

No. 715,120.

Patented Dec. 2, 1902.

J. C. McDERMOTT.

HAT PIN.

(Application filed Aug. 22, 1901.)

(No Model.)

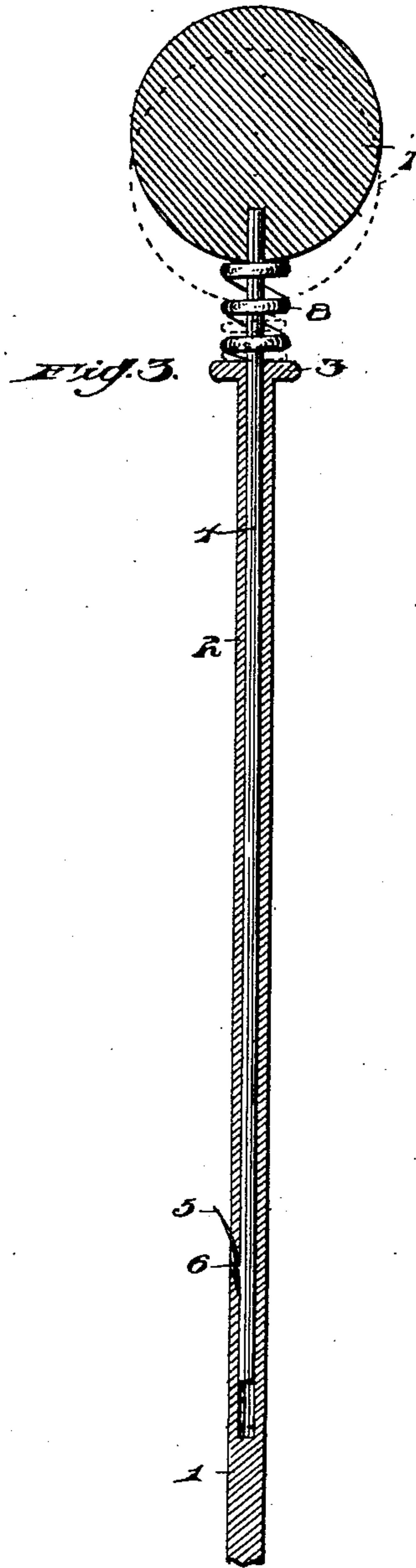
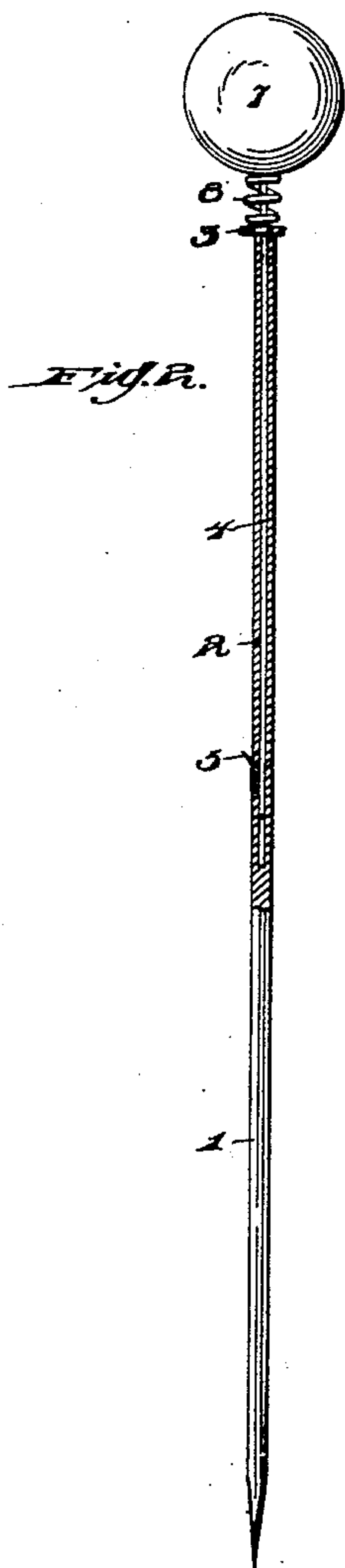
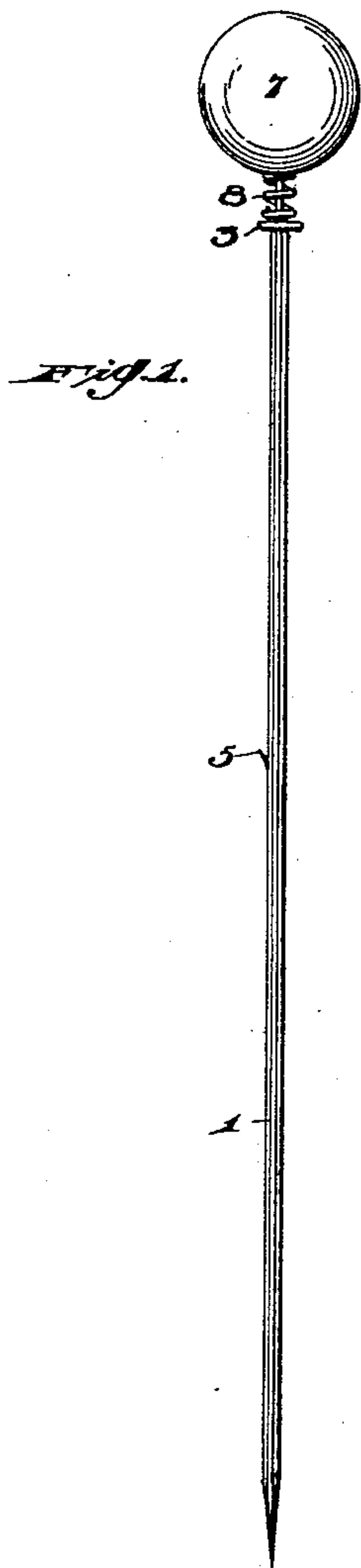


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN C. McDERMOTT, OF ALLEGHENY, PENNSYLVANIA.

HAT-PIN.

SPECIFICATION forming part of Letters Patent No. 715,120, dated December 2, 1902.

Application filed August 22, 1901. Serial No. 72,947. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. McDERMOTT, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hat-Pins, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in hat-pins, and has for its object the provision of novel means whereby a hat-pin will be prevented from becoming accidentally disengaged when placed in
15 proper position.

The present invention has for its further object to construct a hat-pin that may be operated in a manner that will allow the pin to be easily removed from the hat when desired.

20 The present invention further contemplates to construct a hat-pin of the above-described character that will be extremely simple in construction, strong, durable, comparatively inexpensive to manufacture, and highly efficient
25 in its use.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be hereinafter more fully described, and specifically
30 pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved hat-pin, showing the same in its normal position. Fig. 2 is a partially-vertical sectional
40 view thereof. Fig. 3 is an enlarged vertical sectional view showing in dotted lines the operation of my improved hat-pin. Fig. 4 is a detail perspective view of a portion of the pin carrying the barb.

45 In the drawings the reference-numeral 1 indicates the hat-pin proper, having formed therein an upper tubular portion 2, the upper end of said tubular portion terminating in a collar 3. In the said tubular portion 2 is secured an operating-rod 4, said rod carrying
50 near its lower extremity a barb 5, said barb 5 projecting through and operating in a slot 6,

formed in said tubular portion 2. The upper and lower edges of the said slot 6 are inclined upwardly, as shown in Fig. 3 of the drawings, whereby a wedge-shaped upper edge is formed. The upper end of the rod 4 carries a head 7. The reference-numeral 8 represents a spiral spring encircling the said rod 4, this spring being interposed between the head 60 7 and the collar 3. Barb 5 is located intermediate of the ends of the rod 4 and is preferably formed by slitting rod 4 from a point on its periphery downwardly and inwardly, and then bending the metal outwardly to form
65 the barb. By this construction I am enabled to provide a bearing for rod 4 both above and below the barb, and consequently have the bore of the tube 2 of the same diameter throughout. Furthermore, this construction
70 permits of the periphery of rod 4 engaging the walls of the bore of the tube throughout.

The operation of my improved hat-pin is as follows: The hat-pin is inserted through the hat and hair in the usual manner, the barb 75 5 projecting through the tubular portion 2, which will prevent the hat-pin from pulling out. When it is desired to remove the hat-pin, the head 7 is depressed, which will lower the barb 5 in the slot 6, the point of the barb
80 5 being flush with the exterior of the tubular casing 2. When in this position, the hat-pin may be easily removed.

It will be readily understood that the spiral spring 8 is secured to the collar 3 and head 7
85 and that the same may be arranged within the tubular casing, if desired, and that various other changes may be made in the details of construction without departing from the general spirit of my invention. 90

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a hat-pin the combination with the elongated tubular body portion provided at its upper end with an annular flange, and formed
95 intermediate its ends with an inclined slot having a wedge-shaped upper edge, of a rod of equal diameter throughout its entire length slidably mounted in the said tubular body
100 portion and engaging the entire inner wall thereof, said rod provided adjacent its lower edge with an inwardly and downwardly inclined slit the metal on one side of the slit

being bent outward to form a pointed barb adapted to project through the slot of the said body portion, a head on the upper end of the said rod, and a spring interposed between the said head and flange of the body portion, said spring being adapted to normally hold the rod in an elevated position, whereby the barb will be forced into engage-

ment with the wedge-shaped upper edge of the said slot, and forced outward. 10

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

JOHN C. McDERMOTT.

Witnesses:

JOHN NOLAND,
E. E. POTTER.