

No. 726,154.

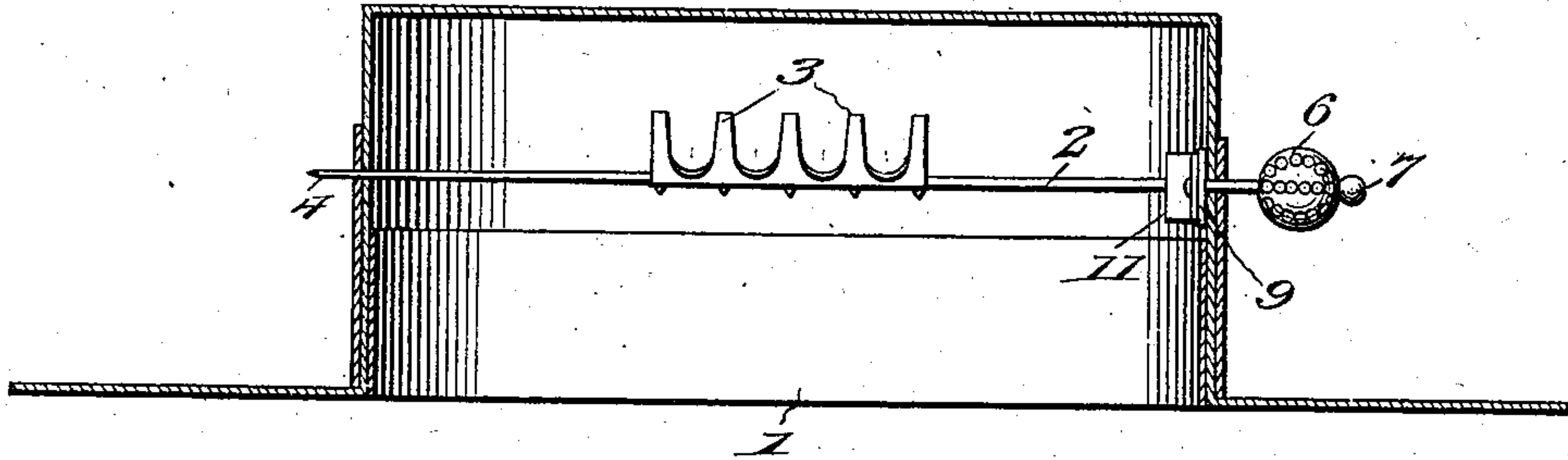
PATENTED APR. 21, 1903.

T. FRIES.  
HAT FASTENER.

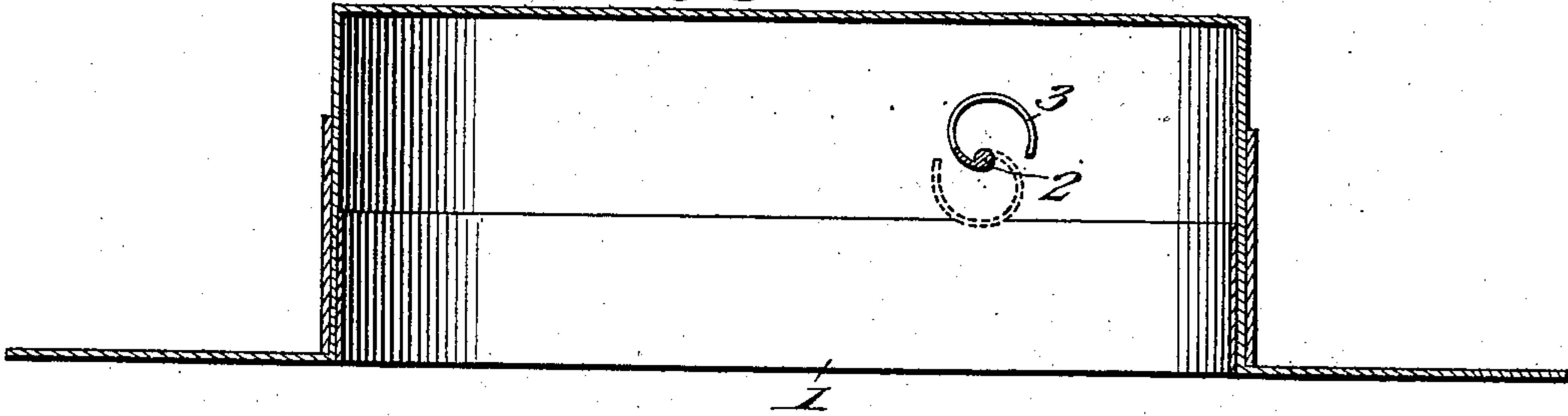
APPLICATION FILED AUG. 16, 1902.

NO MODEL.

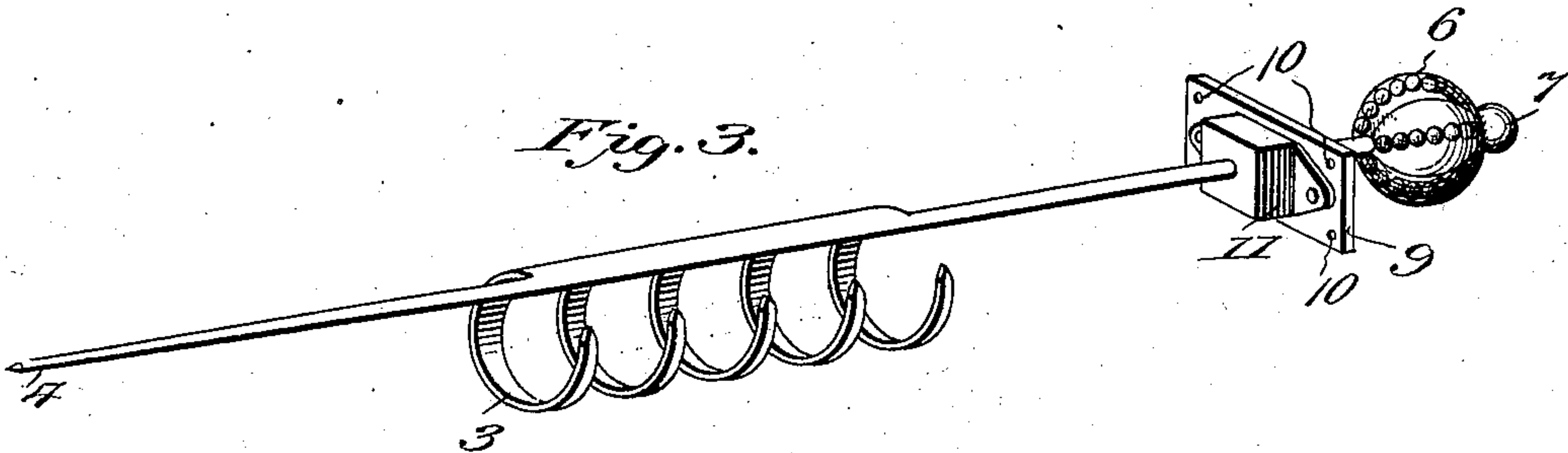
*Fig. 1.*



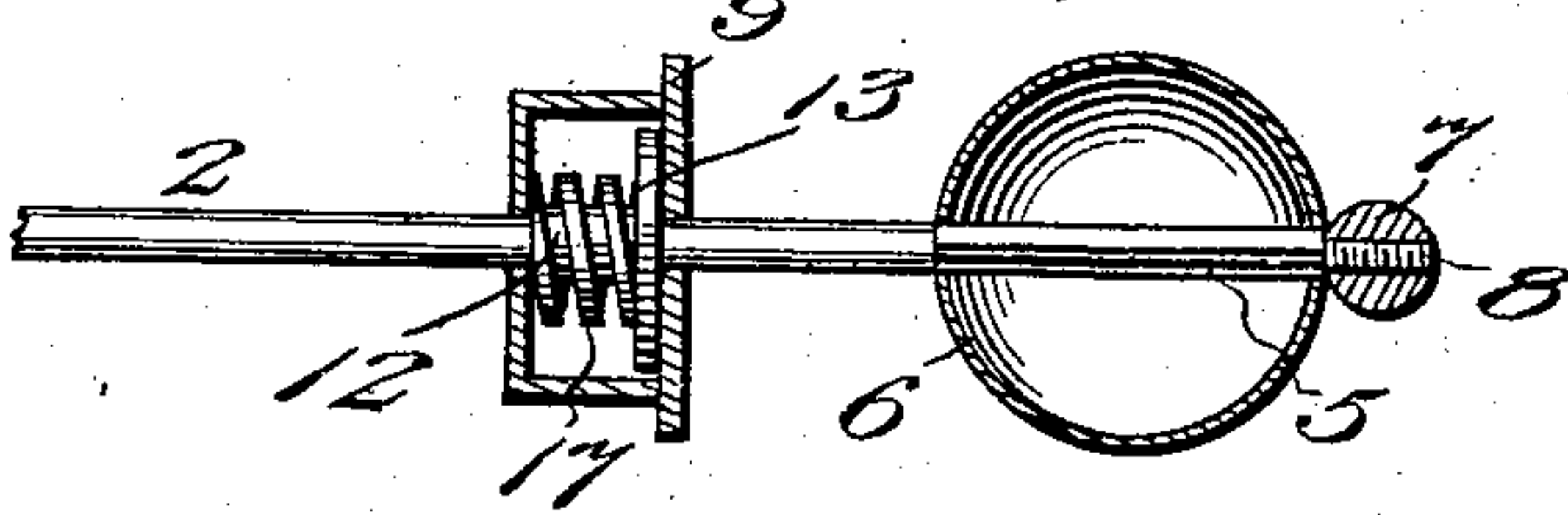
*Fig. 2.*



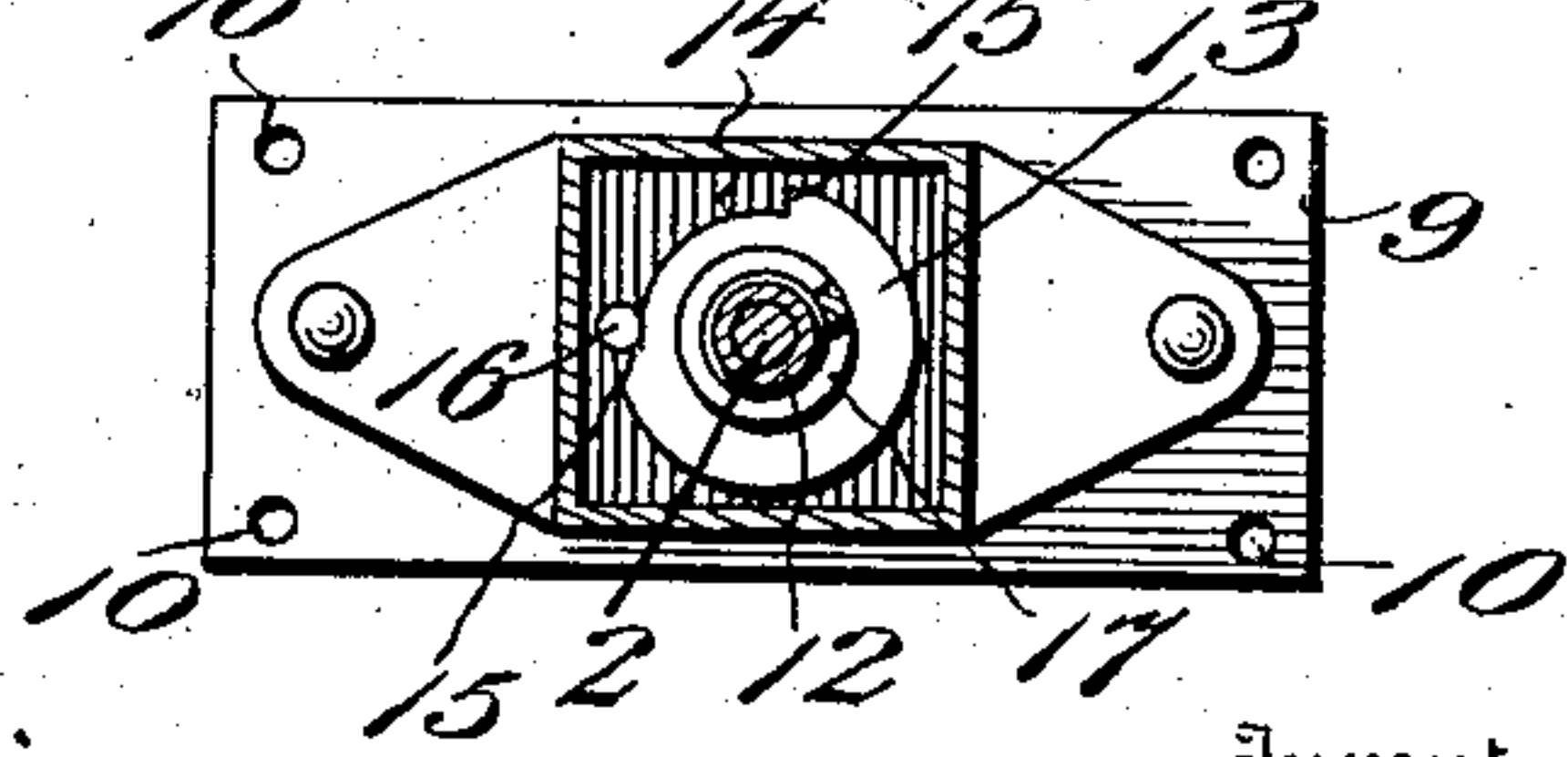
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

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## HAT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 726,154, dated April 21, 1903.

Application filed August 16, 1902. Serial No. 119,879. (No model.)

*To all whom it may concern:*

Be it known that I, THEODORE FRIES, a citizen of the United States, residing at Lyons, in the county of Wayne and State of New York, have invented new and useful Improvements in Hat-Fasteners, of which the following is a specification.

This invention relates to a lady's hat-fastener; and the object of the same is to provide simple and effective means to remain in connection with a hat whereby the latter may be firmly secured in applied position by a simple operation and as readily disconnected without the inconvenience of using the ordinary stick-pins and puncturing the hat, the improved device having an external appearance similar to the ordinary hat-pin.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a longitudinal vertical section of a hat, showing the improved fastener applied thereto and elevated into position to clear the same from the hair of the wearer. Fig. 2 is a transverse vertical section of the hat shown by Fig. 1, showing the fastener in full and dotted line positions. Fig. 3 is a detail perspective view of the improved fastener. Fig. 4 is a longitudinal vertical section of a portion of the fastener. Fig. 5 is a detail sectional elevation of a part of the fastener.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a hat of any preferred form, but as shown in the present instance is of the usual sailor type. The improved fastener is disposed in the hat and held in connection therewith, so as to be always ready for immediate operation without requiring a special preliminary application; but it will be understood that it is intended to remove the fastener from one hat and apply it to another, if desired, by detaching a portion of the elements comprised in the fastener structure.

The improved fastener essentially comprises an elongated pin 2, having at an in-

intermediate point a plurality of curved teeth 3, having the appearance of a curved comb, with the points exposed for easy entrance into the hair when the pin is turned in the proper direction, and also whereby the said teeth may be readily withdrawn from the hair by turning the pin in the opposite direction when it is desired to remove a hat having the improved device therein. The pointed extremity 4 of the pin is inserted through a side portion of the hat-crown, and the opposite extremity 5 of said pin is squared and has a spherical head 6 disposed thereon and held in applied position by a nut 7, engaging the screw-threaded terminal 8 of said squared extremity 5. On the inner side of the hat-crown adjacent to the head 6 a combined spring-actuated retention and stop device is applied and comprises a securing-plate 9, formed with corner-apertures 10 to receive fastening devices, such as stitches, which are passed therethrough and into the crown of the hat. Attached to the inner face of the plate 9 is an inclosing box or casing 11, the pin 2 being inserted through the center of the plate 9 and the inner vertical wall of the said box or casing 11. On the portion of the pin within the box or casing is a sleeve 12, fast on the pin member, having an integral stop-disk 13, formed with a peripheral notch 14 to provide opposite shoulders 15, which are adapted to contact with a stop-pin 16 to limit the rotation of the pin 2 in opposite directions, as clearly shown by Fig. 5. Surrounding the sleeve 12 and having its opposite terminals respectively bearing against the inner vertical wall of the box or casing 11 is a spring 17, which operates to retain the pin 2 in its applied position without liability of longitudinal sliding movement.

In operation after the pin and the parts cooperating therewith are applied, as shown by Fig. 1, the wearer applies the hat and rotates the pin through the medium of the exteriorly-located head 6 to turn the teeth 3 downwardly into the hair beneath, and as the teeth are of arcuate form they will gradually pass through the hair and the points will be projected upwardly when the pin 2 is turned

its full revolutionary extent in one direction and as controlled by the stop-pin 16. By this means it will be seen that the hat will be firmly secured in applied position without in-  
 5 juring the hair of the wearer. In removing the hat the pin 2 is rotated in a reverse direction to thereby gradually draw the teeth 3 out of engagement with the hair.

The head 6 will be ornamented in any suitable manner, and the parts of the device may be made of either base or fine material. From the foregoing description it will be seen that a hat-fastener is produced which may be readily operated to easily attach a hat or per-  
 15 mit the latter to be readily removed, and, furthermore, means will always be present within the hat whereby a secure application may be had. The improved device is strong and durable and can be manufactured at a  
 20 comparatively small expense, and it is obvious that changes in the proportions, dimensions, and minor details may be resorted to

without in the least departing from the spirit of the invention.

Having thus described the invention, what 25 is claimed as new is—

The combination with a hat, of a rotatable pin having curved teeth, a casing secured to the inner side of the hat through which the said pin rotatably projects, a disk and sleeve 30 fast on the pin within the casing, the disk having a peripheral slot, a stop-pin for engagement with the opposite end walls of the slot, and a spring surrounding the sleeve and having its opposite extremities bearing 35 against the disk and the inner wall of the casing.

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

THEODORE FRIES.

Witnesses:

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 J. D. ALDEN.