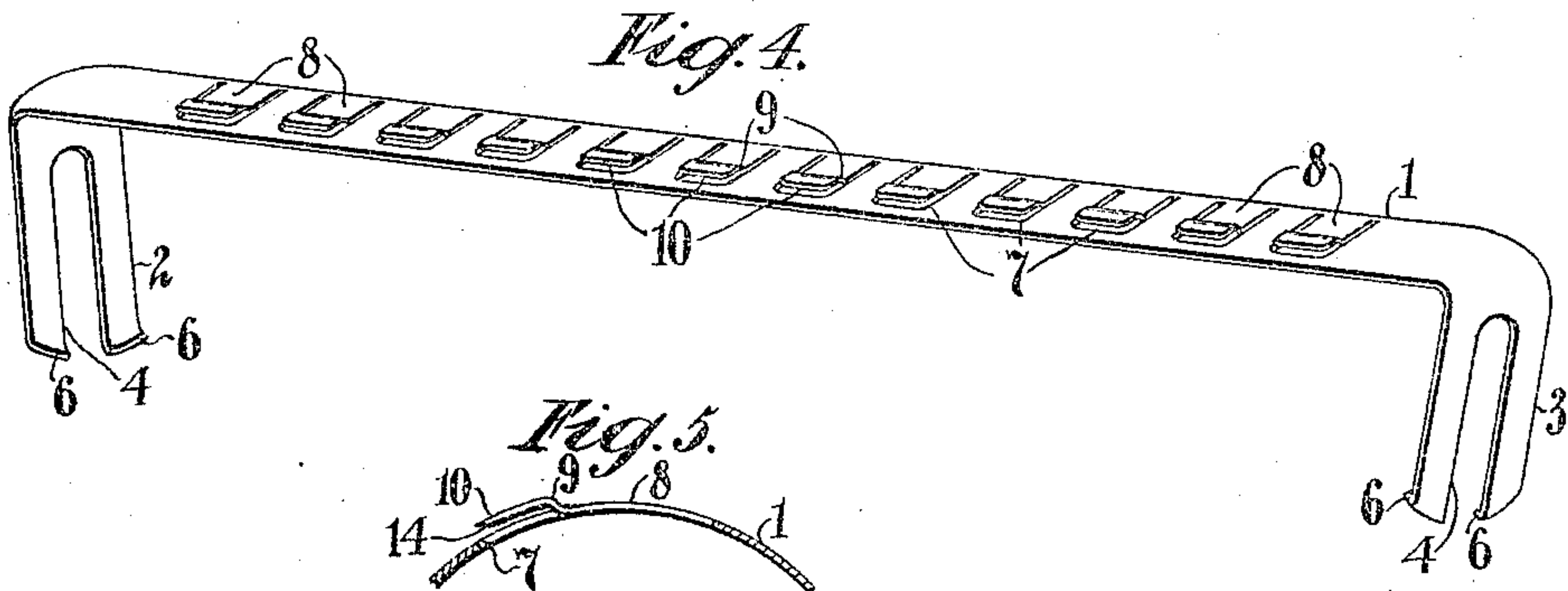
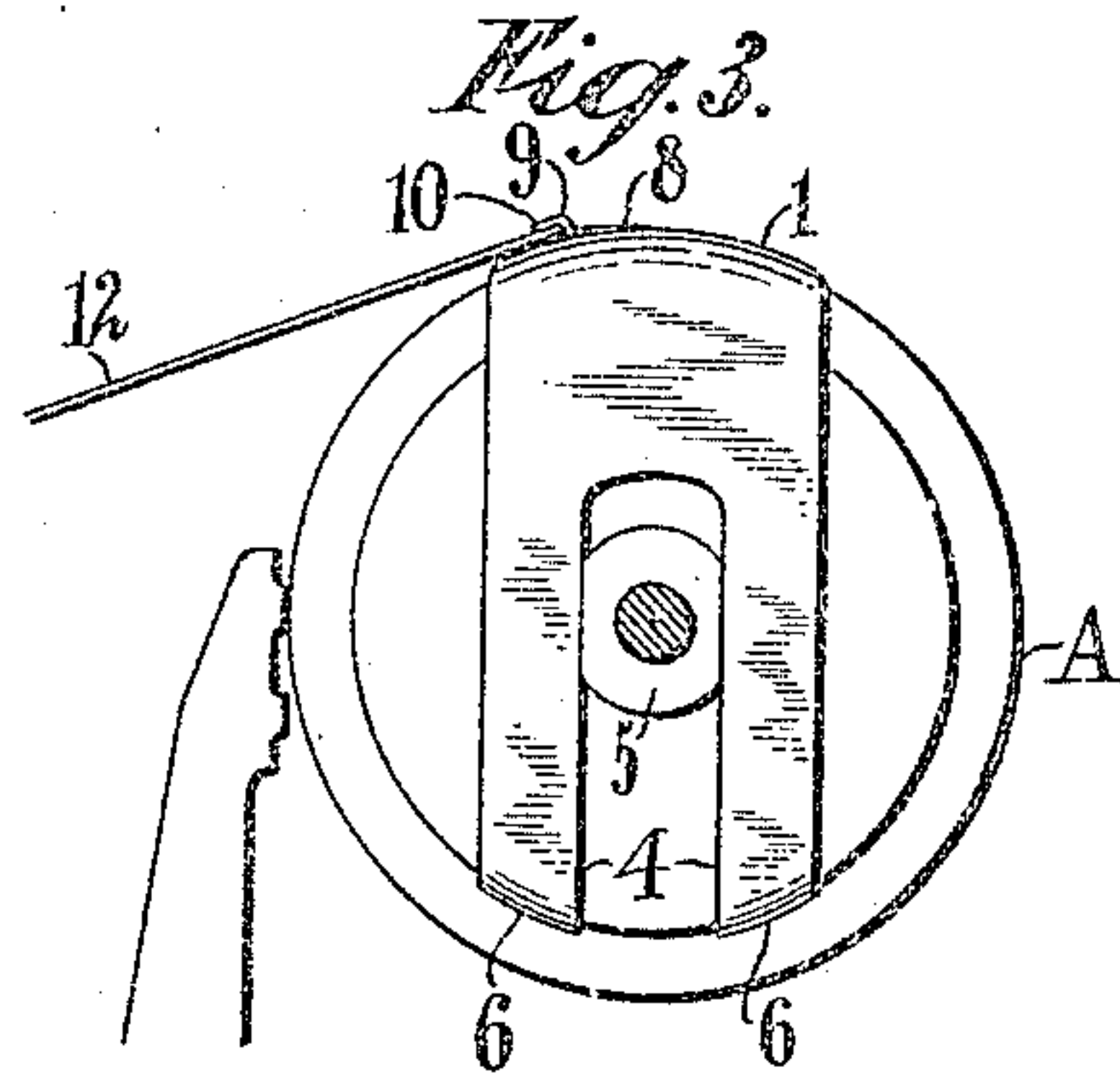
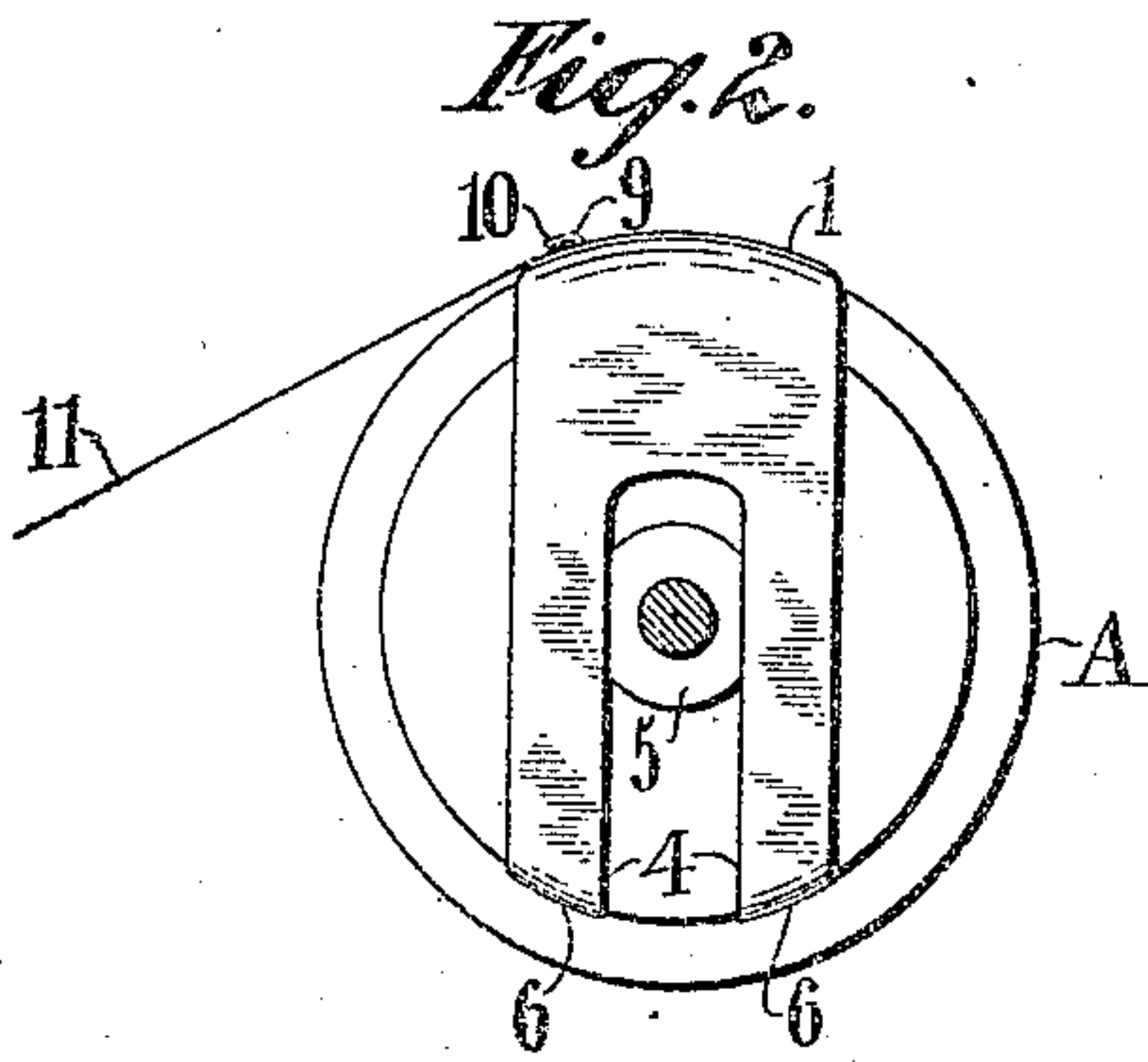
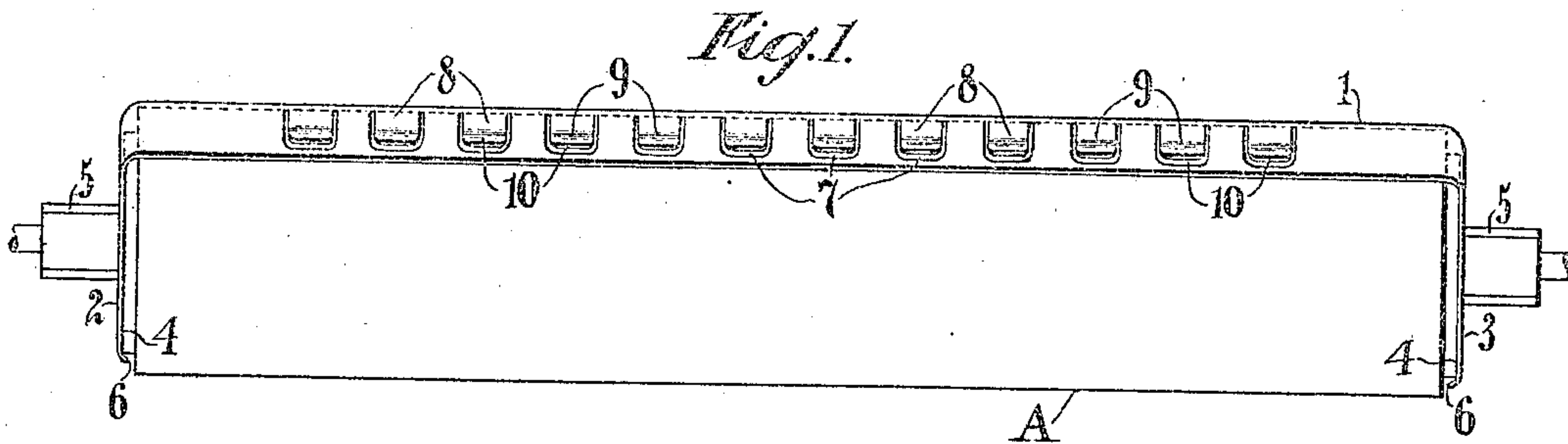


F. A. COOK.
TYPE WRITING MACHINE.
APPLICATION FILED MAY 23, 1907.

952,235.

Patented Mar. 15, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK A. COOK, OF HARTFORD, CONNECTICUT, ASSIGNOR TO UNDERWOOD TYPE-WRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

TYPE-WRITING MACHINE.

952,235.

Specification of Letters Patent. Patented Mar. 15, 1910.

Application filed May 23, 1907. Serial No. 375,198.

To all whom it may concern:

Be it known that I, FRANK A. COOK, a citizen of the United States, residing in Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to means for holding paper, cards and the like upon the cylindrical platens of writing machines, and particularly to that class of devices which may be directly attached to the platen to rotate therewith.

Devices of this class as heretofore constructed, while adapted to hold thick cards do not retain thin cards or paper, and it is the principal object of the present improvement to so construct the device as to adapt it for holding even very thin paper, as well as thick cards.

In the accompanying drawings, Figure 1 is an elevation of a typewriter platen showing my improved device applied thereto. Fig. 2 is an end view showing the leading-in edge of a relatively thin sheet of paper firmly caught in the card holder. Fig. 3 is a view similar to Fig. 2 showing the leading-in edge of a thick card firmly caught in the holder. Fig. 4 is a perspective view of the device. Fig. 5 is a sectional view of the device.

A sheet metal strip 1, of springy metal, is shaped to conform to the curvature of the typewriter platen. At both ends the strip 1 is bent to form arms or projections 2 and 3, forked at 4 to straddle the hub 5 of the typewriter platen A. Lips 6 grip the platen heads to prevent the accidental displacement of the card holder.

Along the body of the card holder is formed a succession of U-shaped incisions 7, whereby the metal of the card holder is formed into a series of springs 8, each of which may extend, as illustrated, from about the middle to the edge of the bar which forms the body of the card holder, the free end of the spring being preferably near said edge. Near its free end, each spring is bent upwardly to form an abrupt jog or gage 9, against which the leading-in edge of the card may rest; and the tip 10 of the spring is

bent forwardly from said jog to form a clip or tongue to catch over such leading-in edge of the card. The body of such spring is preferably not raised above the strip or bar 1 but lies substantially flush therewith, so that the pressure rollers of the type-writing machine may run easily thereover, and also so that the tongues or clips 10 may lie as snugly as practicable to the surface of the platen so as not to present too much obstruction to the said pressure rollers. The tongues 10 lie very close to the top surface of the strip or bar 1, so that they will contact with the top surface of a thin sheet that is inserted between them and the strip; and inasmuch as there is a plurality of the tongues, it is not necessary for each of them to hold the thin paper firmly, since the pressure of all combined will suffice to retain even very thin paper against accidental displacement. At the same time the springs 8 are sufficiently long to enable the tongues 10 to rise enough to receive a thick card, as at Fig. 3, and the springs are sufficiently strong to retain such card firmly in place. In introducing a card, the leading edge of the same is forced by gentle pressure beneath the first tongue in the series, and then beneath the second and so on, the rounded contour of the tongues, seen best at Fig. 1, facilitating this operation.

Fig. 5 shows the tongues beveled on their under edges in front, as at 14, so as to enable them to be more conveniently wedged up by a thick card introduced thereunder.

The construction of the device may be varied without departing from the scope of the invention.

Having thus described my invention, I claim:

A paper and card holder comprising a strip of sheet metal curved to conform to the platen and having a plurality of incisions between its longitudinal edges to form springs, the free ends of which are bent to form tongues, each tongue raised from the strip to permit the insertion of a card or sheet.

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Witnesses:

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