

April 21, 1925.

1,534,936

E. E. FISCHBACH

CONFINING AND RESTRAINING DEVICE

Filed Aug. 10, 1922

2 Sheets-Sheet 1

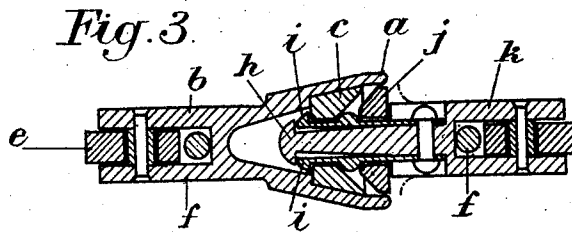
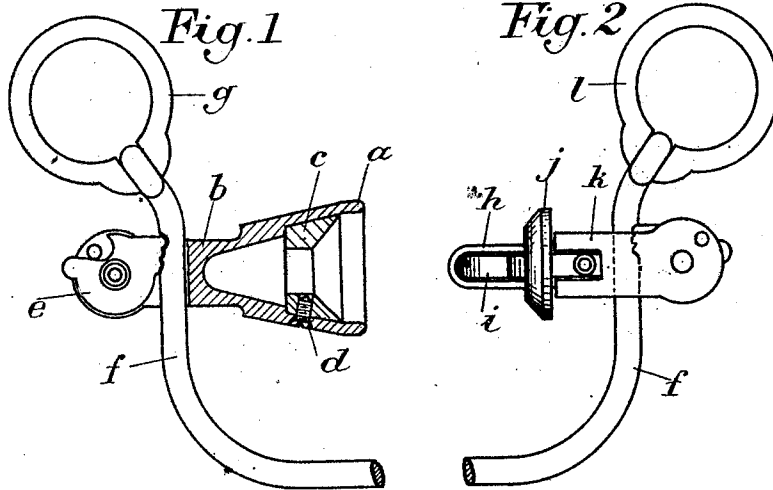


Fig. 4

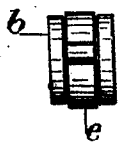


Fig. 5

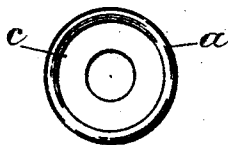


Fig. 6

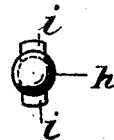


Fig. 7



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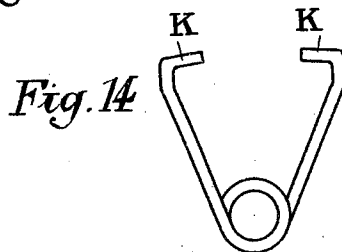
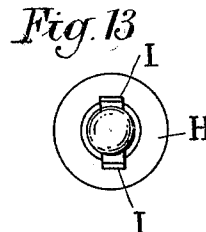
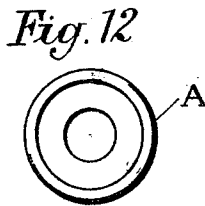
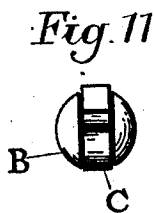
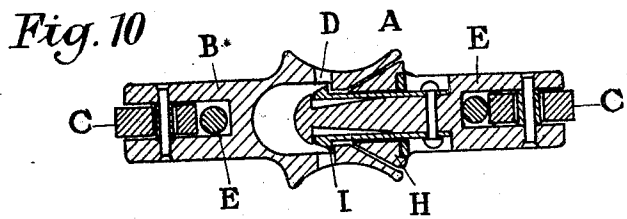
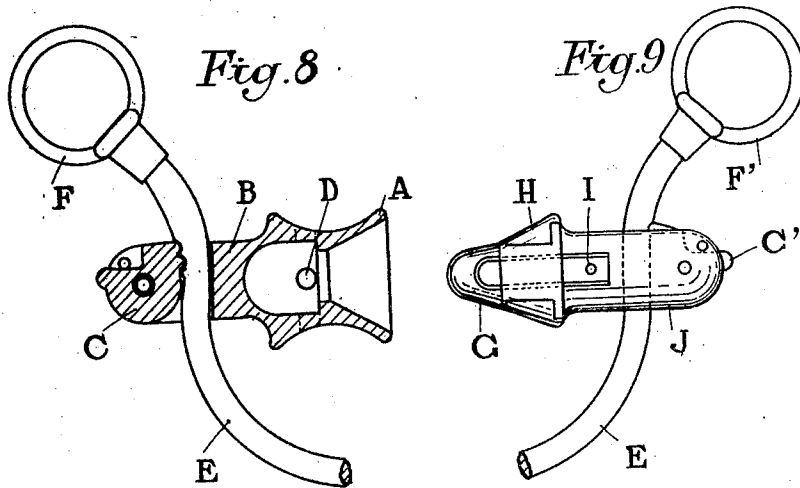
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CONFINING AND RESTRAINING DEVICE

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

EUGÈNE EDMOND FISCHBACH, OF HANOI, TONKIN, INDO-CHINA.

CONFINING AND RESTRAINING DEVICE.

Application filed August 10, 1922. Serial No. 531,034.

To all whom it may concern:

Be it known that I, EUGÈNE EDMOND FISCHBACH, a citizen of the French Republic, and resident of Hanoi, Tonkin, Indo-China, have invented certain new and useful Improvements in and Relating to Confining and Restraining Devices, of which the following is a specification.

This present invention has for its object to provide an improved manacle, and more particularly a device of this kind comprising two metal parts or members, a female member and a male member, connected by means of a belt, cord or the like.

The purpose of such device is to quickly manacle a person by easily and instantaneously tying his arms to his body, or tying his legs, or clasp his neck with one arm and so on, before the said person may resist or attempt injury. Therefore said device will be greatly useful for policemen.

In the accompanying drawings I have illustrated two forms of embodiments of my invention, Figs. 1-7 referring to one form of embodiment and Figs. 8-14 to another form of embodiment. In these drawings:

Fig. 1 shows the longitudinal section of the female or funnel-shaped member.

Fig. 2 is an elevation of the male or punch-shaped member.

Fig. 3 is a longitudinal section of both members, showing the same in interengaged position.

Fig. 4 is an end view of the heads of said members.

Fig. 5 shows the orifice of the female member.

Fig. 6 is a view of the outside of the male member.

Fig. 7 shows a portion of the key for disengaging the members.

Fig. 8 is a sectional view of the female member of the second form of construction.

Fig. 9 is an elevation of the corresponding male member.

Fig. 10 is a section through both members, showing the same in interengaged position;

Fig. 11 is an end view of the heads of both members.

Fig. 12 shows the orifice of the female member.

Fig. 13 shows the end of the punch of the male member;

Fig. 14 shows the key for disengaging the members.

Fig. 1 shows the section of a funnel-shaped

member *a* having an extension or handle *b*. Arranged within the funnel is an inner ring *c* retained by screws *d* or any other fastening means. At the end of the handle is a cam *e*, serving as a pawl to prevent the belt *f* from moving backwardly after the tying.

Said belt or thong which passes through the handle, has at its end a ring *g*, which may be formed by a loop of the belt, a ball or the like adapted to facilitate pulling on the belt.

Preferably the ring-finger of the hand will be inserted into said ring *g*, the other fingers of the hand serving to hold the funnel intended to be engaged by the punch shown in Figure 2.

The member designed for cooperation with the funnel shaped member *a* is shown more particularly in Fig. 2, and comprises a punch *h*, provided with springs *i* having stop-lugs and adapted to be compressed by a ring *j* for disengaging the device.

Said punch has a handle *k* provided with a cam similar to the cam described with reference to Fig. 1. Adjacent the punch, said handle may be thickened as shown by dotted lines in Fig. 3.

Extending through said handle is the opposite end of the belt or the like *f* shown in Fig. 1 and ending likewise into a ring *l*, into which the ring-finger of the right hand must be inserted, the other fingers of said hand serving to hold the handle of the punch.

To effect a capture, it will be sufficient to hold one of the members of the device in each hand as above described and then suddenly grasp the part of the prisoner's body which is to be confined by surrounding said part with the arms and therefore with the belt. Then the punch must be quickly inserted into the funnel (the click of the spring catches may be heard very distinctly) and a rapid pull must be effected on both rings *g* and *l* moving the same apart from each other releasing both the funnel and the punch. It will be seen that the belt thus pulled will firmly tie the part intended.

Thus the tying will be effected instantaneously; the prisoner even if he is a dangerous man, having his movements stopped, will be unable to do any injury.

Moreover said device may be used for several other purposes, such as carrying injured persons, parcels, capturing animals and even locking wheels of motorcars, bicycles and the like, a chain, the ends of

which are attached to the handles, being then substituted for the belt.

The cooperating members of the device in interengaged relation are shown in Fig. 3, from which it will be apparent that the members are locked against separation and capable of disengagement by a suitable key, shown in Fig. 7, which key has spaced wards adapted to be placed between the ring *j*, and the terminal of the handle proper *k*, this introduction of the key serving to press the ring *j* inwardly and thereupon force the springs *i* inwardly to disengage their hook ends from the ring *e* in the cooperating member.

In the modification shown in Figs. 8-14, the device comprises the similar interengaging members, but said device operates more quickly and surely than the previously described form.

The female member of this form, shown more particularly in Fig. 8 comprises a funnel A and at the opposite end a head or handle B provided with a cam C.

Arranged between the funnel and the handle are two or three holes D for the passage of the hooks K of the key (Fig. 14.), said hooks K directly engaging the springs I to provide for obvious release of the male member.

Extending through the handle B is a belt E, the end of which is provided with a ring F.

The male member shown more particularly in Fig. 9 comprises a punch G which is surrounded by a ring H, partly covering two springs I, one on each side.

The head of said male member is also provided with a retaining cam C'.

Extending through the head or handle is the same belt E, the end of which is provided with a ring F.

The two members, both male and female in interengaged position, are shown particularly in Fig. 10.

The holes D may be provided any other place for the compression of the springs by means of the key.

The punch of the male member with its fixed ring, as well as the flaring mouth of the female member facilitate a better engaging of both members.

On the other hand the compression of the springs within the device being only possible by means of a special key, affords a good safety against any attempt of the prisoner to act on said springs by means of his fingers.

I wish it to be understood that the details of construction are merely illustrated and described by way of example and that they

may be modified as desired or according to the requirements of any special purpose, without departing from the scope of the invention.

Having now fully described my said invention, what I claim and desire to secure by Letters Patent, is:

1. A manacle, comprising in combination two members adapted to engage each other, means for retaining said members temporarily in engaged positions, a flexible connection such as a cord between said members and extending transversely through the same, a cam carried by each member for locking said cord in each member against movement in one direction, a suitable grasping device at each end of the cord, and means for disengaging said members from each other if desired, substantially as set forth.

2. A manacle, comprising in combination a member having a punch-shaped portion, catch springs carried by said punch-shaped portion, a fixed ring on the latter surrounding the intermediate portions of said springs, a member having a funnel-shaped portion to receive said punch-shaped portion, means carried by said funnel-shaped portion and engageable by said catch-springs whereby the punch-shaped portion may be securely retained within said funnel-shaped portion, a handle-shaped extension on both members, a flexible connection extending transversely through the extension of each member, means on each extension for preventing said connection from moving in one direction, and means for disengaging the members if desired, substantially as set forth.

3. A manacle, comprising in combination a member having a punch-shaped portion, catch-springs carried by said punch-shaped portion, a fixed ring on the latter surrounding the intermediate portions of said springs, a member having a funnel-shaped portion to receive said punch-shaped portion, suitable lugs provided within said funnel-shaped portion and engageable by said catch-springs whereby the punch-shaped portion may be securely retained within said funnel-shaped portion, suitable apertures in said funnel-shaped portion, and a suitable device adapted to be inserted through said apertures to disengage the catch-springs if desired, an extension on each member, a flexible connection extending transversely through each extension, and means carried by each extension for preventing said flexible connection from moving in one direction, substantially as set forth.

EUGÈNE EDMOND FISCHBACH.