

No. 641,765.

Patented Jan. 23, 1900.

J. V. CUNIFF.
HOLDER FOR COP SKEWERS.

(Application filed Oct. 19, 1899.)

(No Model.)

Fig: 1.

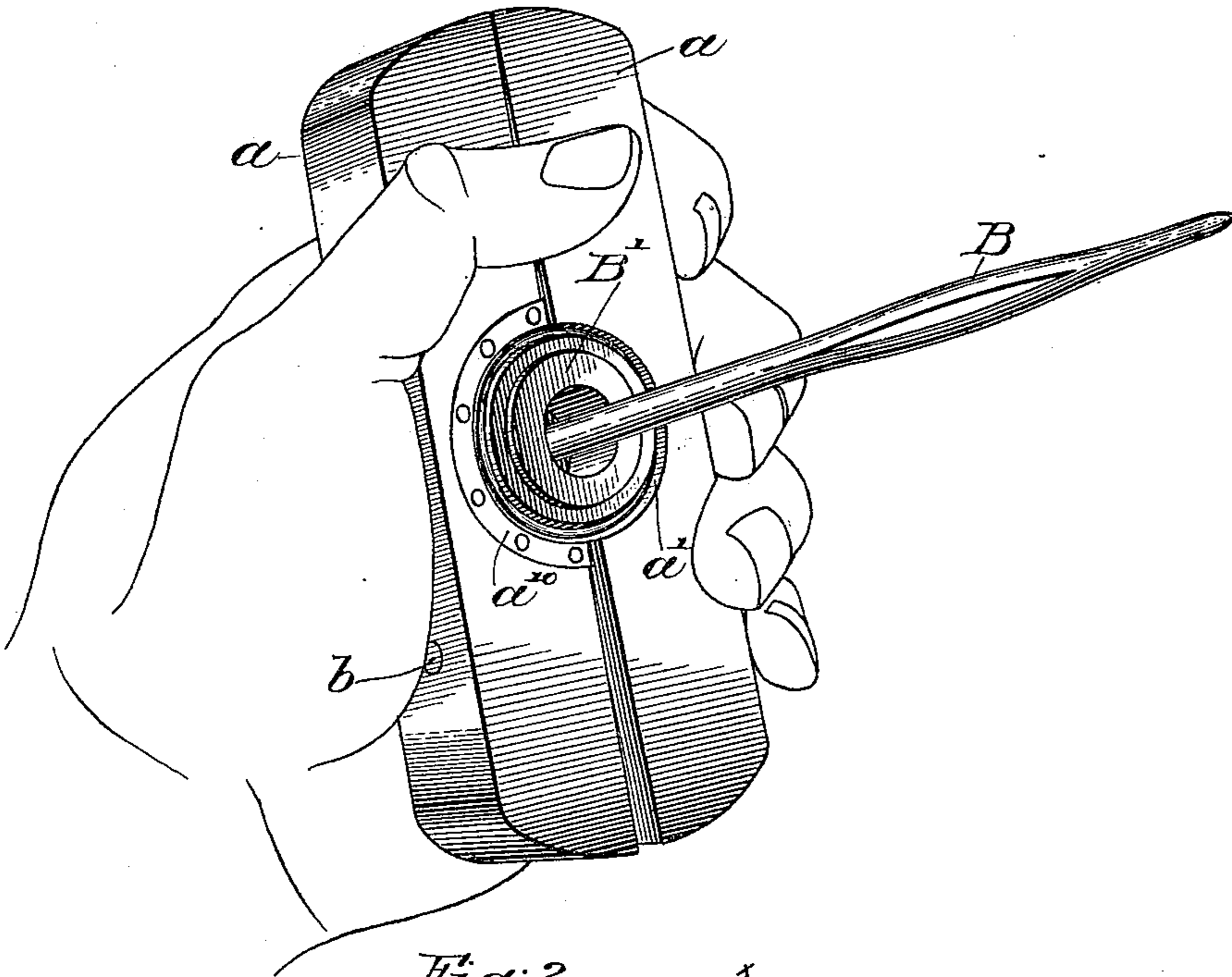
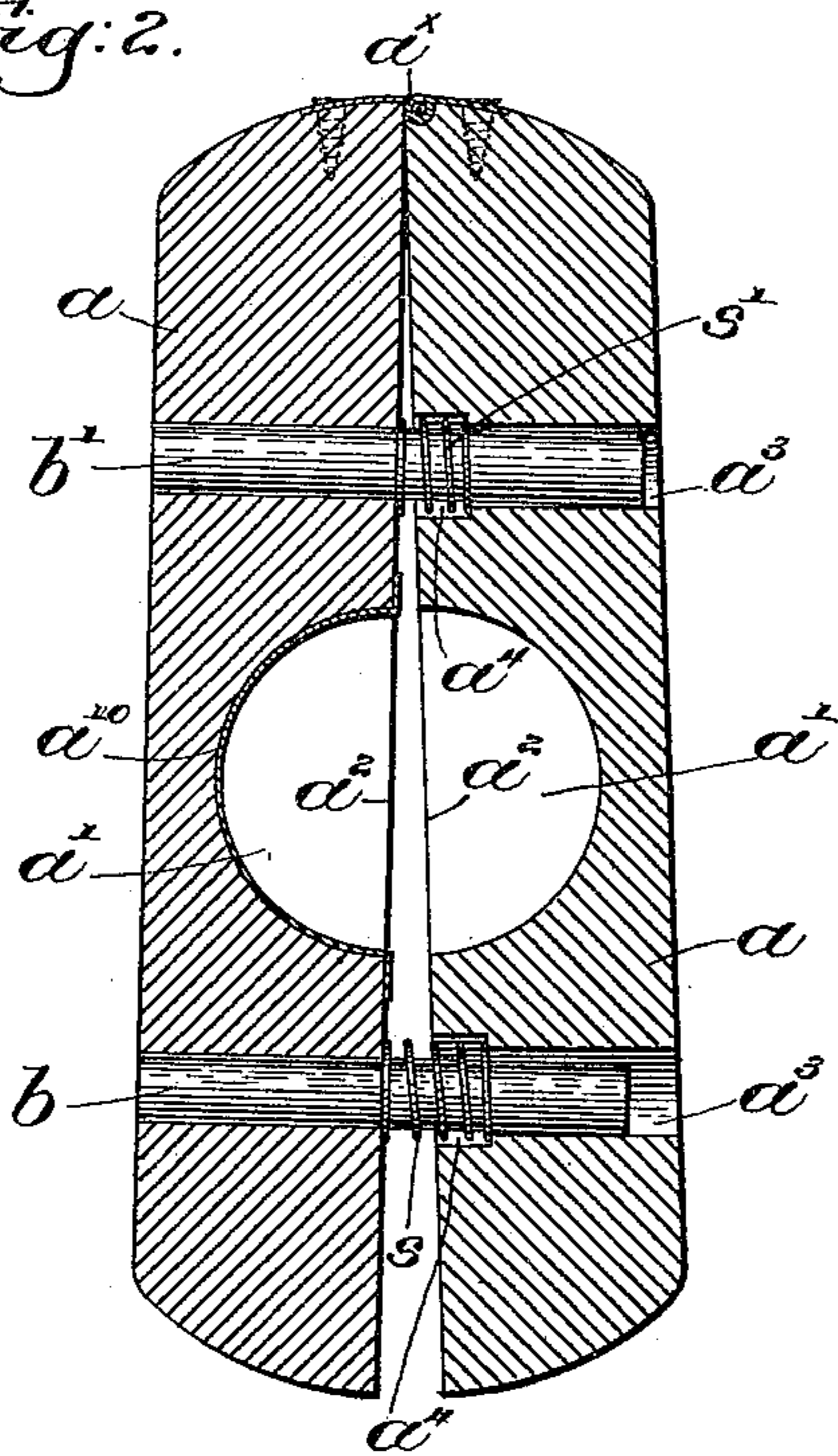


Fig: 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN V. CUNNIFF, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR TO
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HOLDER FOR COP-SKEWERS.

SPECIFICATION forming part of Letters Patent No. 641,765, dated January 23, 1900.

Application filed October 19, 1899. Serial No. 734,053. (No model.)

To all whom it may concern:

Be it known that I, JOHN V. CUNNIFF, a citizen of the United States, residing at New Bedford, county of Bristol, State of Massachusetts, have invented an Improvement in Holders for Cop-Skewers, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 In the Northrop looms provided with automatic filling-supplying mechanism, one form of which is embodied in United States Patent No. 529,940, granted November 27, 1894, the cops of yarn are put on the headed skewers
15 by hand, the filling-carriers so made being inserted automatically in self-threading shuttles. While the base or head of the skewer is large enough to be firmly held in the shuttle, it is not large enough to be held properly
20 by the operative when putting a cop on the skewer, so that as a good grip cannot be had the operation is awkward and difficult.

This invention has for its object the production of a simple and effective temporary
25 holder which receives and grips the head of the skewer, the operative grasping the holder with one hand while putting on the cop with the other hand.

30 Figure 1 is a perspective view of a skewer gripped in a holder embodying my invention, and Fig. 2 is a sectional detail through the holder.

I have herein shown the holder as consisting of a two-part handpiece, the like parts *a*
35 *a*, preferably made of wood oblong in shape and of a size convenient to be grasped by the hand, being partially connected at one end by a suitable hinge *a^x*, Fig. 2. The adjacent inner faces of the parts are provided with
40 semicircular recesses or half-seats *a' a'*, the open sides of the seats registering when the parts *a* are closed, so that a circular separable seat is formed having a flat bottom *a² a²*.

As shown in Fig. 2, two studs *b b'* are rigidly
45 secured to one of the parts *a*, projecting from its inner face at opposite sides of the half-seat *a'* and entering larger holes *a³* in the other part of the holder, said holes being shown as counterbored at their inner ends at *a⁴*. Coiled
50 springs *s s'* surround the studs between the faces of the separable parts of the holder, and said springs are seated in the counterbored

ends of the holes, the parts *a a* being normally separated by the springs, as shown in Fig. 2. The studs then engage the sides of the holes
55 *a³* and act as stops to limit the opening of said parts.

When the operative desires to place a cop on the skewer B, Fig. 1, he grasps the holder in one hand, inserts the head B' of the skewer
60 in the open seat, and then closing his hand clamps the skewer-head between the parts of the holder, the latter thus serving as a temporary handpiece, and while the skewer is thus held the operative with his free hand
65 places the cop on the skewer. Upon relaxing the pressure on the holder the springs open it and the skewer is instantly released.

The seat when closed is made slightly smaller than the skewer-head in order to more
70 firmly grip the latter, and, if desired, a soft lining *a¹⁰*, of leather or other suitable yielding material, may be applied to the side of the seat.

My invention greatly simplifies and expedites the work of skewering cops and at the
75 same time relieves the hand of the operative from injury when tightly grasping the bare head of the skewer.

Having fully described my invention, what
80 I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a holder for cop-skewers, consisting of a two-part handpiece each part having a half-seat formed
85 therein, to register when the holder is applied to a cop-skewer, the head of the latter being received and gripped in the seat, and means to normally and yieldingly separate the parts.

2. As a new article of manufacture, a holder
90 for cop-skewers, consisting of two leaves pivotally connected and having their adjacent faces oppositely recessed to form a seat for the head of a cop-skewer, a spring to normally separate the leaves, and a stop to limit their
95 separation.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN V. CUNNIFF.

Witnesses:

LILY F. DARCY,
ALEXANDER MCL. GOODSPEED.