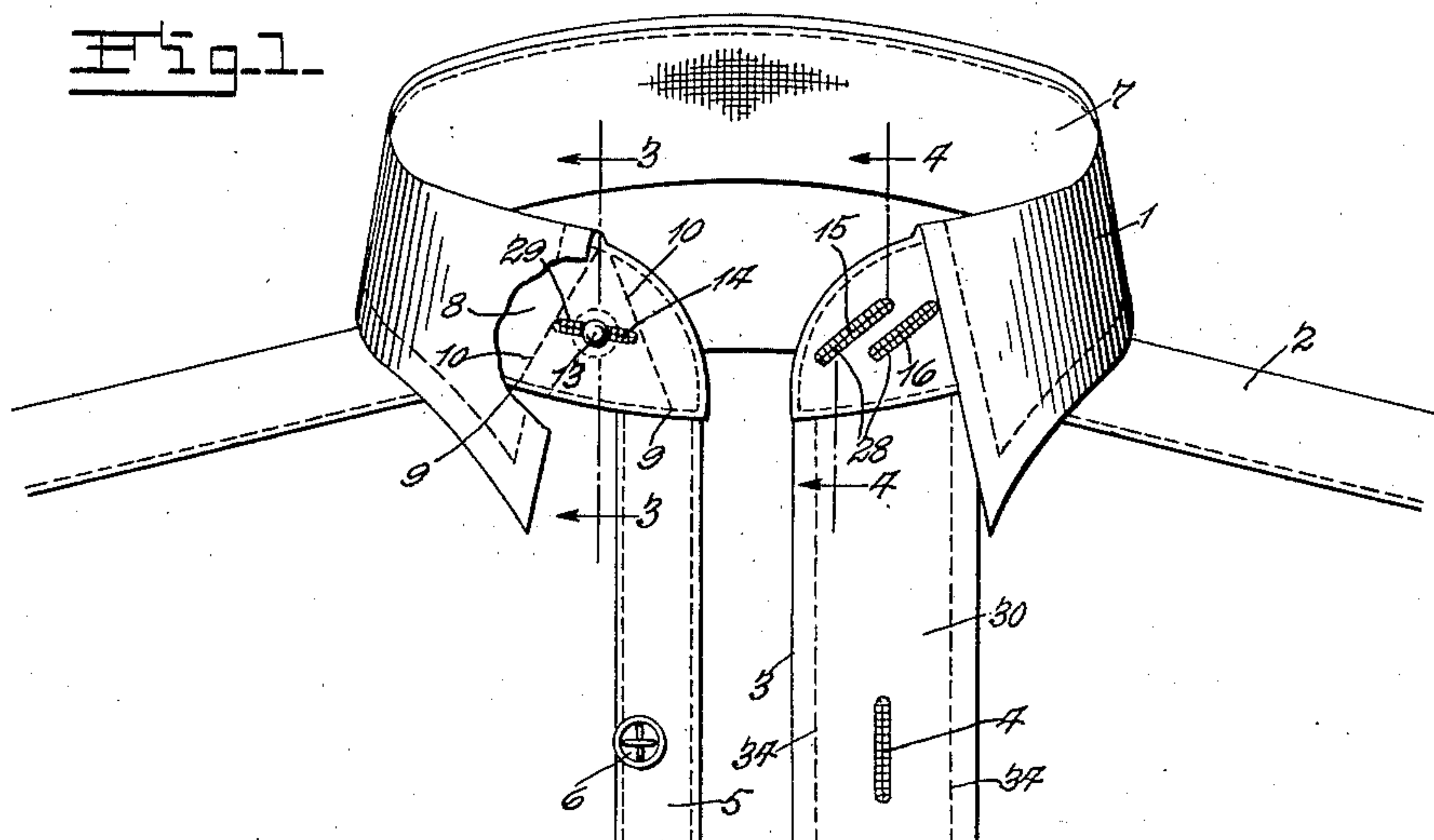


Fig. 2.

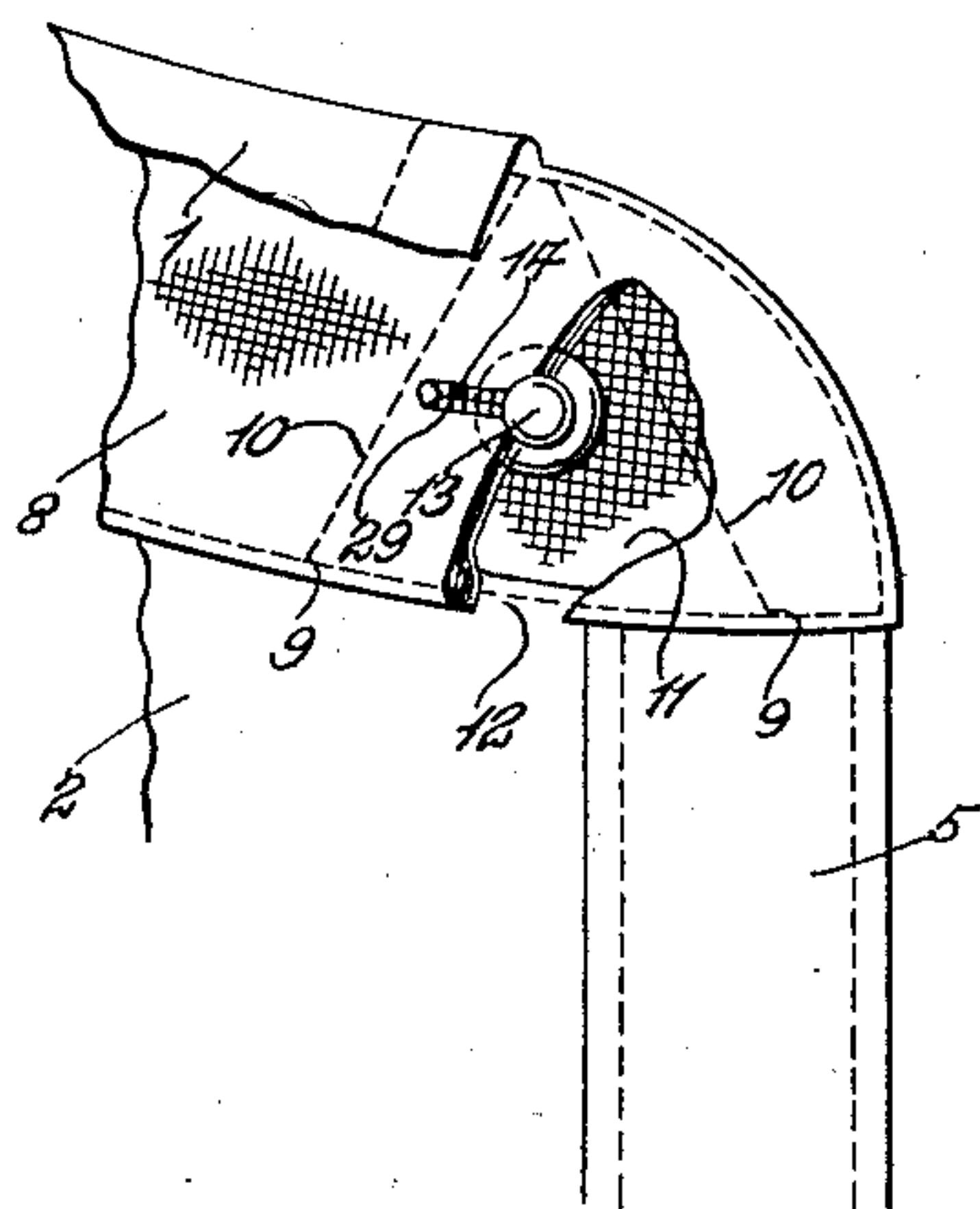


Fig. 3.

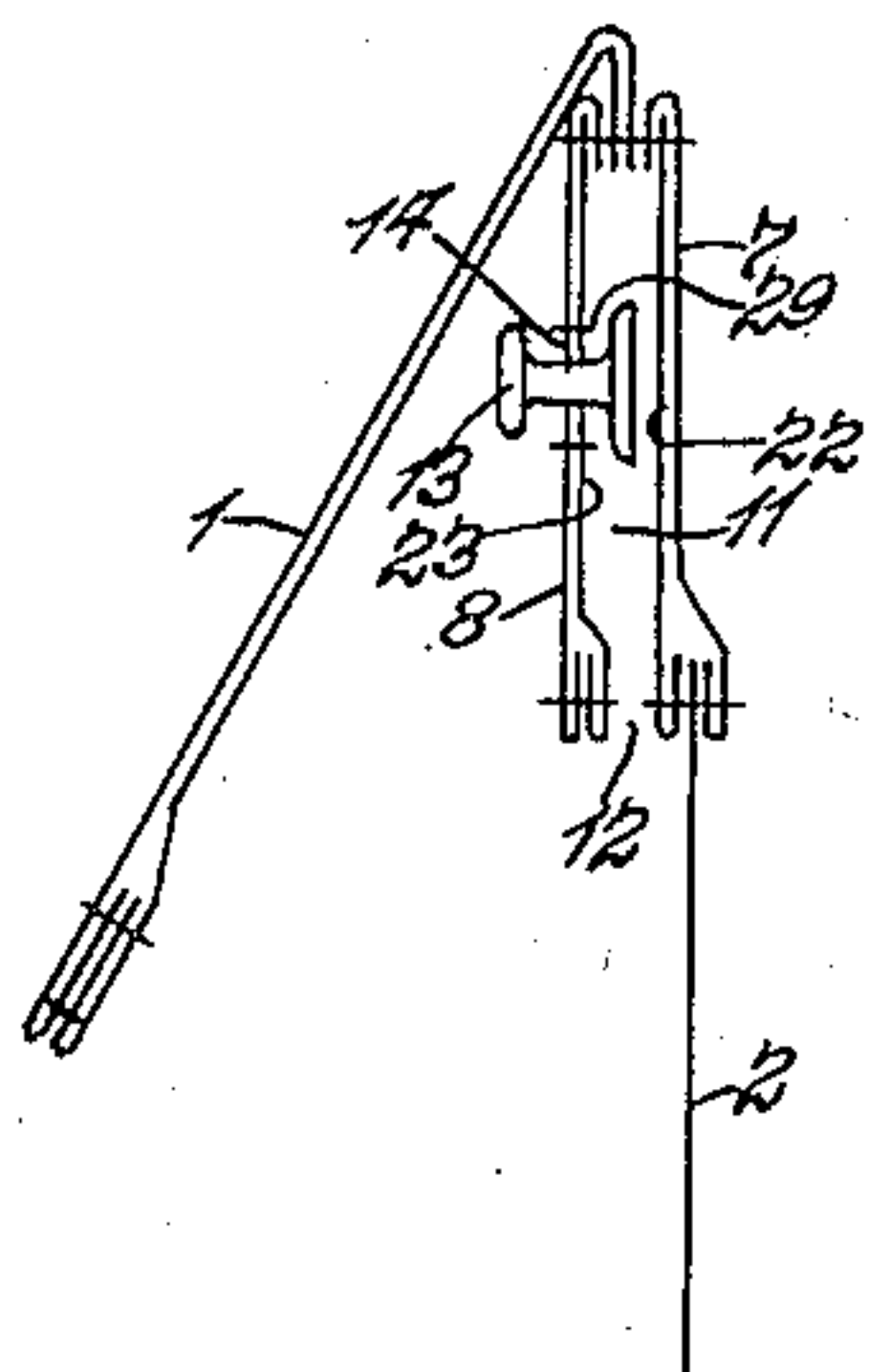
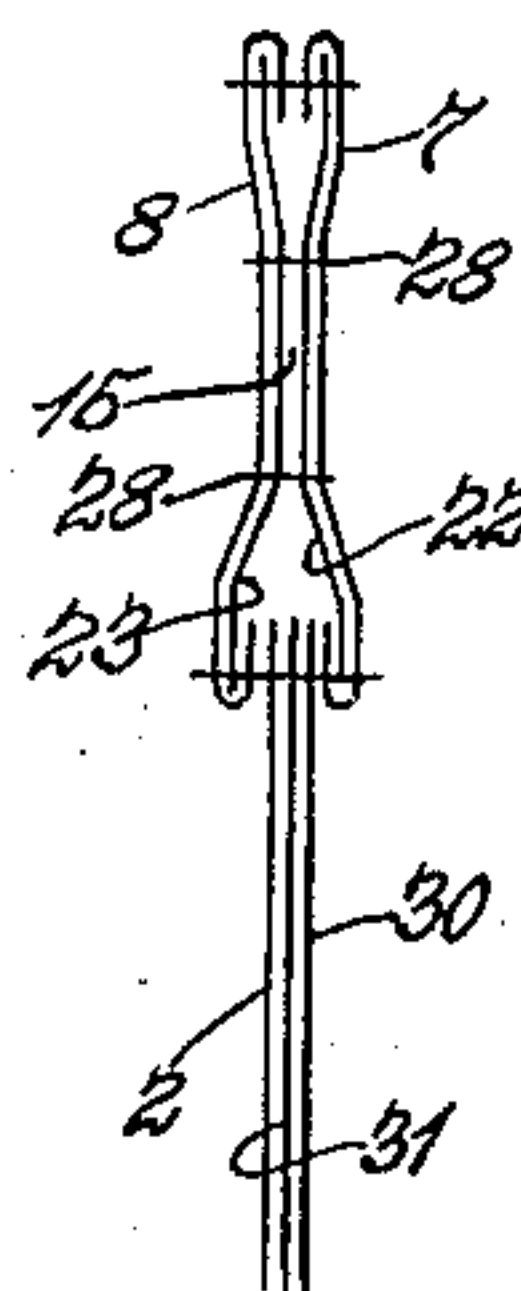


Fig. 4.



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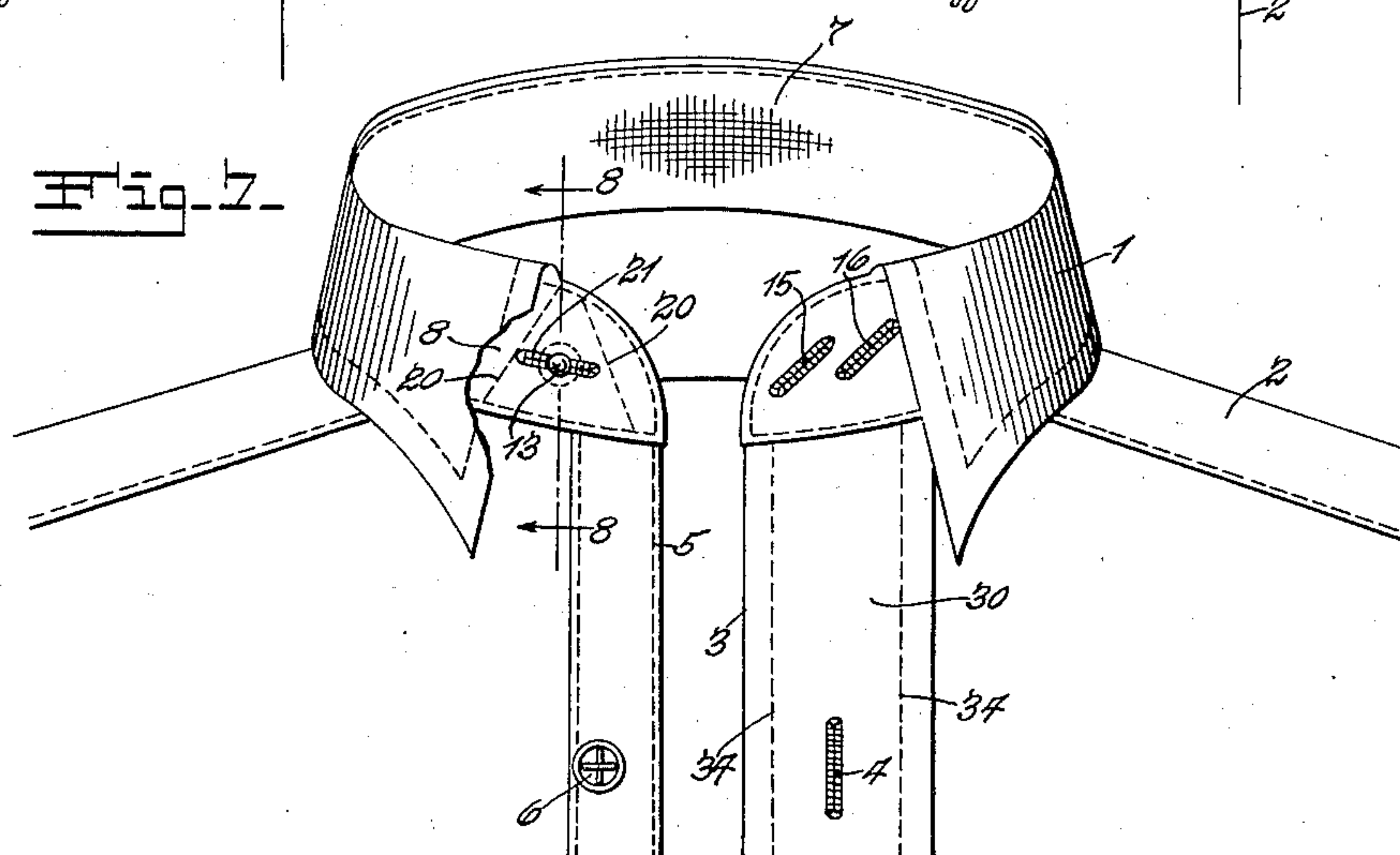
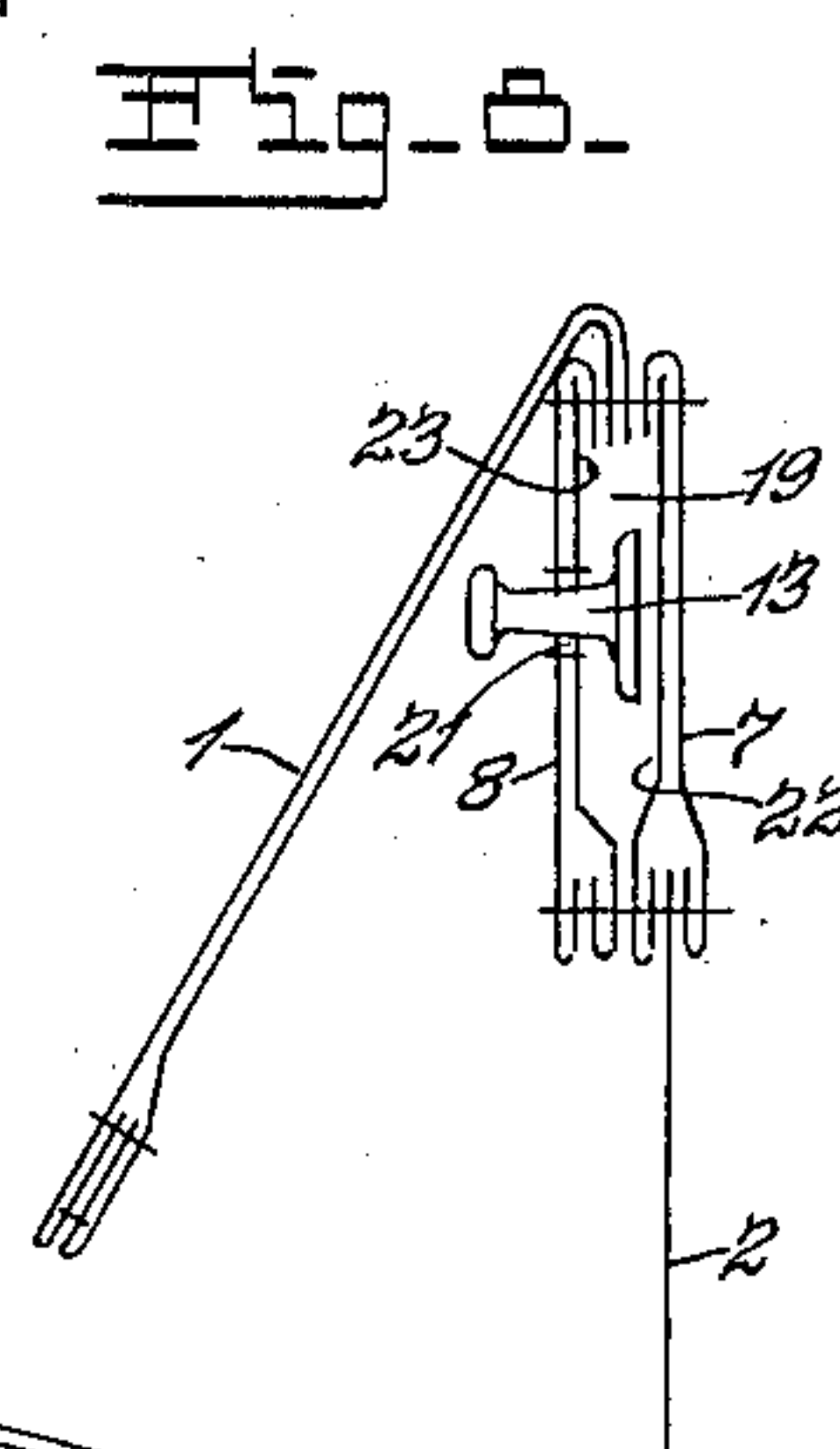
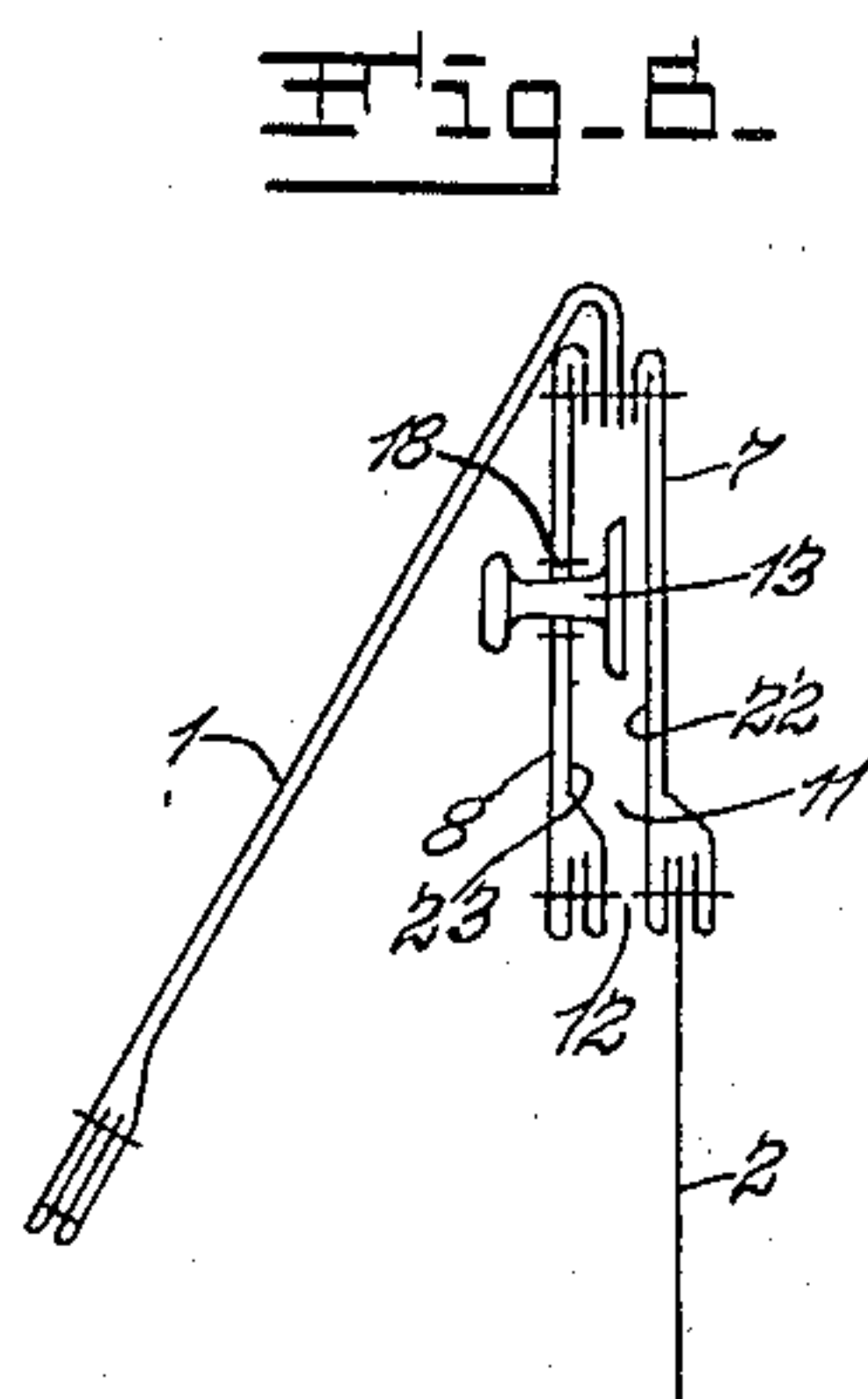
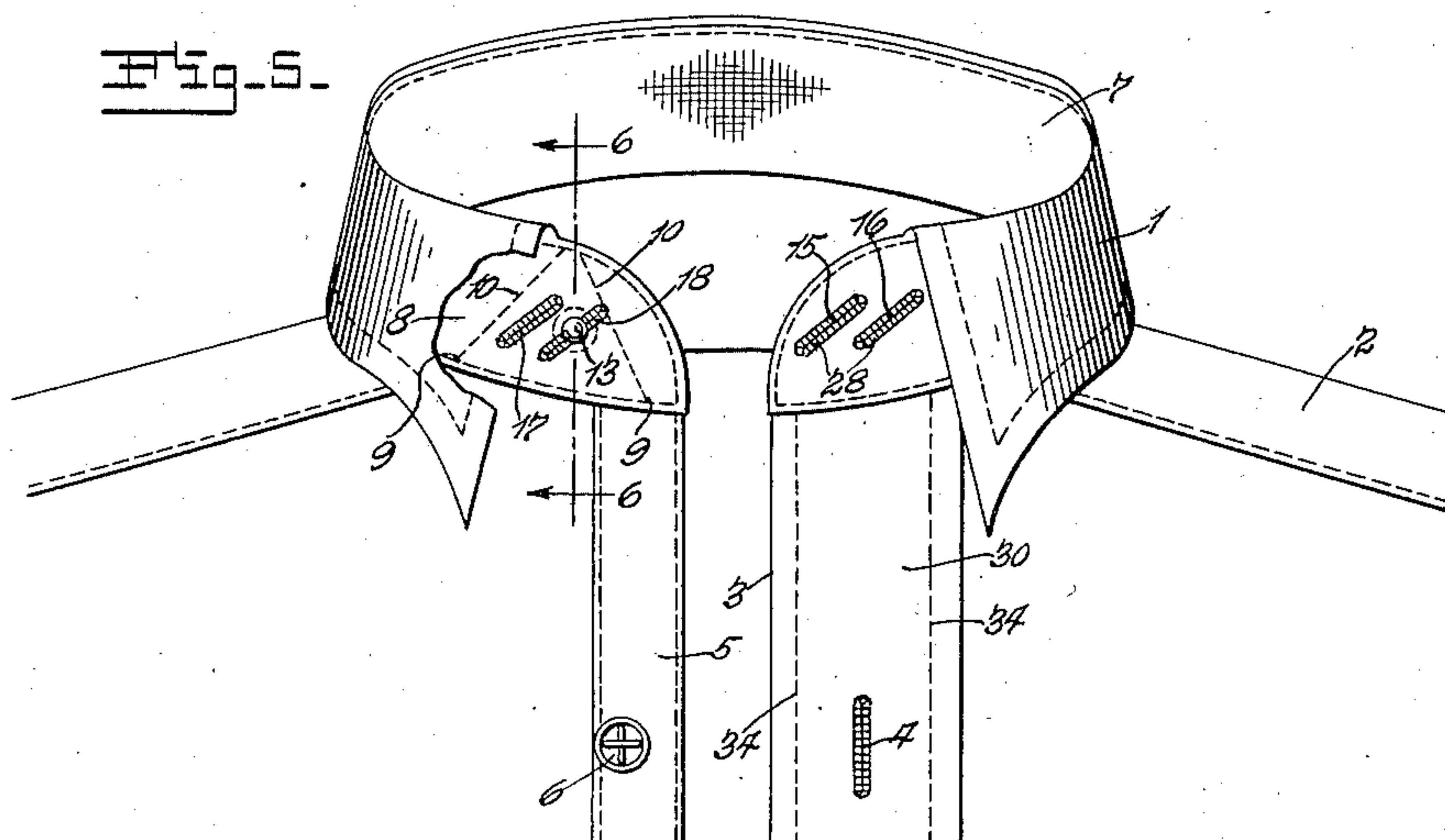
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ADJUSTABLE COLLAR BAND FOR SHIRTS

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3 Sheets-Sheet 2



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ADJUSTABLE COLLAR BAND FOR SHIRTS

Filed June 25, 1934

3 Sheets-Sheet 3

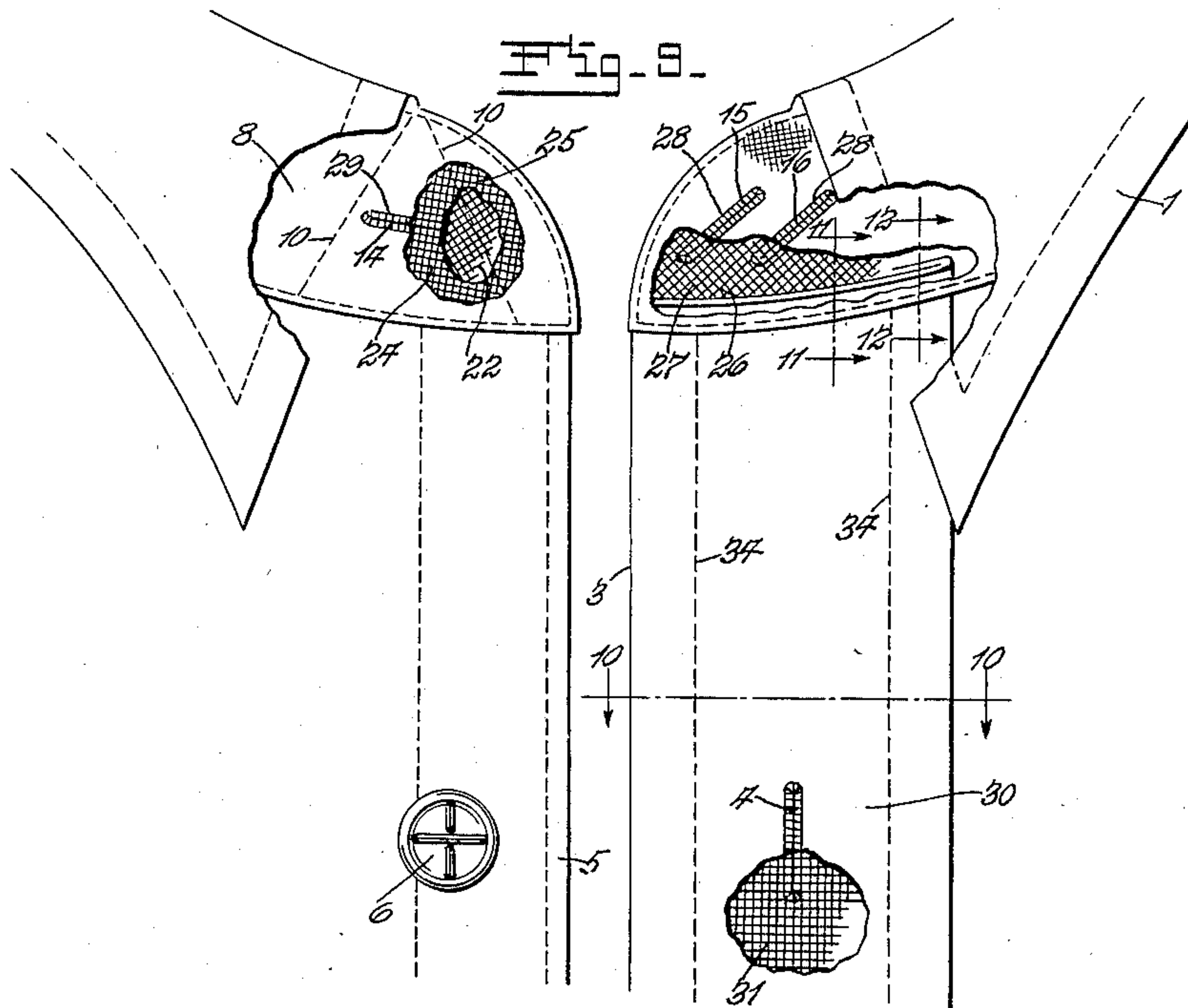


Fig. 10.

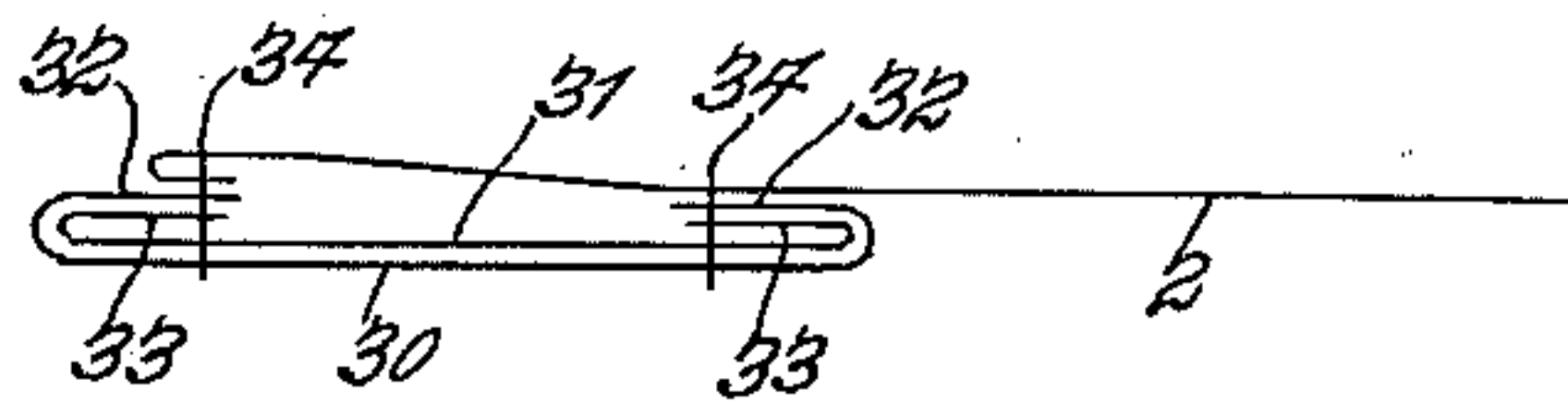


Fig. 11.

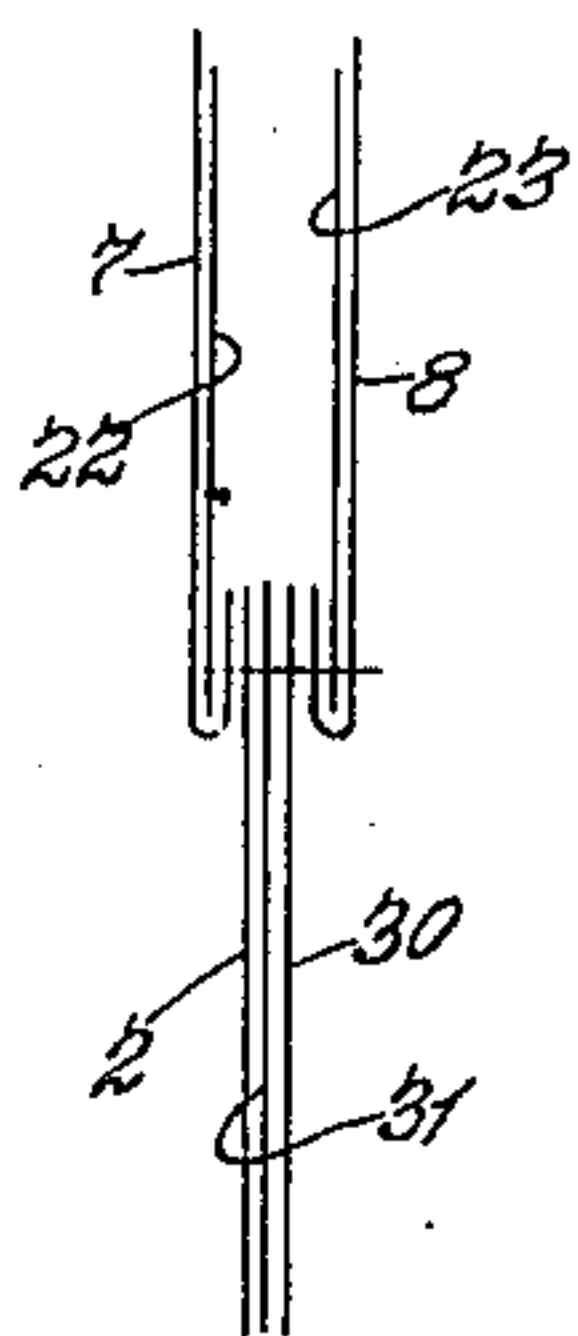


Fig. 12.

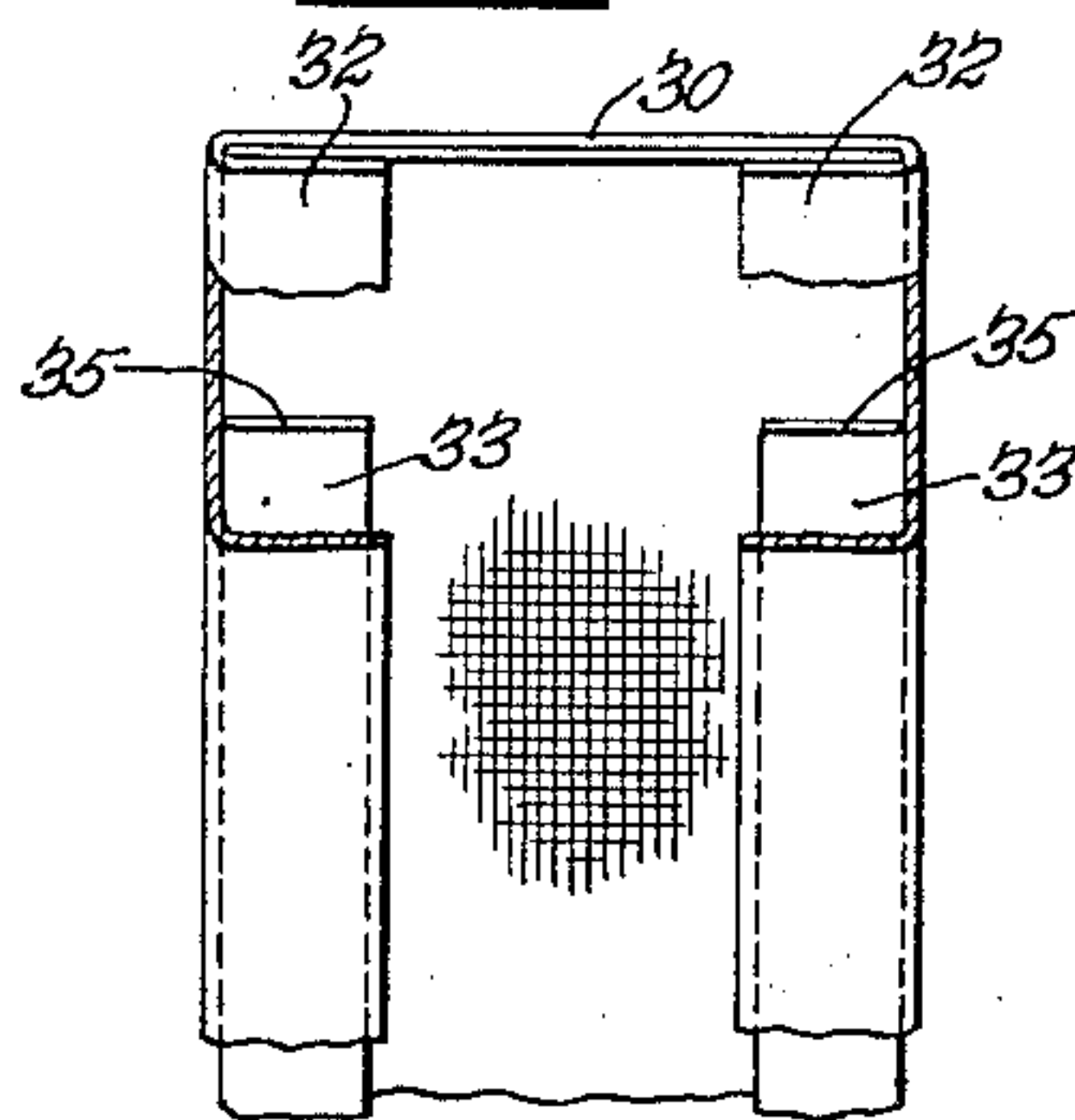
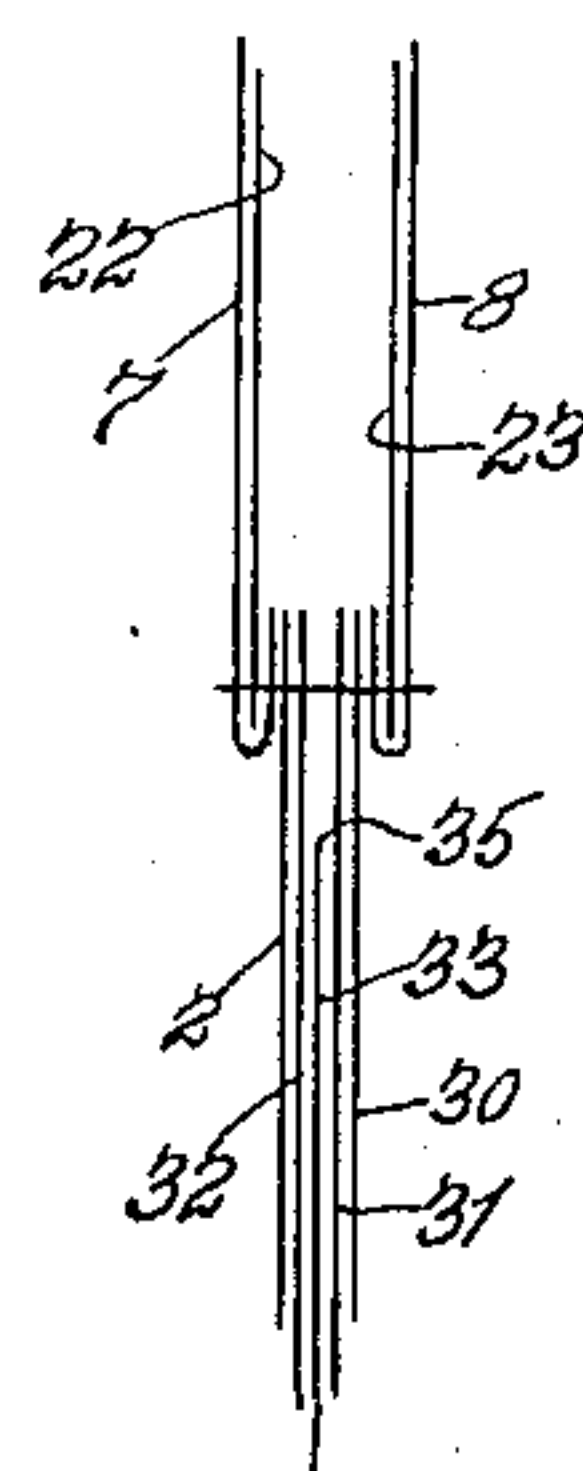


Fig. 13.



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UNITED STATES PATENT OFFICE

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ADJUSTABLE COLLAR BAND FOR SHIRTS

Wilton Rubinstein, Clayton, Mo.

Application June 25, 1934, Serial No. 732,286

3 Claims. (Cl. 2—127)

This invention relates to adjustable collar bands for shirts; and an object of the invention is to provide a shirt with an improved collar band having more than one buttonhole in at least one end portion thereof, and improved means for supporting a removable button in connection with the opposite end portion of the collar band for engagement in any one of said buttonholes.

Another object of the invention is to provide a shirt with an improved collar band embodying the novel elements and features of construction herein disclosed, whereby the collar band may be fastened at different points in order to vary the size of the band and also embodying the construction in which a button may be easily applied and removed.

Other objects will appear from the following description, reference being made to the annexed drawings, in which—

Fig. 1 is a perspective view, with parts broken away, of an attached shirt collar and band embodying the present invention.

Fig. 2 is a detail view showing the manner in which the collar button is held in connection with the band.

Fig. 3 is a diagrammatic sectional view on the line 3—3 of Fig. 1.

Fig. 4 is a diagrammatic sectional view on the line 4—4 of Fig. 1.

Fig. 5 is a perspective view, with parts broken away, showing a variation in the form of the invention.

Fig. 6 is a diagrammatic sectional view on the line 6—6 of Fig. 5.

Fig. 7 is a perspective view, with parts broken away, of another variation of the invention.

Fig. 8 is a diagrammatic sectional view on the line 8—8 of Fig. 7.

Fig. 9 is an enlarged perspective view, with parts broken away, of an attached shirt collar and band showing an embodiment of means for protecting and preventing tearing of the buttonholes and preventing undesired distortion of the collar band.

Fig. 10 is a diagrammatic sectional view on the line 10—10 of Fig. 9.

Fig. 11 is an enlarged diagrammatic sectional view approximately on the line 11—11 of Fig. 9.

Fig. 12 is an enlarged diagrammatic sectional view on the line 12—12 of Fig. 9.

Fig. 13 is a perspective view of the upper end of the center pleat before the same is attached to the shirt, the thickness of the material being exaggerated.

The invention is shown embodied in a shirt

in which the collar 1 is permanently attached to the collar band which is in permanent connection with the shirt body 2.

The shirt is constructed so as to open at the front and has an edge 3 formed with buttonholes 4 and arranged to overlap the edge 5, so that the buttons 6 along the edge 5 may be engaged in and disengaged from the buttonholes 4.

The collar band comprises an inner wall or surface 7 and an outer wall or surface 8. The walls 7 and 8 are attached together and to the shirt body 2 along the lower edges of said walls or surfaces and throughout the length thereof, with the exception that the lower edge of the wall or surface 8 is unattached to the lower edge of the wall or surface 7 and also unattached to the shirt body 2 for a short distance adjacent to that end of the band near the edge 5. As shown in Figs. 1 and 2, the lower edge of the wall or surface 8 is unattached to the shirt and to the wall or surface 7 between the points 9, from which rows of stitches 10 passing through the walls or surfaces 7 and 8 run upwardly and converge near the upper edge of the collar band and near the end of the collar 1. This provides a pocket 11 having an opening 12 at the bottom between the points 9 through which a collar button 13 may be passed into and withdrawn from the pocket.

A button hole 14 is formed through the wall or surface 8 and opens into the pocket 11. The head of the button 13 may be passed outwardly through the buttonhole 14 when the button is placed in the pocket, the base of the button remaining in the pocket while the stem extends through the buttonhole 14. Or, if the base of the button 13 is of less diameter than the length of the buttonhole 14, the base may be passed inwardly through the buttonhole.

The opposite end of the collar band is formed with a buttonhole 15 inclined with respect to the end of the collar button and another buttonhole 16 similarly inclined and formed in overlapping relationship with respect to the buttonhole 15. The button 13 is engageable in either of the buttonholes 15 or 16 optionally and, therefore, this construction constitutes an effective means for varying the size of the collar band, as desired.

The construction shown in Figs. 5 and 6 is the same as that above described, with the exception that two inclined buttonholes 17 and 18 are formed through the wall or surface 8 opening into the pocket 11. The button 13 is engageable in either of the buttonholes 17 or 18, as desired, and

may be engaged in either of the buttonholes 15 or 16. Thus, this construction provides for greater variation in the size of the collar than does the construction shown in the preceding views of the drawings.

In the construction shown in Figs. 7 and 8, the lower edge of the wall or surface 8 is attached to the lower edge of the wall or surface 7 and to the shirt body throughout the length of the collar band, thus omitting the opening 12. However, a pocket 19 is formed between rows of stitches 20 running upwardly from the lower edge to the upper edge of the collar band adjacent to the end thereof in like manner as the rows of stitches 10 in the preceding views of the drawings. A buttonhole 21 opens through the wall or surface 8 into the pocket 19 and is of sufficient size to permit the base of the collar button 13 to be passed therethrough for attachment to or detachment from the collar band. The opposite end of this collar band contains the inclined buttonholes 15 and 16.

My invention comprises means forming part of the collar band and arranged in cooperative relationship with respect to the walls or surfaces 7 and 8 to protect and prevent undesired distortion of the collar band. In the embodiment shown, said means comprises a woven reinforcement 22 attached to the inner side of the wall 7 and a similar woven reinforcement 23 attached to the inner side of the wall 8. The woven reinforcement 23, which is attached to the wall or surface 8, is arranged so that the buttonhole 14 through the wall 8 and said reinforcement 23 is parallel with the longitudinal inelastic threads 24 and crosses and intersects the transverse inelastic threads 25 of said reinforcement. This protects and prevents tearing of the buttonhole 14 and prevents undesired distortion of this end of the collar band.

At the opposite end of the collar band in which the buttonholes 15 and 16 are formed, at least one and preferably both of the reinforcements 22 or 23 are arranged so that the buttonholes are parallel with the inelastic threads 26 and cross and intersect the inelastic threads 27, while said buttonholes 15 and 16 extend diagonally with respect to the threads of the woven walls 7 and 8. The buttonhole stitchings 28 around the buttonholes 15 and 16 pass through the several plies 7, 8, 22, and 23 and the buttonhole stitching 29 around the buttonhole 14 passes through the two plies 8 and 23, thus securing the plies for the respective buttonholes in strengthening and reinforcing relationship.

In the arrangement in Fig. 5, the buttonholes 17 and 18 are also parallel with certain of the inelastic threads of the reinforcement 23 in the relationship of the buttonholes 15 and 16 to the inelastic threads 26 and for a like purpose.

The edge or margin 3 of the shirt body shown comprises a center pleat 30 and a lining 31 therefor. The marginal edges 32 of the center pleat and the marginal edges 33 of the lining are folded toward each other in doubled relationship, as shown in Fig. 10, and are attached to the margin of the shirt body by vertical rows of stitches 34. The upper ends of the lining folds 33 are cut away and removed at the points 35 (Fig. 13), leaving only the four plies, comprising the shirt body 2, the center pleat 30, the infolded marginal edges 32 of said center pleat and the single thickness of the lining 31, extending between and attached to the walls or surfaces 7 and 8 of the collar band, as should be

easily apparent by reference to Fig. 12 of the drawings. Between the folded margins 32, only the three plies of material 2, 30, and 31 extend between and are attached to the walls or surfaces 7 and 8 of the collar band. A purpose of removing or cutting away the upper ends of the infolded marginal edges 33 of the lining 31 is to prevent undue thickness and massing of needless material in connection with the collar band, since the vertical rows of stitches 34, attaching the pleat 30 and the lining 31 to the shirt body 2, form a sufficiently strong and durable connection.

A shirt embodying this invention is more convenient and satisfactory than shirts of usual construction and permits the collar band to be varied as to size within any practicable limits.

I claim:

1. A shirt having detachable edges, a collar band comprising inner and outer wall portions attached together throughout their length along their upper edges and having their lower edges unattached for a distance adjacent to one end portion thereof and attached together and to the upper end of the shirt throughout the remaining portion of their lower edges, woven elements composed of inelastic threads attached to the inner sides of said wall portions respectively, there being a buttonhole through said outer wall portion and through said element attached thereto parallel with said inelastic threads in the attached woven element, rows of stitches running upwardly from the lower edge to the upper edge of the collar band through said outer and inner wall portions and through said elements at opposite sides of said buttonhole, and the opposite end of the collar band having a plurality of buttonholes therethrough inclined with respect to the end of the collar and parallel with inelastic threads of one of said elements and approximately equidistant from the lower edge of the band.

2. A shirt having detachable edges, a collar band comprising inner and outer wall portions stitched together throughout their length along their upper edges and along their ends and having their lower edges unattached for a distance adjacent to one end portion thereof and stitched together and to the upper end of the shirt throughout the remaining portion of their lower edges, a woven element composed of inelastic threads attached to the inner sides of said wall portions respectively, there being a buttonhole through said outer wall portion and through said element parallel with certain of said inelastic threads, and stitches attaching said wall portions and said woven elements at opposite sides of said buttonhole and the opposite end of the collar band having a plurality of buttonholes inclined with respect to the end of the collar and parallel with certain of said inelastic threads and approximately equidistant from the lower edge of the band.

3. A shirt having detachable edges, a collar band comprising inner and outer wall portions stitched together throughout their length along their upper edges and along their ends and having their lower edges unattached for a distance adjacent to one end portion thereof and stitched together and to the upper end of the shirt throughout the remaining portion of their lower edges, a woven element composed of inelastic threads attached to the inner side of said outer wall portion, there being a buttonhole through said outer wall portion and through said element approximately parallel with the lower edge

of the band and parallel with certain of said inelastic threads, an additional woven element attached between said inner and outer wall portions at the opposite end of the collar and composed of inelastic threads certain of which are inclined with respect to the end of the collar, and

a plurality of buttonholes through the opposite end of the collar from said first named buttonhole parallel with said inelastic inclined threads and approximately equidistant from the lower edge of the band.

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