Aug. 24, 1926.

C. JOHNSON ET AL

1,597,159

COTTER PULLER

Filed Dec. 1, 1924

Fig. 1.

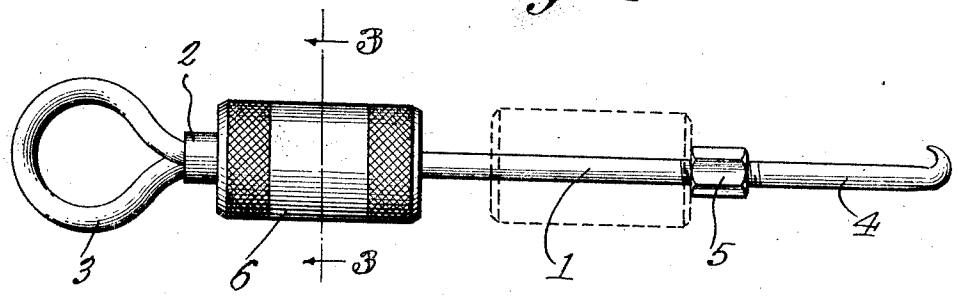
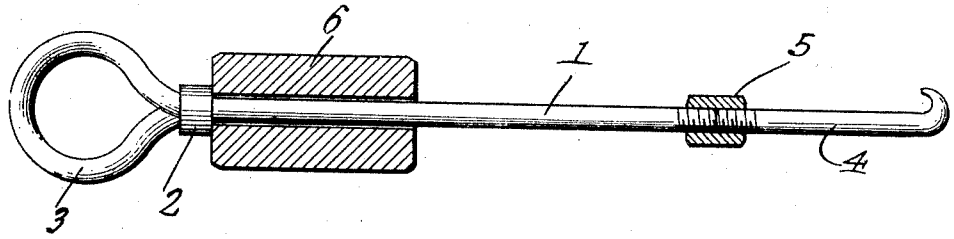


Fig. 2.



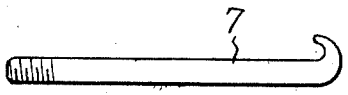
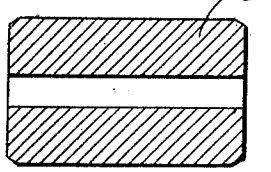
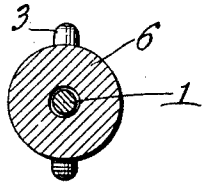


Fig. 3.

Fig. 5.

Fig. 4.





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Patented Aug. 24, 1926. 1,597,159

UNITED STATES PATENT OFFICE.

CHARLES JOHNSON AND CHARLES H. STEARS, OF AUBURN, NEW YORK.

COTTER PULLER.

Application filed December 1, 1924. Serial No. 753,297.

This invention aims to provide novel means whereby a cotter pin may be pulled, it being possible to change either the hook whereby the cotter pin is engaged, or the weight through the instrumentality of which the cotter pin is withdrawn.

It is within the province of the disclosure to improve generally and to enhance the utility of a device of that type to which the invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in side elevation, a device constructed in accordance with the invention; Figure 2 is a view similar to Figure 1, the weight being in section, as is the coupling; Figure 3 is a cross section on the line 3—3 of Figure 1; Figure 4 is a sectional view showing a modified weight, and Figure 5 is a plan showing a modified hook.

The device forming the subject matter of this application comprises a body 1 provided with an abutment 2 carrying a handle 3 which may be loop-shaped, if desired. The device includes a hook 4. A coupling 5 is threaded on the hook 4 and on the body 1 and holds the hook detachably assembled with the body. A weight 6 is mounted to reciprocate on the body 1 between the coupling 5 and the abutment 2, the abutment serving to receive the impact of the weight 6 during the pulling of a cotter pin engaged with the hook 4. The coupling 5 enables the hook 4 to be replaced by a hook 7 of a different size, and which permits the weight 6 to be replaced by a weight 8 of different size, the substitution of the element 7 for the element 4 and the substitution of the element 8 for the element 6 being desirable, depending upon the nature of the cotter pin which is to be drawn. Owing to the fact that the coupling 5 is provided, the weight 6 may be removed without disturbing the abutment 2, and the abutment, therefore, may be so securely assembled with the body 1 that it will be well adapted to withstand the impacts of the weight 6.

Having thus described the invention, what is claimed is:—

A device for drawing cotter pins, comprising a body provided with an abutment, a hook, an outstanding coupling sleeve connecting the hook with the body, and a weight mounted to reciprocate on the body into contact with the coupling sleeve and into contact with the abutment, the abutment serving to receive the impact of the weight during the pulling of a cotter pin engaged with the hook, the coupling sleeve serving to prevent the weight from striking the hook, and permitting an interchange of hooks and an interchange of weights without disturbing the abutment, thereby permitting the abutment to be so securely assembled with the body that the abutment will be well adapted to receive the impact of the weight.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures.

CHARLES JOHNSON.
CHARLES H. STEARS.