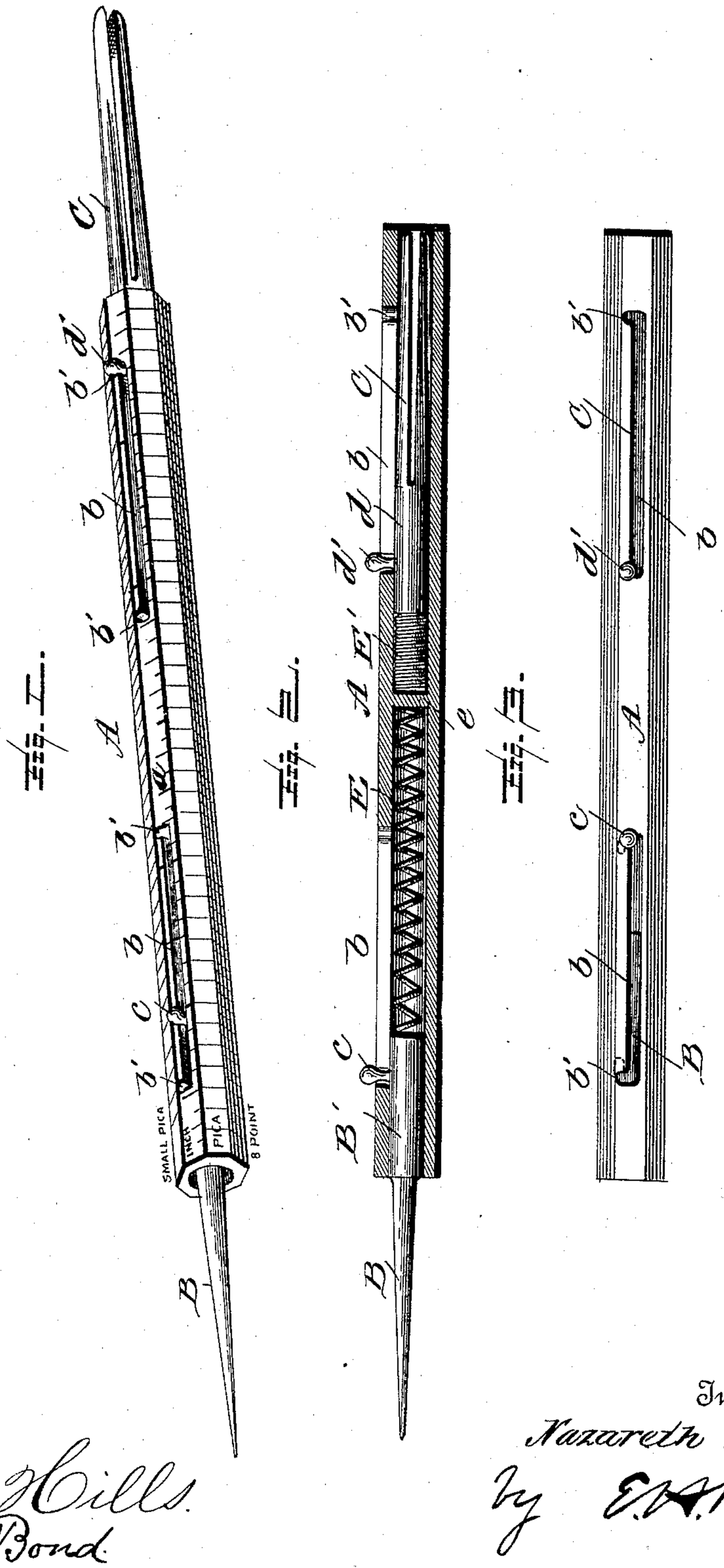
(No Model.)

# N. BUNCH.

## PRINTER'S COMBINATION TOOL.

No. 468,595. Patented Feb. 9, 1892.

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# UNITED STATES PATENT OFFICE.

NAZARETH BUNCH, OF WASHINGTON, DISTRICT OF COLUMBIA.

## PRINTER'S COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 468,595, dated February 9, 1892.

Application filed October 14, 1891. Serial No. 408,700. (No model.)

*To all whom it may concern:*

Be it known that I, NAZARETH BUNCH, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Printers' Combination-Tools; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in printers' appliances; and it has for its objects, among others, to provide a simple device in which shall be embodied a plurality of implements daily used by printers, said implements or devices being compactly arranged, so as to occupy minimum space, and yet always ready for use, either single or conjointly. I provide a rule, preferably a six-inch rule having a plurality of faces or sides, upon which are affixed different type-measures and within which are arranged a bodkin and tweezers, said bodkin and tweezers being constructed to be moved independently of each other, so that they may be used the one independent of the other or both moved out, so as to be ready for use at the same time. Suitable means are provided for holding the bodkin and tweezers in their extended or closed positions. They are held against entire removal from the rule.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of my improved implement with the bodkin and tweezers extended. Fig. 2 is a central longitudinal section through the same, showing a modified form with the bodkin extended and the tweezers closed within the rule. Fig. 3 is a plan with both bodkin and tweezers closed within the rule.

Like letters of reference indicate like parts throughout the several views in which they occur.

Referring now to the details of the drawings by letter, A designates a rule, preferably a six-inch rule, octagonal in form and hollow, as seen in Figs. 1 and 2. Upon one of the faces there are divisions of an inch and fractions thereof, as seen at *a*, and this face is provided with two longitudinal slots *b*, one upon each side of the longitudinal center of the rule, as shown, each slot communicating with the hollow interior of the rule, and each having at each end a substantially right-angled portion *b'* for a purpose which will hereinafter be made apparent. The other faces of the rule are provided with the different type-measures, as for small pica, pica, eight-point, and other sizes of type, as seen in Fig. 1, which may have a designating-mark at the end or any other point, as, for instance, at the end, as shown in Fig. 1.

B is a bodkin arranged to slide within one-half of the rule, and adapted, when closed therewithin, to be concealed from view. It has a shank B', which should be a comparatively snug fit to the bore of the rule, and from this shank extends, at right angles thereto, a stud or pin *c*, which is designed to work in the slot in the rule, said pin or stud projecting sufficiently beyond the face of the rule to afford means for manipulating the bodkin.

C are tweezers arranged to slide within the other half of the rule, and provided with a shank *d*, from which projects a like stud or pin *d'* to work in the slot of the rule and for a like purpose.

When not in use, the bodkin and tweezers may be pushed into the rule and hidden from view, as seen in Fig. 3, and to prevent them from being accidentally moved out when it is desired to use the rule or type-measures the right-angled portions of the slots are provided, the studs or pins being moved into the said right-angled portions, as seen in said Fig. 3, so that a partial rotation of the bodkin or tweezers will be necessary before they can be moved lengthwise of the rule. In the same way they are held from being pushed in when drawn out for use.

I may sometimes employ a spring E for the purpose of forcing out the bodkin or tweezers,

or both, as seen in Fig. 2, the springs being confined between the inner ends of the bodkin and tweezers and the partition or stop *e*, centrally within the rule, as shown in Fig. 2. It will be readily seen how, when the bodkin or tweezers are turned partially, so as to disengage the stud or pin from the right-angled portion of the slot, the spring will force the implement outward until the stud or pin engages the wall at the other end of the slot. When the implement is pushed in, it compresses the spring, as seen at the right of Fig. 2, the implement being partially rotated to engage the stud or pin with the inner right-angled portion of the slot.

The advantages of such an implement as above described will be apparent. It can be manufactured at a minimum cost, is durable, and will fill a long-felt want.

The springs may be omitted without departing from the spirit of or sacrificing any of the advantages of the other features of the invention.

It is especially advantageous to have the bodkin and tweezers so arranged in relation to the rule that they may be moved bodily into the rule and held therein when it is desired to use only the rule.

What I claim as new is—

1. A combination-tool for printers' use, comprising a hollow rule with type-measures upon one or more of its faces, a bodkin bodily slidable within the rule, tweezers also bodily slidable within the rule, and means for holding the bodkin and tweezers at either end of their movement, substantially as specified.

2. A combination-tool for printers' use, comprising a hollow octagonal rule having upon its faces different type-measures and divisions of an inch, a bodkin endwise movable and partially rotatable within the rule, tweezers endwise movable and partially rotatable within the rule independent of the bodkin, and provisions for holding the bodkin and tweezers independently of each other against endwise movement at either end of their movement, substantially as and for the purpose specified.

3. The combination-tool for printers' use, comprising a hollow octagonal rule having central partition and type-measures upon its faces and longitudinal slots upon one face upon opposite sides of said partition with right-angled end portions, endwise-movable and partially-rotatable bodkin and tweezers within the rule and provided with pins working in the slots, and springs within the rule between the inner ends of the bodkin and tweezers and the said partition, as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

NAZARETH BUNCH.

Witnesses:
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