

[54] **HINGE PIN REMOVER**

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[51] Int. Cl. **B25p 19/04**

[58] Field of Search.....29/225, 267, 283, 253; 254/131

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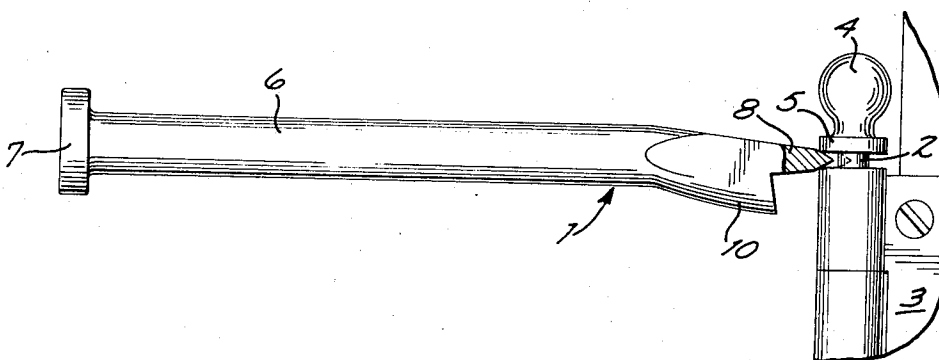
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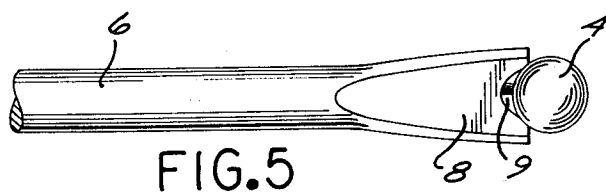
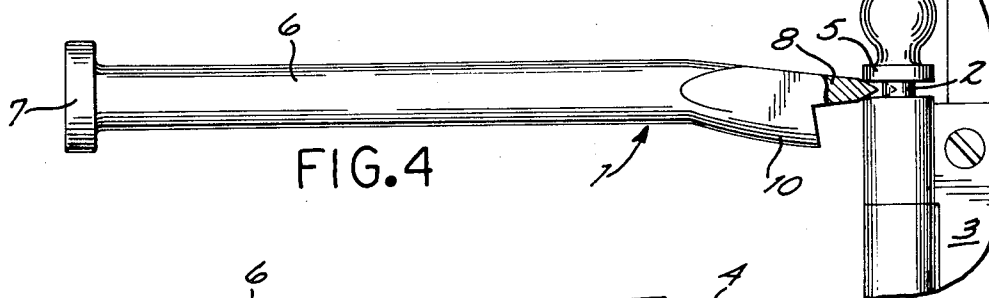
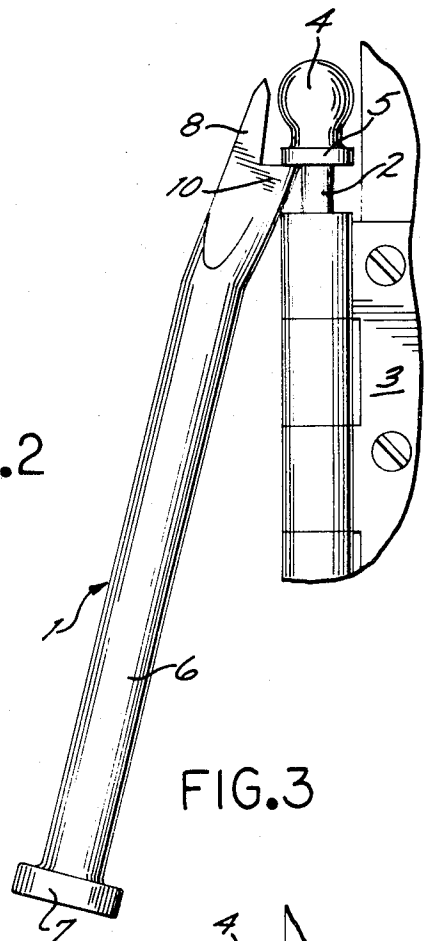
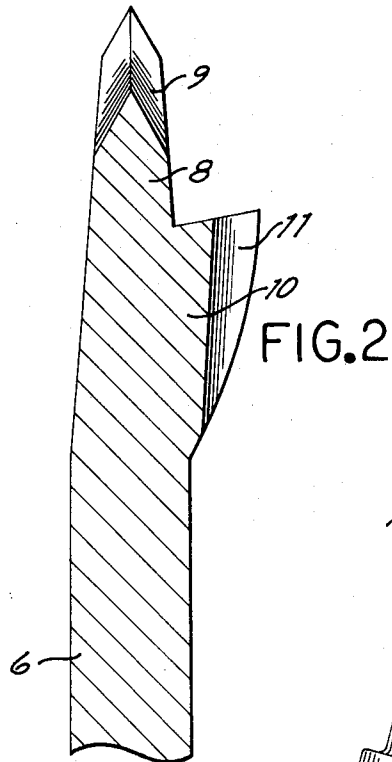
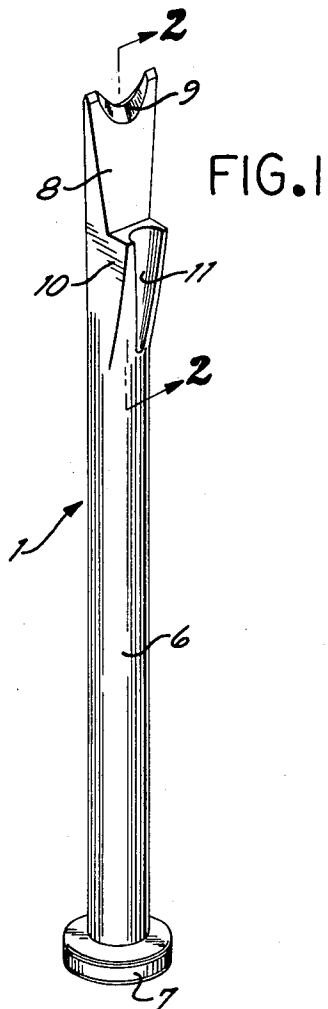
Attorney—Harold A. Dreckman

[57] **ABSTRACT**

This invention relates to an effective means of removing the hinge pin, particularly of a plate type hinge, when it is necessary to remove the hinge pin in order that the door may be removed from its mounting. My hinge pin removing tool provides a sturdy driver type device which can be struck with a hammer in order to drive the hinge pin out of its socket, particularly when the hinge pin is rusted or has been painted while in place.

2 Claims, 5 Drawing Figures





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BY

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HINGE PIN REMOVER

An object of my invention is to provide a novel hinge pin remover consisting of a sturdy cylindrically shaped device which can be driven under the head of a hinge pin to start the removal of the pin and, subsequently, to drive the pin upwardly by means of a shoulder to completely remove the pin from its seat.

Another object of my invention is to provide a novel hinge pin remover which is simple in construction and effective in operation.

Other objects, advantages and features of invention may appear from the accompanying drawing, the subjoined detailed description and the appended claims.

In the drawing:

FIG. 1 is a side elevation of my hinge pin remover.

FIG. 2 is a fragmentary sectional view taken on line 2—2 of FIG. 1.

FIG. 3 is a side elevation of my tool illustrating the position of the tool when removing a hinge pin.

FIG. 4 is a side elevation of my tool illustrating its position when starting the removal of a hinge pin from its seat.

FIG. 5 is a fragmentary plan view of my hinge pin remover.

Referring more particularly to the drawing, my hinge pin remover 1 is particularly adapted to remove the hinge pin 2 from its seat in a plate type hinge 3. The hinge pin 2 is provided with a head 4 and a shoulder 5 immediately below this head. The hinge pin 2 frequently is painted while in operative position or it becomes rusted and is, therefore, difficult to remove in order that the door to which the hinge is attached may be removed. My hinge pin remover 1 consists of an elongated cylindrical body 6 which is of sufficient size and weight so that it can be struck with a hammer in order to remove the hinge pin, as will be subsequently described. An enlarged head 7 is provided on one end of the body 6 and this head is struck by a hammer when the hinge pin is being removed. This head also prevents

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the tool from being battered excessively when it is struck repeatedly with a hammer during its use.

On the end of the body 6 opposite the head 7 I provide a V-shaped chisel blade 8 which is tapered from top to bottom, and the upper end is cut in a V-shape, as shown at 9. The V-shaped notch 9 is also tapered so that the hinge may be started and removed from its seat by driving this chisel-like blade under the shoulder 5 of the hinge pin 2, as shown in FIG. 4. Once the hinge pin 2 has been partially removed from its seated position, it can be completely removed by means of the shoulder 10 which projects from the body 6 and is positioned immediately below the blade 8. A groove 11 is provided in the shoulder 10 which will fit around the pin 2 when the hinge pin is being completely removed from its seat, as shown in FIG. 3. The end of the hinge pin remover, which includes the blade 8 and the shoulder 10, may be slightly offset at an angle to more readily engage the hinge pin 2, especially when this hinge pin is engaged by the shoulder 10. The V-shaped notch 9 serves to center the tool when the hinge pin 2 is first engaged, and assists in properly positioning the tool so that the hinge pin may be effectively lifted.

Having described my invention, I claim:

1. A hinge pin remover comprising an elongated body, a blade tapered from top to bottom and positioned at one end of said body, and said blade having a notch formed in the top thereof to partly encircle the hinge pin, and a shoulder projecting at right angles from said body adjacent the lower end of said blade.

2. A hinge pin remover comprising an elongated body, a blade tapered from top to bottom and positioned at one end of said body, and said blade having a notch formed in the top thereof to partly encircle the hinge pin, and a shoulder projecting from said body adjacent the lower end of said blade, and said shoulder having a groove extending lengthwise thereof to partly encircle the hinge.

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