

No. 723,208.

PATENTED MAR. 17, 1903.

S. MOUNTFORD.
KEY RING.

APPLICATION FILED MAR. 22, 1902.

NO MODEL.

Fig. 1.

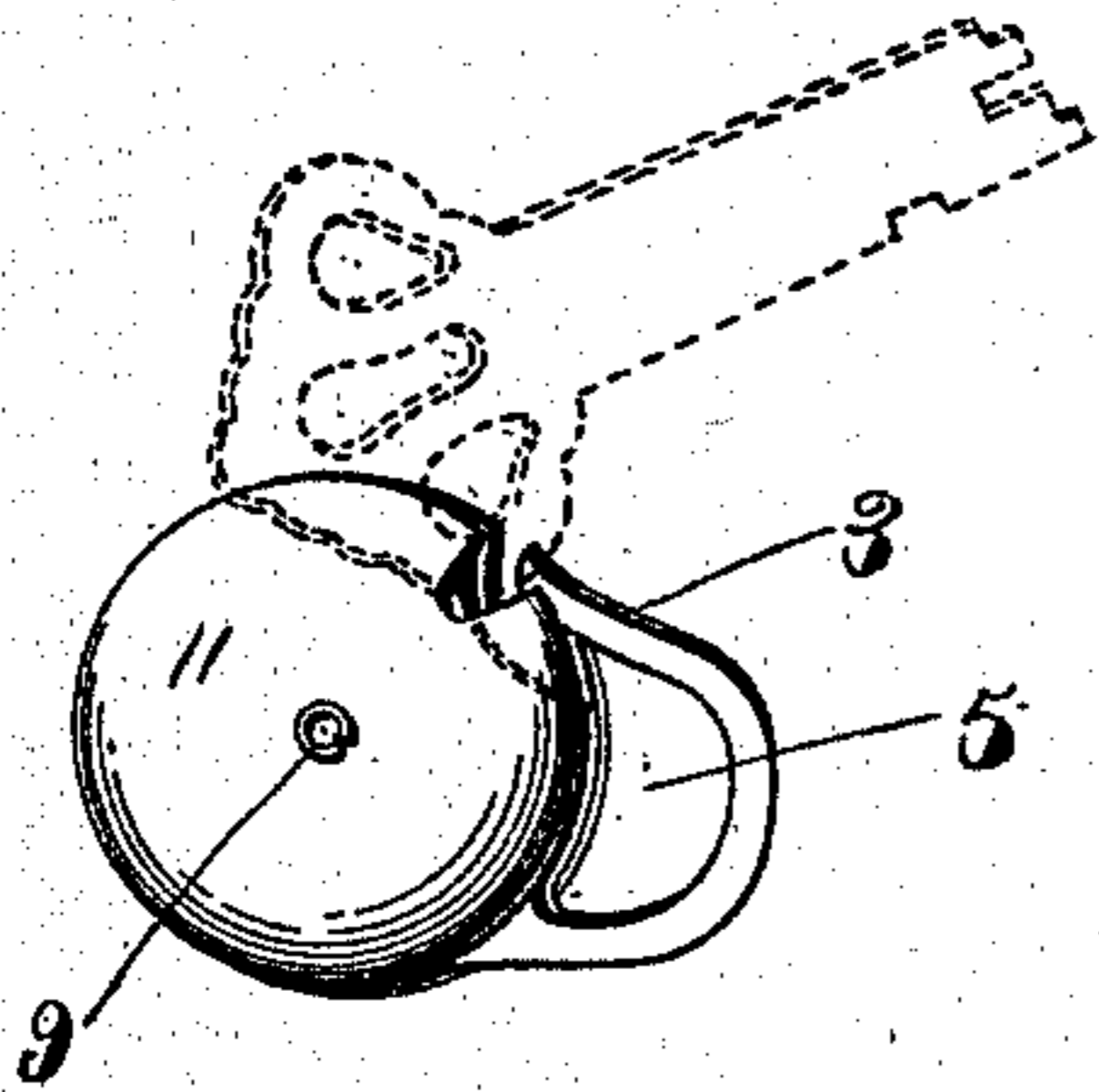


Fig. 2.

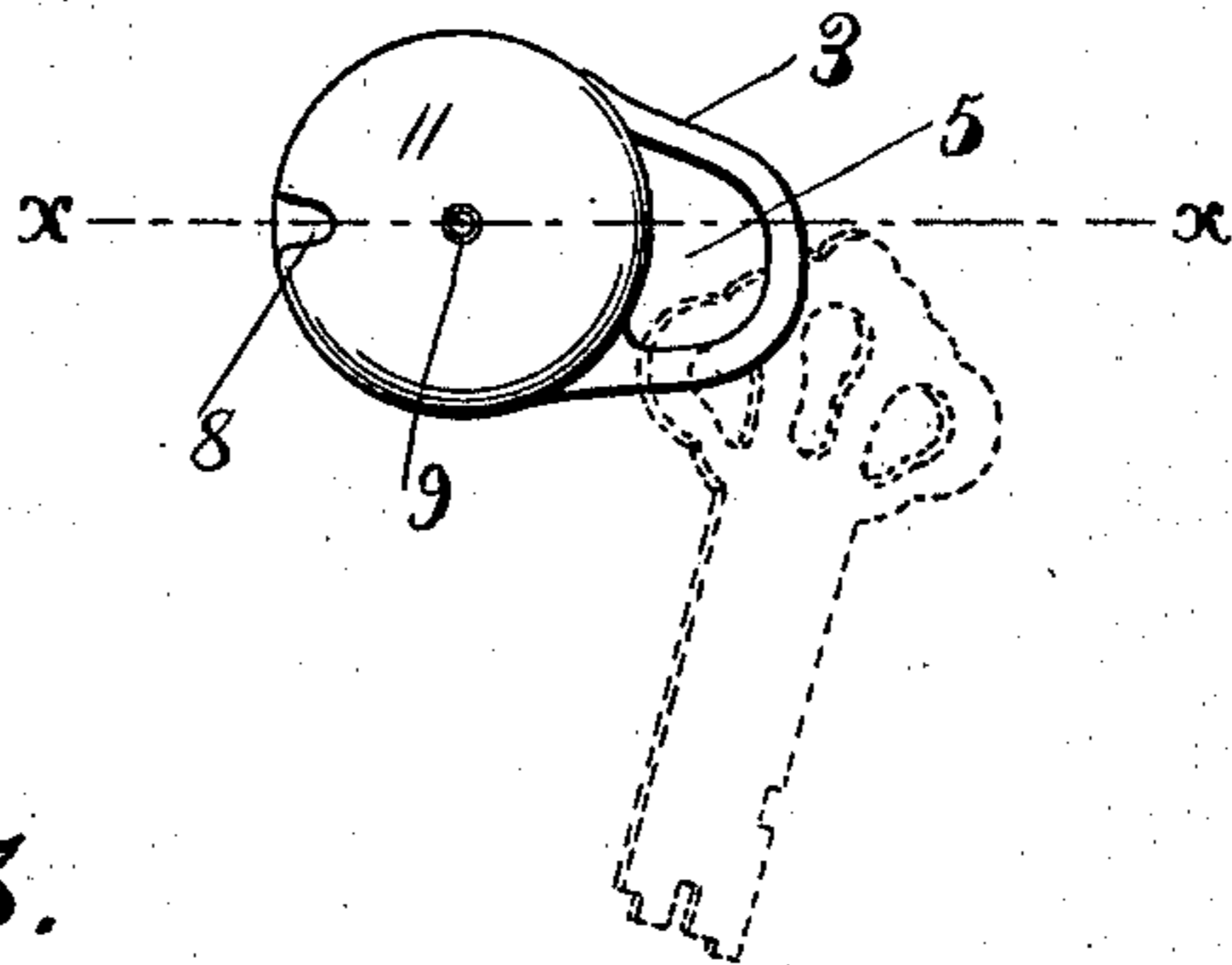


Fig. 3.

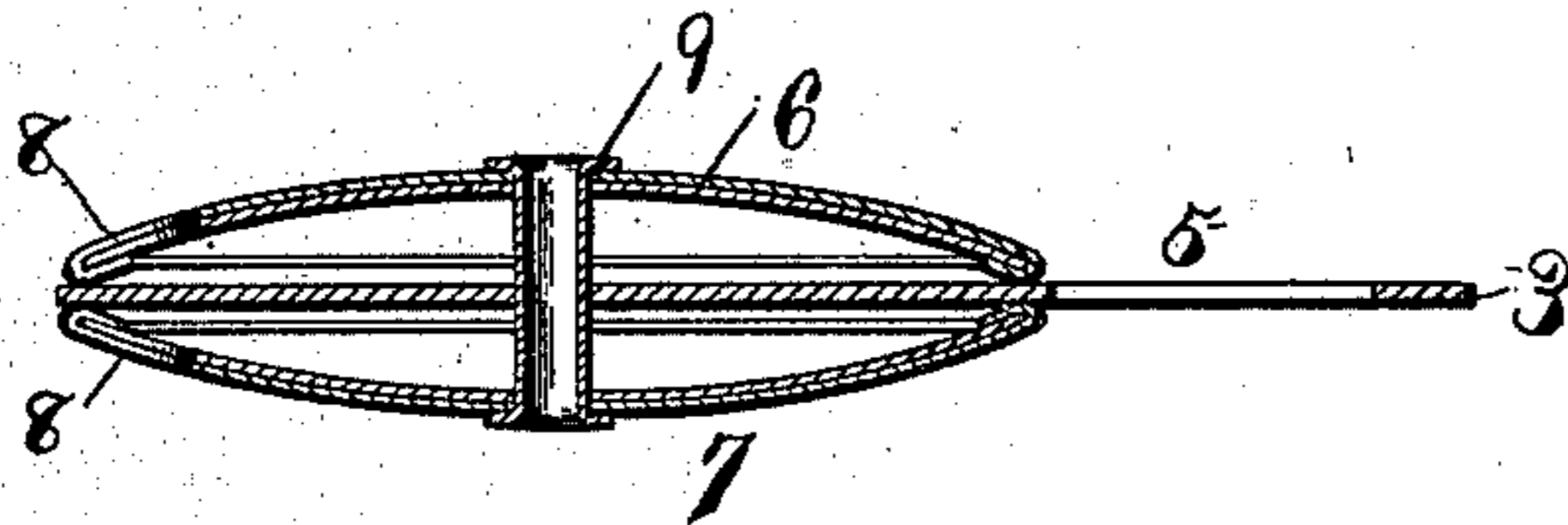
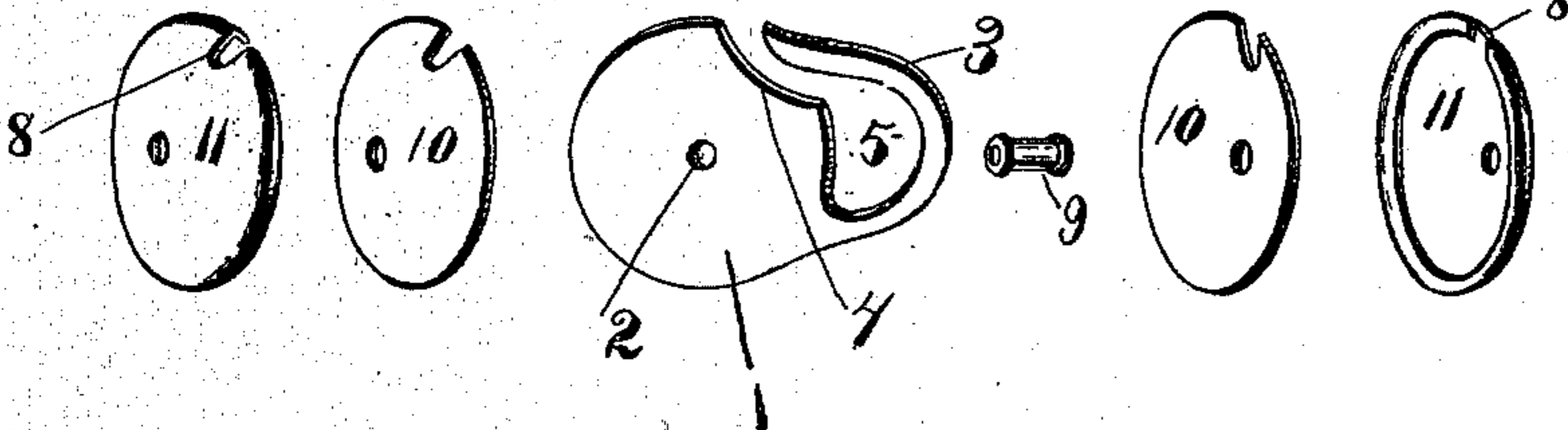


Fig. 5.

Fig. 7.

Fig. 7.

Fig. 6.



WITNESSES:

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SIDNEY MOUNTFORD, OF NEWARK, NEW JERSEY.

KEY-RING.

SPECIFICATION forming part of Letters Patent No. 723,208, dated March 17, 1903.

Application filed March 22, 1902. Serial No. 99,455. (No model.)

To all whom it may concern:

Be it known that I, SIDNEY MOUNTFORD, of Newark, in the county of Essex, in the State of New Jersey, have invented new and useful Improvements in Key-Rings, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in key-rings.

My object is to provide the exposed surfaces of certain parts of the key-ring with a suitable opaque translucent or transparent covering which gives a neat and finished appearance to the device without the usual burnishing or finishing treatment and serves to protect the body of the ring from tarnish or corrosion and at the same time provides means to receive and display any convenient symbol, print, or other decoration without adding materially to the cost of production of the device.

To this end the invention consists in the combination and application of the parts of a key-ring, as hereinafter fully described, and pointed out in the claim.

Referring to the drawings, Figures 1 and 2 are face views showing, respectively, the opened and closed position of the parts. Fig. 3 is a section on line $x x$, Fig. 2. Fig. 4 is a detached view of the central disk provided with a hook. Figs. 5 and 6 are similar views of the opposite caps and the covers therefor. Fig. 7 is a detached view of the pivotal support upon which the parts are rotatably mounted.

Similar reference characters indicate corresponding parts in all the views.

Devices of this character are usually formed of metal, and in order to produce a neat and finished appearance it is necessary to plate and burnish the parts, which necessarily adds materially to the cost of the production, and when it is desired to ornament or produce any configuration upon the surface of any of the parts it is necessary to provide expensive dies therefor.

My invention is designed to produce a neat and finished effect, with such ornamentation or conventional representations as may be desired, without the use of anything more than

the ordinary printing type or dies, the same as may be used in printing on ordinary paper, thereby obviating the use of the more expensive hardened dies adapted to stamp metal.

In the drawings I have shown a metallic plate 1, having a central opening 2, and a jaw or hook 3 of any form desired, preferably constructed as shown in Fig. 4, a portion of said plate being removed or cut away at 4, so as to afford a keyway or passage between the point of the hook and the body of the disk, through which the key may readily pass and drop into the eye 5 of said hook, as shown in Figs. 2 and 4.

In Figs. 5 and 6 I have shown oppositely-arranged caps consisting of metallic disks and a covering 11, of celluloid or equivalent material, which is also provided with peripheral recesses 8, adapted to be registered with the disks 10 when the caps or covers 11 are securely applied to said disks 10.

The disks or plates 1 and 10 are preferably formed of sheet metal, the central disk or plate 1 being substantially flat, and the disks 10 are usually formed concavo-convex and are assembled with their convex sides outermost, so that the inner edges are adjacent to the plate 1.

The caps or covers 11 are first crimped or drawn over the edges of the disks 10 in such manner as to form inner annular flanges interlocking with the edges of the disks 10, which flanges serve to hold the caps or covers 11 firmly in position. It is therefore apparent that when the parts are assembled the annular flanges of the caps 11 are interposed between the disks 10 and the adjacent faces of the plate 1 and impinge against said central disk with sufficient friction to prevent the rotation of one disk independently of the other, except when moved manually.

The disks 1 and 10 and caps 11 are formed with central apertures for receiving the hollow rivet or eyelet 9, which serves to tie the parts together and to permit the free rotation of the assembled parts one upon the other, it being understood that the opposite ends of the eyelet are expanded slightly after the parts are assembled in order to hold them in their relative assembled position.

The disks 10 are of substantially the same diameter as the body of the disk 1, and the open side of the loop 5 is so arranged that the end of the arm or hook of the loop lies in substantially the same circumferential plane of the periphery of said disks, so that when the recesses of the disks 10 are out of alignment with the open side of the recess 5 the keys are locked from accidental displacement.

My invention will now be readily understood upon reference to the foregoing description and the accompanying drawings, and it will be noted that although I have shown and described a key-ring of specific construction the essential feature of my invention consists in providing the opposite disks with a celluloid or equivalent covering which is mechanically applied thereto in any desired manner, either adhesively or by crimping the edges of the covers over and upon the peripheral edges of the disks 10. Other forms of disks 10 and caps 11 may be employed

without departing from the spirit of this invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A key-ring comprising a central flat disk having a circular body and a hook-shaped extension, the said extension having a recess in the periphery forming the open side of the hook, outer circular concavo-convex disks rotatably arranged at the opposite sides of said flat disk, the said disks having key-passages extending inwardly from their peripheries, celluloid coverings mounted on said concavo-convex disks provided with annular flanges interlocking with the edges of said disks and coverings, substantially as described.

In witness whereof I have hereunto set my hand this 19th day of March, 1902.

SIDNEY MOUNTFORD.

Witnesses:

WILLIAM A. JONES,
HOWARD P. DENISON.