Feb. 28, 1928.

1,660,665

J. ALEKSANDROWICZ

MEANS OF ATTACHING COLLARS TO SHIRTS

Filed March 10, 1927

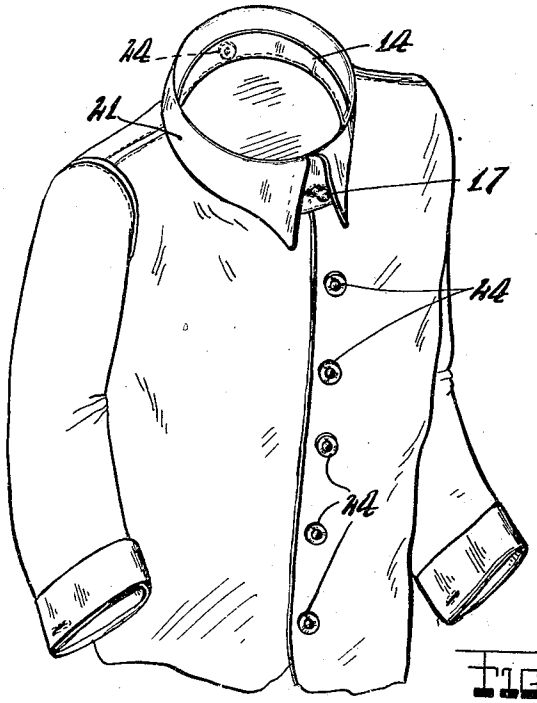


FIG. 1.

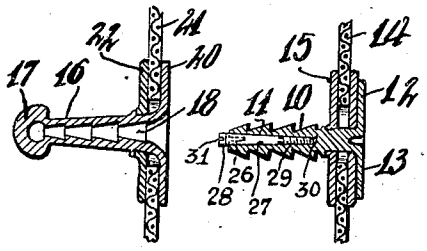


FIG. 2.

FIG. 3.

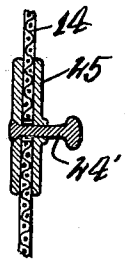


FIG. 4.

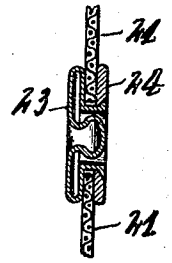


FIG. 5.

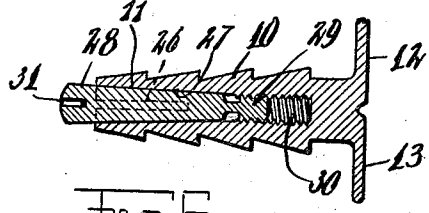


FIG. 6.

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UNITED STATES PATENT OFFICE.

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MEANS OF ATTACHING COLLARS TO SHIRTS.

Application filed March 10, 1927. Serial No. 174,141.

Th's invention relates to a new and useful device in the nature of a shirt button particularly adapted for removably attaching a collar to a shirt and for the purpose of removably attaching the shirt bands of a shirt together.

The object of the invention is to provide a shirt button of simple, novel construction, inexpensive to manufacture and apply.

Fig. 1 is a perspective view of a shirt and collar embodying my improved shirt button.

Fig. 2 is a longitudinal central sectional view of my improved shirt button proper as embodied in the device.

Fig. 3 is a similar view of the coacting stud member proper as embodied therein.

Fig. 4 is a similar view to that shown in Figure 2, illustrating the snap fastener proper as combined with my improved device.

Fig. 5 is a similar view of the coacting snap fastener engaging member as embodied therewith.

Fig. 6 is an enlarged longitudinal central sectional view illustrating details of Fig. 3.

As here embodied my improved shirt button consists of a stud member and coacting button proper. The stud member proper has an extended portion 10 of tapered cylindrical construction, and provided with a plurality of annular grooves 11, preferably slightly undercut. The stud member proper is provided with projecting elements 12 and 13, adapted to be bent or crimped at approximately right angles thereto, as a means of positioning the stud member proper in a shirt band 14, which is provided with an opening or aperture to receive the extended portion 10. The stud member proper being positioned in the said shirt band by abutting the co-acting ring member 15, provided with an axial aperture adapted to receive the extended portion 10. The ring member 15 being crimped to the stud to permanently hold these parts in place.

The shirt button proper comprises an extended portion 16, provided with an enlarged head 17, or extremity. The extended portion 16 is of hollow construction having an axial aperture 18, or cavity, adapted to slidably receive the above mentioned extended portion 10 of the stud member proper. The axial aperture 18 is provided with raised or inwardly protruding portions 19, adapted to engage in the above mentioned annular grooves 11 of the extended portion 10, as a means of removably attaching the stud member proper to the shirt button proper. The extended portion 16 of the shirt button proper is provided with an enlarged element 20. The collar 21 is provided with an aperture or opening adapted to receive the extended portion 16. The shirt button proper is attached to the collar 21 by means of the enlarged element 20, and the co-acting ring member 22, provided with an axial aperture adapted to receive the extended portion 16. The ring member 22 being crimped thereto.

The above described construction is such as will permit the stud and button proper to engage each other. The extended portion 16 may be inserted through an aperture in the free extremity of a collar band, and slidably engageable in the axial aperture 18 as a means of attaching the collar 21 to the shirt band is the extended portion 10 of the stud member. It should be understood that the free extremity of the collar 21 is provided with an aperture or opening adapted to be engaged by the enlarged head 17, as a means of attaching the collar to the shirt band.

In Figure 5, I have shown the socket member 23 of a snap fastener attached to the rear of the collar 21 by means of the ball member 24 provided with an axial aperture adapted to receive the socket member 23, which is crimped thereto.

The ball member 24 which is the coacting part of the snap fastener is attached to the rear of the shirt band 14, by means of a ring member 25, provided with an axial aperture adapted to receive the ball member 24, which is crimped thereto. The ball member 24 is adapted to engage in the socket member 23 as a means of removably attaching the collar 21 at the rear thereof to the rear of the shirt band 14. It should be understood that similar ball and socket members 24 and 23 may be employed to removably attach the shirt bands together, as shown in Figure 1.

In Figure 6 of the accompanying drawing, I have shown an enlarged detail of the above mentioned extended portion 10 of the stud member proper which is provided with a longitudinal elongated slot 26, and has a tapered aperture or recess, adapted to receive a similar shaped portion 27 of the expansion member 28. The above mentioned tapered aperture is provided with a lower threaded recess 29, adapted to receive the threaded extremity 30 of the expansion

member 28. The expansion member 28 is provided with a slot 31, adapted to receive a coin, pin, or the like, as a means of threadedly attaching the expansion member 28 in the expanded portion 10 of the stud member proper, so as to expand the said extended portion so as to insure the engagement of the extended portion 10, in the above mentioned axial recess 18 of the shirt button proper. Attention is directed that after continued use the stud member 10 becomes too loose in the aperture 18, then advantage may be taken of the adjustable feature of the stud 10. The member 28 is screwed slightly inwards to increase the acting size of the stud.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent of the United States is as follows:

1. The combination with a shirt button proper having an irregular axial aperture, of a stud member proper provided with an extended portion tapered and formed with a plurality of annular grooves so as to be engageable with the said irregular axial aperture, said extended portion being formed with a longitudinally elongated slot, and with a tapered aperture provided with a lower threaded recess, and an expansion member engaged in the tapered aperture, said expansion member having a threaded extremity engaging the said lower threaded recess.

2. The combination with a shirt button proper having an irregular axial aperture, of a stud member proper provided with an extended portion, engageable with the said irregular axial aperture, said extended portion being formed with a longitudinally elongated slot, and with a tapered aperture provided with a lower threaded recess, and an expansion member engaged in the tapered aperture, said expansion member having a threaded extremity engaging the said lower threaded recess.

In testimony whereof I have affixed my signature.

JOZEF ALEKSANDROWICZ.