# W. T. Tillinghast.

## Composing Stick.

No. 54979. Patented May 22. 1866.

Fig. 1.

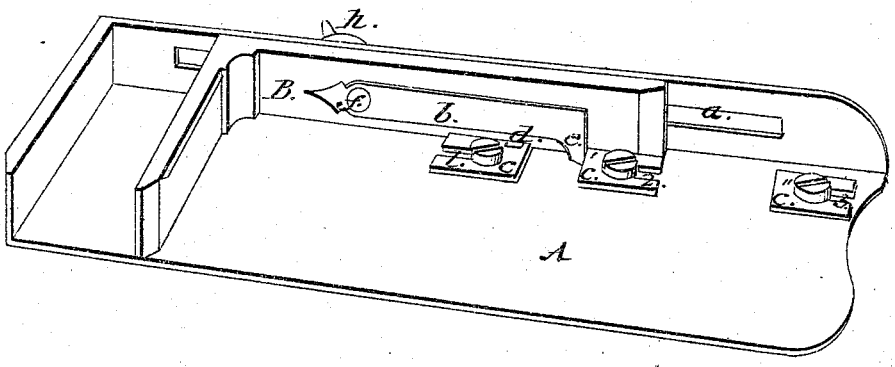
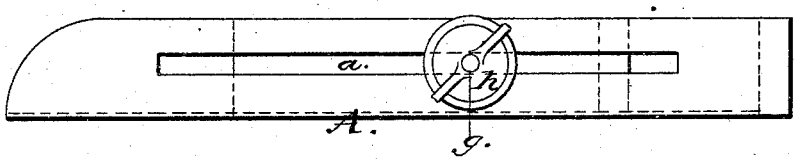



Fig. 2.




Inventor
Robt Moore
Wm Dodgen

Inventor;
William G Tillinghast.

# UNITED STATES PATENT OFFICE.

WILLIAM T. TILLINGHAST, OF DAYTON, OHIO.

## IMPROVEMENT IN COMPOSING-STICKS.

Specification forming part of Letters Patent No. **54,979**, dated May 22, 1866; antedated May 7, 1866.

*To all whom it may concern:*

Be it known that I, WM. T. TILLINGHAST, of Dayton, Montgomery county, Ohio, have invented a new and useful Improvement in Composing-Sticks, of which the following is a full and cear description thereof, reference being had to the accompanying drawings, making part of this specification.

The material used in constructing the stick may be of wood or metal. The improvement does away with the cross-pieces and screws heretofore used, and in their places is substituted a clamping-nut, which secures the slide B to the back of the stick; also, one or more adjustable check-blocks and checking-bar attached to the slide in place of the usual devices for measuring the ems.

Figure 1 is a perspective view of my improved composing-stick. Fig. 2 is an elevation of the back side of the stick with the clamping-nut.

A is the stick. B is the gaging-slide. *b* is the checking-bar. *c*, *c'*, and *c''* are check-blocks having slots 1, 2, and 3. The check-blocks *c* *c'* *c''* are secured in any desirable position by set-screws. In check-block *c* is a mortise, *d*, which is for the purpose of receiving the point *e* of checking-bar *b*. Checking-bar *b* is pivoted to gaging-slide B at *f*. Through slot *a*, in the back of the composing-stick A, passes the screw-shaft *g*, which carries the clamping-nut *h*, screw-shaft *g* being firmly secured to gaging-slide B.

When the stick is used for setting full measure, as for newspaper-column, the slide B is thrown back until the point *e*, checking-bar *b*, comes in contact with check-block *c''*. Since all printed columns are not of the same measure, the check-block *c''* may be readily moved by loosening its set-screw and afterward tightening it when the desired position has been given the check-block. The clamping-nut thus secures the gaging-slide B in the desired position.

When one-third measure is required the slide B is moved forward until the point *e*, bar *b*, is inserted in the mortise *d* in checking-block *c*. For one-half measure the point *e* of bar *b* abuts against the front end of checking-block *c'*. When the measure requires a long stick and is constantly varying the check-blocks *c*, *c'*, and *c''* may be dispensed with and reliance placed upon the slot *a* and clamping-nut *h*.

Having described my invention, and made clear its advantages, I make the following claim:

The gaging-slide B, screw-shaft *g*, and clamping-nut *h*, in combination with check-blocks *c* *c'* *c''* and checking-bar *b*, constructed and operating as above shown, and for the purpose set forth.

WILLIAM T. TILLINGHAST.

Attest:

WM. DOEGEN,

ROBT. MOORE.