

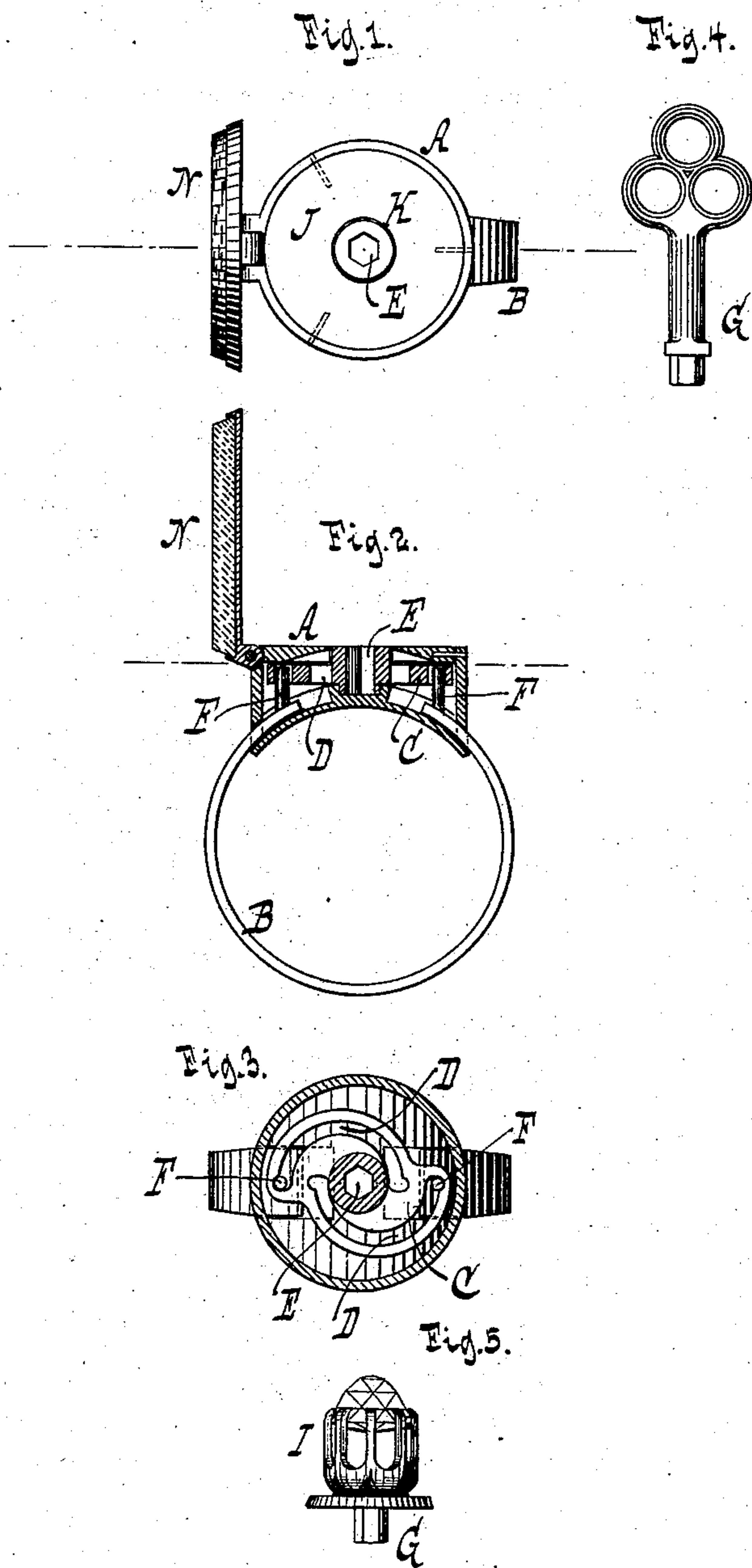
(No Model.)

F. J. SCHINDLER.

LOCK FOR ADJUSTING FINGER RINGS, BRACELETS, &c.

No. 294,277.

Patented Feb. 26, 1884.



WITNESSES:

Otto Aufelaug
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UNITED STATES PATENT OFFICE.

FRANZ J. SCHINDLER, OF NEW YORK, N. Y.

LOCK FOR ADJUSTING FINGER-RINGS, BRACELETS, &c.

SPECIFICATION forming part of Letters Patent No. 294,277, dated February 26, 1884.

Application filed December 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANZ J. SCHINDLER, a citizen of Austria, residing at New York, in the county and State of New York, have invented new and useful Improvements in Locks for Adjusting Finger-Rings or Bracelets and other purposes, of which the following is a specification.

The main object of this invention is to combine with a finger-ring or bracelet a lock whereby the article may be adjusted to the finger or wrist for promoting comfort and safety; and to this end it consists in a rotating lock-plate, which is arranged in the head of the ring or bracelet on a suitable key-arbor, and constructed with one or more cam-slots to engage with studs on the shank of the ring, this shank being left detached from the head, so that if the proper motion is imparted to the rotating plate it acts on the shank-studs by means of the cam-slots to contract or expand the shank.

In the accompanying drawings, Figure 1 shows a ring in top view embodying my invention. Fig. 2 is a sectional side view thereof. Fig. 3 is a sectional top view of the same. Figs. 4 and 5 show different forms of keys for the lock.

Similar letters indicate corresponding parts.

The letter A designates the ring-head; B, the ring-shank; C, the lock-plate; D, its cam-slots; E, the key-arbor, and F the studs of the ring-shank.

The shank B is left detached from the head A, its ends being merely inserted in the head, as shown in Fig. 2, and the studs F are located at points near the ends of the shank, the same engaging with the cam-slots D of the lock-plate by entering such slots. The lock-plate C is arranged within the head A on the arbor E, the latter being integral with the plate, and being centered in the head to rotate therein, and the cam-slots D are formed in corresponding positions relatively to the arbor, so that when the plate is turned by means of the ar-

bor both slots act in the same manner on the studs F, the effect thereof being to draw the studs inward toward each other when the plate is turned in one direction, and to force the studs away from each other when the plate is turned in the opposite direction, whereby the ring-shank is contracted or expanded, as the case may be. The ends of the cam-slots are preferably shaped with offsets to receive the studs, as shown. The arbor E is constructed to receive a key, G, which may be plain, as shown in Fig. 4, or provided with a gem, I, as shown in Fig. 5. To admit either of these keys or the key-arbor, the top J of the ring-head is provided with a key-hole, K, which, in Figs. 1 and 2, may be hidden by an ornamental cap, N, hinged or otherwise attached to the head. When the key shown in Fig. 5 is used, it may be soldered to the lock-plate, to remain on the ring.

It is evident that in a bracelet the parts may be arranged in the same relation to each other as herein described, while the parts constituting the lock can be applied to any other general purpose, as for operating bolts. One of the cam-slots of the lock-plate, moreover, may be omitted.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with a finger-ring or bracelet having its shank left detached from the head thereof, of the rotating lock-plate arranged in the head on a suitable key-arbor, and constructed with one or more cam-slots, and the studs of the shank engaging the slots of the rotating plate, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

FRANZ J. SCHINDLER. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.