

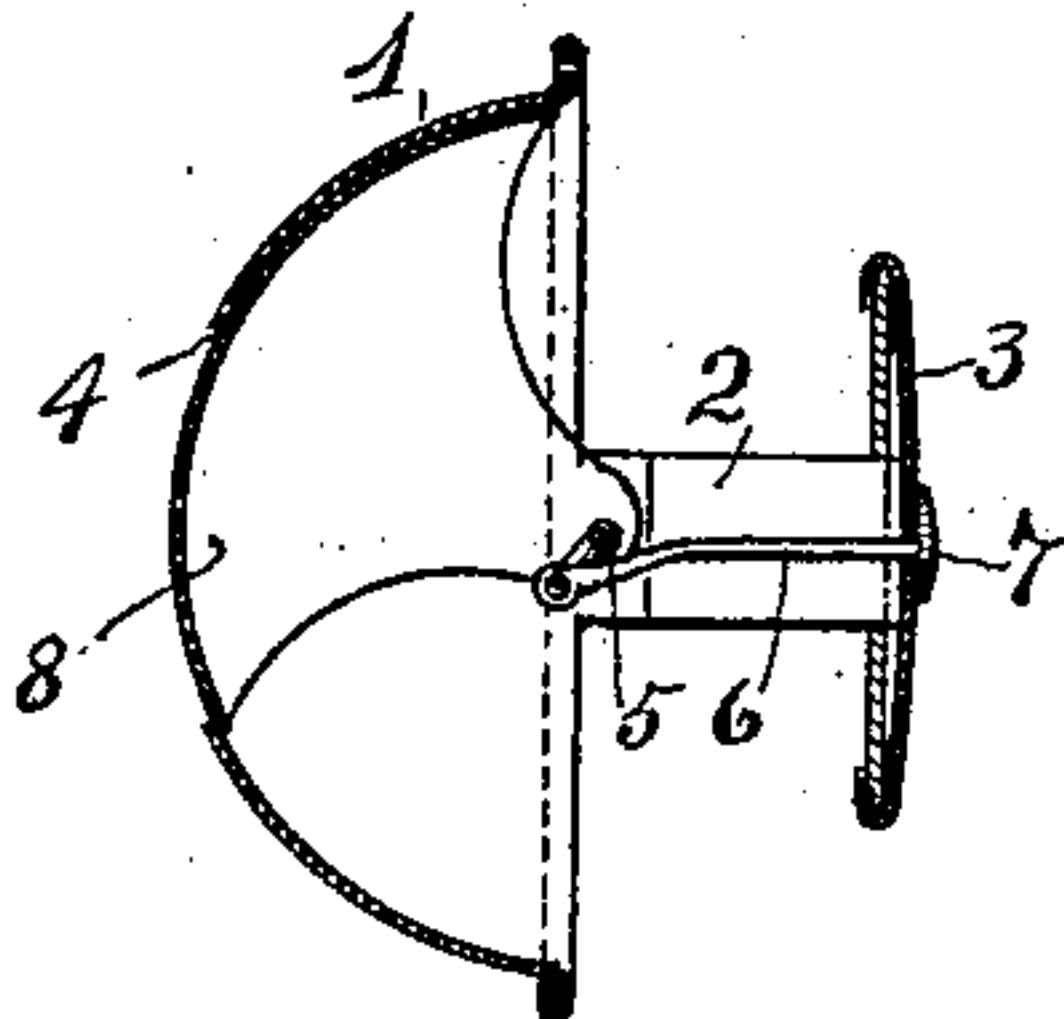
No. 689,669.

Patented Dec. 24, 1901.

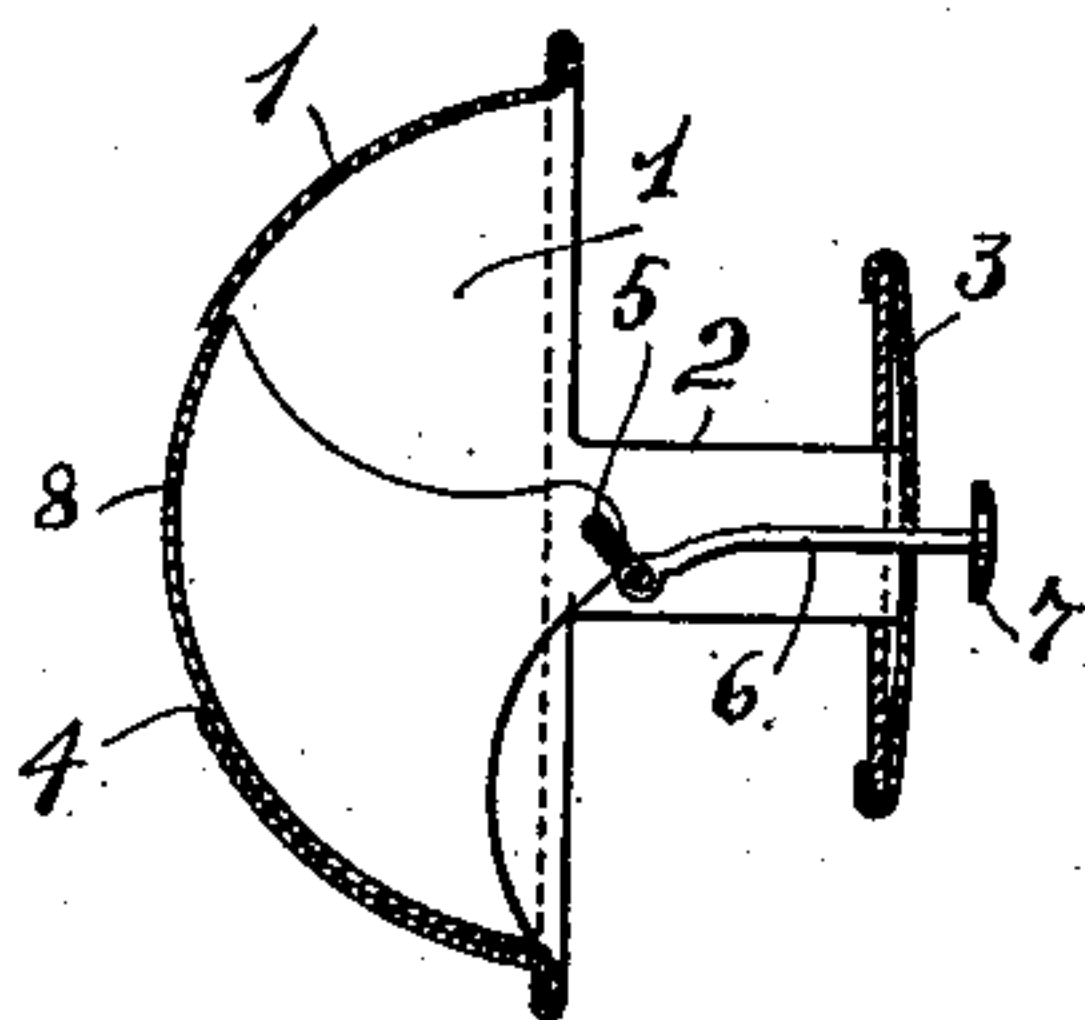
J. DERUS.  
ORNAMENTAL BUTTON.  
(Application filed May 31, 1901.)

(No Model.)

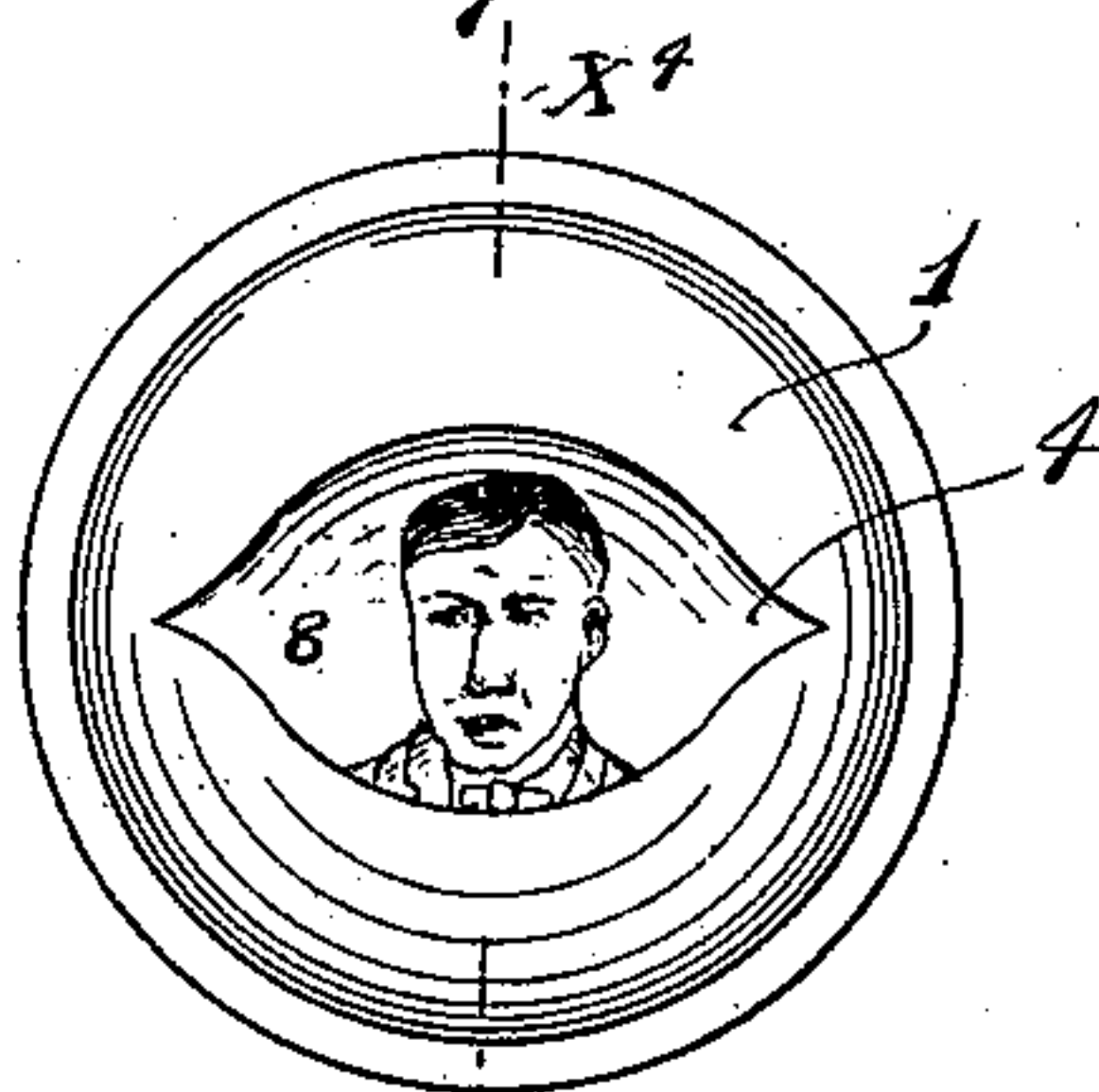
*Fig. 4.*



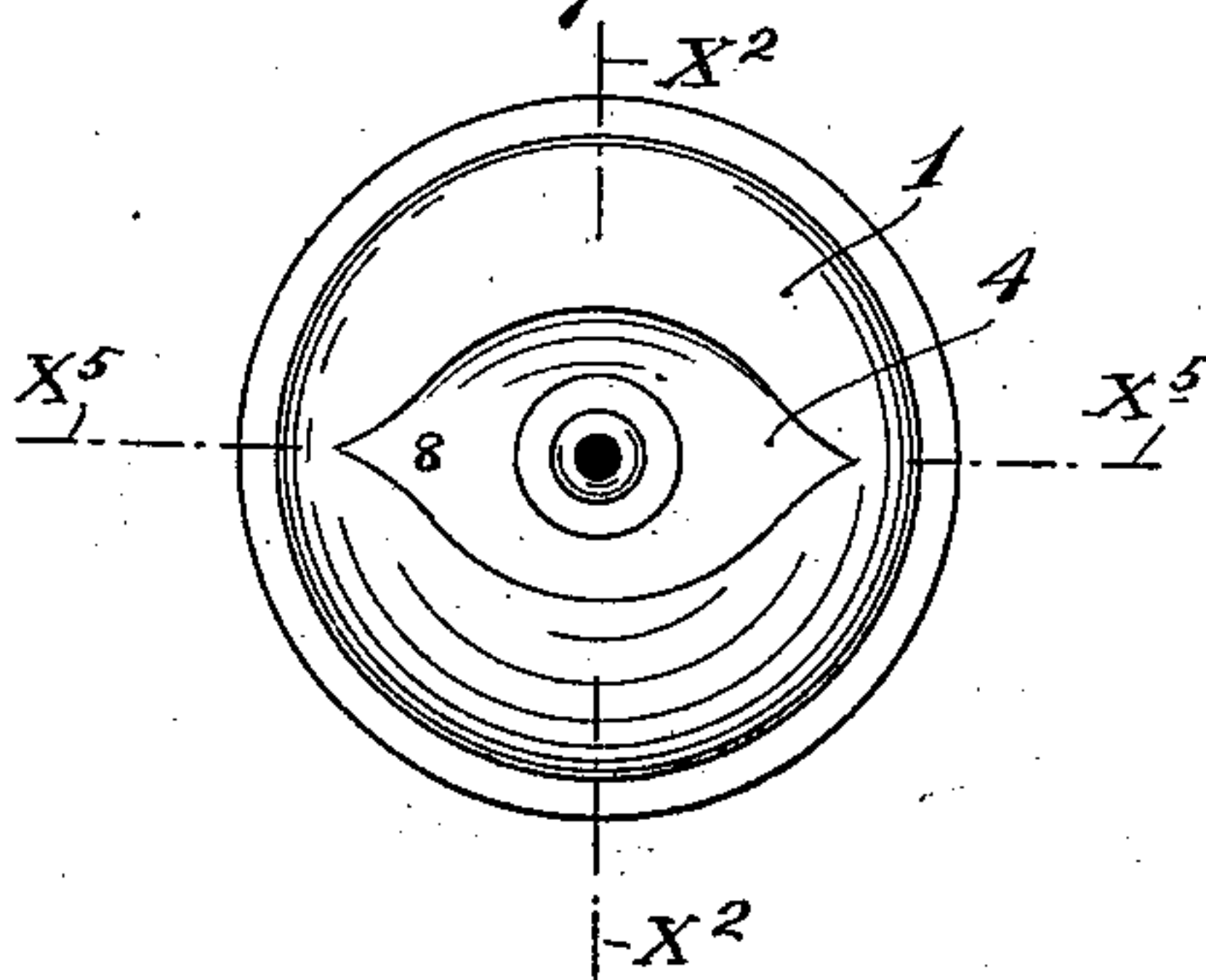
*Fig. 2.*



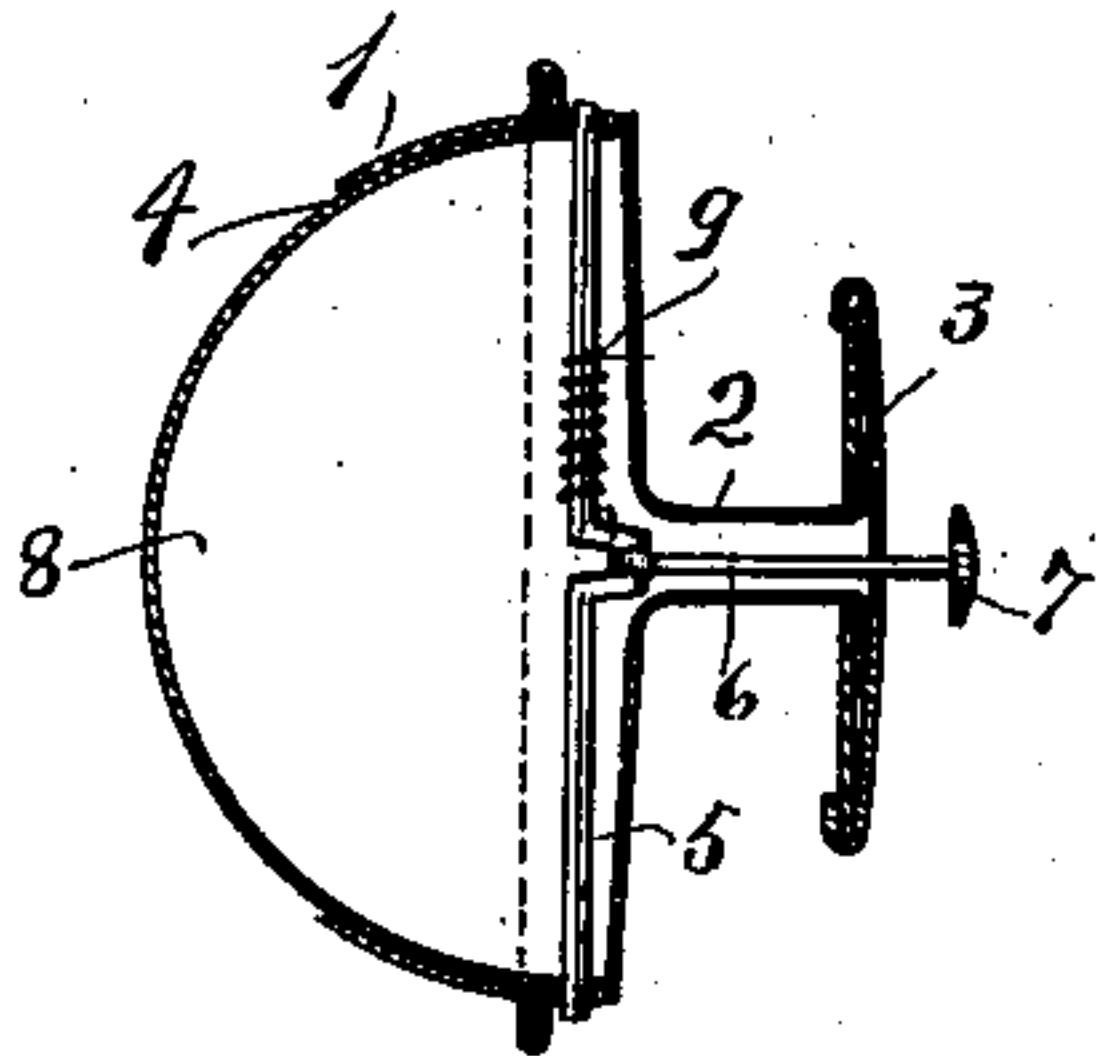
*Fig. 3.*



*Fig. 1.*



*Fig. 5.*



*Witnesses.*

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*Inventor.*  
*John Derus.*  
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# UNITED STATES PATENT OFFICE.

JOHN DERUS, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-THIRD TO  
CHARLES M. VOLLENDER, OF MINNEAPOLIS, MINNESOTA.

## ORNAMENTAL BUTTON.

SPECIFICATION forming part of Letters Patent No. 689,669, dated December 24, 1901.

Application filed May 31, 1901. Serial No. 62,537. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN DERUS, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Ornamental Buttons; 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.

My present invention relates to badges or ornamental buttons adapted to be worn on the lapel of a gentleman's garment or to be otherwise secured to other garments; and it has for its object to provide certain improvements whereby a picture, character, or emblem, which is usually hidden, may be suddenly exposed to view.

The invention consists of the novel devices and combination of devices hereinafter described, and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a view in front elevation showing, on an enlarged scale, a button designed in accordance with my invention. Fig. 2 is a section on the line  $x^2 x^2$  of Fig. 1. Fig. 3 is a view corresponding to Fig. 1, but illustrating the different positions of the parts. Fig. 4 is a section on the line  $x^4 x^4$  of Fig. 3, and Fig. 5 is a section on the line  $x^5 x^5$  of Fig. 1.

As preferably constructed the body of the button is made up of a hollow semispherical head 1, a bifurcated or hollow stem 2, and a button or inner head 3. The exposed outer surface of the semispherical body 1 is cut away, as shown at 4, to leave an opening which has very much the appearance of an opened eye. A small crank-shaft 5 is loosely mounted transversely of and in the sides of the body 1, with its crank portions centrally located and pivotally connected to the inner end of a small plunger 6, which works outward through the button 3 and is provided with a head 7.

A vibrating shutter 8, which has the form of a segment of a sphere, works freely but closely within the semispherical surface of the body or head 1. The contracted sides of

this shutter 8 are rigidly secured to the ends of the crank-shaft 5. A light coiled spring 9, which, as shown, is wound on a crank-shaft 5 and is secured thereto at one end and to the base portion of the head 1 at its other end, yieldingly holds said shutter 8, crank-shaft 5, and stem 6 in the positions indicated in Figs. 1, 2, and 3. By pressing on the head 7 of the plunger 6 the vibrating shutter 8 may be easily thrown into the position indicated in Figs. 3 and 4, and when the pressure is removed from the said head the parts will, under the action of the spring 9, quickly fly back to their normal positions.

On the outer surface of the shutter 8 two different characters are marked, one of which will be exposed to view when the shutter is in its normal position and another of which will be exposed to view when the shutter is moved into the position indicated in Figs. 3 and 4. In the drawings the said shutter is shown as provided with one character, which when presented to view, as in Fig. 1, gives the appearance of an eye looking through the opening 4. It is also shown as provided with the picture of a person, which will be exposed to view through the opening 4 when the shutter is removed from its normal position, as already indicated. In some cases it may be desirable to leave blank that portion of the shutter 8 which is normally exposed to view.

When the button is applied to the button-hole in the lapel of the coat, the thumb may be easily slipped behind the lapel and under the head 7 of the plunger 6, so that the device may be manipulated without disclosing the way in which the movements of the shutter are accomplished.

It is important to note that the shutter may be operated by pressure applied directly in line with the common axes of the head 1, button 3, and stem 2. Hence when the device is applied to the lapel of a coat the shutter may be operated either by pressing the head 7 of the stem 6 directly forward or by pressing the head 1 directly rearward.

The device is of course capable of considerable modification within the scope of my invention. The badge itself may take various forms, and different devices may be used for operating the shutter or vibrating part



which exposes to view a normally hidden object, image, figure, or character.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

- 5 1. In a device of the character described, the combination with a rigidly-connected hollow head, stem and button, said head having an opening in its exposed face, of a segmental shutter working within said head and provided with one or more images, a spring yield-  
10 ingly holding said shutter in one extreme position, and a device for moving said shutter into its other extreme position by pressure applied in the direction of the common axes  
15 of said head, stem and button, involving a finger-piece or plunger working through said stem and button and movable axially thereof, substantially as described.

- 20 2. The combination with the rigidly-connected hollow head 1, stem 2 and button 3, said head having the opening 4, of the segmental shutter 8 movable within said head 1

and having one or more images marked thereon, the crank-shaft 5 to which said shutter is secured, pivotally connecting said shutter to  
25 said head, the operating plunger or finger-piece 6 connected to the crank of said crank-shaft and working axially outward through  
said stem 2 and button 3, and provided at its outer end with the head 7, and the spring *g*  
30 connected at one end to said crank-shaft and at its other end to said head 1, which shutter is adapted to be moved against the tension of  
said spring, by pressure applied to said plunger 6 in the direction of the common axes of  
35 said head 1, stem 2 and button 3, substantially as described.

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

JOHN DERUS.

Witnesses:

ELIZABETH KELIHER,  
F. D. MERCHANT.