

(No Model.)

J. N. O. HANKINSON.

PRINTER'S QUOIN.

No. 312,845.

Patented Feb. 24, 1885.

Fig. 1.

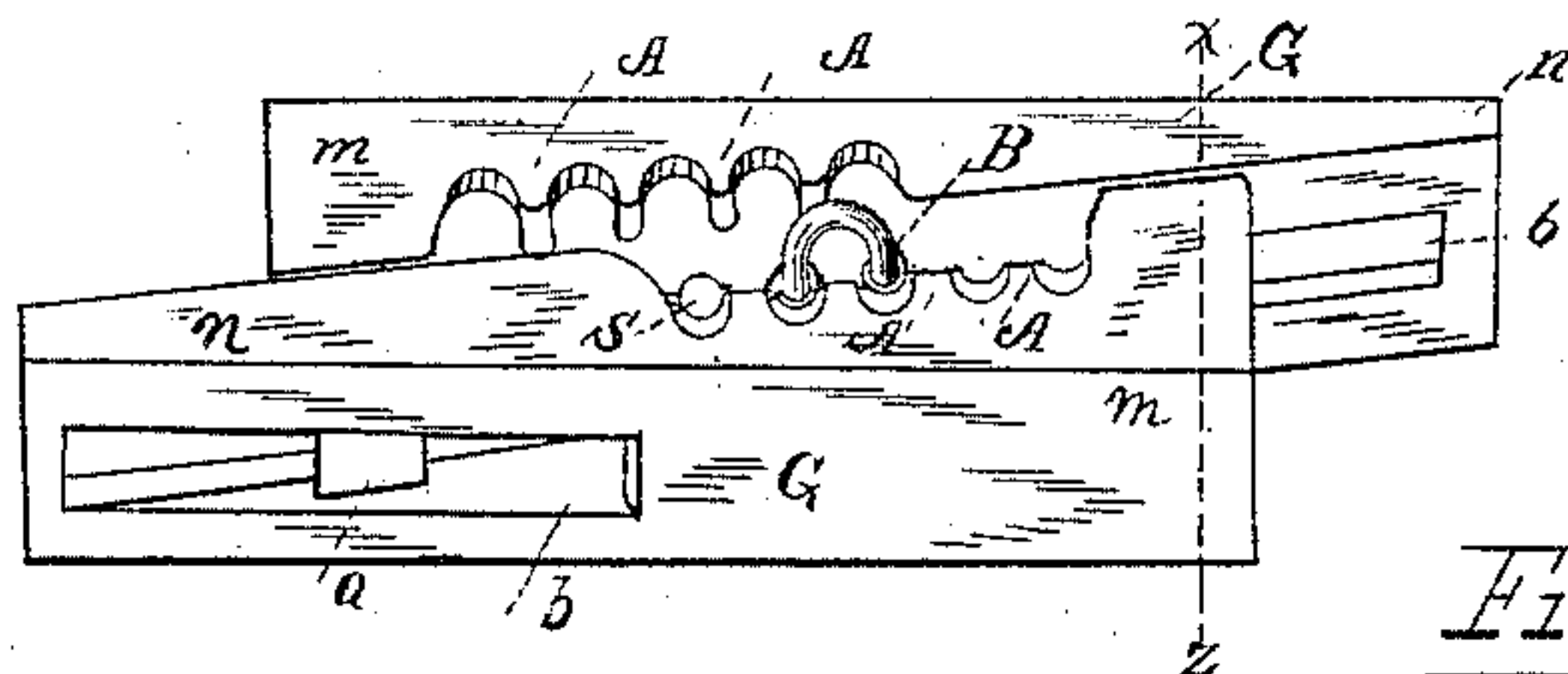


Fig. 2.

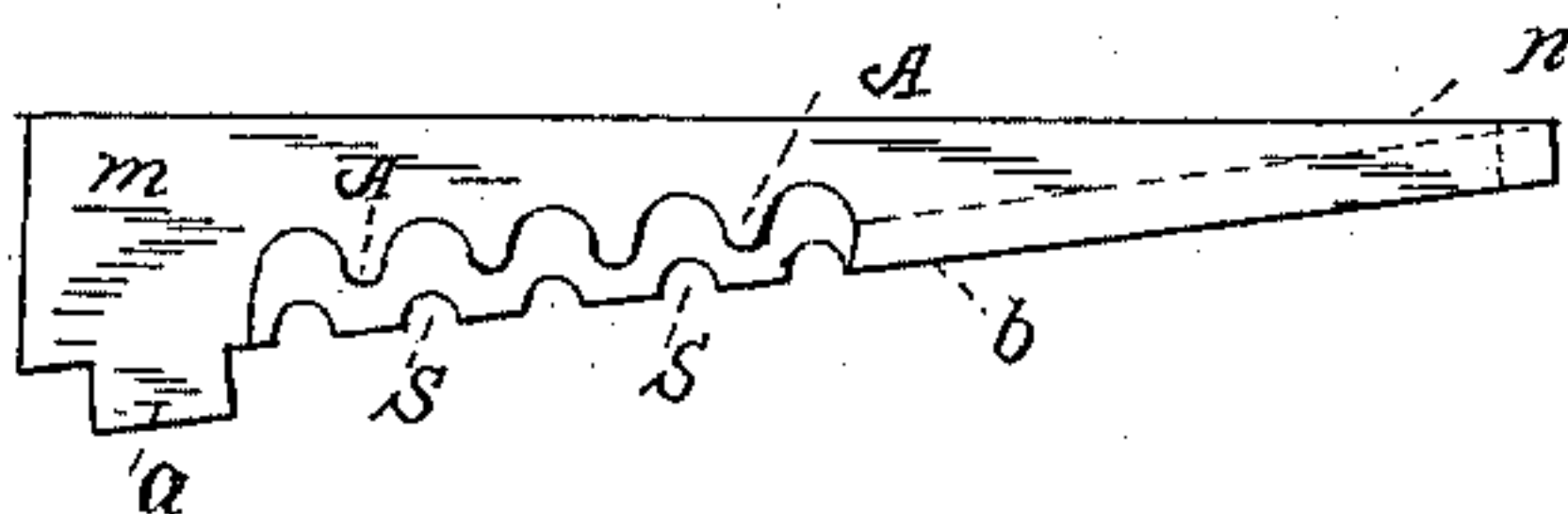


Fig. 3.

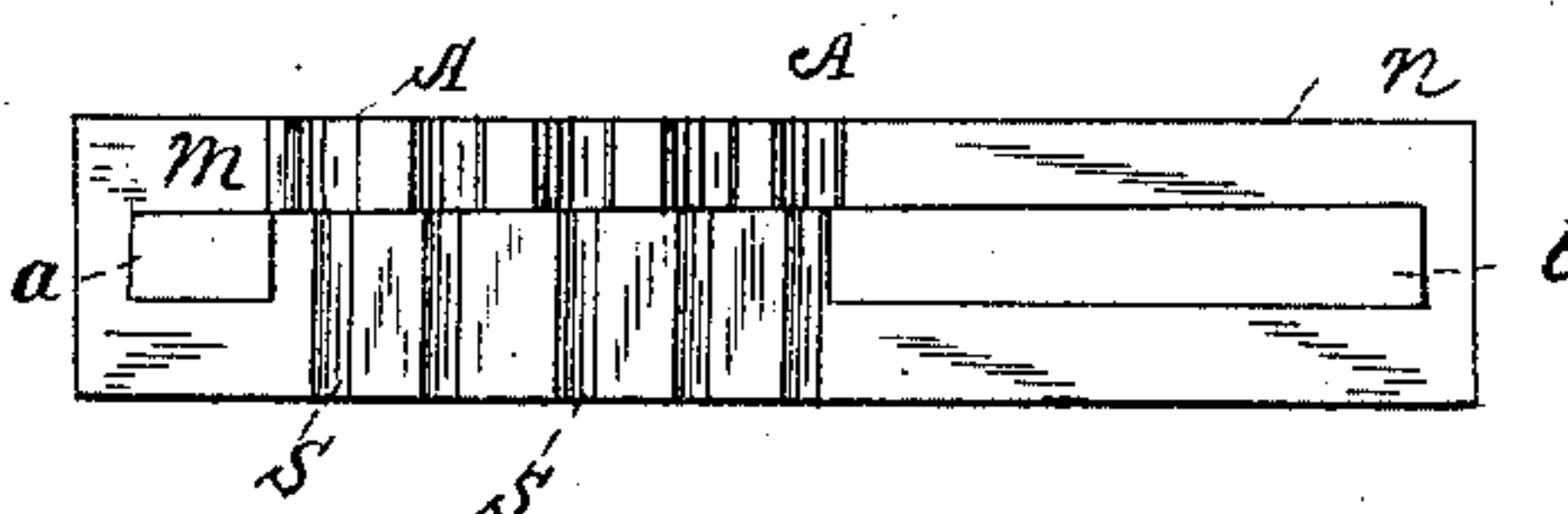


Fig. 4.



Fig. 5.

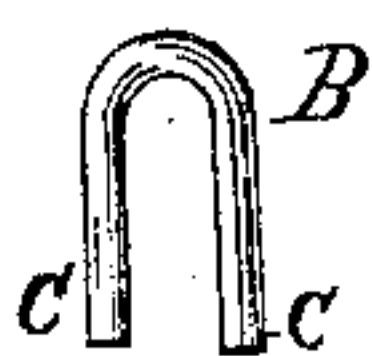
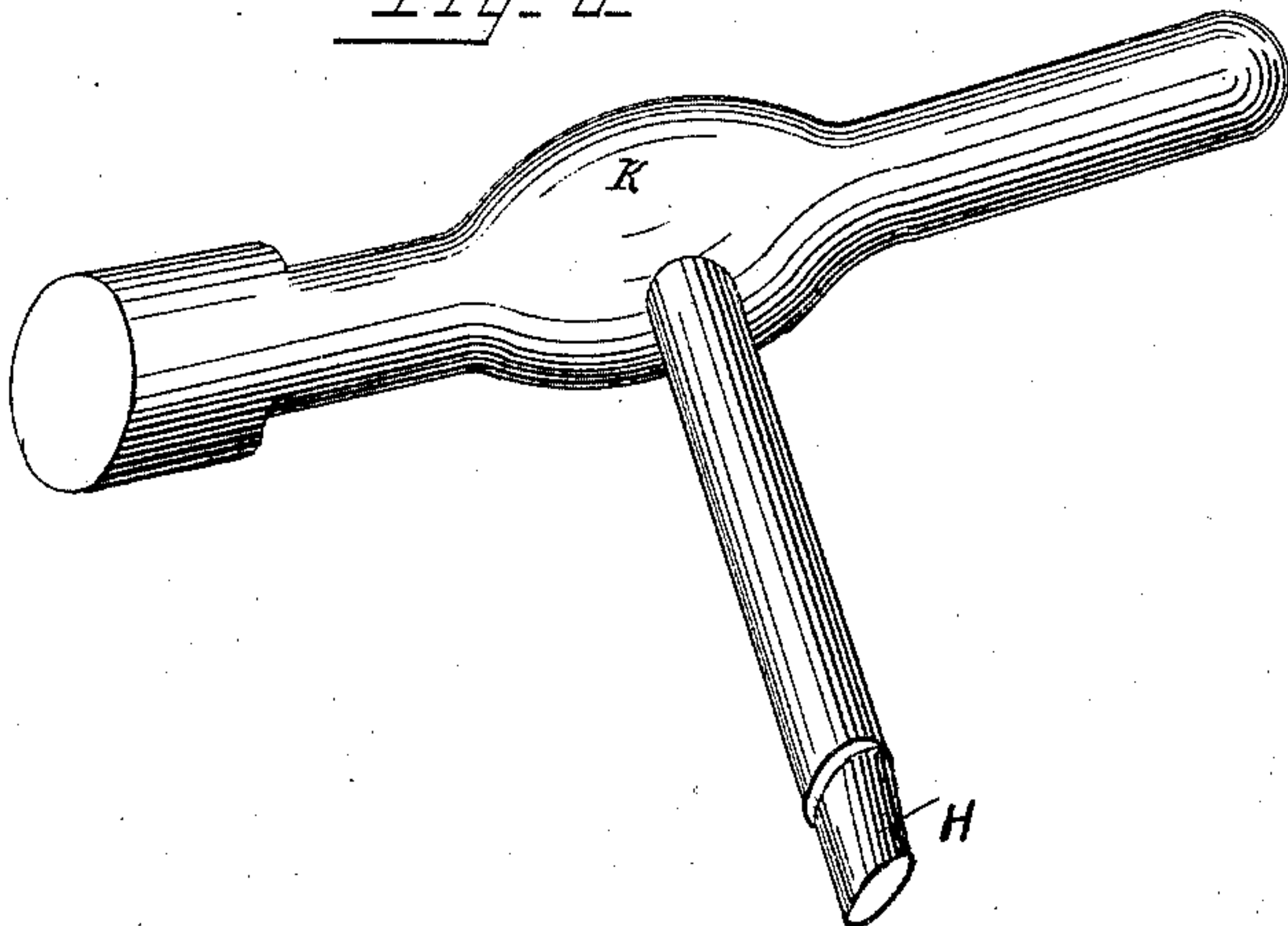


Fig. 7.



Fig. 6.



Witnesses.

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JOHN N. O. HANKINSON, OF HARRISBURG, PENNSYLVANIA.

PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 312,845, dated February 24, 1885.

Application filed March 8, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. O. HANKINSON, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Printers' Quoins; and I do hereby declare that the following is a full, clear, and exact description of the invention, which, with the aid of the accompanying drawings, will enable others skilled in the art to which it appertains to make and use the same.

The main object of my improvement is to secure the quoins in positive locked position after the form has been tightened properly in the furniture. For attaining said object a means is employed to serve as a stop or check to prevent the backward travel of the inclines of the paired quoins, that may be readily inserted on or between them and removed intact for repeated use. My quoins are therefore provided with suitable holds for receiving a ready check-piece for said purpose which will fit any two of a lot of quoins, so that no particular care need be taken to attach them. My quoins are also peculiarly constructed to be guided upon each other, and to be limited in their travel or throw by lugs in slots.

In the accompanying drawings, Figure 1 represents a perspective view of a pair of my quoins in locked position. Fig. 2 is a top view of one of my quoins. Fig. 3 is a face view of the same. Fig. 4 is a transverse section taken at $x x$, Fig. 1. Fig. 5 is a view of check-piece. Fig. 6 is a view of the key for locking. Fig. 7 is a view of tool for removing check-piece.

Similar letters denote similar parts in the several views.

G G represent a pair of my quoins, each having a wedge-form body gradually tapered from the butt m to the blunt point n . The butt has the lug a on its face, and the taper point n has in it a longitudinal slot, b , made to admit lug a through it loosely; but said lug, after insertion into said slot, may be struck up, thus permanently attaching the quoins together in pairs, said slot being a little flaring outwardly, and recessed to present a bearing for the head of lug parallel with the face of the quoin, as shown in Fig. 4. I do not,

however, limit myself to making the quoins in permanent pairs, as any two from a lot may be put together in use instantly. The quoins are provided with teeth A, offset from their meeting lines or faces, that a key, K, with blank bit H, may be applied to said teeth for moving the quoins upon each other to tighten the form, or undo the same by wrench with said key. Adjacent to said teeth A, and fronting the spaces between them, are notches S, right on the meeting line of the quoins. Said notches correspond with each other, being equally distant, so that when they are opposite each other a series of holes will be left between the quoins. A check-piece, B, of staple form, or provided with legs C to step into said holes, serves as a positive lock for the quoins. Said check-piece, when inserted, comes level at top with the upper edge of the quoins, and the loop end of it is accessible, as shown in Fig. 1, so that it may be picked out conveniently by a hook, D, somewhat like a shoe-buttoner. The quoins cannot undo by concussion arising from the action of the press, and cannot be unlocked, even by the key, until the check-piece is removed.

I am aware that several equivalent devices or forms of check-piece may be employed, as an ordinary tinner's rivet may be dropped into said holes to lock the quoins, but not with equal facility in unlocking; also, that a serrated plate laid in the recess between the opposite racks A A will stop the quoins, but not so exactly and so efficiently as the device herewith submitted.

I claim—

1. A pair of quoins having their thinner ends provided with longitudinal slots b , and with lugs a on their butt-ends for guiding and limiting the movement of the quoins upon each other, substantially as and for the purposes shown and described.

2. A pair of quoins having parts, substantially as described, adapted for guiding their movement upon each other, and provided with notches or holds therein, in combination with a check-piece adapted to apply in said holds and positively lock the quoins against undoing, substantially as and for the purposes set forth.

3. A pair of quoins, G G, provided with

limiting-guides *a b*, with teeth A for holds, whereby a flat bit of key, K, may advance and retract the quoins upon each other, and with co-operating notches or holds S, in combination with a check-piece, B, of suitable form to apply in said notches to stop the movement of the quoins, and to be readily seized by a

hooked instrument, D, for removal, substantially as set forth.

JOHN N. O. HANKINSON.

Witnesses:

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