

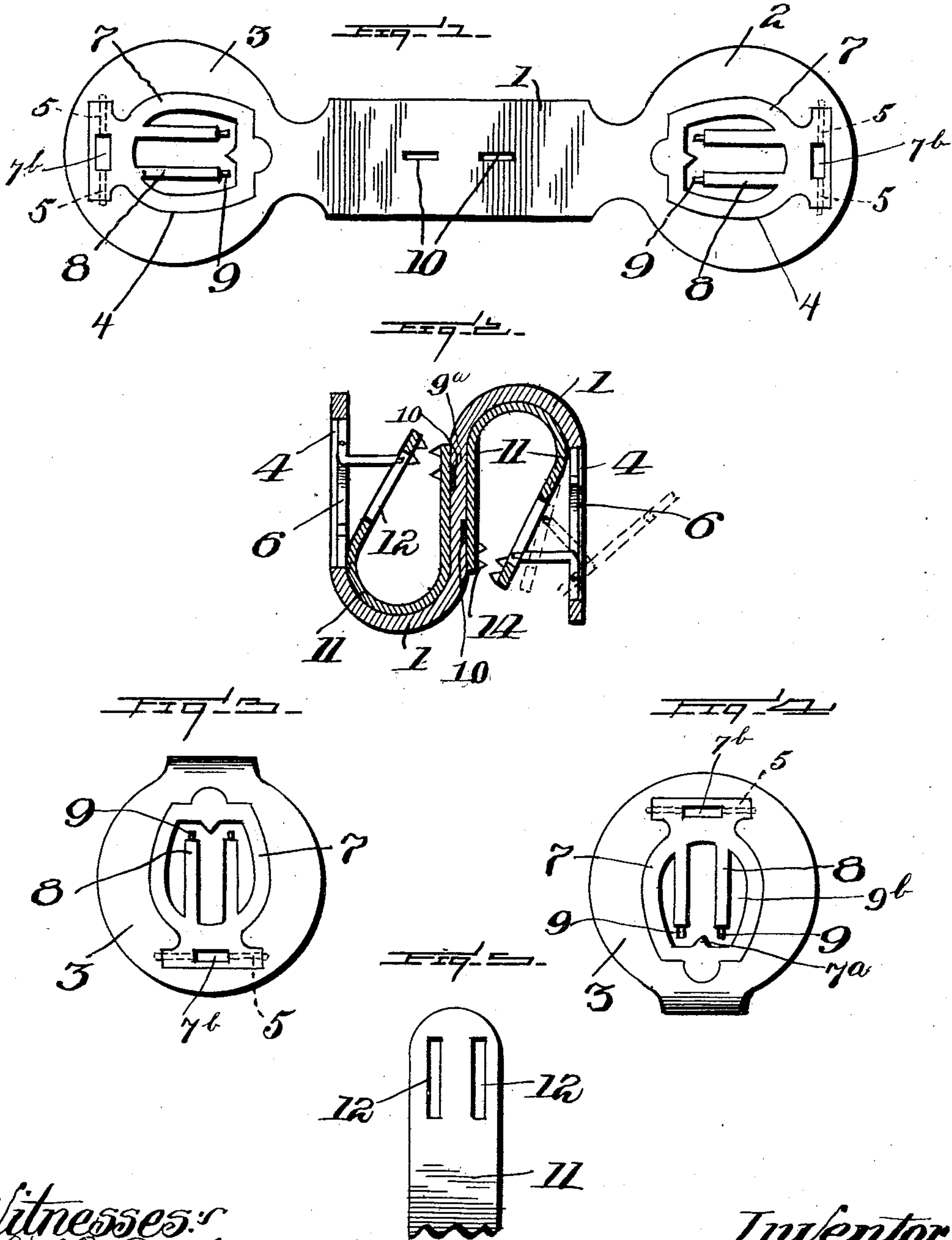
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W. FERGUSON.
COLLAR AND NECKTIE FASTENER.

(Application filed Feb. 13, 1902.)

(No Model.)



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UNITED STATES PATENT OFFICE.

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COLLAR AND NECKTIE FASTENER.

SPECIFICATION forming part of Letters Patent No. 713,418, dated November 11, 1902.

Application filed February 13, 1902. Serial No. 93,822. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FERGUSON, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Collar and Necktie Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in collar and necktie fasteners and the like, and has for its object the provision of novel means whereby a collar may be secured to the neckband of a shirt
15 and may also be employed to retain a tie in position.

A further object of the present invention is to construct a simple device that may be employed for retaining nether garments in
20 proper position and securing the same to the trousers.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be herein-
25 after more fully described, and specifically pointed out in the claims.

Figure 1 is a plan view of the blank from which my improved fastener is formed. Fig. 2 is a vertical sectional view showing the
30 blank bent in proper position and representing the levers in locked position. Figs. 3 and 4 are plan views of the ends of the fastener, showing the position of the springs before the same are bent inwardly. Fig. 5 is a frag-
35 mentary view of one end of one of the U-shaped springs.

In the drawings, and more particularly Fig. 2, the reference-numeral 1 represents the body portion of the clamp, which is bent in an S
40 shape, forming the vertically-arranged enlarged circular ends 2 and 3, said ends being provided with substantially oval-shaped openings 4, in which are pivotally secured by pins 5 the L-shaped levers 6. These levers 6 carry
45 on their front faces the substantially oval heads 7, said heads being provided with substantially oval-shaped openings 9^b. These heads are adapted to lie within the oval openings 4 when in locked position, whereby chaf-
50 ing of the neck is avoided. Prongs 8 are formed integral with the heads 7 and, as

shown in Fig. 1, are spaced apart on the periphery of the oval openings thereof adjacent the pivoted ends of the heads. At the opposite ends of the said openings of the heads 7
55 are provided integral triangular portions 7^a. The openings of the oval-shaped heads permit of the insertion of the finger-nail or some small instrument to engage the portions 7^a in order to swing the heads outwardly to dis-
60 engage the prongs 8, as will be apparent. The prongs 8 are bent inward at right angles to their respective heads, and thereby forming the L-shaped levers. These prongs are at their inner ends reduced in thickness to
65 form projections 9. The vertical portion 9^a, arranged intermediate the ends 2 and 3 of the body portion 1, has formed on its opposite faces recesses 10, adapted to receive fasten-
70 ing means for the U-shaped springs 11, one of which when arranged in position is inverted and operates in the opposite direction to its companion spring. These U-shaped springs
75 have their inner free ends formed with barbs 14 and their outer ends each formed with a pair of longitudinally-arranged narrow slots 12, in which the projections 9 of the prongs 8 ride. By this arrangement of the springs
80 their free ends form clamping-jaws, between which the neckband is inserted in one of said springs and the free ends of the collar clamped in the other of said springs 11. The springs
85 11 are under tension, as shown in Fig. 2 of the drawings, and when the L-shaped levers are swung outwardly the U-shaped springs will be permitted to open, and thereby unfastening the collar and permitting the clamp to be easily removed.

In order that the pins 5 can be readily inserted in position, I form the heads 7 with
90 small rectangular apertures 7^b. In operation the pins are first placed in these openings and then inserted into their elongated respective openings arranged on each side thereof, as is clearly illustrated.

95 From the foregoing description it will be apparent that the heads 7 and the frame 1 are stamped from the metal blank separately, after which the said heads are pivotally secured in the respective end openings of the frame by pins 5.

For the purpose of better illustrating the

position of the L-shaped levers when the same are swung outwardly I have in Fig. 2 shown the position of one of the levers in dotted lines.

Having thus fully described my invention,
5 I claim—

1. In a device of the character described, the combination with an S-shaped body portion, the ends thereof being enlarged and provided with openings, of a head pivotally mounted
10 in each of the said openings, said heads each being formed with an elongated opening at one end of which is provided an approximately triangular projection, a pair of prongs formed integral with the opposite edge of each
15 of the said elongated openings and bent inward at right angles thereto, said prongs having their inner ends reduced in thickness to form projections, and U-shaped springs, each having their inner ends secured to the intermediate portion of the S-shaped portion, and
20 provided in its outer portion with a pair of longitudinal slots for receiving the reduced end portions of the said prongs, substantially as described.
2. In a device of the character described, the combination with an S-shaped body portion, having its ends each formed with an oval-shaped opening, and its intermediate vertically-arranged portion formed on its opposite
25 faces with recesses, of U-shaped springs arranged between the said ends and having their inner ends secured in the recesses of the said intermediate portion, and L-shaped

levers, comprising heads pivotally mounted in the said openings of the ends of the said
35 body portion, said levers provided with openings in which project at one of their ends triangular portions, and at the opposite ends of the said openings, integral prongs, said prongs being bent at right angles to their respective
40 heads and engaging the outer ends of the said springs.

3. In a device of the character described, the combination with an S-shaped body portion, having enlarged circular ends formed with
45 approximately oval-shaped openings, of U-shaped springs arranged between the said ends and having their inner ends secured to the intermediate portion of the S-shaped body portion, said springs having their outer
50 ends each provided with a pair of parallel longitudinally-arranged slots, and a lever pivotally mounted in each of the said oval-shaped openings, said levers each comprising
55 an approximately oval head formed with an opening, triangular portions extending into said openings and a pair of prongs having their inner ends received in the slots of the said springs, substantially as described.

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

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