

R. C. Young,
Compassing Stick.

No. 108529.

Patented Oct. 18. 1870.

Fig. 1.

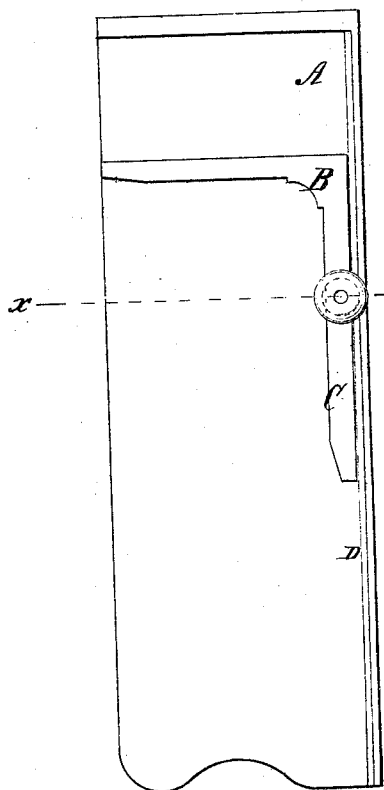


Fig. 3.

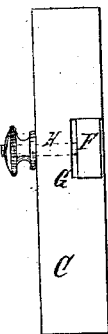


Fig. 4.

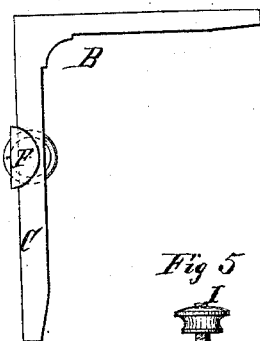
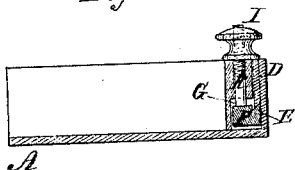


Fig. 5.



Witnesses:
G. W. Ahlers
C. F. Hastenhuber

Fig. 2.



Inventor:

Robert Clark Young
By Vansant & Hauck
his atty

United States Patent Office.

ROBERT CLARK YOUNG, OF MIDDLETOWN, CONNECTICUT, ASSIGNOR TO
OLIVER FRANKLIN GROVER, OF SAME PLACE.

Letters Patent No. 108,549, dated October 18, 1870.

IMPROVEMENT IN COMPOSING-STICKS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, ROBERT CLARK YOUNG, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Printers' Composing-Stick; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a plan view of my improved stick.

Figure 2 is a transverse vertical section in the line *xx* of fig. 1.

Figure 3 is an elevation of the knee of the stick, detached.

Figure 4 is an under-side view of the knee.

Figure 5 is a detached view of the clamp.

Similar letters indicate corresponding parts.

This improvement relates to printers' composing-sticks, and consists in the combination and arrangement of certain parts, all of which will be hereinafter more fully set forth.

In the example of my invention which I have here shown.

The letter A designates the body of the stick, and B the knee, whose limb C is in contact with the vertical flange D of the stick.

The flange D, on its inner side, has a groove, E, whose upper edge is made of a dovetail form, as is shown in fig. 1, in order to receive the dovetailed edge of the clamp F.

The clamp F is a block loosely fitted in the socket G, formed in that side of the limb C which is next to the flange D of the stick, and it is so formed as to slide loosely in the groove E, its upper edge corresponding in shape to the top of the groove, and the joint thus formed serves to hold the knee to the body of the stick, notwithstanding that the knee is free to slide back and forth therein.

In the top of the clamp is fixed one end of a screw which extends upward through the limb C of the knee, and above it, where it receives a thumb-nut, I, by means of which the clamp is operated, and the knee clamped at any desired position in the stick.

The nut I bears on the knee, and when I desire to lock the knee at any point, I turn the nut and thereby draw the clamp against the upper edge of the groove E, and press the knee down upon the stick.

What I claim as new, and desire to secure by Letters Patent, is—

The flange D of the stick A, formed with a groove, E, its edge being of a dovetail form, arranged to operate in connection with the clamp F fitted in the socket G of the limb C of the knee B, said clamp being constructed as described, and operated by the vertical screw I, substantially as set forth.

ROBERT CLARK YOUNG.

Witnesses:

E. W. N. STARR,

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