Dec. 16, 1924. 1,519,362

C. L. CRUVER

BADGE OR BUTTON

Filed April 10, 1924

Fig. 1.

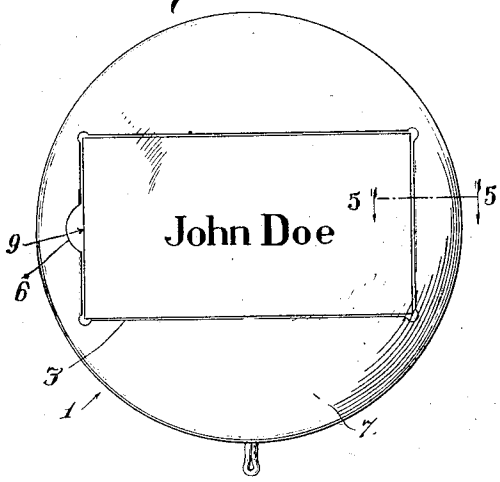


Fig. 2.

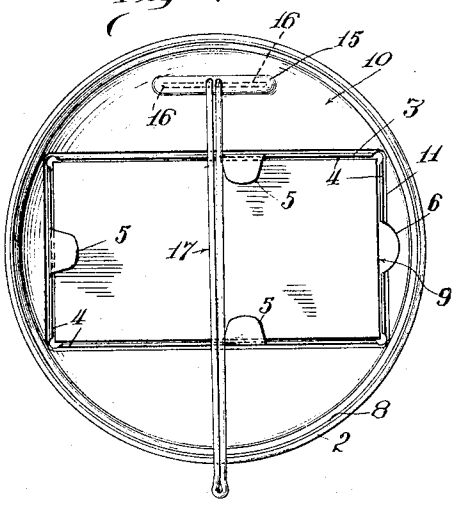


Fig. 3.

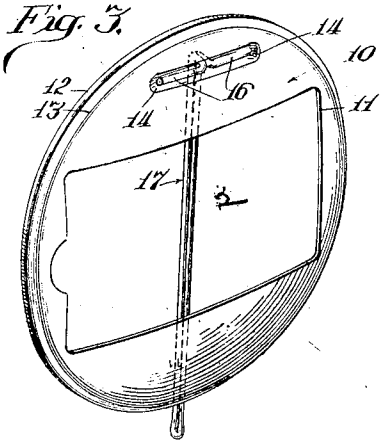


Fig. 4.

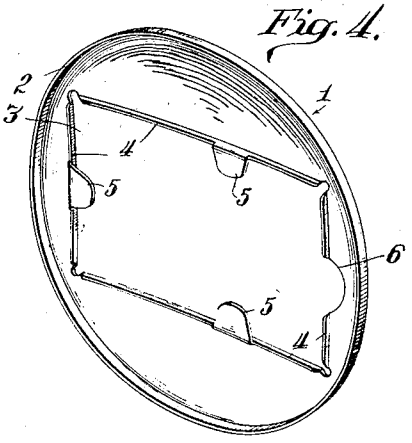


Fig. 5.

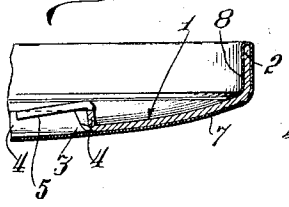


Fig. 6.

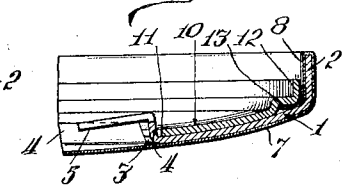
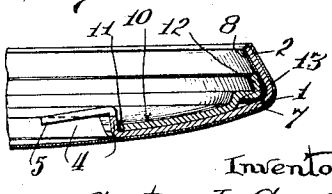


Fig. 7.



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UNITED STATES PATENT OFFICE.

CURTIS L. CRUVER, OF OAK PARK, ILLINOIS.

BADGE OR BUTTON.

Application filed April 10, 1924. Serial No. 705,450.

To all whom it may concern:

Be it known that I, CURTIS L. CRUVER, a citizen of the United States, and a resident of Oak Park, Cook County, Illinois, have invented certain new and useful Improvements in and for Badges or Buttons, of which the following is a specification.

This invention relates to improvements in badges and particularly the type of badge or button which is used for identification purposes by laborers, mechanics, etc., and has for its particular object to provide a device of this character which includes a removable or interchangeable card or the like, and means for retaining the same, and which is very simple, durable and cheap.

Another object of the invention is to provide a device of the character set forth which is equipped with efficient means for detachably mounting the same on an article of clothing and wherein said last-named means does not interfere with the insertion and removal of the aforesaid identification card.

Other objects of the invention will be understood from the following specification.

The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein:

Fig. 1 is a front elevation of a badge or button constructed in accordance with the invention.

Fig. 2 is a rear elevation of the same.

Fig. 3 is a perspective view of the inner member of the device.

Fig. 4 is a perspective view of the outer member of the device.

Figs. 5, 6 and 7 are fragmentary sectional views on the line 5—5 of Fig. 1, illustrative of progressive steps in effecting assembly of the device.

The badge or button includes an outer dished sheet-metal disk 1 which, generally, is circular, though it may be of any other desired shape or contour. Said disk 1 is provided with a peripheral flange 2 projecting from its concave face. It is also provided with a central opening 3 which, in the instance illustrated is oblong, but may be of any other desired shape. This opening 3 is bordered by a very shallow flange 4 from the outer or free edges of three of which tongues 5 extend inwardly. A thumb-notch or recess 6 is provided at one end of the opening 3, the flange 4 bordering the opening 3 at this end being discontinuous.

A sheet or disk 7, of transparent celluloid, covers the convex or other face of the disk 1, the peripheral edge-portion 8 of said disk 7 being turned over to enfold or embrace the peripheral flange 2 of said disk 1 to thereby firmly secure the same to the latter.

The disk 1 may have a lithographed or otherwise ornamented or imprinted convex face, or the inner surface of the disk 7 may bear printing or other ornamentation, or, as is common in the art, a printed, lithographed or otherwise ornamented sheet of paper may be interposed between the disks 1 and 7, as desired, it being necessary only that such paper sheet or printed surface of the disk 7 shall not project over the opening 3 in the disk 1 to more than such an extent as may be permitted by the matter on an inserted card which it is desired to render visible from the outer or exposed surface of said disk 7. The card 9 corresponding, substantially, in shape and size with the opening 3, being adapted to be received and held in place in the latter between the disk 7 and the tongues 5, as indicated in Figs. 1 and 2.

The flange 2 of the disk 1 is primarily practically cylindrical and the celluloid disk 7 and its flange 8 are mounted in place while said flange 2 retains this form. Thereafter a second metal disk 10 dished to correspond in shape with the disk 1 and having a central opening 11 corresponding in shape with the opening 3, but sufficiently large to receive the flanges 4 bordering the opening 3, is then mounted in the disk 1 as shown in Figs. 2 and 6, with its convex face opposing the concave face of the disk 1. The disk 10 is provided with a peripheral flange 12, the outer dimensions of which are as much smaller than the inner dimensions of the flange 2 as to allow for the inturned portion of the flange 8 of the celluloid disk 7 to be received between the flanges 2 and 12. Immediately inwardly of said flange 12, the disk 10 is provided with a peripheral groove 13 in which the extreme edge-portion of the flange 8 of the disk 7 is adapted to be received, the peripheral edge-portion of said disk 10 being offset from the substantially sphero-convex face thereof a distance substantially equal to the thickness of the flange 8. This permits said sphero-convex face of

the disk 10 to closely contact with the sphero-concave face of the disk 1 while permitting the flange 8 to be of such depth as to project into said groove 13, thus being advantageous in preventing the said flange 8 from working out or being withdrawn from between the flanges 2 and 12.

In the convex face of the disk 10 there is provided a groove or recess 14 extending parallel with one wall of the opening 11 and which forms a rib or projection 15 on the concave face of said disk 10. In said formation 14–15 and preferably midway between its ends, there is provided an elongated opening for the passage of the free end portions 16 of a wire-fastening-element 17 which extends diametrically of said disk 10 and consists of a folded piece of wire, the free end-portions 16 of which extend perpendicularly to the main portion thereof. Said free end-portions 16, are, after being passed through said opening in said formation 14–15, bent over in opposite directions to extend perpendicularly to their primary positions and lie within the groove 14. They are preferably soldered in place in the latter to prevent pivotal motion of the element 17. The element 17 is so mounted before the disk 10 is mounted in the disk 1.

After inserting the disk 10 into the disk 1, the flange 2 of the latter is turned in to an extent or angle to also cause the flange 12 of the disk 10 to be rendered convergent, thereby, obviously, securely clamping the portion of the flange 8 of the disk 7 disposed between said flanges 2 and 12, against possibility of withdrawal.

The assembled structure is very neat, durable and efficient. It permits easy removal and replacement of identification or other card 9, which, by reason of the relative positions of the tongues 5 in a substantially spherical plane, is slightly distorted when inserted and is partly held by its own flexibility or elasticity firmly in position.

The celluloid covering of the free edge of the flange presents a smooth curved surface incapable of cutting the fabric of a garment. The fastening element 17 spans or overlaps the flange 2 at one point and may be normally disposed in contact therewith, or so proximate thereto, as to effect a slight clamping of interposed fabric between the same and said flange 2, said element 17 being adapted to be passed through a buttonhole of a garment or into a pocket thereof to thus secure the device to the garment.

The flange or flanges 4 bordering the opening 3 in the disk 1, serve not only to effect offsetting of the tongues 5 from the plane of the disk 1, but also to assure proper assembly of the disks 1 and 10.

I claim as my invention:

1. A badge or button comprising two metal disks each provided with a central opening, the said opening in one of said disks being bordered by formations adapted to be received in the opening of the other of said disks to assure registry of said openings, peripheral flanges on said disks of relative dimensions permitting one thereof to be received within the other, a celluloid disk covering the outer metal disk and the inner and outer surfaces of the peripheral flange thereof and having the portion thereof covering the inner surface of said flange clamped between the latter and the opposed surface of the flange of the other disk, means mounted on the latter for securing the device to a garment, and card-retaining projections on one of said metal disks spaced from the portion of the celluloid disk covering the openings in the metal disks.

2. A badge or button including a metal disk having an opening therein adapted to receive an identification or other card, projections on said disk extending inwardly of said opening, and a transparent element covering said disk and coacting with said projections for retaining said card in said opening.

3. A badge or button including two metal disks having registering openings for receiving an identification or other card, a transparent covering for one of said disks, a device for securing the device to a garment mounted on the other of said disks, and card-retaining projections on one of said disks for coacting with said transparent covering to retain said card within said openings.

4. A badge or button comprising two peripherally flanged interfitting disks having registering central openings, a transparent covering for the outer disk having its peripheral edge-portion clamped between said peripheral flanges of said disks, coacting means on the latter for assuring relative positioning thereof to effect registry of said openings, and card-retaining projections on one of said disks coacting with said transparent covering to retain a card within said registering openings.

5. A badge or button including a pair of similar disks, one thereof adapted to be received within the other, the inner disk provided with a peripheral groove and both disks equipped with peripheral flanges, the portion of said disk between the said groove and the body of the flange thereof being offset from the middle portion thereof a distance substantially equal to the thickness of a covering material, a transparent celluloid covering for the outer surface of the outer disk and extending over the peripheral flange thereof, the extreme free edge of said covering adapted to be received in said peripheral groove in the inner disk and the contiguous portion of said covering clamped between the peripheral flanges of said disks.

6. A badge or button including a pair of

similar disks, one thereof adapted to be received within the other, the inner disk provided with a peripheral groove and both disks equipped with peripheral flanges, the portion of said disk between the said groove and the body of the flange thereof being offset from the middle portion thereof a distance substantially equal to the thickness of a covering material, a transparent celluloid covering for the outer surface of the outer disk and extending over the peripheral flange thereof, the extreme free edge of said covering adapted to be received in said peripheral groove in the inner disk and the contiguous portion of said covering clamped between the peripheral flanges of said disks, there being registering openings in said disks, and card-retaining formations bordering said openings and coacting with said celluloid covering to retain a card within said openings.

7. A badge or button including a pair of similar disks, one thereof adapted to be received within the other, the inner disk provided with a peripheral groove and both disks equipped with peripheral flanges, the portion of said disk between the said groove and the body of the flange thereof being offset from the middle portion thereof a distance substantially equal to the thickness of a covering material, a transparent celluloid covering for the outer surface of the outer disk and extending over the peripheral flange thereof, the extreme free edge of said covering adapted to be received in said peripheral groove in the inner disk and the contiguous portion of said covering clamped between the peripheral flanges of said disks, there being registering openings in said disks, and card-retaining formations bordering said openings and coacting with said celluloid covering to retain a card within said openings, the opening in one of said disks bordered by formations engaging in the opening in the other thereof for assuring proper relative positions of said disks.

8. A badge or button including a metal disk having a central opening, formations bordering said opening, a transparent covering for said disk, a filler for said disk for retaining said covering in place thereof, there being an opening in said filler adapted to receive said formations for determining the relative positions of said disk and filler to prevent any portion of the latter from obstructing the opening in said disk, said formations including means coacting with said transparent covering for retaining a card in the opening in said disk.

CURTIS L. CRUVER.