

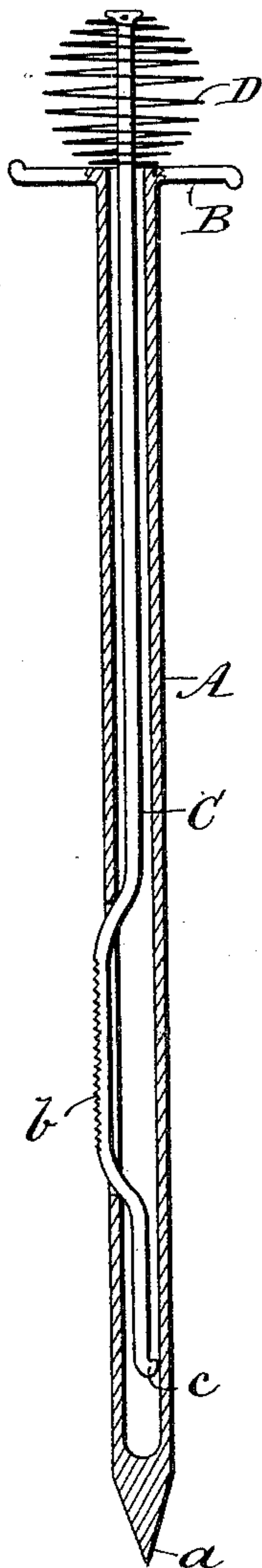
(No Model.)

M. CASHIN.
HAIR PIN.

No. 424,670.

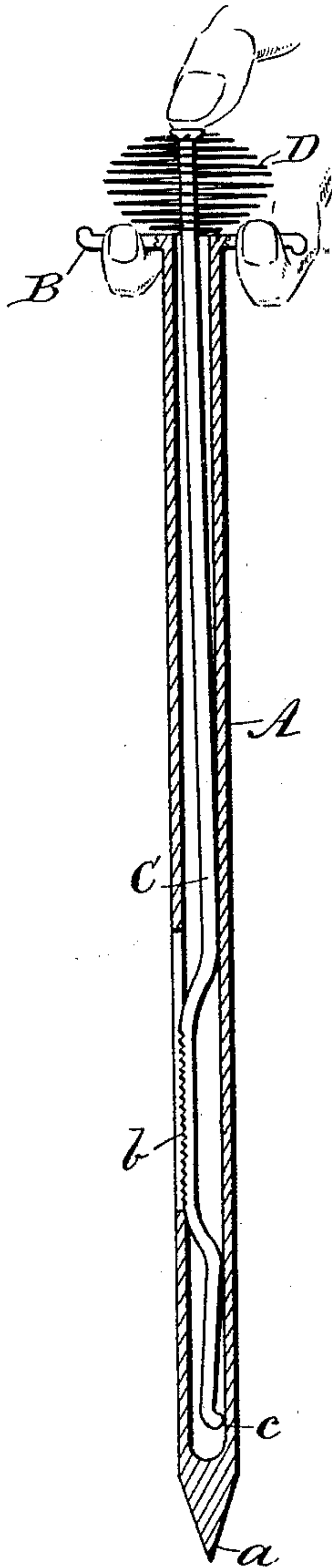
Patented Apr. 1, 1890.

Fig 1



WITNESSES:
H. Walker
C. Sedgwick

Fig 2



INVENTOR:
M. Cashin
BY *Mum & Co*
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UNITED STATES PATENT OFFICE.

MICHAEL CASHIN, OF RIFTON GLEN, NEW YORK.

HAIR-PIN.

SPECIFICATION forming part of Letters Patent No. 424,670, dated April 1, 1890.

Application filed November 29, 1889. Serial No. 332,038. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL CASHIN, of Rifton Glen, in the county of Ulster and State of New York, have invented a new and useful
5 Improvement in Hair-Pins, of which the following is a full, clear, and exact description.

The object of my invention is to provide a hair-pin of neat design and handsome appearance, which will be adapted to retain it-
10 self in the hair and be readily removable therefrom.

With these ends in view my invention consists in certain features of construction and combinations of parts, which will be here-
15 inafter described, and indicated in the claims.

Reference is to be made to the accompanying drawings, forming a part of this specification, in which similar letters indicate correspond-
20 ing parts in both of the figures.

Figure 1 represents a longitudinal section of the device with the parts in normal posi-
25 tion; and Fig. 2 is a longitudinal view in section, showing the parts adjusted to insert the device in the hair or remove it therefrom.

The hair-pin consists of a tube A, having
30 suitable length, and preferably made cylindrical, which shape in cross-section may be varied, if desired. Any degree of ornamenta-
tion may be given to the tube A, and any
suitable material may be employed in its construction.

A finger-piece, preferably in the shape of a cross-bar B, is secured to one end of the tube A, which bar can be given any preferred
35 form to suit the taste of the constructor. The opposite end *a* of the tube A is pointed to facilitate its insertion in a mass of hair, and at a proper distance therefrom one elongated aperture is cut in the wall of the tube.

40 Within the tube A a wire rod C is inserted. This is of such relative diameter to the tube as to slide freely therein, and is made of elastic or spring metal.

Upon the end of the rod C which extends
45 outside of the tube A a spirally-coiled globular wire head D is placed, having its outer terminal end affixed to the end of the rod C, its inner end being secured to the cross-bar B, whereby the rod is retained within the tube
50 and adapted to be longitudinally projected therein toward the pointed end of the tube

when the head D is compressed. The rod C is laterally bent to produce a swell thereon at *b*, which normally projects through the slotted aperture in the tube A, the projecting surface
55 being roughened in any suitable way, so that it will engage the mass of hair it may be pushed into, and thus prevent accidental detachment and consequent loss of the hair-pin. The rod end *c* is rounded and slightly bent, as shown,
60 thus aiding to project the elastic bent portion *b* through the mating aperture in the tube A.

In operation the device is inserted in place in the hair by placing the tube A between the front and middle fingers of the right hand and
65 compressing the spring-head D with the thumb. This will project the rod C endwise and cause its bent portion *b* to be carried within the tube A, thus permitting a free insertion of the tube. When in place, a relaxa-
70 tion of the pressure will allow the parts to assume a normal position and the rough surface of the part *b* to engage the hair and retain the hair-pin. To remove the pin, the spring-head is compressed, as has been ex-
75 plained, which will withdraw the projecting bent portion *b* of the rod C from its engagement with the surrounding mass of hair, and thus release the hair-pin in an obvious manner.

The construction of the device may be
80 slightly changed with the scope of my invention—as, for instance, the cross-bar B may be made as a circular, oval, or polygonal disk and the spring-head D changed in form without violation of the spirit of my invention; hence
85 I do not restrict the construction to the exact forms herein shown.

Having thus described my invention, what I claim as new, and desire to secure by Let-
90 ters Patent, is—

1. A hair-pin composed of a tube having a transverse piece at one end, a point at the other end, and an elongated aperture in its side, and an elastic rod which is bent, form-
95 ing a lateral protuberance, which is roughened and normally projects beyond the wall of the tube through its aperture, substantially as set forth.

2. In a hair-pin, the combination, with a tube having an elongated aperture in its wall
100 and a transverse piece at one end, of a rod which has a yielding roughened protuberance

on its body that may project through the aperture or be withdrawn therefrom, and means to move the rod longitudinally, substantially as set forth.

- 5 3. In a hair-pin, the combination, with a tube pointed at one end and provided with a slotted aperture in its side and a cross-bar affixed to its opposite end, of an elastic rod having an integral laterally-bent projection

which is roughened on its outer face, and a coiled spring-head which is attached by its end to the cross-bar and rod, substantially as set forth.

MICHAEL CASHIN.

Witnesses:

WILSON P. MORE,

JOHN KROM.