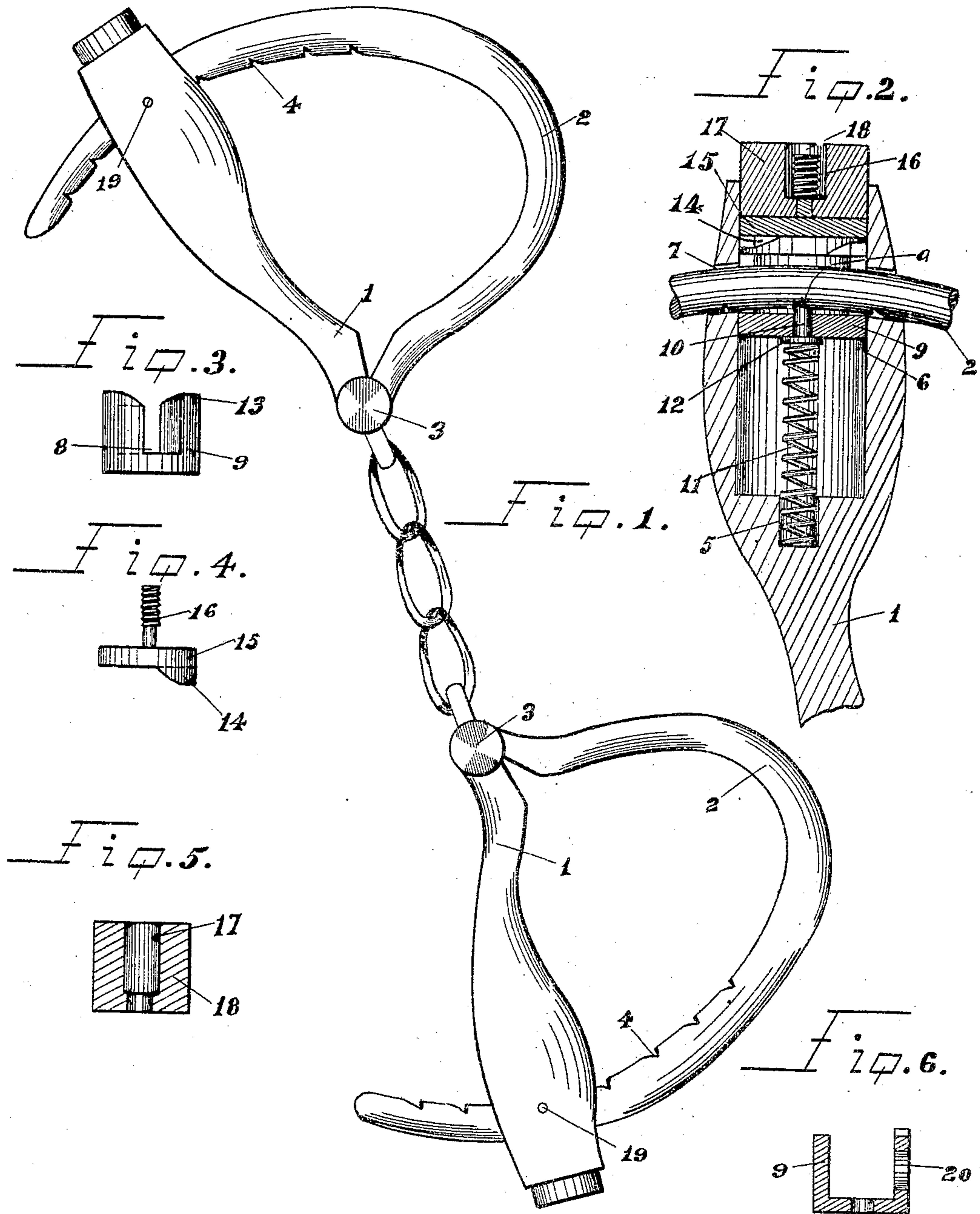


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HANDCUFF.

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948,310.

Patented Feb. 8, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE CAVENEY, OF OAKLAND, CALIFORNIA.

HANDCUFF.

948,310.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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To all whom it may concern:

Be it known that I, GEORGE CAVENEY, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Handcuffs; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in hand cuffs, the object of the invention being to produce such a hand cuff as can be readily, quickly and easily engaged on the wrists and instantly and automatically locked in the desired position and one which cannot in any manner become unlocked except by a person other than the person handcuffed and which when it is desired to unlock the same can be done easily and quickly.

A further object of the invention is to produce such a device as will be simple and inexpensive and yet one which would be exceedingly effective for the purposes for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a side elevation of the complete pair of my improved hand cuffs. Fig. 2 is a sectional view of a lock of the hand cuff with the swinging arm shown. Fig. 3 is a side elevation of an unlocking plunger. Fig. 4 is a side elevation of an unlocking cam. Fig. 5 is a sectional view of a cap. Fig. 6 is a sectional view of an unlocking plunger.

Referring now more particularly to the characters of reference on the drawings 1 designates the main body of the cuff, which is of the bottle neck type and 2 is the swinging arm connected to said body 1 as at 3, such arm having locking indentations or teeth 4 on its under edge at its outer end.

In the body 1 is a longitudinal deep recess 5 and above this a recess 6 of greater diameter than said recess 5, there being open-

ings or slots 7 opening through the sides of the member 1 into said recess 6 whereby the swinging arm 2 passes through said recess 6 to form the cuff around the wrist, such arm 2 also passing through a groove 8 in an unlocking plunger 9 movable in said recess 6, there being a beveled catch 10 movable through the bottom of said plunger, the arm 2 being held in normal locked position in said recess 6 by reason of the engagement of the beveled edge *a* of the catch 10 with one of the teeth 4, the normal position of said catch 10 being maintained by means of a spring 11 disposed in the recess 5 and bearing against a collar 12 on the catch 10.

On the upper edge of the plunger 9 and spaced apart are projecting curving lugs 13 while a curved cam 14 on a disk 15 reposes normally between said lugs until such time as it is desired to unlock the cuff and then said disk 15 is turned by means of a key operating a pin 16 on said disk 15, which action causes such cam 14 to engage the lugs 13 and move them downward which causes the plunger 9 to engage the collar 12 and move the catch 10 downward out of engagement with the teeth 4 which permits the arm 2 to be readily withdrawn from the member 1 thus releasing the wrist from the cuff. The parts may then be turned to normal operative position by turning the disk 15 to disengage the cam 14 from the lugs 13 which permits the spring 11 to turn the parts to normal position. The disk 15 is maintained in the recess 6 by means of a cap 17 secured in the top of said recess 16 and provided with a recess 18 into which the pin 16 projects. The plunger 9 is prevented from turning by a pin 19 projecting into a groove 20 in said plunger. The upper end of the pin 16 is threaded to receive a threaded key thus, in view of the recess 18, rendering it almost impossible for any person wearing the cuffs to tamper with the lock.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfils the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:—

- 5 1. A hand cuff comprising a body having a longitudinal recess, a plunger movable in said recess, a catch movable in said plunger, a spring bearing against said catch, and an arm on said body adapted to project through said recess and engage said catch.
- 10 2. A hand cuff comprising a body having a longitudinal recess, a plunger movable in said recess, a catch movable in said plunger, an arm on said body adapted to project through said recess and engage said catch,
- 15 and means for moving said plunger.

3. A handcuff comprising a body having a longitudinal recess, a plunger movable in said recess, a catch carried by said plunger, projecting lugs on the upper end of said plunger, a cam in said recess adapted to engage said lugs, means for turning said cam, and an arm on said body adapted to project through said recess and engage said catch.

In testimony whereof I affix my signature 25 in presence of two witnesses.

GEORGE CAVENEY.

Witnesses:

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