

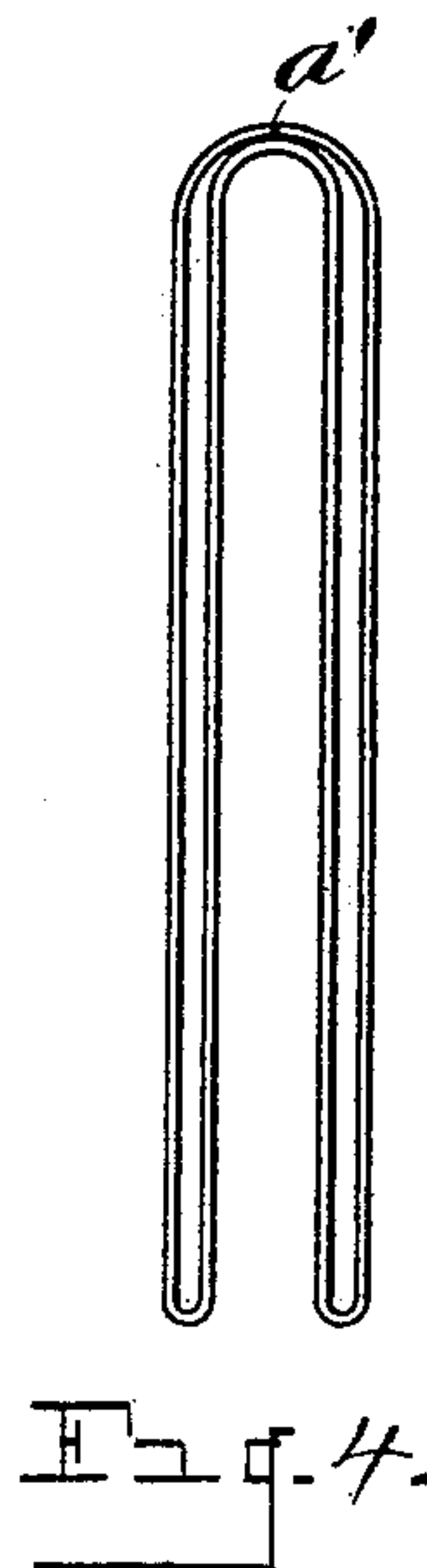
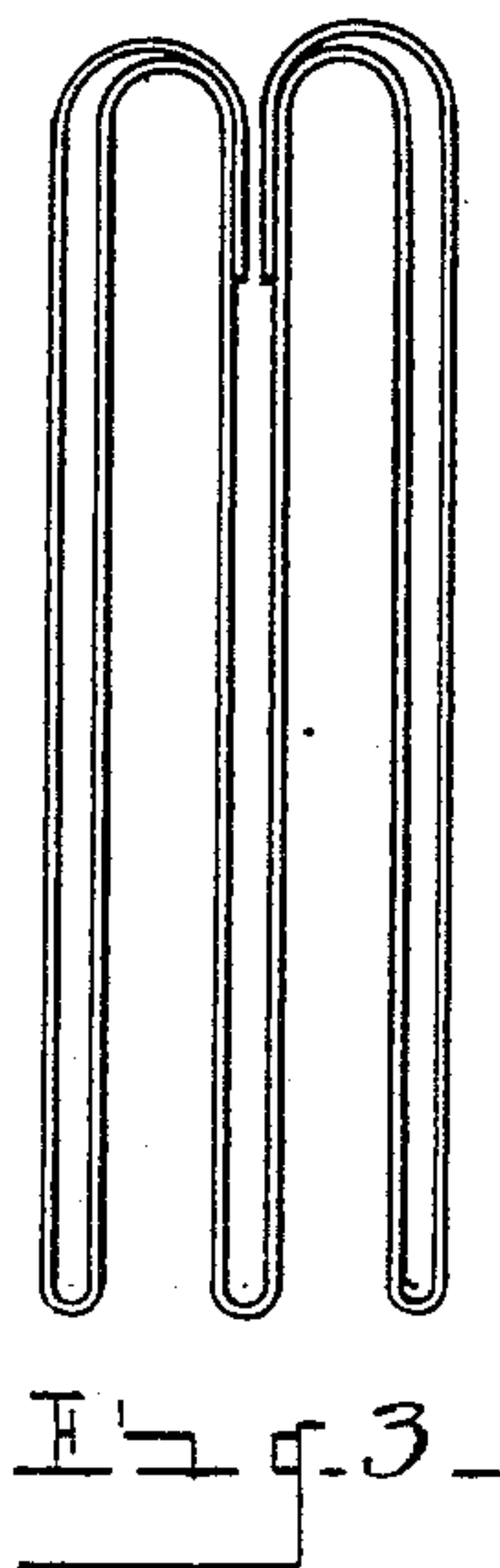
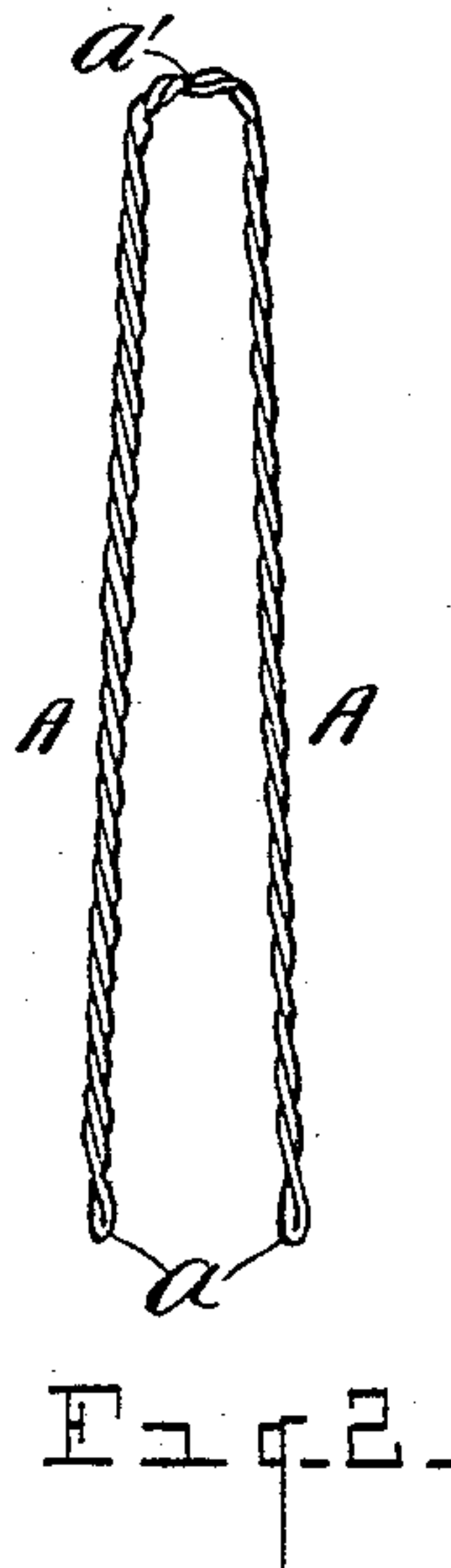
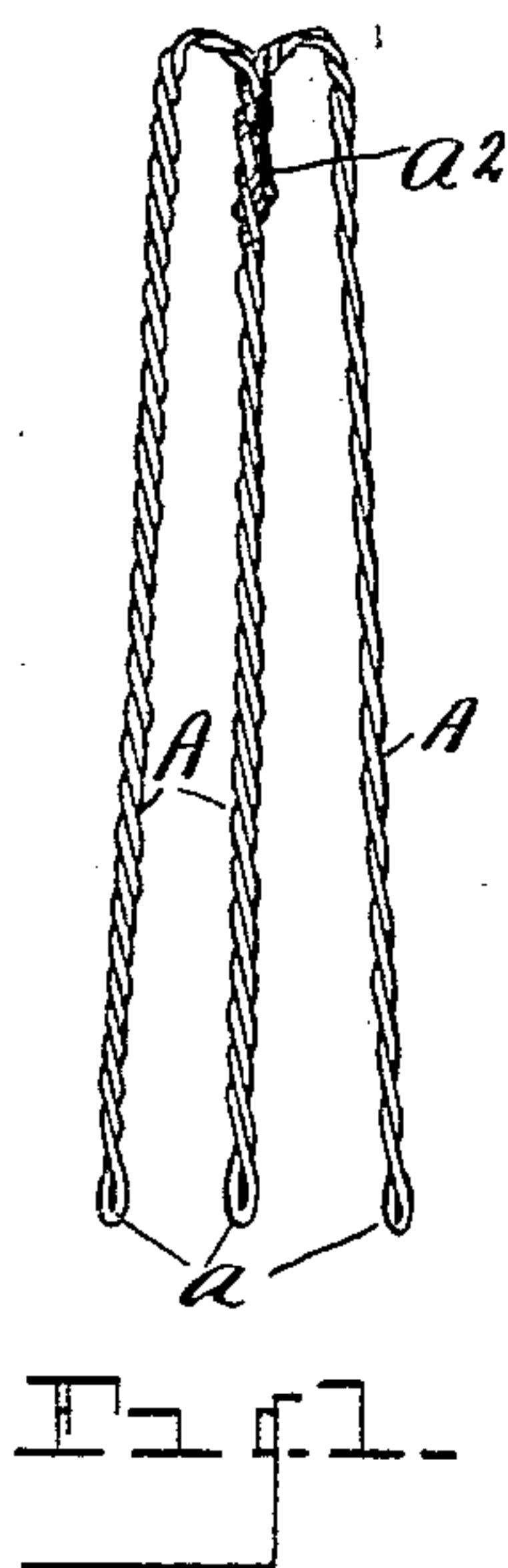
No. 616,680.

Patented Dec. 27, 1898.

C. A. MELDRUM.
HAIR PIN.

(Application filed Aug. 8, 1898.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

CHARLES A. MELDRUM, OF DETROIT, MICHIGAN.

HAIR-PIN.

SPECIFICATION forming part of Letters Patent No. 616,680, dated December 27, 1898.

Application filed August 8, 1898. Serial No. 688,035. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. MELDRUM, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Hair-Pins; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object certain improvements in hair-pins, as hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figures 1 and 2 are views in elevation showing modifications of my invention. Fig. 3 shows in outline the location of the wires embodied in Fig. 1, the wires being untwisted in order to more clearly illustrate the manner of constructing the pin shown in Fig. 1. Fig. 4 is also a view showing in outline the form of pin illustrated in Fig. 2, but the wires being untwisted.

It will be understood that Figs. 3 and 4 are used to represent the manner of constructing the pin shown in Figs. 1 and 2, the outline shown in Figs. 3 and 4 showing the pins incomplete.

The improved pins herewith illustrated are formed with one or more prongs formed of twisted wire, the wire forming the twisted prong being bent back and twisted on itself, so as to leave the prong with a bent end rather than with the wire cut or pointed at the end.

In the drawings, A represents prongs formed of twisted wire, the wire being bent back intermediate of its ends and twisted upon itself in the completed article, as shown, leaving bent ends at the extremities of the prongs, as indicated at *a*, so that the extremities of the prongs will not cut or tear the hair or injure the scalp. As shown in Fig. 2, the pin may be formed with two prongs only. In all of the cases shown the pins are made of a single piece of wire. When the pin is formed of

two prongs, as in Fig. 2, one end of the wire is bent back analogous to the outline shown in Fig. 4, after which the two adjacent portions of wire are twisted upon themselves, as shown in Fig. 2, the extremities of the wire being brought back to the head of the pin, where they may be soldered together, as at *a'*, or the extremities may be otherwise securely fastened at the head of the pin.

In the form shown in Fig. 1 one end of the wire is bent back on itself, then downward to form a middle prong, and then back to the head, and again downward and back to the head, as outlined in Fig. 3, the two extremities of the wire being brought back adjacent to the head of the pin. The adjacent parts of each prong may be twisted upon itself to form the individual prongs, and the extremities of the wire may then be twisted at the head about the center prong, as indicated at *a''*, Fig. 1. I do not limit myself to any particular way of fastening the extremities of the wire at the head of the pin, as they may be soldered or twisted about adjacent parts or otherwise fastened in place, as may be desired. A pin so constructed may be formed in a very simple and economical manner, while the prongs, one or more, may be formed of the wire bent back and twisted on itself, thus forming a prong adapted to have a fixed retention in the hair and one not liable to become displaced. The pins being formed of a single piece of wire may readily be formed of wire cut of desired lengths.

Where two or more prongs are twisted in the manner described, by constructing the extremities of the prongs in the form of a loop or bend, as indicated at *a*, there is not only no liability of injuring the hair or scalp, but the extremities of the wire are brought back to the head and fastened in such a position that said extremities are out of the way of doing injury.

What I claim as my invention is—

1. A hair-pin formed of a single piece of wire having the extremities thereof bent back upon the body of the wire and twisted, forming

twisted prongs, the extremities of the wire being brought back and fastened adjacent to the head of the pin, substantially as set forth.

2. A three-pronged hair-pin made of a single piece of wire bent back and twisted upon
5 itself to form twisted prongs, the extremities of the prongs being looped and the extremities of the wire being brought back and fas-

tened adjacent to the head of the pin, substantially as set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

CHARLES A. MELDRUM.

Witnesses:

N. S. WRIGHT,
MARY HICKEY.