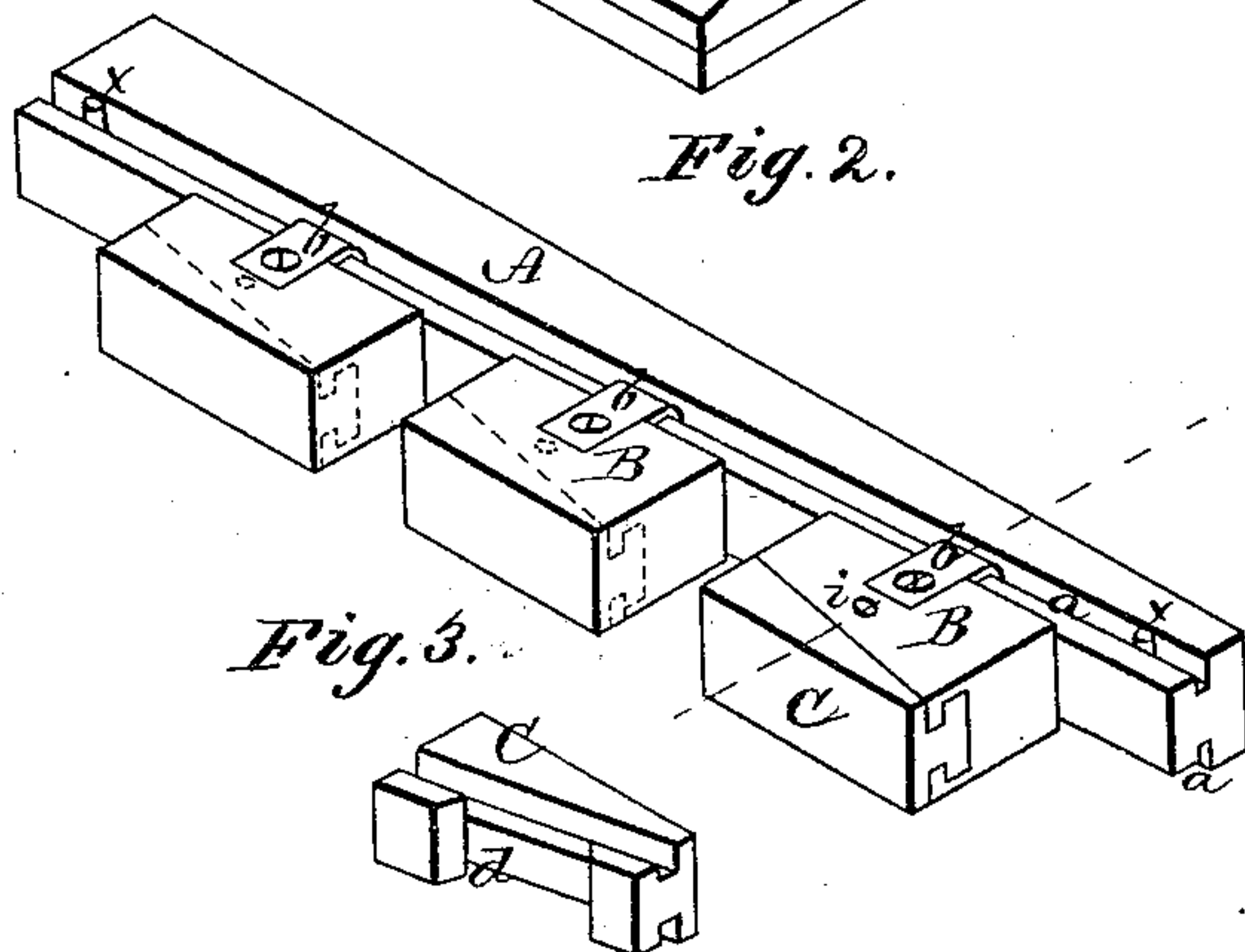
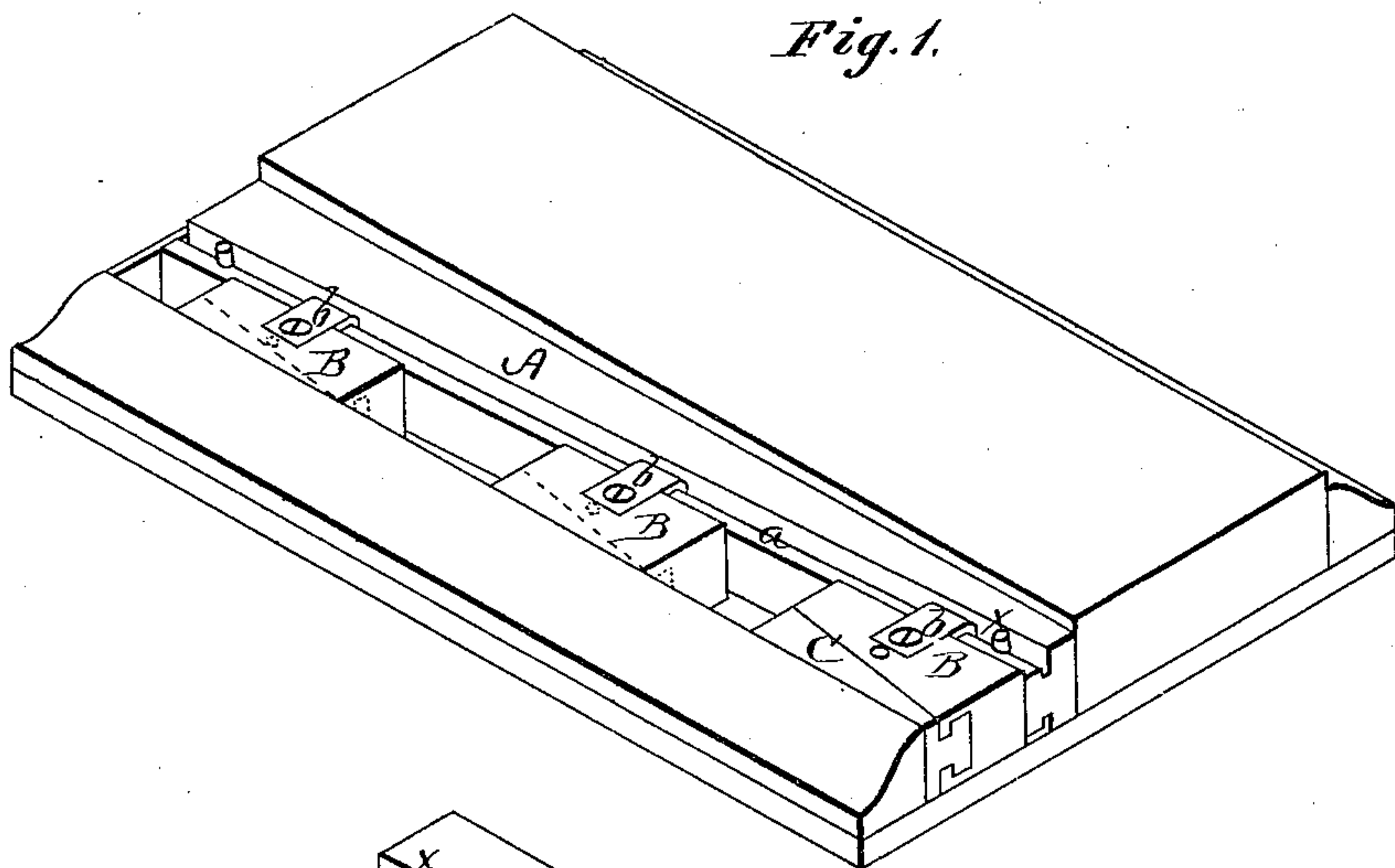


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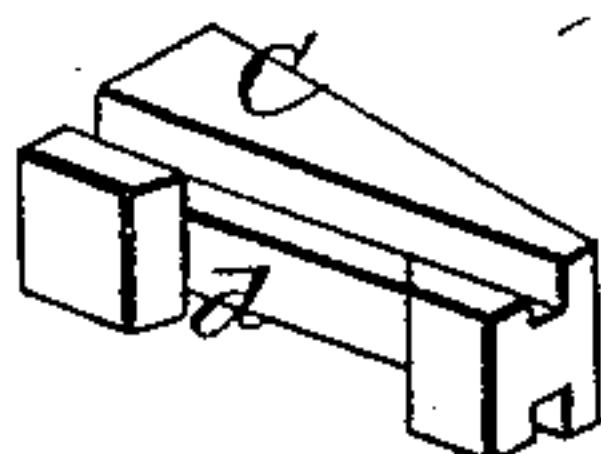
Printers' Side-Stick and Quoins.

No. 164,543.

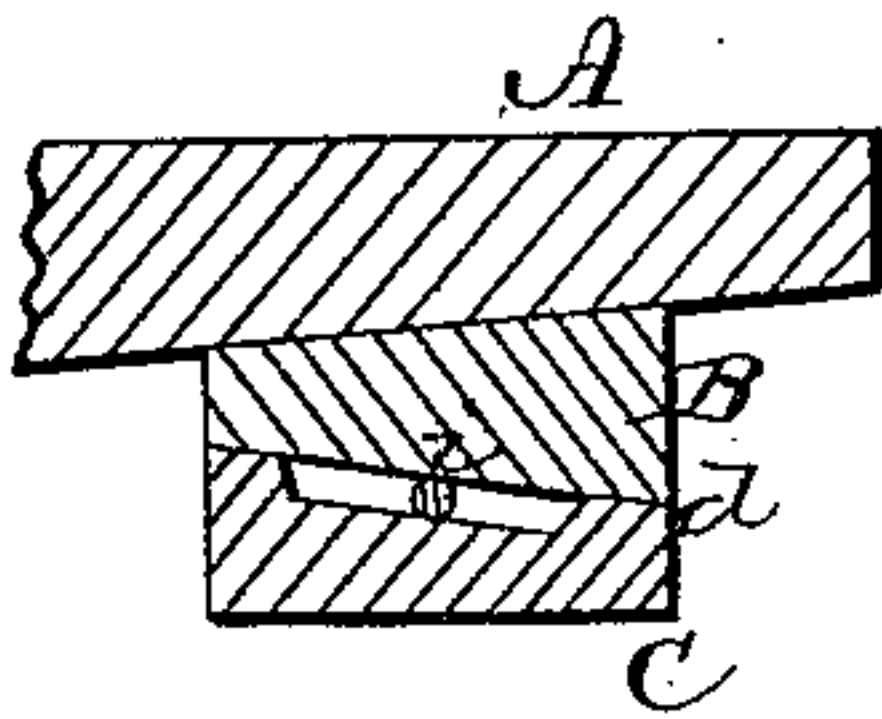
Patented June 15, 1875.



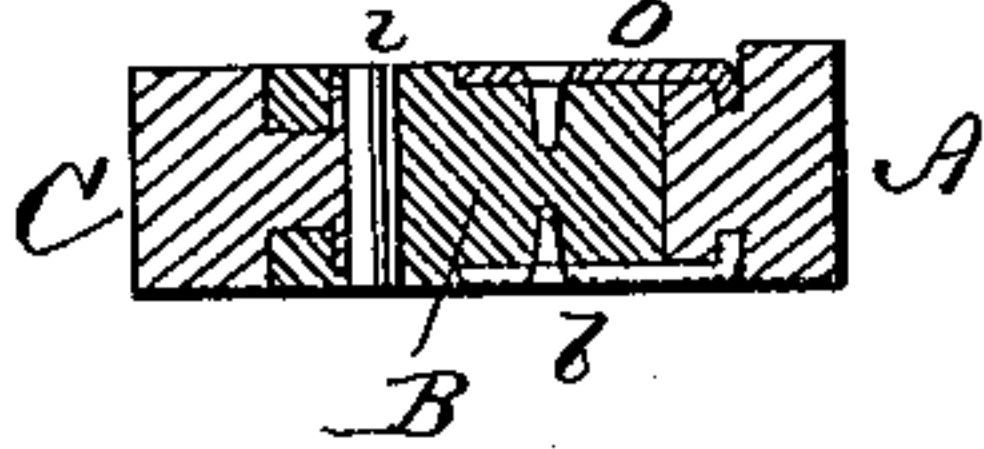
*Fig. 3.*



*Fig. 5.*



*Fig. 4.*



WITNESSES

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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.