

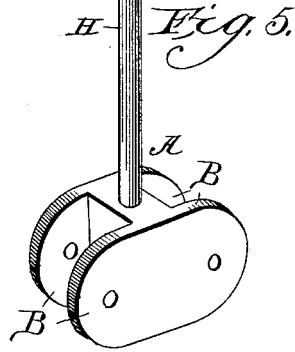
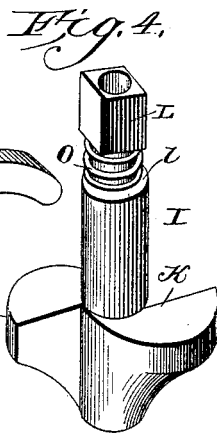
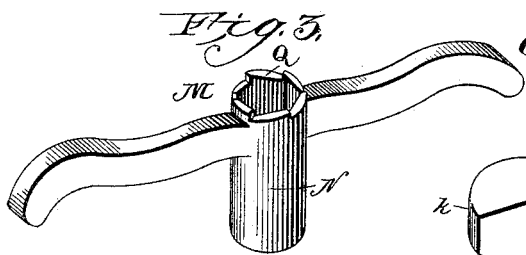
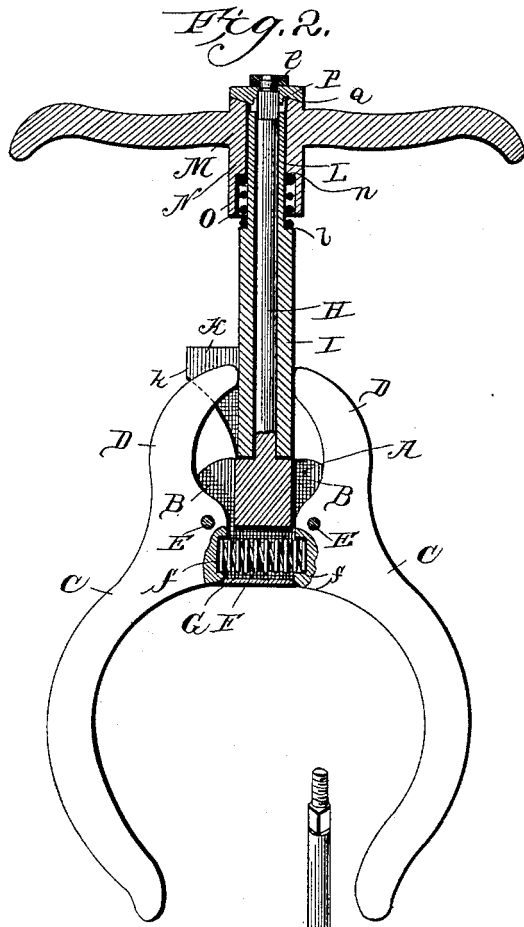
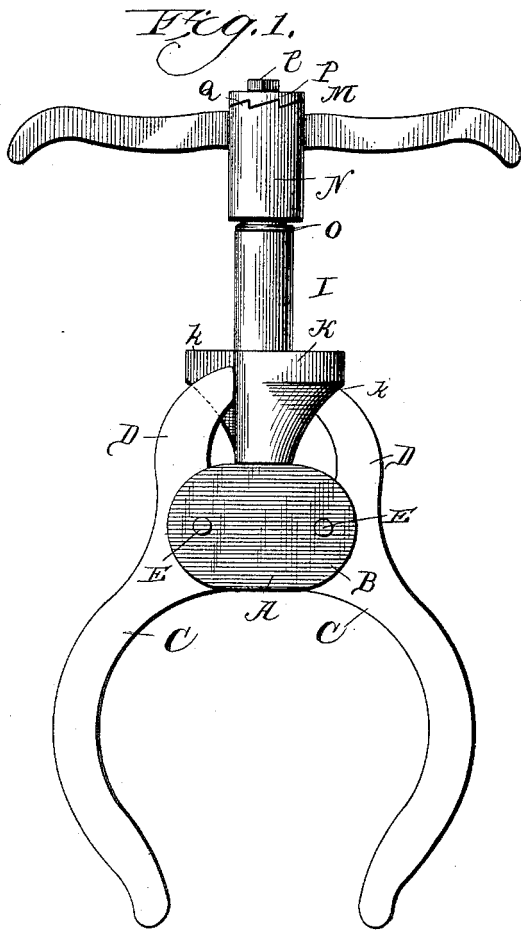
(No Model.)

A. EISAMAN & G. ROME.

POLICE NIPPERS.

No. 394,162.

Patented Dec. 11, 1888.



Witnesses,
Henry G. Dieterich,
C. E. Doyle.

Inventors,
Amos Eisaman and
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UNITED STATES PATENT OFFICE.

AMOS EISAMAN, OF PUTNAM, AND GEORGE ROME, OF MANSFIELD VALLEY,
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POLICE-NIPPERS.

SPECIFICATION forming part of Letters Patent No. 394,162, dated December 11, 1888.

Application filed June 4, 1888. Serial No. 275,967. (No model.)

To all whom it may concern:

Be it known that we, AMOS EISAMAN and GEORGE ROME, citizens of the United States, residing, respectively, at Putnam and Mansfield Valley, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Police-Nippers, of which the following is a specification.

The invention relates to improvements in police-nippers, having for its object to provide a simple, strong, and reliable device; and it consists in a certain novel construction and combination of devices, fully set forth hereinafter in connection with the accompanying drawings, wherein—

Figure 1 is a side view of the nippers embodying our improvements. Fig. 2 is a longitudinal sectional view. Fig. 3 is a detail perspective view of the handle. Fig. 4 is a similar view of the cam and its shaft. Fig. 5 is a similar view of the body of the nippers with its integral spindle.

Referring to the drawings, A designates the body of the nippers, which is provided on its opposite sides with the apertured ears B B, between which are mounted the jaws C C, having the upwardly-extending operating-arms D D. The pivot pins or bolts E E are arranged in the aligned apertures in the said ears and pass through registering apertures in the jaws. The coiled spring F is arranged in a recess, G, in the body and bears at its ends in shallow sockets *f f* in the inner sides of the jaws, whereby the latter are normally held separated.

On a vertical spindle, H, preferably integral with the body A, is mounted the hollow shaft I, which is provided at its lower end, between the operating-arms of the jaws, with the double cam K, comprising the eccentric wings *k k*, which bear, respectively, against the said operating-arms when the shaft is turned and separate the same, thereby drawing the jaws together.

The upper end of the hollow shaft is squared, as seen at L, below the lower end of which squared portion is the shoulder *l*, and the handle M is provided with a central barrel, N, having a squared vertical recess, which is mounted on the squared upper end of the hol-

low shaft. This barrel is further provided with the interior shoulder, *n*, and within the lower end of the barrel is arranged the spring O, which bears at its opposite ends against the shoulders *l* and *n*.

The upper end of the spindle is squared, and on this squared portion is mounted the ratchet-plate P, having a circular series of ratchet-teeth on its under side to engage a similar series of ratchet-teeth, Q, on the upper end of the barrel of the handle. The ratchet-plate is held in place rigidly on the end of the shaft by means of a nut, *p*, which is screwed on a projecting threaded end of the same.

The handle is capable of vertical movement on the hollow shaft, so that the ratchets can be disengaged to allow the shaft to be rotated by the handle on the spindle; but the spring O normally holds the handle raised and the ratchets engaged. When the handle is rotated so that the cam closes the jaws against the strength of the spring F, the ratchets slip idly over each other; but the handle cannot be turned in the opposite direction without previously depressing the handle and disengaging the ratchets.

It will be readily seen that the improved nippers may be operated with one hand, and the jaws are of a shape to firmly clasp either a large or a small wrist; and it will also be evident that the combination of the cam and operating-levers herein described and shown enables the operator to operate the jaws with great power.

Having thus described the invention, we claim—

1. The nippers having the pivoted jaws provided with operating-arms on their upper ends, in combination with the cam located between the operating-arms and adapted when rotated to operate the said arms simultaneously, and the handle connected to the cam and provided with locking means to hold it in the desired position, substantially as specified.

2. In nippers, the body provided with a vertical spindle, H, and the jaws mounted on the body and provided with operating-arms, in combination with the hollow shaft mounted on the spindle and provided with a cam, K,

to operate the jaws, the handle mounted on the squared upper end of the hollow shaft and adapted to slide vertically thereon, the stationary ratchet-plate attached to the upper end of the spindle and adapted to be engaged by a similar ratchet on the upper end of the handle, and the spring to press the handle upward and hold its ratchet in engagement with the ratchet-plate, substantially as specified.

3. In nippers, the body A, having lateral ears B, and the spindle H, the jaws C, mounted between the ears and provided with operating-arms D, and the spring E, arranged in the body between the jaws to normally hold them separated, in combination with the hollow shaft mounted on the spindle and provided with a squared upper end, and the shoulder l, the cam at the lower end of the shaft, the

handle having a central barrel mounted on the squared portion of the barrel and provided with the interior shoulder, n, and the ratchet Q, the ratchet-plate attached rigidly to the spindle above the ratchet Q, and the spring O, coiled around the hollow shaft and bearing at its ends against the shoulders l n, whereby the ratchet Q is held normally in engagement with the ratchet-plate, substantially as and for the purpose specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

AMOS EISAMAN.
GEORGE ROME.

Witnesses:

O. R. COOKE,
A. D. WILKIN.