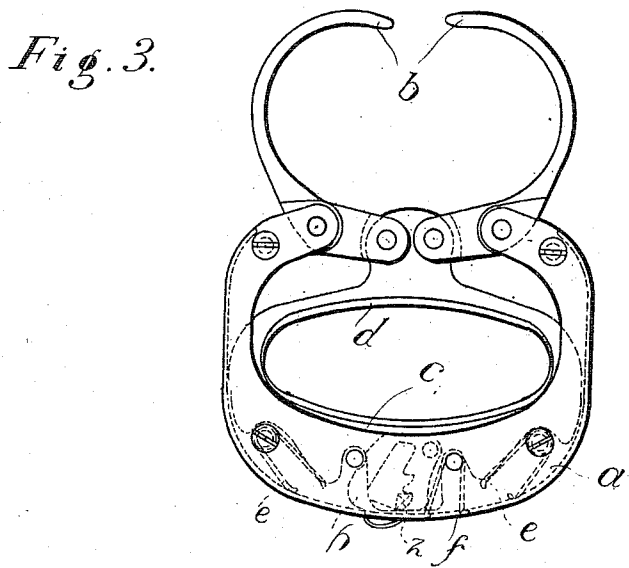
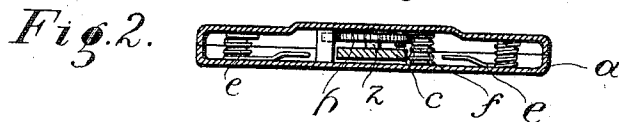
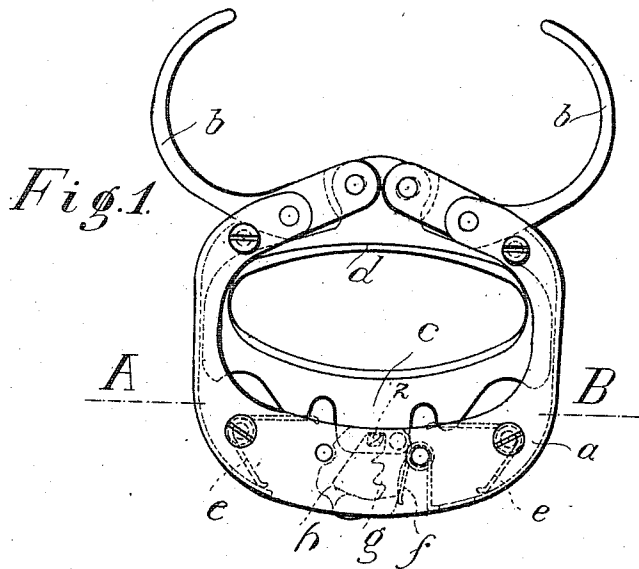


F. BUSCH.
HANDCUFF.

APPLICATION FILED SEPT. 1, 1910.

982,933.

Patented Jan. 31, 1911.



Witnesses:
Katherine Koch
Daniel Holmgren

Inventor:
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UNITED STATES PATENT OFFICE.

FRANZ BUSCH, OF DUISBURG, GERMANY.

HANDCUFF.

982,933.

Specification of Letters Patent.

Patented Jan. 31, 1911.

Application filed September 1, 1910. Serial No. 580,101.

To all whom it may concern:

Be it known that I, FRANZ BUSCH, inspector of police, a citizen of Germany, residing at Duisburg, Cecilienstrasse No. 34, in the Province of Rhineland and Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Handcuffs, of which the following is a specification.

For shackling persons, offering stubborn resistance to their being arrested, heretofore generally snaffle-chains were employed. These entail, however, the inconvenience that they can only be applied with both hands on which account it was frequently an impossibility for the policeman, to handcuff the person making a stout defense.

Now the present invention deals with a handcuff so shaped that by exerting a slight pressure it can be applied easily and rapidly by one hand only.

In the accompanying drawing, in which similar letters refer to similar parts throughout the several views, one form of embodiment of the handcuff is represented in Figures 1 and 3 in elevation in two different positions whereas Fig. 2 is illustrative of a cross-section taken on the line A—B of Fig. 1.

An oval clip or frame *a* with a groove extending all around its inside, has pivotally attached thereto two catch-fingers or jaws *b* bent in accordance with the wrist. These are lengthened inwardly beyond the center of motion and hinged at these extremities to a plate *c*, formed as a handle. The plate *c* carries a recess *d* allowing of commodiously passing the hand right through this; it is guided in the slot of the clip *a* and is acted upon by two springs *e*, tending to move the plate forwardly and thus the catch-fingers asunder. In this position the handcuff can be pushed commodiously from either side over the wrist. When pressing back the plate, the fingers become closed, gripping around the wrist. The construction of the catch-fingers *b* and of the plate *c* can be such, that the catch-fingers *b* are tightly

pressed against the wrist. Preferably, however, the arrangement is made, as represented, so, that the plate with the fingers is steadied in such a position in which the fingers grip loosely around the wrist. To this effect, the clip *a* has articularly fastened at the base in its slot a tumbler *h* fitted with two tangs *g*; this is pressed under the action of a spring *f* with its tangs *g* against a stud *z* arranged at the lower end of plate *c* in alinement with the tumbler; hereby the fixing in position of the catch-fingers in a more or less closed location is effected, in proportion as the plate *c* is moved more or less in downward direction and as the stud is moved over one or the other of the tangs *g*. The tumbler *h* extends at the bottom through a slot of the clip slightly outwardly so as to allow its being gripped here. By moving the tumbler *h* contrary to the action of the spring *f*, the stud *z* of the plate *c* can be released again. As soon as the stud has been released, the catch-fingers go back into their unlocked position under the influence of the springs *e*. Thus a mere pressure on the projecting part of the tumbler *h* is sufficient to unlock the handcuffs.

In place of two retaining tangs, the tumbler could of course have a greater number of tangs, or but a single tang, according to the size of the arm to be embraced. The movement of plate *c* could obviously be effected by a single spring if desired.

I claim:—

A hand cuff comprising an oval frame, a handle encompassed by said frame and slidably engaging the same, a pair of jaws pivotally connected to the frame and handle, a notched spring-influenced tumbler pivoted to the frame, and a stud on the handle alined with the tumbler and adapted to be interlocked therewith upon a depression of the handle.

FRANZ BUSCH.

Witnesses:

LOUIS VANDORY,
OSCAR DEPNER.