

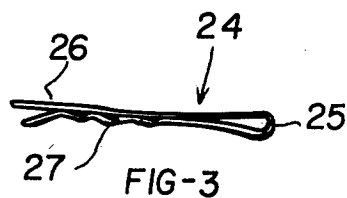
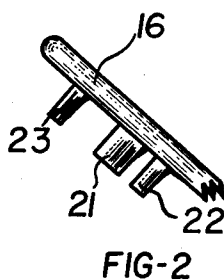
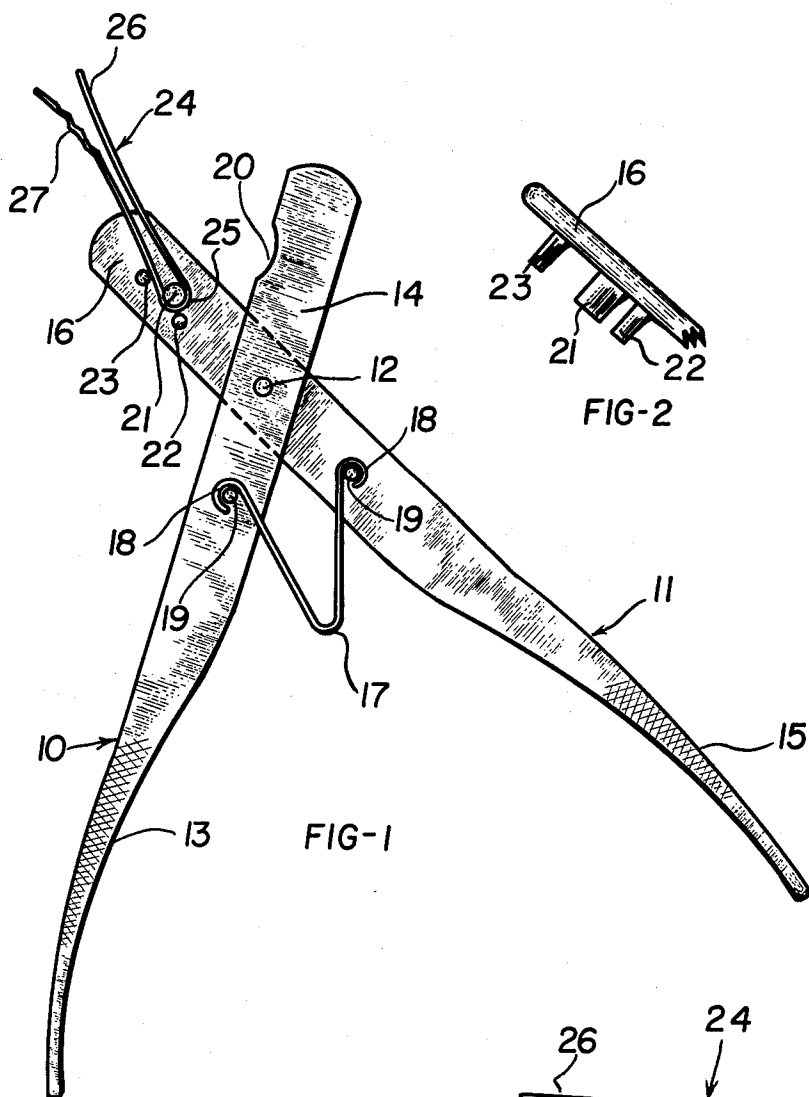
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BOBBY PIN REFORMING TOOL

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BOBBY PIN REFORMING TOOL

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1 Claim. (Cl. 81—15)

The present invention relates to a bobby pin reforming tool and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally there is provided a simple hand-operated tool which is adapted to return a sprung bobby pin to its original and proper formation. The device consists of a pair of arms which are pivoted together to form a pair of operating handles at one side of the pivotal point, a pair of arms upon the other side of the pivotal point. One of the arms has extending laterally therefrom an anchor pin and a pair of guide pins while the other arm is provided in one side thereof with an indentation adapted to coact with the anchor pin when the handles are brought together. The device is such that a sprung bobby pin may be placed over the anchor pin with adjacent portions abutting the guide pin and, when the handles are brought together forced to reassume its original condition.

It is accordingly an object of the invention to provide a novel manually operated tool for reforming conventional bobby pins which have been sprung.

Another object of the invention is to provide a device of the character set forth which is simple in construction, inexpensive to manufacture and yet effective and efficient in use.

A further object of the invention is to provide, in a device of the character set forth, a novel anchor pin, guide pins and recessed arm all forming parts of the invention.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawing, in which:

Figure 1 is a side elevational view of an embodiment of the invention showing a sprung bobby pin mounted therein,

Figure 2 is a fragmentary plan view of a portion of the device illustrated in Figure 1, and

Figure 3 is a side elevational view of a bobby pin which has been reformed by the present invention.

Referring more particularly to the drawing, there is shown therein a device of the character set forth comprising a pair of levers generally designated at 10 and 11 which are pivotally interconnected by means of a bolt and nut 12 to thus form in the lever 10 an operating handle 13 and a work arm 14 and, in the lever 11 an operating handle 15 and work arm 16.

A V-shaped spring 17 is provided at each of its ends with an outwardly extending hook 18 which encompasses a mounting pin 19 one of which is affixed to the handle 13 and the other of which is affixed to the handle

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15. The spring 17 is preferably a flat spring and is biased to normally urge the handles 13 and 15 apart.

The work arm 14 is provided in one side thereof adjacent its outer end with an indentation 20 while the work arm 16 is provided with a relatively large circular anchor pin 21 inwardly adjacent to which is affixed a stop pin 22. A guide pin 23 is affixed to the arm 16 outwardly of the anchor pin 21.

A bobby pin is generally designated at 24 and is provided with a rounded bight portion 25 from which extends a relatively straight leg 26 and a convoluted leg 27.

In operation, when it is desired to reform a bobby pin which has been sprung, that is to say whose legs 26 and 27 have been forced apart beyond the elastic power of the material of which it is formed, to return to its normal position as shown in Figure 3, it is only necessary to position such sprung bobby pin 24 upon the work arm 16 in such manner that its bight portion 25 encompasses the anchor pin 21 while the adjacent portions of the leg 27 abut against the pins 22 and 23 in the manner shown in Figure 1, the pin shown in Figure 1 being such a sprung pin. Thereafter it is only necessary to bring the handles 13 and 15 together against the action of the spring 17 whereupon the anchor pin 21 and the portions of the leg 26 adjacent the anchor pin 21 will be received in the indentation 20 and the sides of the arm 14 forming the indentation and the adjacent portions thereof will then come to bear against the leg 26 to force the same to its original position. Meanwhile the stop pin 22 will limit the movement of the arm 14 with respect to the arm 16 while the guide pin 23 will maintain the arm 27 against movement during the above-described operation. Upon releasing manual pressure upon the handles 13 and 15, the spring 17 will return the device to its original position as shown in Figure 1 whereupon the bobby pin 24 may be removed from the device, it having assumed its original and normal condition as illustrated in Figure 3.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claim.

What is claimed is:

45 A device of the character described comprising a pair of pivotally interconnected levers, said pivotal connection dividing each of said levers into a relatively long handle and a relatively short work arm, an anchor pin, a stop pin and a guide pin, said pins extending laterally from one of said work arms into the plane of movement of the other of said arms, and said other arm having an indentation therein adapted to partially receive said anchor pin, said stop pin affixed to its work arm inwardly of said anchor pin, and said guide pin affixed to said work arm outwardly of said anchor pin.

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