

W. GILBERT.

Printers' Side-Stick and Quoins.

No. 164,543.

Patented June 15, 1875.

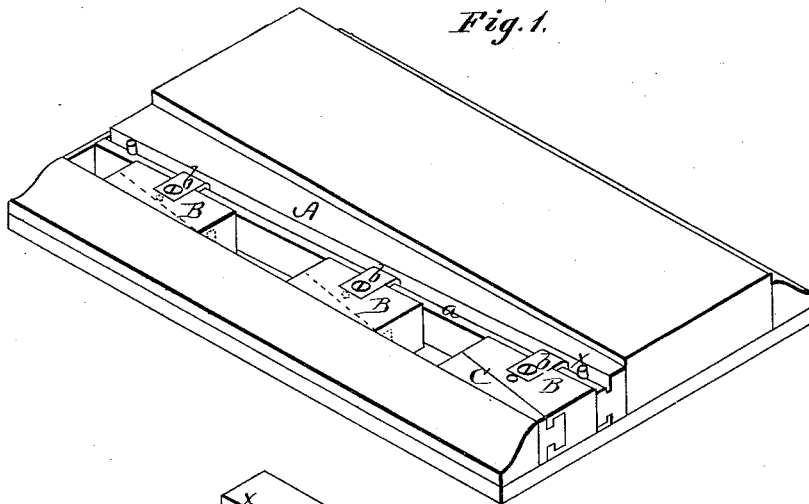


Fig. 1.

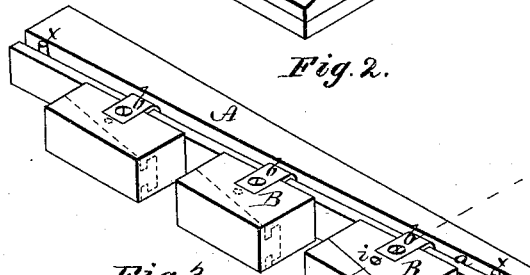


Fig. 2.

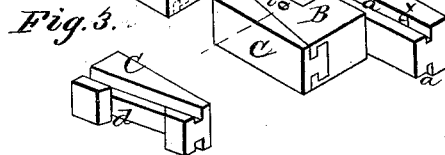


Fig. 3.

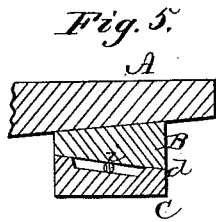


Fig. 5.

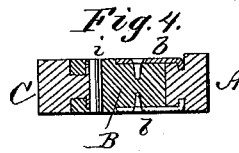


Fig. 4.

WITNESSES

Henry N. Miller
C. L. Evert

INVENTOR

Wm. Gilbert.
per Alexander Mason
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM GILBERT, OF CATSKILL, NEW YORK.

IMPROVEMENT IN PRINTERS' SIDE-STICKS AND QUOINS.

Specification forming part of Letters Patent No. 164,543, dated June 15, 1875; application filed October 27, 1874.

To all whom it may concern:

Be it known that I, WILLIAM GILBERT, of Catskill, in the county of Greene and in the State of New York, have invented certain new and useful Improvements in a Printer's Side-Stick and Quoin; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the combination of a two-part quoin, one part having a tongue and the other a groove, a stop-pin, L-shaped plates, and a longitudinally-grooved side-stick, all as hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of a printer's galley, showing my invention. Fig. 2 is a perspective view of the combined side-stick and double quoins. Fig. 3 is a perspective view of one part of the two-part quoin. Fig. 4 is a section through the line *x x*, Fig. 2; and Fig. 5 is a horizontal section through the double quoin.

A represents the ordinary wedge-shaped side-stick, which is provided on each side with a longitudinal groove, *a*, running parallel with the inclined side of the stick. The quoin is made in two parts, B and C, the part B being held against the inclined side of the stick by means of L-shaped metal plates *b b*, fastened, one on one side and two on the other, to the

part B, and having their ends inserted in the grooves *a* on the stick. The two parts of the quoin are made in wedge form, as shown, and in the outer side of the part B is formed a longitudinal T-shaped groove. Along the inner side of the part C is formed a tongue, *d*, to fit in the groove and hold the two parts of the quoin together. This tongue is, however, cut out for a certain distance in the center, as shown in Figs. 3 and 5, and a pin, *i*, is passed through the part B and through the cut-out part of the tongue *d*, to form a stop to limit the movement of the part C on the part B and prevent them from coming apart.

The quoins are prevented from being detached from the stick A by means of pins or stops *x* in the grooves on said stick.

It will readily be seen that, by this construction of the quoins and stick, the quoins cannot come loose or detached from the stick; neither can the two parts of the quoin become detached, but they will remain together.

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

The combination of the two-part quoin B C, one part having a tongue and the other a groove, the pin *i*, L-shaped plates *b*, and the stick A, with grooves *a*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of October, 1874.

WILLIAM GILBERT.

Witnesses:

LUCIUS R. DOTY,
CHARLES C. GIVENS.