

No. 768,282.

PATENTED AUG. 23, 1904.

G. W. HUTCHISON.

FINGER RING.

APPLICATION FILED JUNE 15, 1904.

NO MODEL.

Fig. 1.

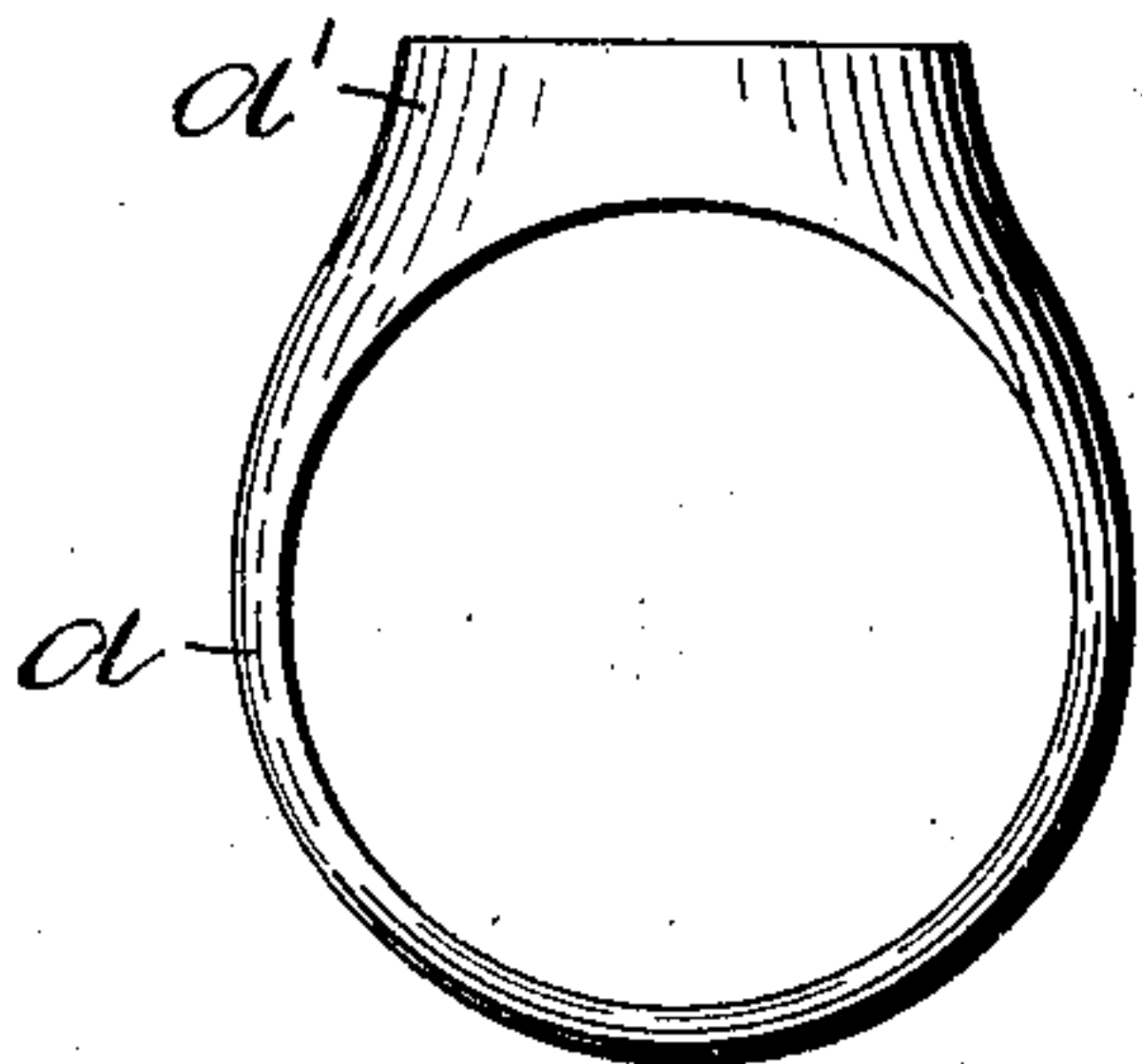


Fig. 2.

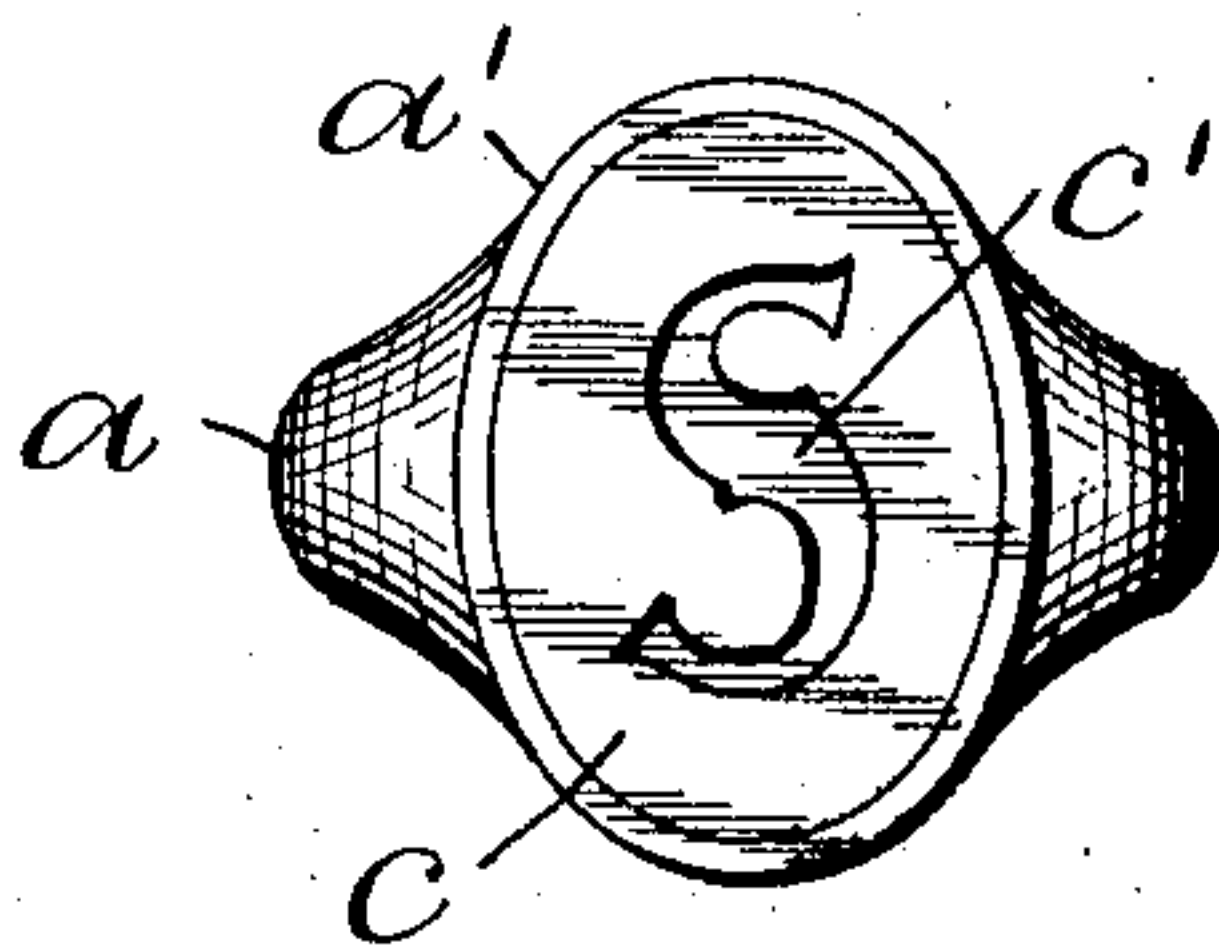


Fig. 3.

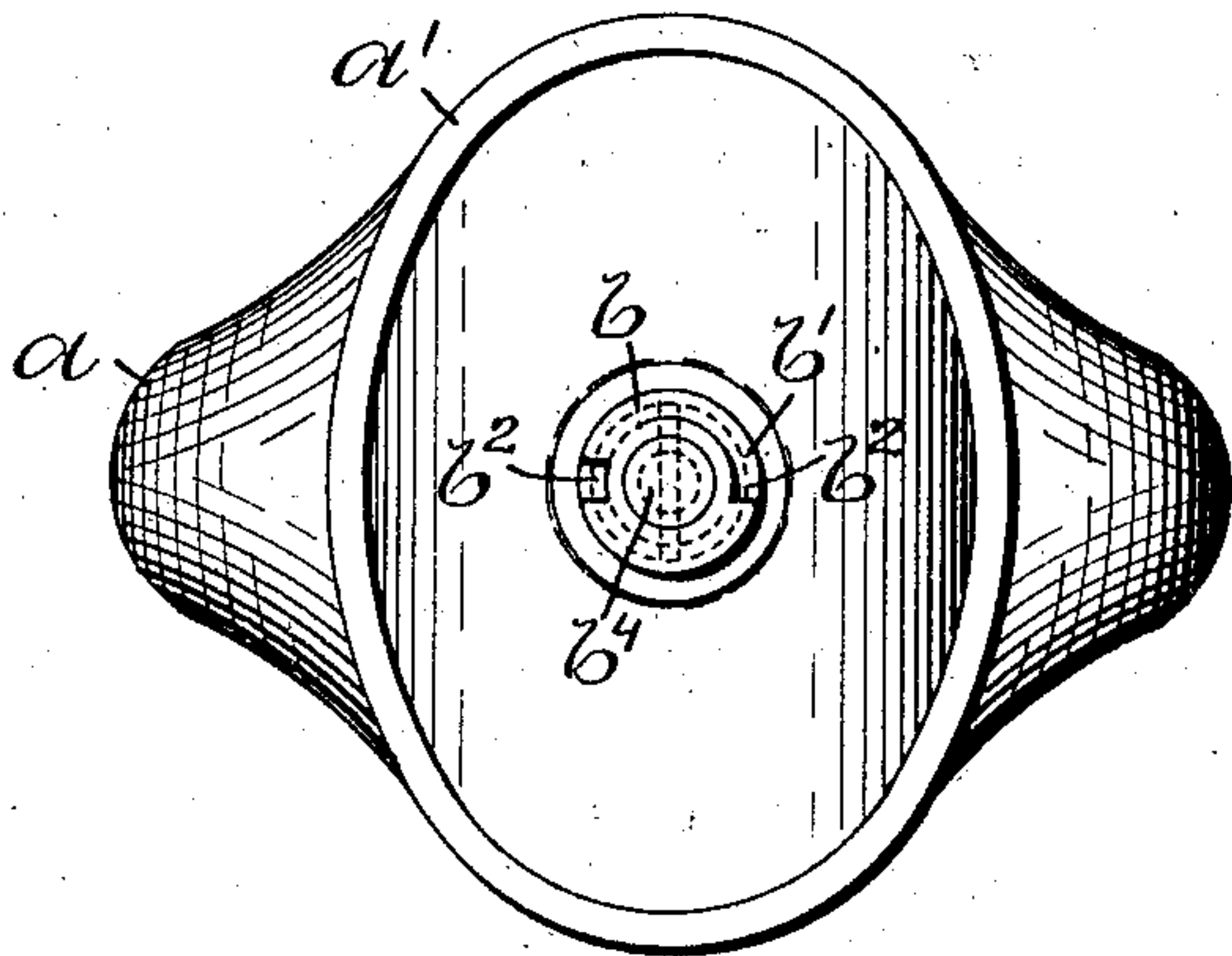


Fig. 4.

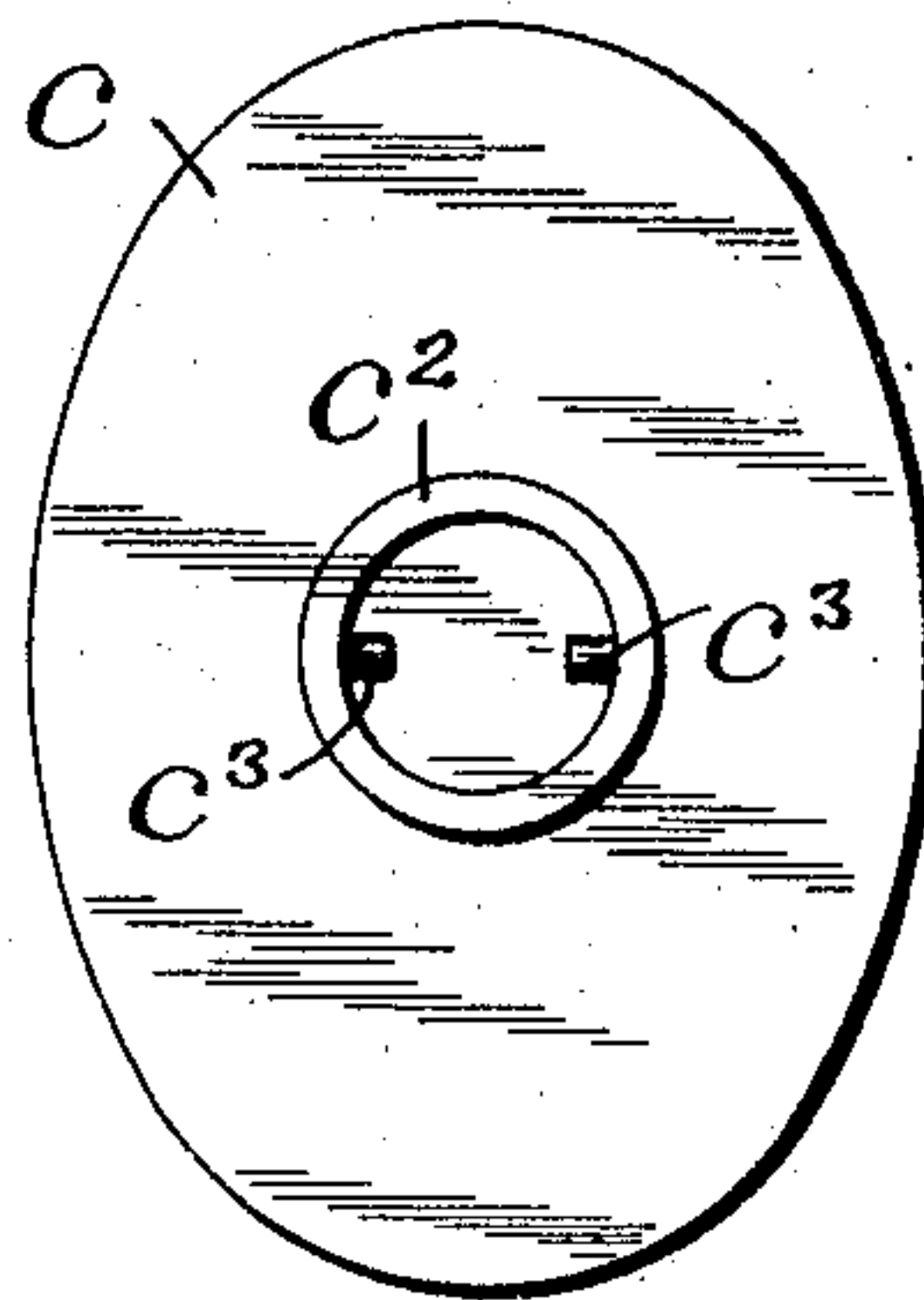


Fig. 5.

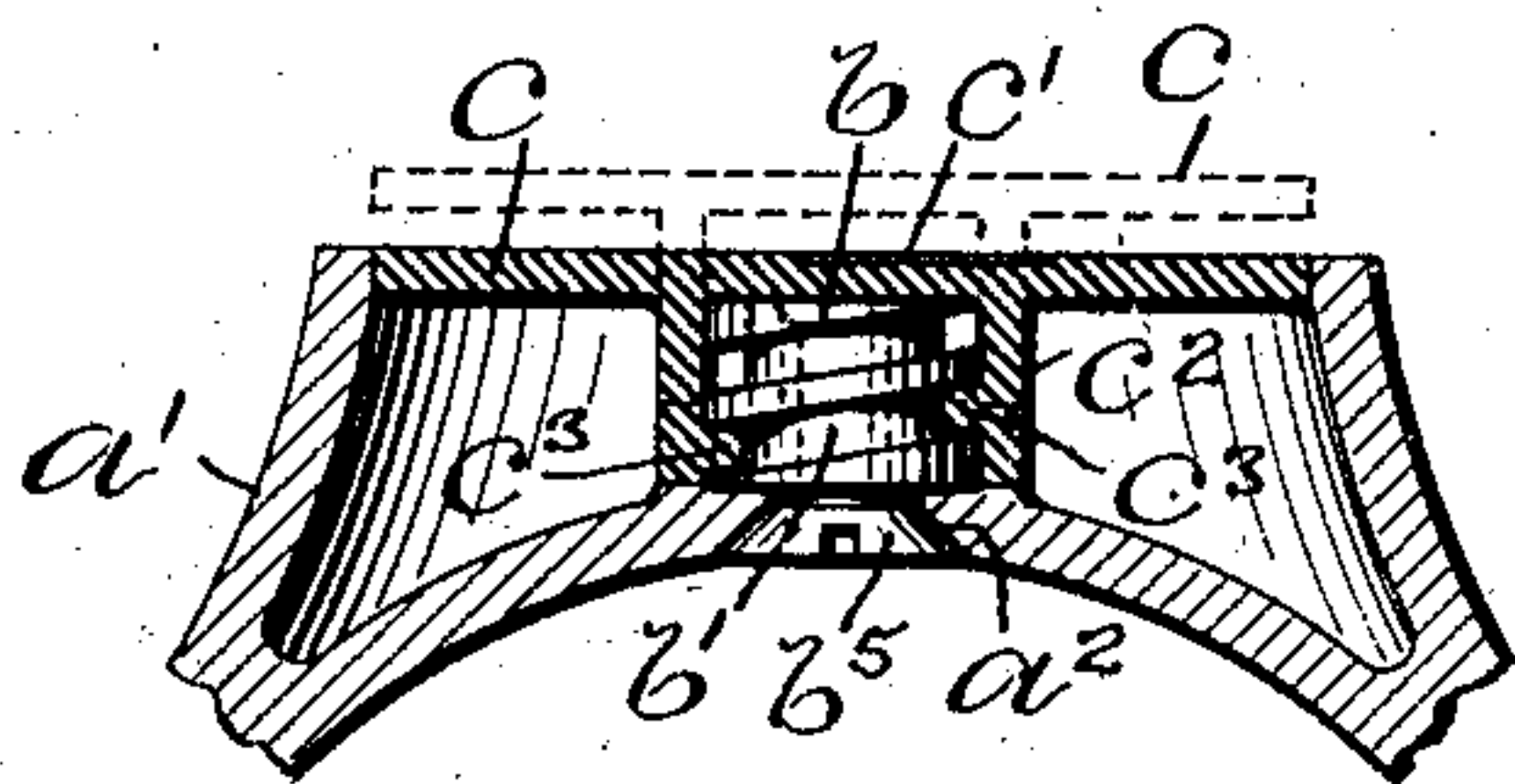
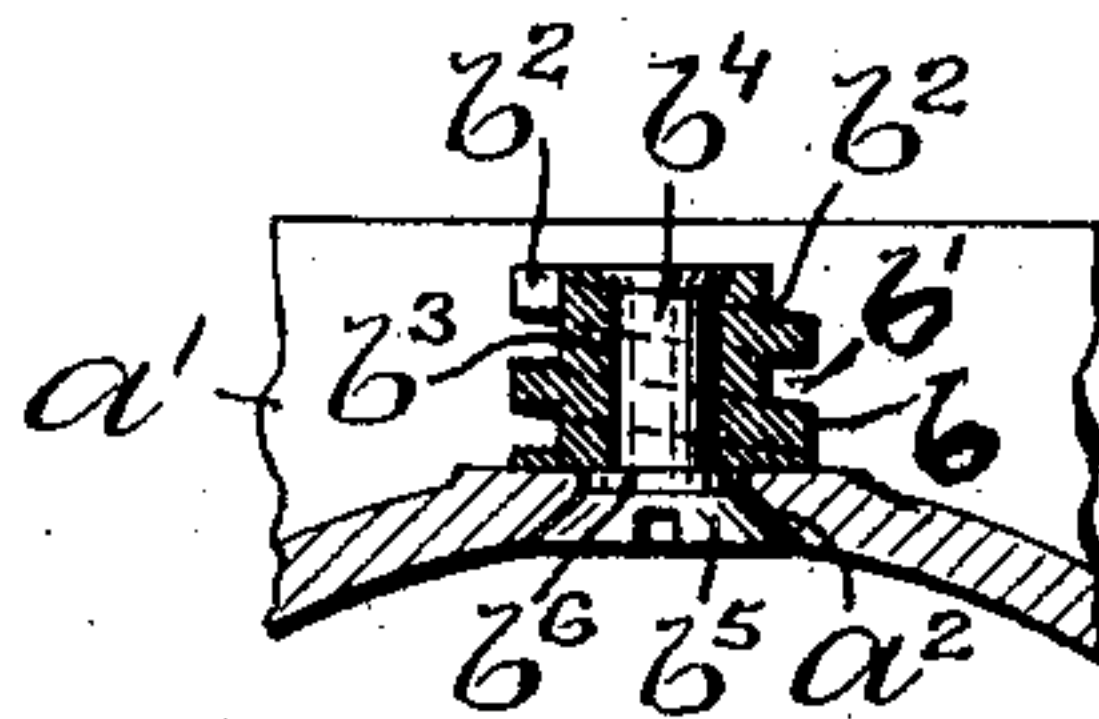


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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FINGER-RING.

SPECIFICATION forming part of Letters Patent No. 768,282, dated August 23, 1904.

Application filed June 15, 1904. Serial No. 212,694. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HUTCHISON, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Finger-Rings, of which the following is a specification.

This invention has reference to an improvement in finger-rings, and more particularly to an improvement in the means for detachably securing a signet-plate flush with the head of a signet finger-ring.

The object of my invention is to detachably secure a signet-plate in the box-head of a finger-ring flush with the head of the ring by turning a screw-head on the under side of the ring-head.

A further object of my invention is to raise the signet-plate above the head of the ring by a reverse movement of the screw-head, thus making the signet-plate more accessible for removal from the ring than has heretofore been done.

My invention consists in the peculiar and novel construction of a signet finger-ring, said ring having a hollow box-head of any shape desired, a signet-plate adapted to fit flush in the box-head having on its face a letter of the alphabet and on its under side a collar centrally located, in which are two oppositely-disposed pins extending inwardly, and a screw-headed cam-cylinder centrally and rotatably secured to the bottom of the box-head with the screw-head on the under side of the box-head, said cam-cylinder having a spiral cam-groove adapted to engage with the pins in the collar of the signet-plate and draw the plate down flush with the box-head by turning the screw-head to the right and by a reverse movement of the screw-head raise the signet-plate from the box-head of the ring into a position where it can be easily removed from the ring, as will be more fully set forth hereinafter.

Figure 1 is a side view of my improved signet-ring. Fig. 2 is a face view of the ring, showing the detachable signet-plate, in the face of which is cut or stamped a letter of the alphabet. Fig. 3 is an enlarged face view of

the ring with the signet-plate removed. Fig. 4 is an underneath view of the signet-plate removed from the ring. Fig. 5 is a detail transverse sectional view through the ring-head and signet-plate, showing the signet-plate flush with the ring-head in full lines and in its raised position in broken lines; and Fig. 6 is a detail sectional view through the ring-head and cam-cylinder, showing the means for rotatably securing the cam-cylinder to the ring-head.

In the drawings, *a* indicates the ring, *b* the cam-cylinder, and *c* the detachable signet-plate. The ring *a* has the oval hollow box-head *a'*, in the bottom of which is the centrally-located outside beveled hole *a''*. The cam-cylinder *b* has the spiral cam-groove *b'* in its periphery, connecting with the oppositely-disposed openings *b'' b''* in the top and the central hole *b'''*, as shown in Fig. 6. A stud *b''*, having the screw-head *b'''* and the shoulder *b''''*, is pushed upward through the beveled hole *a''* in the ring-head *a'* and through the central hole *b'''* in the cam-cylinder, and the cam-cylinder firmly secured to the stud by upsetting the upper end of the stud on the end of the cam-cylinder, as shown in Fig. 6. The screw-head *b'''* can now be turned in the beveled hole *a''*, and with it the cam-cylinder *b*.

The detachable signet-plate *c* is shaped to fit in the box-head *a'* flush with the face of the head. In the face of the signet-plate *c* is cut or stamped a letter of the alphabet *c'* or other sign, as shown in Fig. 2. Centrally located on the under side of the signet-plate, in a position to fit over the cam-cylinder *b*, is the collar *c''*, having the inwardly-extending oppositely-disposed pins *c''' c'''*, adapted to enter the oppositely-disposed openings *b'' b''* in the top of the cam-cylinder and engage with the spiral cam-groove *b'* in the periphery of the cylinder.

By the use of my improved signet-ring a dealer in the trade may carry a small number of rings and a large assortment of signet-plates. After fitting the buyer as to size a different letter is usually wanted. The cam-cylinder *b* is now turned one complete revolution to the left by the screw-head *b'''*. This

raises the signet-plate *c* into the position as shown in broken lines in Fig. 5, bringing the pins *c*³ *c*³ in the collar of the signet-plate into the openings *b*² *b*² in the top of the cam-cylinder. The signet-plate can now be easily and quickly removed and a signet-plate having the required letter secured in its place by placing the collar *c*² of the signet-plate over the cam-cylinder *b* in a position for the pins *c*³ *c*³ to enter the openings *b*² *b*² in the top of the cam-cylinder, which is now turned one complete revolution to the right. The pins *c*³ *c*³, following the cam-groove *b*, draw the signet-plate down flush with the face of the ring-head, firmly securing the signet-plate in the box-head of the ring. The lower edge of the collar *c*² and the bottom of the box-head *a*' form a stop, which limits the inward movement of the signet-plate.

In the operation of my improved signet-ring the flush signet-plate is more firmly secured to the ring and more quickly and easily detached from the ring than has heretofore been done.

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

1. A signet-ring having a hollow box-shaped head and a detachable signet-plate, means for mechanically drawing the signet-plate down in flush with the ring-head and for raising the signet-plate above the ring-head, consisting

of a cam-cylinder rotatably secured to the bottom of the ring-head by a beveled screw-head, which extends through the ring and revolves the cam-cylinder, a spiral cam-groove in the periphery of the cam-cylinder, a letter or other sign on the face of the signet-plate, a collar on the under side of the signet-plate, and inwardly-extending pins in the collar adapted to engage with the spiral cam-groove in the cam-cylinder, as described.

2. In a signet finger-ring, the combination of the ring *a* having the hollow box-shaped head *a*' in the bottom of which is the outside beveled hole *a*², the cam-cylinder *b* having the spiral cam-groove *b*¹, the openings *b*² *b*², and the central hole *b*³, the stud *b*⁴ having the screw-head *b*⁵ and the shoulder *b*⁶ secured by pushing the stud upward through the beveled hole *a*² and the central hole *b*³ and upsetting the end of the stud on the end of the cam-cylinder, and the signet-plate *c* having a letter or other sign cut, stamped, or raised on its face and the collar *c*² on its under side in which are the pins *c*³ *c*³, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. HUTCHISON.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER, Jr.