C. G. SQUINTANI.

Printer's Quoin.

No. 228,410. Patented June 1, 1880.

Fig. 7.

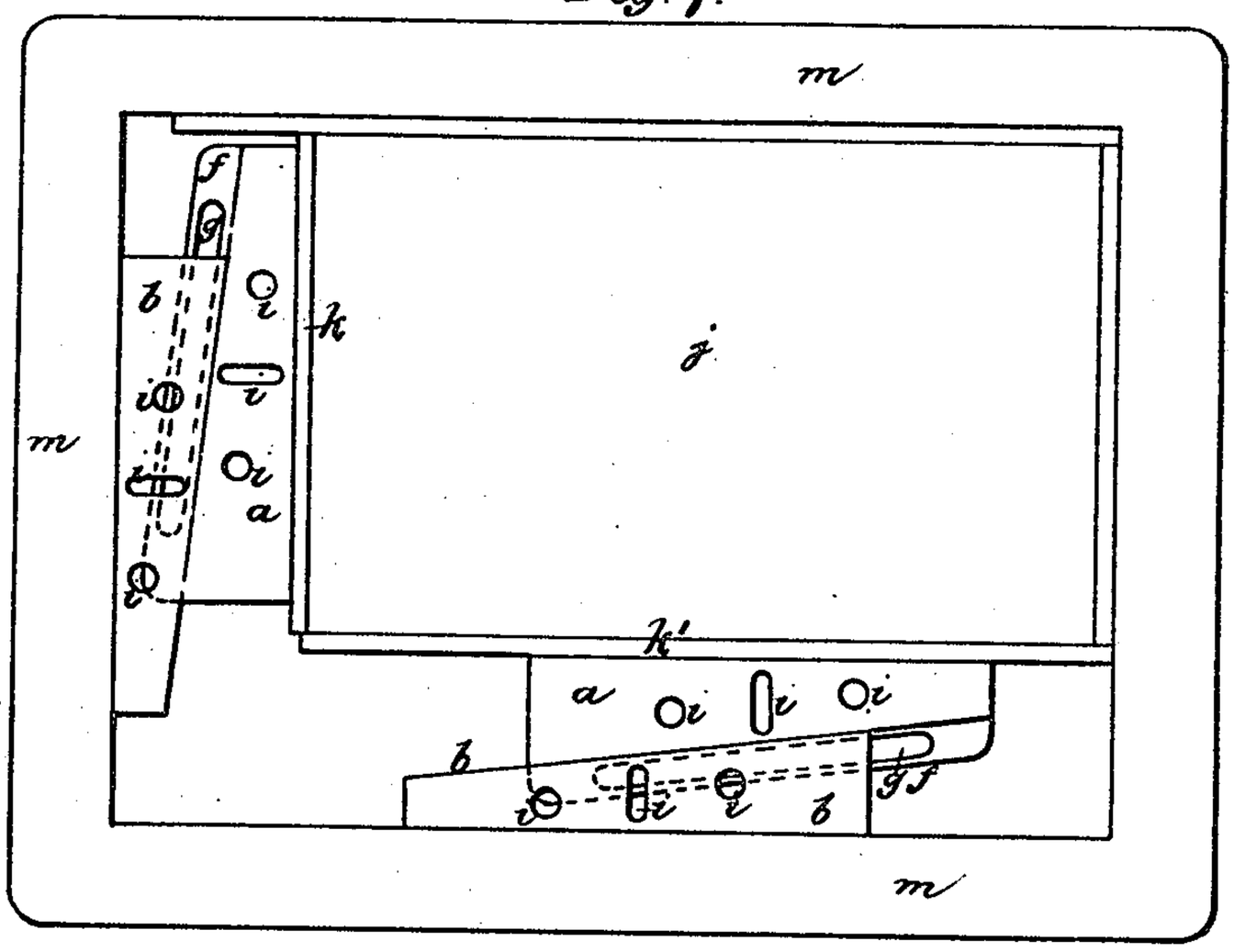


Fig. 3.

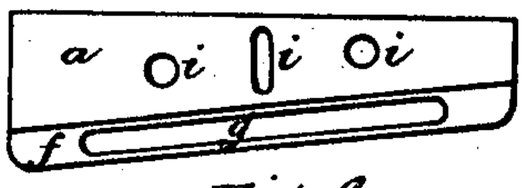


Fig. 5.

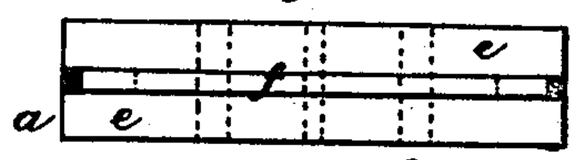


Fig. 4.

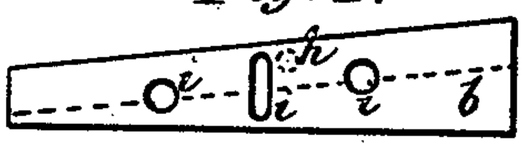


Fig. 6.

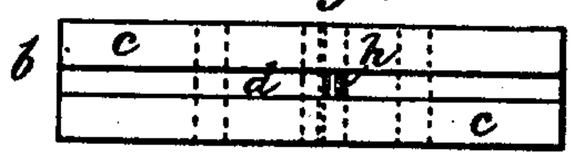


Fig. 1.

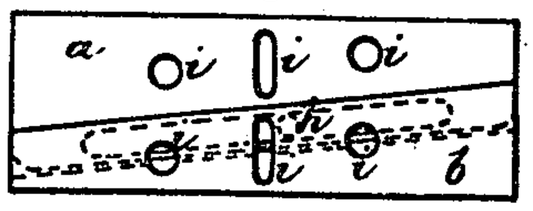


Fig. 2.

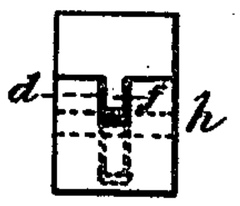
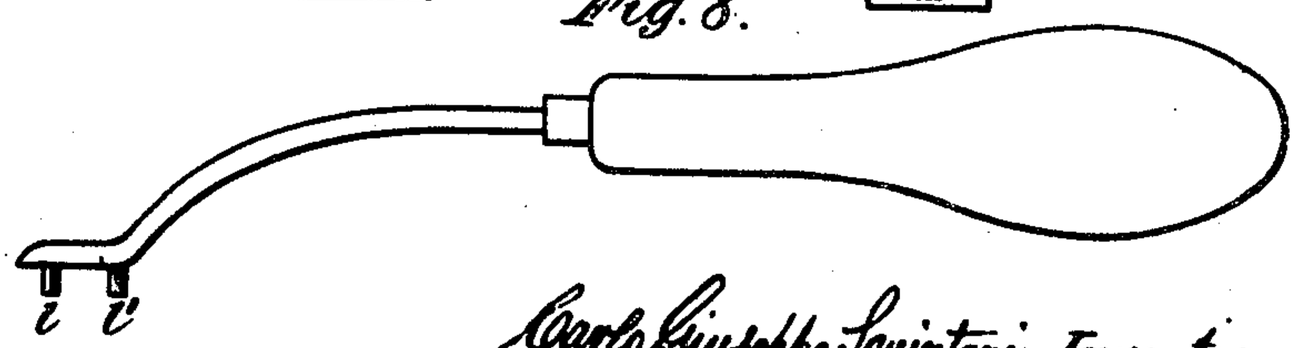


Fig. 8.



Witnesses.
Pow.m Halsted
Robert Lynch.

Carlo Giuseppe Squintani, Inventor.
by John J. Halsted
his Atty.

UNITED STATES PATENT OFFICE.

CARLO G. SQUINTANI, OF LONDON, ENGLAND.

PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 228,410, dated June 1, 1880.

Application filed February 27, 1880.

To all whom it may concern:

Be it known that I, CARLO GIUSEPPE SQUINTANI, of London, England, have invented certain Improvements in Printers' Quoins, of which the following is a specification.

This invention relates to improvements in printers' quoins, the object of the invention being to so construct such quoins and connect them together that they may be easily and quickly applied to or removed from a chase and type, the locking up of the form being effected in a simple and effective manner.

In carrying out my invention the quoins are formed in pairs. One quoin of each pair is grooved on its inclined edge, and the other is provided with a slotted tongue fitting in the said groove, a pin secured to the grooved quoin, and passing through its groove and through the slot in the other quoin, so as to keep the two inclined sides of the quoins together. Each quoin is provided with suitable slots or holes to allow of inserting a key for operating the quoins.

But to make my invention better understood, I will now proceed to describe the same by reference to the accompanying drawings, in which—

Figure 1 shows a plan of a pair of quoins constructed according to my invention; Fig. 2, an end view of Fig. 1; Figs. 3 and 4, plans of the quoins detached from one another; Figs. 5 and 6, plan views of the inclined surfaces of the quoins shown in Figs. 3 and 4. Fig. 7 is a plan of a form in which the type is locked up by means of two pairs of my improved quoins, and Fig. 8 is a view of a suitable form of key for operating the quoins.

Similar letters in all the figures represent similar parts.

a and *b* show the two quoins forming a pair. One of these quoins, *b*, is grooved on its inclined edge *c*, as shown at *d*, Fig. 6. The other quoin, *a*, of the pair of quoins is formed or provided with a tongue, *f*, on its inclined surface *e*, as shown in Figs. 2, 3, and 5, the said tongue *f* being formed with a slot, *g*. The tongue *f* of the quoin *a* being placed in the groove *d* of the quoin *b*, and a pin, *h*, being passed through the quoin *b* and slot *g* of the tongue *f*, the two quoins *a* and *b* will be connected together and can slide one on the other.

A number of holes, *i i i i*, are made in the quoins for receiving a key, as hereinafter described.

Fig. 7 shows a form locked up by means of two pairs of my improved quoins. *m* is the chase; *j*, the type. *k k'* are metal side-sticks, and *a b a b* the quoins.

One pair of quoins in their closed or normal position, as shown in Fig. 1, is placed between the end of the chase *m* and the side-stick *k*, and another pair of quoins is placed between the chase *m* and the side-stick *k'*. Then, to lock up the form, it is merely necessary to place the projections *l l'* of the key (shown in Fig. 8) in any two holes, *i*, in one pair of the quoins *a* and *b*—that is to say, the projection *l* in one of the holes in the quoin *a*, and the other projection, *l'*, in one of the holes or slots of the other quoin, *b*—and by turning the key the quoins will be moved one over the other in opposite directions on their inclined faces until the type is securely locked in the chase at one side. The other pair of quoins is then similarly operated, so as to complete the locking up of the form. The quoins are released by moving the key in the opposite direction.

I prefer to make the quoins and side-sticks of any suitable metal not liable to oxidation or rust.

Having thus described the nature of my said invention, and the manner of performing the same, what I claim is—

1. A pair of quoins connected permanently together, each made with continuous inclined faces, and provided with holes to allow of the quoins being moved one over the other in opposite directions by means of a suitable key having pins *l l'* adapted to enter such holes, substantially as and for the purposes described.

2. A pair of quoins one of which is grooved on its inclined face, the other being provided on its inclined face with a slotted tongue fitting and working in the said groove, the said quoins being connected together by a pin secured to and passing through the grooved quoin and through the said slot in the other quoin, substantially as hereinbefore described, and represented in the drawings.

C. G. SQUINTANI.

Witnesses:

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