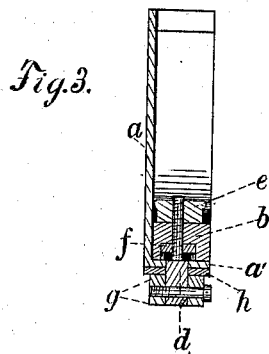
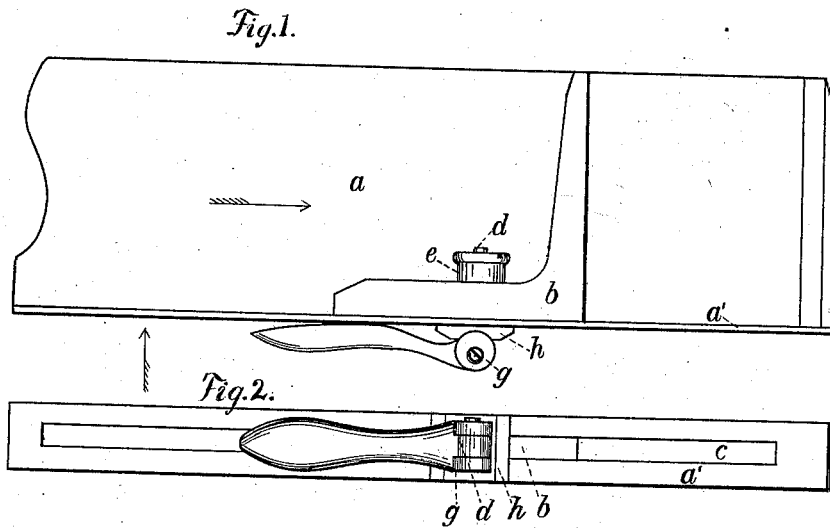


H. C. FENTON.
Printer's Composing-Stick.

No. 198,913.

Patented Jan. 1, 1878.



Witnesses:
Robt. J. Gaylord
Michael H. Rooby

Inventor:
H. C. Fenton
 By W. E. Simonds
Atty.

UNITED STATES PATENT OFFICE.

HIRAM C. FENTON, OF WETHERSFIELD, ASSIGNOR OF ONE-HALF HIS RIGHT
TO WM. H. CHAMPLIN, OF STAFFORD SPRINGS, CONNECTICUT.

IMPROVEMENT IN PRINTERS' COMPOSING-STICKS.

Specification forming part of Letters Patent No. **198,913**, dated January 1, 1878; application filed
December 7, 1877.

To all whom it may concern:

Be it known that I, HIRAM C. FENTON, of Wethersfield, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements pertaining to a Printer's Composing-Stick, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a top view. Fig. 2 is a side view. Fig. 3 is a sectional view on plane *x x*.

The letter *a* denotes the body, and *b* the adjustable gage. The side of the body is provided with the mortise *c*. Through this mortise runs the screw-pin *d*, bearing on its inner end the nut *e*, also the nut *f*, and pivoted at its outer end to the lever-cam *g*. Between the lever-cam and the side *a'* of the body is interposed the friction-block *h*.

The nut *f* lies in a chamber made in the gage *b*. The gage is fastened at any desired point by throwing the lever-cam down to the position shown in the drawings. It is loosened, so that it can be moved back and forth, by throwing the lever-cam outward.

The friction-block *h* is interposed between the cam and the side or flange *a'* for two pur-

poses—to wit, to prevent the cam from wearing the side or flange *a'*, and to give increased holding power.

The attachment of the pin *d* to the gage by means of the two nuts is for the purpose of taking up any slack that may be caused by the wear of the cam on the friction-block.

I am aware that in composing-sticks the gage has been held to place by a pin and nut, and also by a lever-cam; and neither of these do I claim as my invention, as my invention consists in the provision I have made for preventing wear of the body and adjustable gage, and for taking up the slack caused by wear of the cam; and

I claim as my invention—

1. In combination, the body *a*, gage *b*, pin *d*, nuts *e f*, and lever-cam *g*, all arranged substantially as shown and described.

2. In combination, body *a*, gage *b*, pin *d*, nuts *e f*, lever-cam *g*, and friction-block *h*, all arranged substantially as shown and described.

HIRAM C. FENTON.

Witnesses:

ROBT. F. GAYLORD,
W. E. SIMONDS.