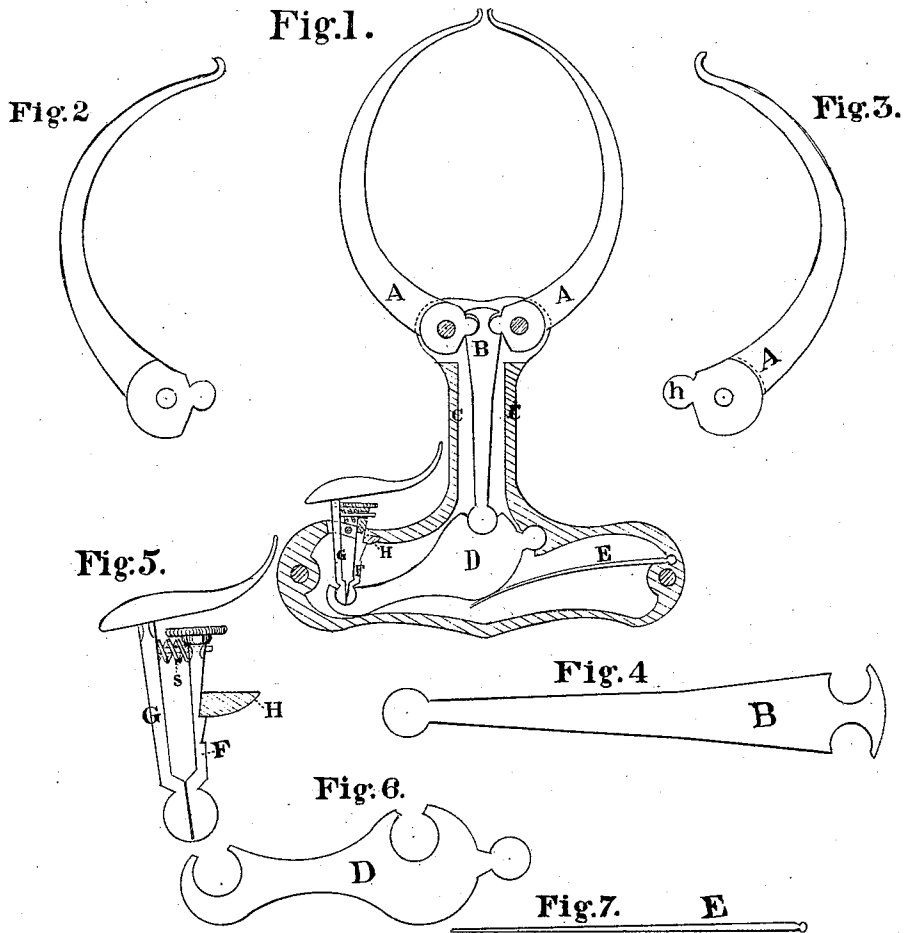


Lutz, Royce, Trenor & Chadwick,

Policemans Nippers.

No. 102563.

Patented May 3, 1870.



Witnesses.
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GEORGE LUTZ, DANFORTH H. ROYCE, MICHAEL TRENOR, AND ROBERT CHADWICK, OF COLUMBUS, OHIO.

Letters Patent No. 102,563, dated May 3, 1870.

IMPROVED POLICEMAN'S NIPPERS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern :

Be it known that we, GEORGE LUTZ, DANFORTH H. ROYCE, MICHAEL TRENOR, and ROBERT CHADWICK, of Columbus, in the county of Franklin and State of Ohio, have invented a new and valuable Improvement in Policeman's Nippers; and we do hereby declare that the following is a full, clear, and exact description of our invention, reference being had to the accompanying drawings and the letters and figures of reference marked thereon, and which said drawings are made a part of this specification.

Our invention relates to means for enabling a policeman, constable, sheriff, or other executive officer to grasp and firmly hold an arm of an arrested person, so as to prevent escape; and

It consists in a novel arrangement and combination of devices intended to serve as valuable and effective means for the purpose mentioned.

A, of the drawings, represents two hooks or clasps, each having an ear marked *h* and arranged for pivoting in a slot in the top of the handle, as shown.

C represents the handle, which is made hollow throughout, for the purpose of holding and securing the devices hereinafter described.

B represents a connecting-bar formed with shoulders at its upper end, adapted to clasp and hold the ears *h* of the hooks. This connecting-bar is arranged in the upright or perpendicular part of the handle, its base resting upon the tumbler D, next mentioned.

D represents a tumbler; its right-hand end rests in a shoulder of the handle, and operates when on duty in the same manner as if it were pivoted therein.

It has a circular shoulder at *i*, formed to receive and actuate the lower end of the connecting-bar, as shown on Figure 1, and it has also at its left-hand end a similar circular shoulder or recess adapted to receive and actuate the lower ends of the thumb-rod and ratchet, as shown on said figure, and as hereinafter described.

G represents a thumb-rod having a circular top adapted for operation by the holder's thumb, and a semicircular bottom adapted to sit and work in the recess at the left-hand end of the tumbler.

F represents an upright ratchet-bar, the lower semicircular end of which rests in the recess in the tumbler, and by the side of the thumb-rod, as shown on fig. 1 of the drawings. The ratchet-teeth on the side of this bar are intended respectively to engage under the small cross-bar H, and hold the mechanism in place when desirable so to do.

S represents a spring interposed between the thumb-rod G and the ratchet-bar F, in the manner shown on Figure 5, the office of which is to actuate said ratchet-bar.

E represents a spring arranged in the transverse part of the handle, as shown with its left-hand end resting firmly against the lower side of the tumbler D. The office of this spring is to throw said tumbler and connecting-rod B upward, and thereby close the hooks or clasps whenever the operator shall desire so to do.

To operate our device the officer presses down the thumb-rod, and thereby closes the hooks around a wrist of the person he wishes to secure. As this is being done, the spring S forces the ratchet-bar against the cross-bar H, and one of the teeth of said bar is made to engage with said bar and hold the hooks firmly together around the wrist, clasped as above mentioned.

To release the hooks from such wrist, the operator moves the top of the ratchet-bar slightly to the left. This movement disengages the ratchet from its shoulder and the hooks are unclasped.

What we claim as our invention is—

The combination of the clasps A, connecting-rod B, tumbler D, springs E and S, thumb-rod G and ratchet-bar F, as and for the purposes specified.

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Witnesses:

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