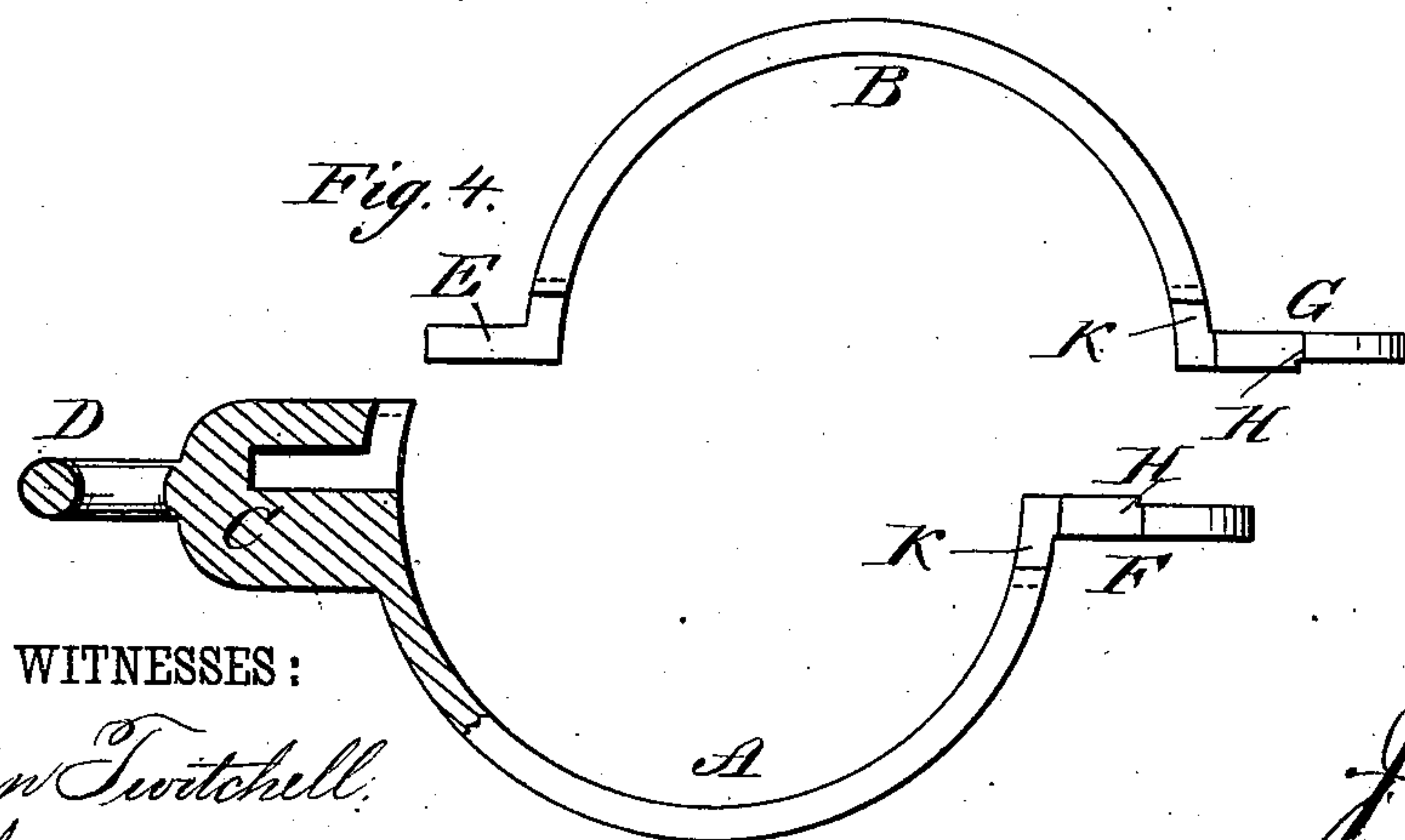
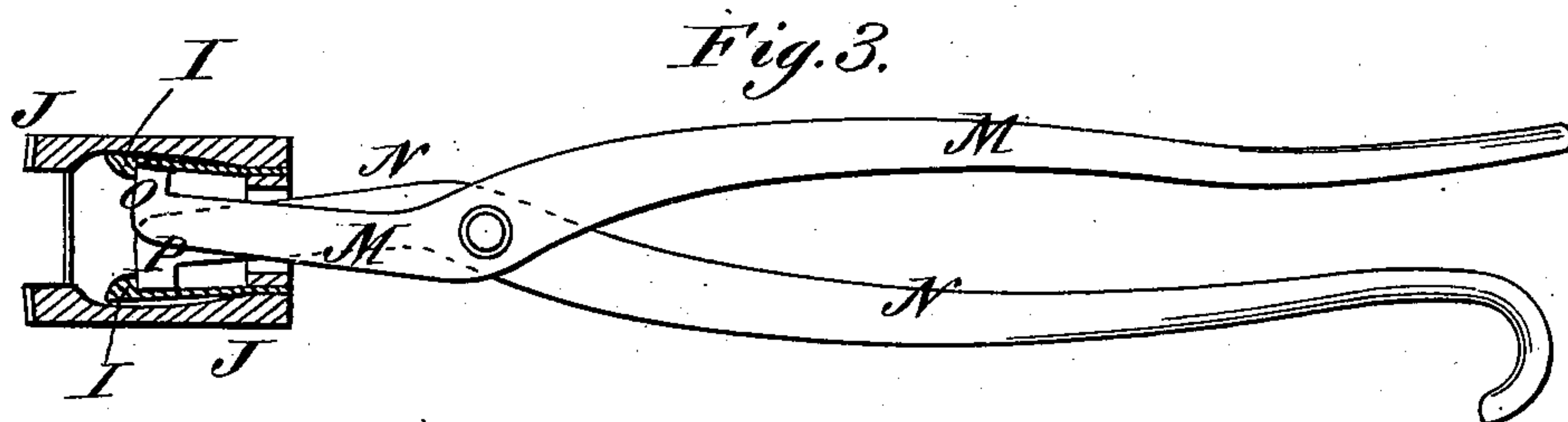
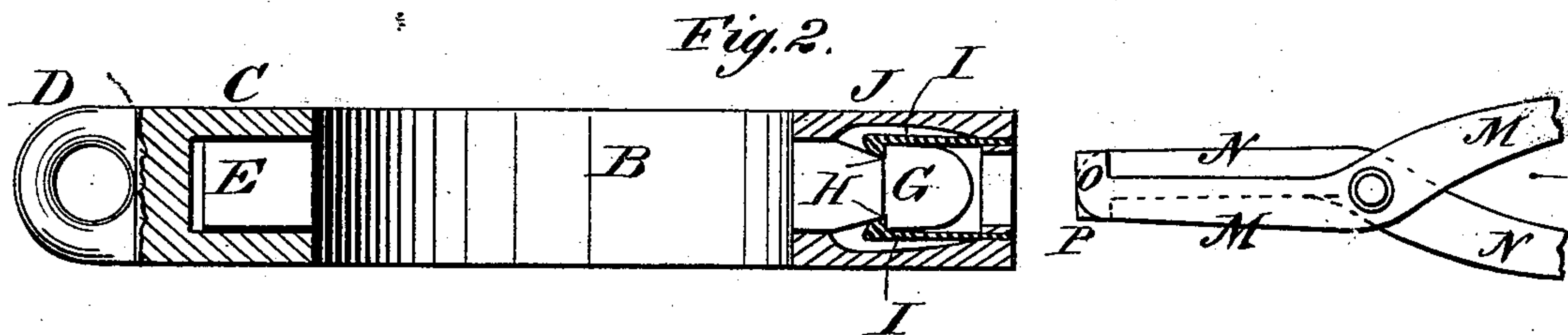
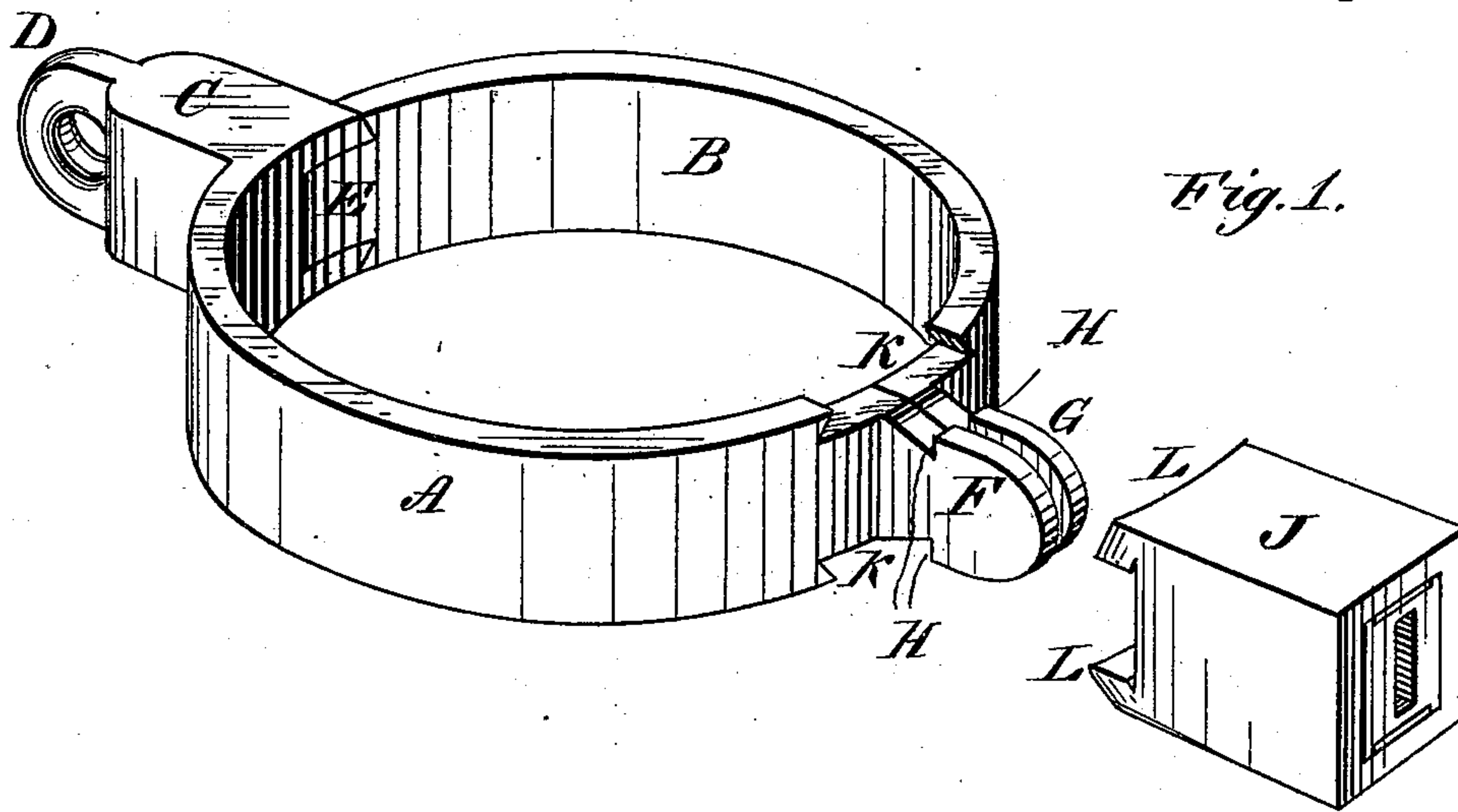


(Model.)

J. M. TRACKWELL.
SHACKLE.

No. 256,079.

Patented Apr. 4, 1882.



WITNESSES:

Donn Twitchell.
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UNITED STATES PATENT OFFICE.

JAMES M. TRACKWELL, OF SKOOKUMCHUCK, WASHINGTON TERRITORY.

SHACKLE.

SPECIFICATION forming part of Letters Patent No. 256,079, dated April 4, 1882.

Application filed October 6, 1881. (Model.)

To all whom it may concern:

Be it known that I, JAMES MASON TRACKWELL, of Skookumchuck, in the county of Lewis, Washington Territory, have invented a new and useful Improvement in Shackles, of which the following is a full, clear, and exact specification.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improvement, shown as unlocked. Fig. 2 is a sectional elevation of the same, shown as locked and with the key ready to be inserted in the hole. Fig. 3 is a sectional elevation of the lock and a side elevation of the key, showing the position of the key when unlocking the lock. Fig. 4 is a plan view, partly in section, of the shackle, shown with its parts separated, the lock being removed.

The object of this invention is to promote convenience in applying and removing shackles and security in their use.

The body of the shackle is made in two half-ring parts, A B, as shown in Fig. 4. Upon one end of the part A is formed an outward projection, C, having a lug or eye, D, at its outer end to receive a chain when two shackles are to be connected. In the inner end of the projection C is formed an aperture or socket to receive a lug, E, formed upon the corresponding end of the other part, B. Upon the other ends of the parts A B are formed lugs F G, which have notches or shoulders H in their edges for the spring-catches I of the lock J to engage with, as shown in Fig. 2, and rabbets in their adjacent sides to receive the forward end of the key. In the edges of the ends of the parts A B, at the bases of the lugs F G, are formed dovetailed recesses K to receive the dovetailed projecting inner ends, L, of the top and bottom of the lock J. At the upper and lower sides of the outer part of the cavity of the lock J are secured the bases of the spring-catches I, as shown in Figs. 2 and 3.

With this construction the shackle is applied by bringing the parts A B together, inserting the lug E in the socket C, and pressing the lock J into place upon the lugs F G, when

the spring-catches I will engage with the said lugs F G, locking the shackle.

The key is made in two parts, M N, which are pivoted to each other at a little distance from their forward ends. The forward parts or blades of the parts M N of the key are made thin and have square hooks or shoulders O P formed upon them, which project in opposite directions, as shown in Figs. 2 and 3. With this construction, when the blades of the key M N have been brought into positions parallel with each other, by adjusting the handles of the said key the said blades are passed into a narrow key-hole in the outer end of the lock J, and into the space between the rabbeted adjacent sides of the lugs G. Then by pressing the handles of the key toward each other the hooks or shoulders O P are projected, as shown in Fig. 3, so as to press the spring-catches I outward and release the lugs F G; then by pulling the said key outward the lock J will be withdrawn from the said lugs F G, allowing the parts A B of the shackle to be separated.

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

1. A shackle constructed substantially as herein shown and described, and consisting of the half-ring parts A B, having socket C and lug E at one end, and notched lugs F G at the other end, and the lock J, having interior spring-catches, I, as set forth.

2. In a shackle, the combination, with the ends of the half-ring parts A B, having notched parallel lugs F G, of the lock J, having end apertures and interior spring-catches, I, substantially as herein shown and described, whereby the said parts are secured against lateral and longitudinal separation, as set forth.

3. In a shackle, the combination, with the lock having spring-catches I I, of the cross-pivoted levers M N, having the reverse hooks O P at their ends, whereby these hooks may be pressed apart and upwardly against the catches, for the purpose specified.

JAMES MASON TRACKWELL.

Witnesses:

C. CROSBY,
WM. WOODHAM.