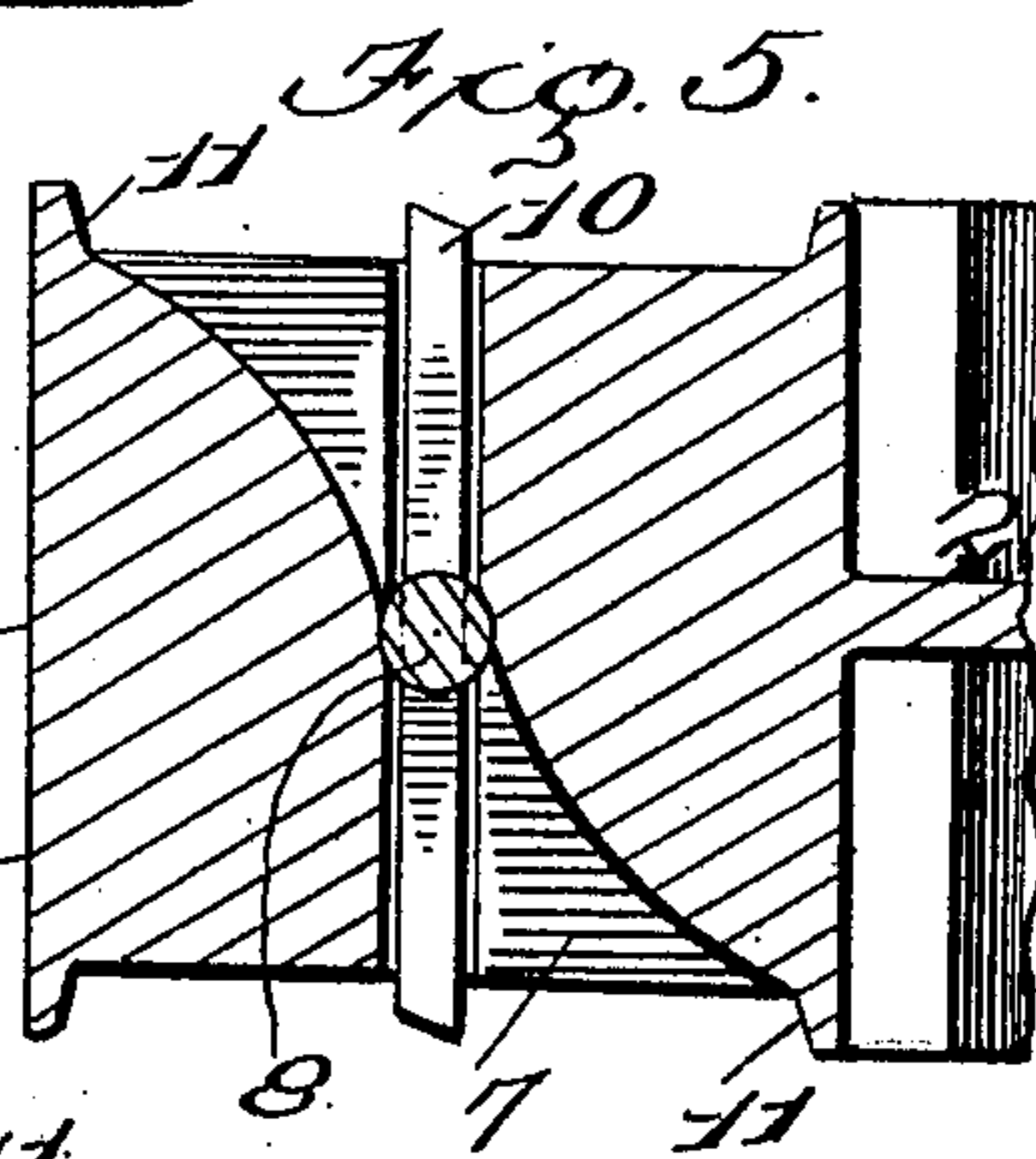
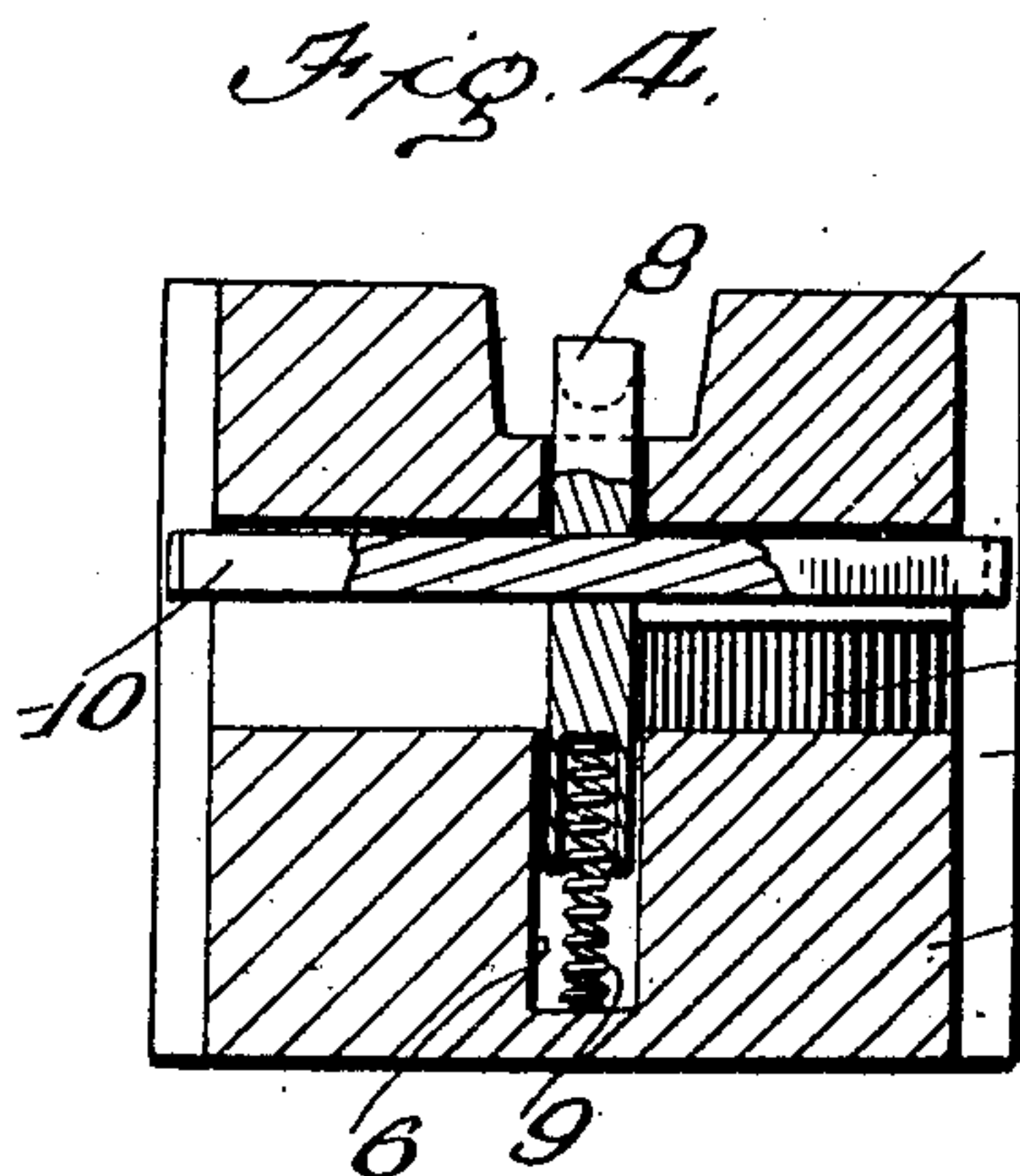
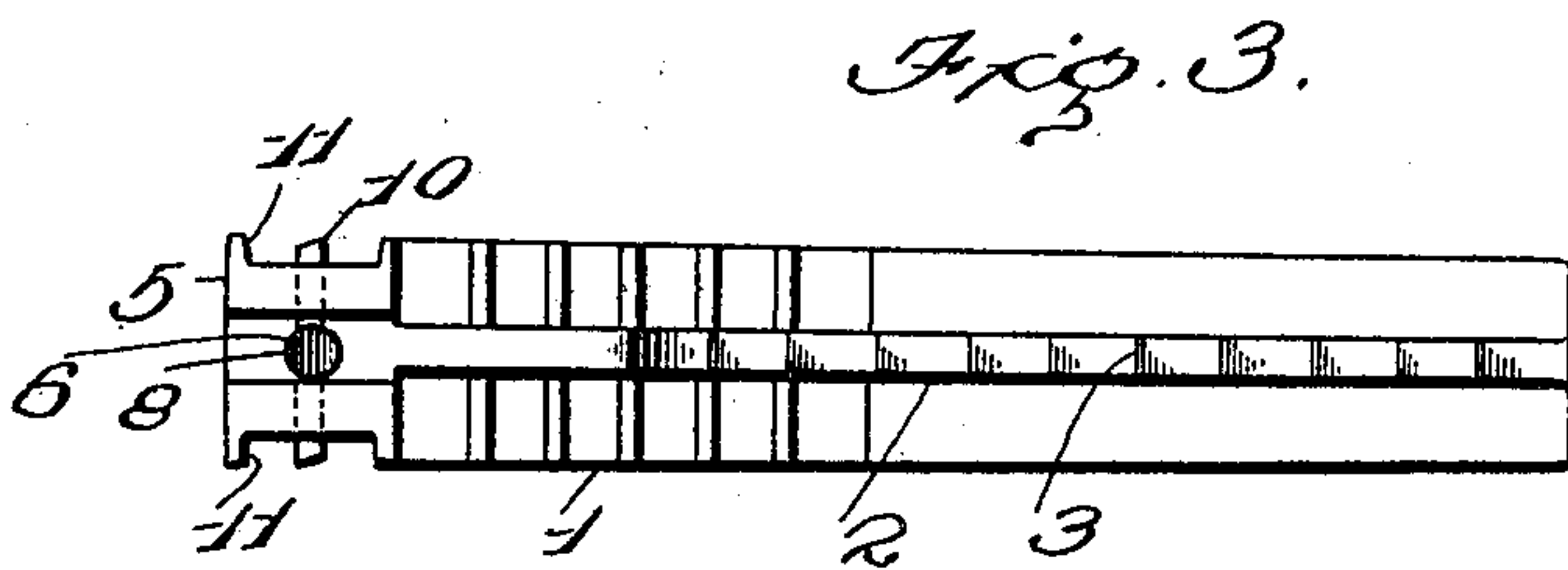
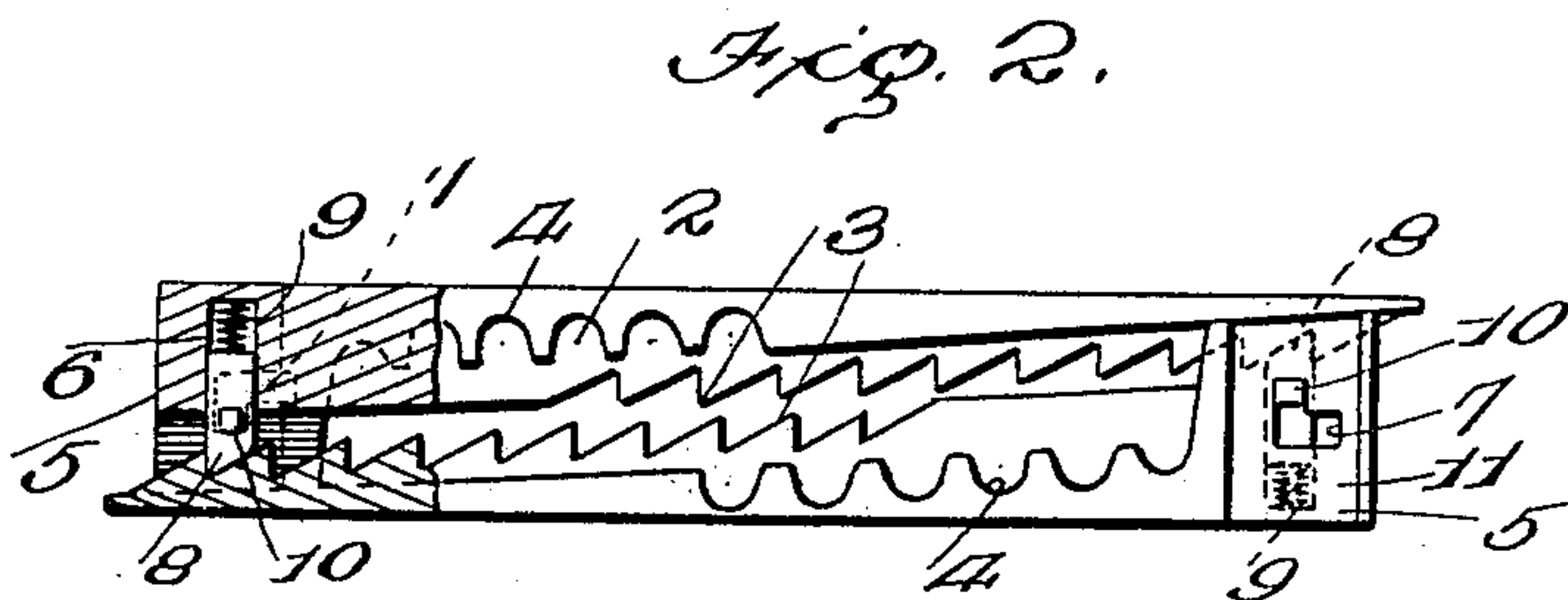
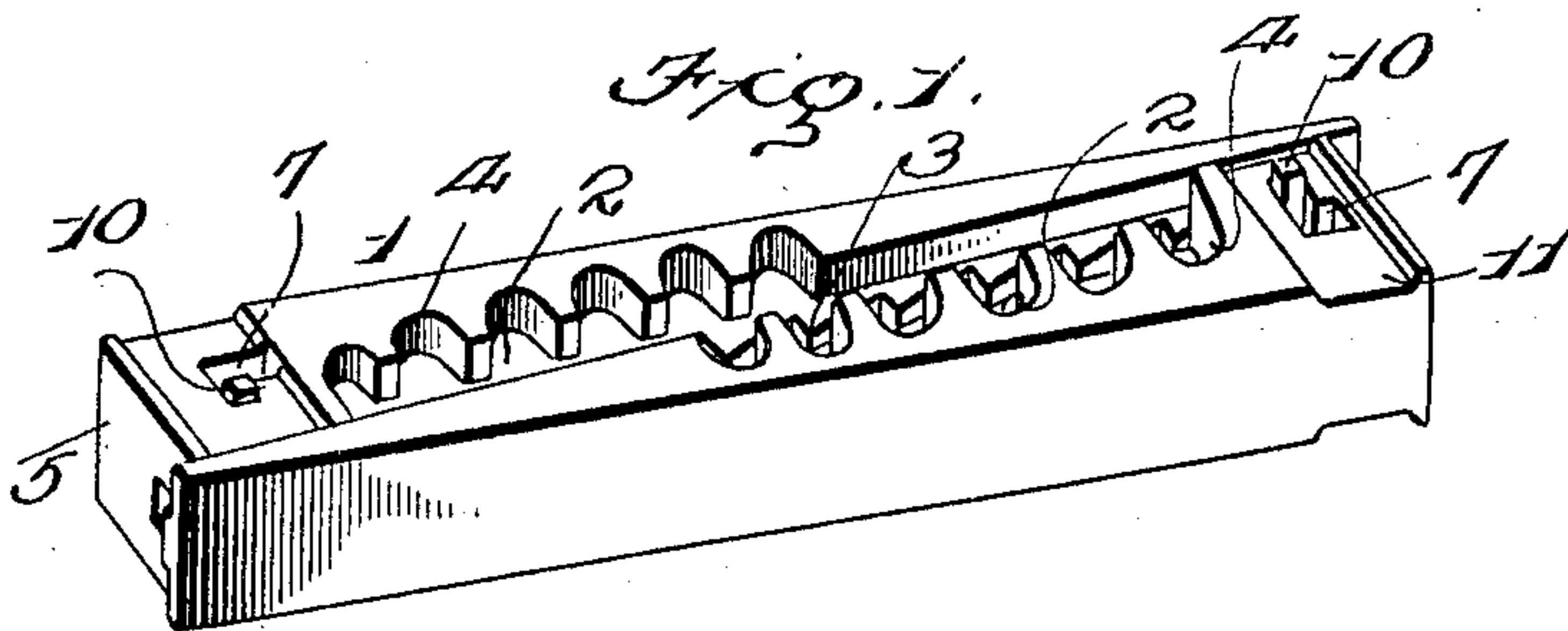


N. GRASSO.  
 PRINTER'S QUOIN.  
 APPLICATION FILED MAY 6, 1908.

920,322.

Patented May 4, 1909.



Inventor

Nicholas Grasso

Witnesses

*[Signature]*  
*W. H. Woodson*

By

*[Signature]*  
*Thackeray*

Attorneys



# UNITED STATES PATENT OFFICE.

NICHOLAS GRASSO, OF NEW YORK, N. Y.

## PRINTER'S QUOIN.

No. 920,322.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed May 6, 1908. Serial No. 431,167.

*To all whom it may concern:*

Be it known that I, NICHOLAS GRASSO, citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Printers' Quoins, of which the following is a specification.

The object of this invention is a simple and efficient construction of printer's quoin, for use in locking up forms in chases, the parts being so arranged that the quoin will be securely held in adjusted position and prevented from slipping or jumping out, and the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of printers' quoins embodying my invention. Fig. 2 is a top plan view thereof, partly in section. Fig. 3 is an inner edge view of one of the quoin members. Fig. 4 is a transverse sectional view through the head of a quoin member. Fig. 5 is a horizontal sectional view through the head.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawing, the numeral 1 designates a quoin member constructed in accordance with my invention, said quoin member being formed with a longitudinally extending rib 2 provided with bevel teeth 3, as shown. The quoin member is also formed on opposite sides of the rib 2 with the usual notches 4 to receive a key (not shown) for use in locking up the quoin in the chase. The quoin member 1 is formed at one end with a head 5, and said head is provided, in registry with one end of the rib 2, with a transversely extending chamber 6 and with angular side opening slots 7, the laterally extending portions of which are in registry with the chamber 6, the longitudinally extending portions of the respective slots extending in opposite directions, as clearly illustrated in the drawing. A dog 8 with its end beveled corresponding to the teeth 3 fits snugly in the chamber and is mounted for movement therein, said dog being formed in its inner

end with a socket in which a spring 9 fits, the tension of the spring being exerted on the dog to hold it projected from the chamber 6 so as to ride along the teeth 3 of an opposing quoin member when two quoin members are placed together and slid one upon the other longitudinally in the customary manner. Latch arms 10 extend outwardly in opposite directions from the dog 8, said arms in the present instance comprising a pin which extends through the dog. The ends of the latch arms 10 are received in the respective slots 7 and project out from said slots as shown. The head 5 is of less width than the body portion of the quoin member and is formed at its outer end with outstanding ribs 11, said ribs extending the full depth of the head and projecting laterally beyond the extremities of the cross arms, the ends of said cross arms thereby terminating within the plane of said ribs, so that said arms will not be liable to be struck and cause the accidental unlocking of the quoins when the latter have been locked up in the chase.

In the practical use of a pair of quoin members constructed in accordance with my invention, as the key is applied to slide one quoin member longitudinally relative to the other, it is manifest that the dogs of the respective quoin members will engage with the teeth 3 of the opposing quoin member and thereby securely lock the quoin members in adjusted position so as to securely prevent them from slipping or jumping out of the chase. In order to interlock the quoin members, it is only necessary to push one of the latch arms 10 backwardly, and this motion will effect the retraction of the dog 8 in the chamber 6 and prevent it from catching in the teeth, the said arms being secured in the longitudinally extended portions of the angular notches 4 so as to securely hold the dog in retracted position.

Having thus described the invention, what is claimed as new is:

The herein described printer's quoin member provided with a longitudinally extending toothed rib, and at one end of said rib with a head, the head being formed with a chamber and with angular side opening slots communicating with said chamber, the longitudinal portions of said slots extending in opposite directions, a spring pressed dog fitting snugly in said chamber and mounted for

movement therein, the dog being formed in its inner end with a socket, a coil spring mounted in said socket and bearing against the bottom of the chamber, and cross arms secured to said dog and working in said slots, the head being formed at its outer end and on both sides with ribs extending the full depth of the head and projecting laterally be-

yond the extremities of the cross arms, as and for the purpose set forth. 10

In testimony whereof I affix my signature in presence of two witnesses.

NICHOLAS GRASSO. [L. s.]

Witnesses:

JOHN STUPELLE,  
CHARLES DELVEA.