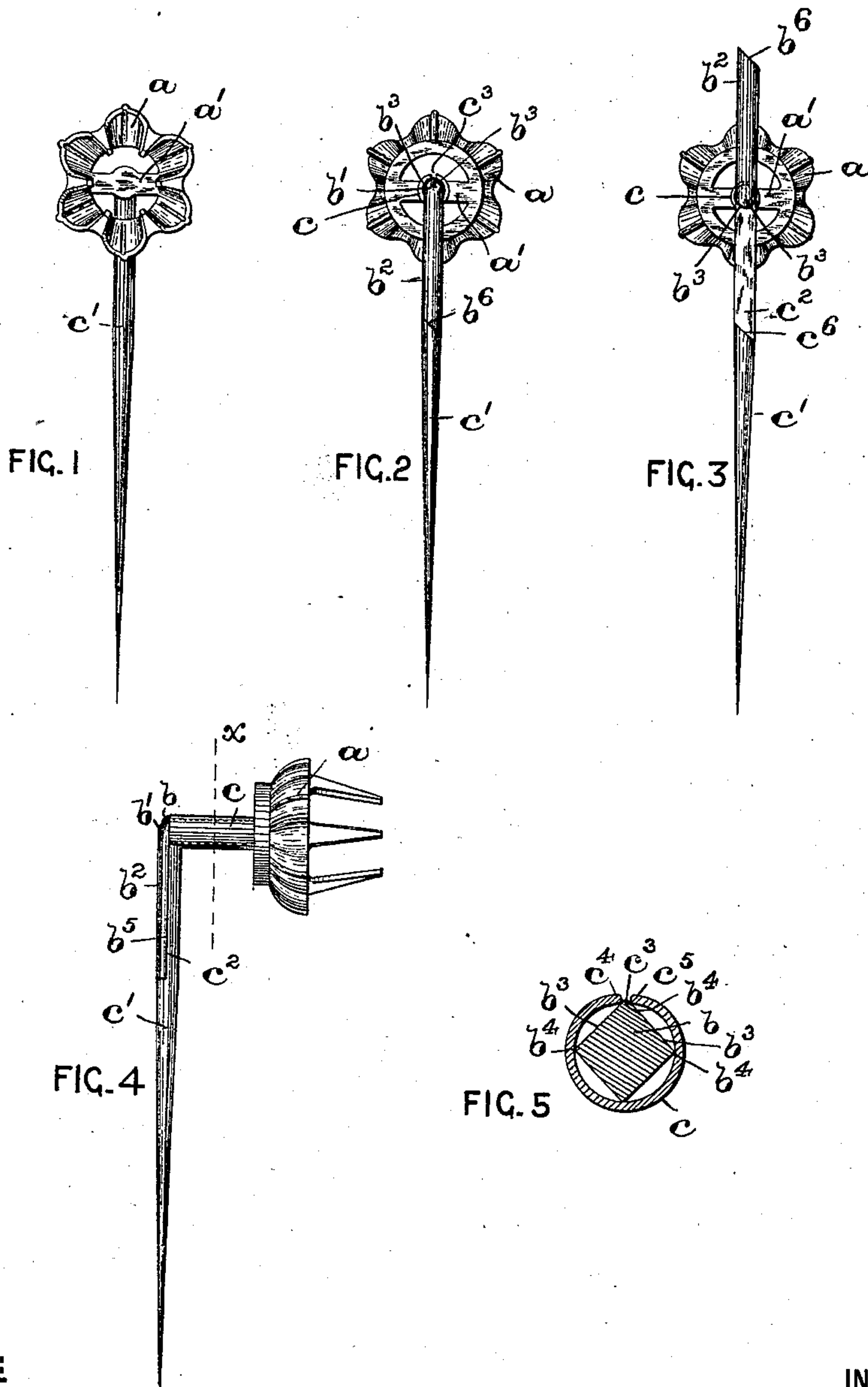


(No Model.)

C. A. FAUTZ.  
SHIRT STUD.

No. 548,749.

Patented Oct. 29, 1895.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## SHIRT-STUD.

SPECIFICATION forming part of Letters Patent No. 548,749, dated October 29, 1895.

Application filed June 10, 1895. Serial No. 552,224. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. FAUTZ, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shirt-Studs or the Like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to a novel form of fastening for shirt-studs, scarf-pins, or other like ornamental articles of wear; and the invention has for its primary object to provide a simple and at the same time an effective fastening for this class of jewelry, whereby the same can be securely retained in position in the hole in the shirt-front or other garment to prevent its displacement, and which can be easily manipulated to remove the ornament therefrom without injury to the piece of jewelry or to the shirt-front or other garment.

The invention therefore consists in the novel construction of shirt-stud or other like article as an improved article of manufacture, and also in the novel arrangement and combination of parts to be hereinafter fully described, and finally embodied in the clauses of the claim.

The invention is illustrated in the accompanying sheet of drawings, in which similar letters of reference are employed in the several views to indicate corresponding parts.

Figure 1 is a front view, and Fig. 2 a back view, of my novel form of shirt stud or pin, showing the fastening device connected therewith, of a construction embodying the principles of my invention, and the several parts of said device being represented in their closed relation to each other previous to removing the stud from the shirt-front or before it is inserted in the stud-hole. Fig. 3 is a back view of the device with the separable parts thereof illustrated in their open and operated positions after the stud has been inserted through the stud-hole and has been secured in the shirt-front, and Fig. 4 is a side

view of the device with the several parts in their closed relation to each other. Fig. 5 is a cross-section of the parts taken on line  $x$  in Fig. 4, said section being on an enlarged scale to more clearly illustrate the operation of the angular shank in the slitted post of the several parts comprised in my novel construction of shirt-stud or scarf-pin.

In said views,  $a$  indicates the setting for the precious stone or other ornamental portion of the article of jewelry, which may be of any shape or design, as will be clearly evident. To the back of said ornamental portion  $a$ , in this case a cross-bar  $a'$ , is secured a shank  $b$ , which is bent, as at  $b'$ , at a right angle, or approximately so, to form an arm  $b^2$ , as clearly illustrated in Figs. 2, 3, and 4. Said shank  $b$  is flattened on two or more sides, as at  $b^3$ , (see Fig. 5,) whereby the shank is provided with any desirable number of sharp or angular projections  $b^4$ , the purposes of which will be more fully described hereinafter. On the said shank and between the said bent portion or arm  $b^2$  and the back of the ornamental portion  $a$ , I have loosely arranged a tubular post  $c$ , which is provided at the one end thereof with a downwardly-extending pin or tine  $c'$ , having a flattened portion  $c^2$ , on which the flattened portion  $b^5$  of the arm  $b^2$  slides and fits when the said parts are in their closed relation to each other to permit the said pin and its tubular post and the shank  $b$  to be inserted through the material or through the stud-hole in the shirt-front, and to bring the several parts of the stud into their operative positions to retain the article or ornament in position on the bosom of the shirt or such other garment on which it is worn, as will be clearly understood.

In order that the arm  $b^2$  of the shank  $b$  may be held in a locked position on the flattened portion  $c^2$  of the tine or pin  $c'$  to permit the insertion of these parts through the stud-hole or to lock said parts in the positions illustrated in Fig. 3 after said parts have been inserted through the buttonhole or stud-hole, I have provided the tubular post  $c$  at any suitable point in its cylindrical surface with a slit  $c^3$ , as clearly shown in Fig. 5, whereby the edges  $c^4$  and  $c^5$  are formed on said post  $c$ , adjoining the said slit  $c^3$ , and which act in the manner of springs and hold the corner  $b^4$  of



the shank  $b$  in locked engagement when the arm  $b^2$  has been closed down upon the pin or tine  $c'$  or when the parts have been operated in the manner hereinabove described. From an inspection of said Fig. 5 it will be seen that said shank  $b$  may be provided with any desirable number of angular projections or corners adapted to be brought into holding or locked engagement with the slit  $c^3$  in the tubular post  $c$ , and hence the arm  $b^2$  on the said shank can be made to be turned and held at any angle to the longitudinal axis of the said tine or pin  $c'$ .

As shown more especially in Figs. 2 and 3, the pin or tine  $c'$  may be formed with an upwardly-inclining part or portion  $c^6$  at the end of the flattened part  $c^2$ , and the arm  $b^2$  connected with the shank  $b$  may be provided with a correspondingly-formed but downwardly-inclining part  $b^6$ , said parts being adapted to be brought together and forming a stop to retain said arm  $b^2$  in position directly in line with the longitudinal axis of the said pin or tine  $c'$ , as clearly illustrated in Fig. 2. This arrangement, however, of said upwardly and downwardly inclining portions is not essential to the successful working of the several parts of the device and they may therefore be dispensed with, if so desired.

Of course it will be evident that certain changes may be made in the details of the arrangement and construction of the several parts without departing from the scope of my present invention, and hence I do not wish to be understood as limiting my present invention to the exact arrangement and combination of parts herein shown.

Having thus described my invention, what I claim is—

1. An article of jewelry or the like, comprising therein, an ornamental portion, a pin or tine, a tubular post extending therefrom and having a slit therein, and a shank rota-

tively arranged in said post, and means on said shank adapted to engage with said slit in said post to hold the shank in certain positions, and said shank being secured at one end to said ornamental portion and having an arm at its opposite end, projecting at a right angle therefrom, or approximately so, substantially as and for the purposes set forth.

2. An article of jewelry, or the like, comprising therein, an ornamental portion, a pin or tine  $c'$ , having a flattened portion  $c^2$ , a tubular post at the top of said pin or tine  $c'$ , having a slit  $c^3$  therein, and a shank rotatively arranged in said post and having angular portions or corners adapted to be brought into holding or locking engagement with said slit in said post, and said shank having at its opposite end an arm projecting therefrom at a right angle, or approximately so, having a flattened surface, substantially as and for the purpose set forth.

3. An article of jewelry, or the like, comprising therein, an ornamental portion, a pin or tine, having a flattened portion  $c^2$ , and an upwardly inclining part  $c^6$  thereon, forming a stop, a tubular post at the top of said pin or tine, having a slit  $c^3$  therein, and a shank rotatively arranged in said post, having angular portions or corners adapted to be brought into holding or locking engagement with said slit in said post, and said shank having at its opposite end an arm projecting therefrom at a right angle, or approximately so, having a flattened surface and a downwardly inclining part  $b^6$  adapted to be brought against said upwardly inclining part  $c^6$ , substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 8th day of June, 1895.

CHARLES A. FAUTZ.

Witnesses:

FREDK. C. FRAENTZEL,  
WM. H. CAMFIELD, Jr.