

No. 661,706.

Patented Nov. 13, 1900.

C. A. REUSSENZEHN.
PRINTER'S QUOIN.

(Application filed June 11, 1900.)

(No Model.)

Fig. 1

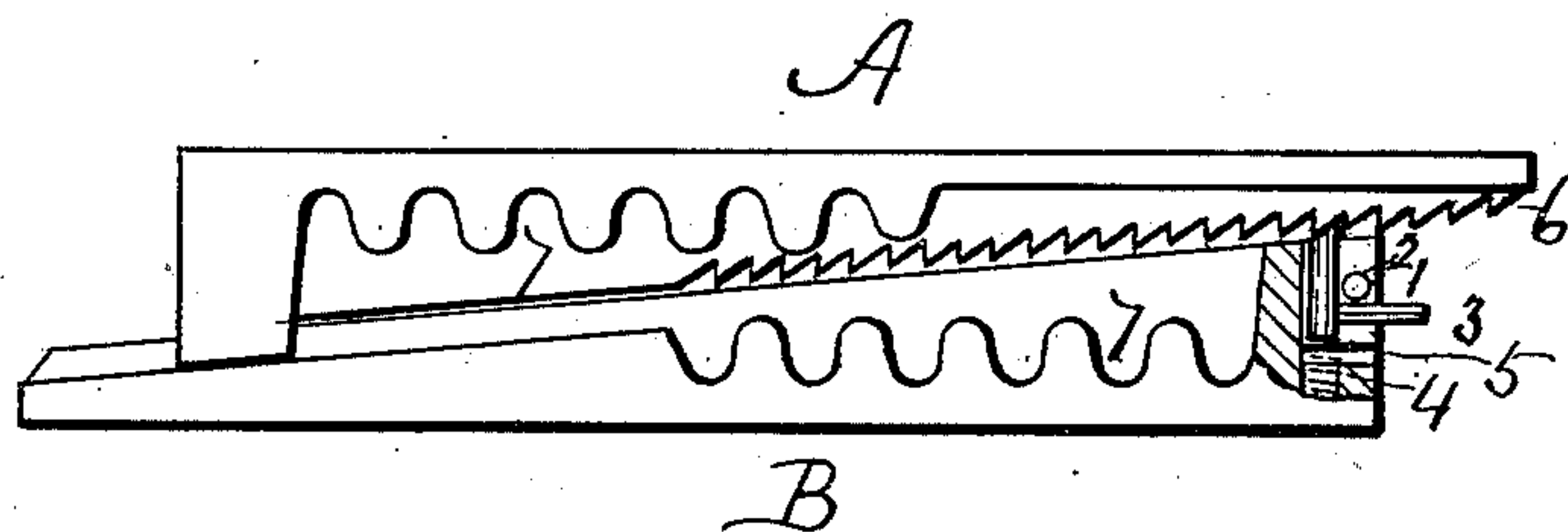
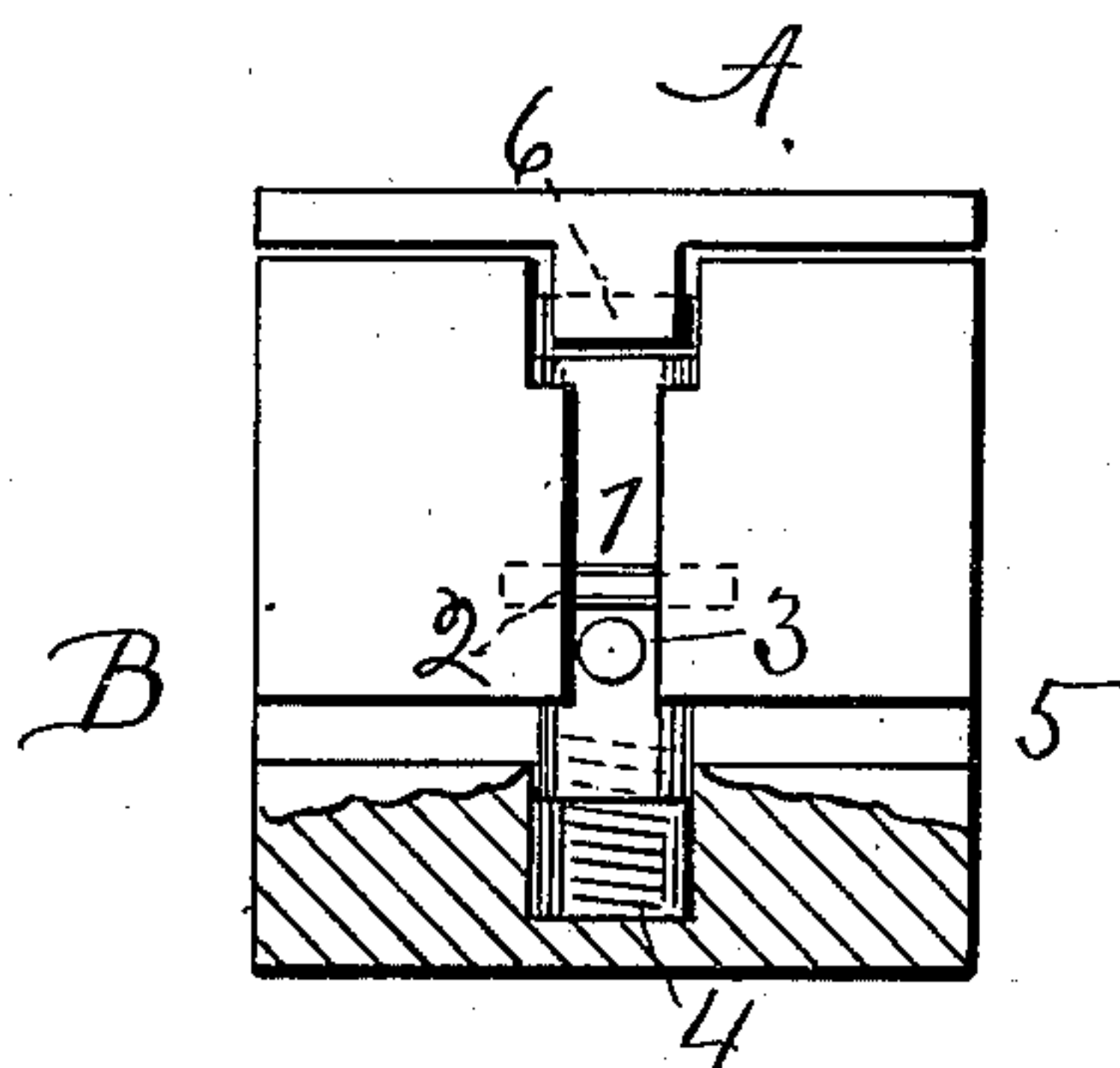


Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

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PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 661,706, dated November 13, 1900.

Application filed June 11, 1900. Serial No. 19,824. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. REUSSENZEHN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, 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 will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and numerals of reference marked thereon, which form a part of this specification.

My invention relates to improvements in printers' quoins, the features of which will be fully hereinafter described and claimed.

The object of my invention is to lock the two parts of the quoin securely when one part has been propelled against the other in filling the space between the form and the inclosing chase. The expansion results from the movement on their inclined surfaces, and the relation of the two parts is maintained by a sliding or reciprocating pawl held in one part engaging a series of teeth in the other member. The mechanism is illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the device with a portion cut away. Fig. 2 is an enlarged end view of the right end with a portion cut away.

Like letters and numerals designate like parts in the two views.

The parts A and B are similar to quoins in use, and in the heel of each are grooves which mutually engage the tongues of the opposite member. The inclined inner surfaces of both are the same, and the top and bottom are therefore always parallel. Both parts are provided with inner corrugated surfaces 7, in which a key may be placed to move one part on the other to effect the expansion. The tongue 6 of part A is serrated through a part of its length, with the vertical side of the teeth to the left. In the vertical groove in

the right end of part B is held the spring-actuated pawl 1 (see Fig. 2) and when held within this groove is guided by the pin B to prevent rotation. To the rear surface of said pawl is attached the handle or pin 3, which traverses the slot or groove. The small spiral spring 4 rests against the bottom of the vertical groove, and its upper end bears against the bottom of an orifice within said pawl. This spring holds said pawl in engagement with the teeth of the top member, and thereby prevents any slipping of the parts. As one part is propelled against the other the parts become securely locked. The transverse slot 8 is adapted to receive the pin or handle, and to release the parts the pawl is pressed down and the handle made to enter said transverse slot, which movement holds said pawl out of engagement, and the pin 2 serves to retain it in position.

Having fully described my invention, what I claim is—

The combination in a pair of quoins having contiguous inclined faces and provided each with a rack-bar parallel with its outer surface, one of said quoins having ratchet-teeth or notches upon its under face, of the vertical orifice in the other of said quoins with a slot opening out from said orifice, a reciprocating pawl held in said orifice adapted to engage with said ratchet-teeth, the arresting-pin in said slot, the spiral spring held in the bottom of said orifice, the pin connected to said pawl and traversing said vertical slot, and the transverse slot adapted to receive said pin and hold the pawl out of engagement; all substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES A. REUSSENZEHN.

Witnesses:

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