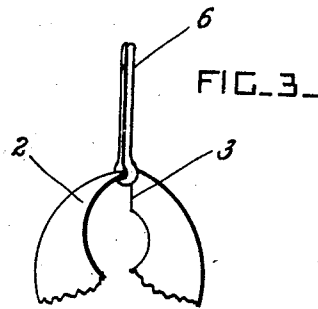
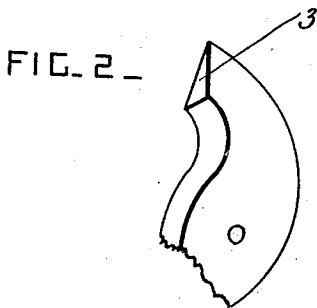
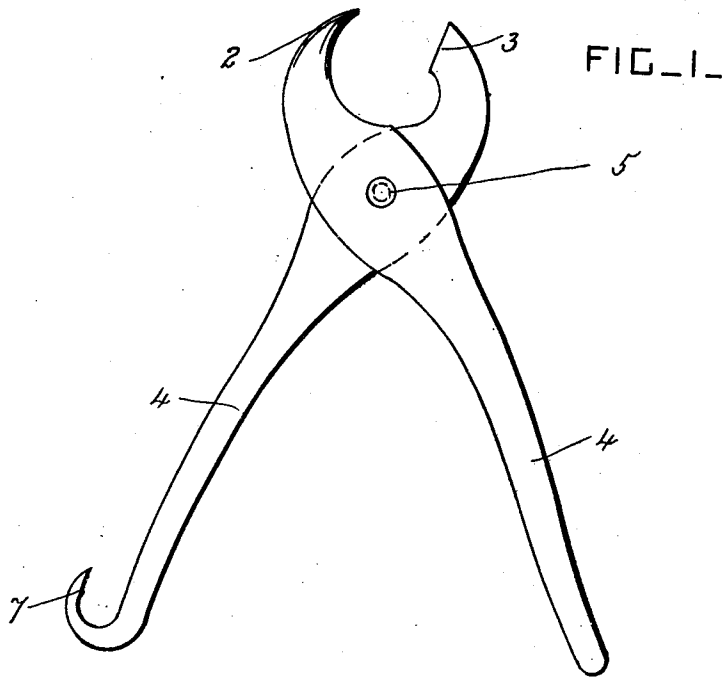


A. NYHUS.
COTTER PIN EXTRACTOR.
APPLICATION FILED DEC. 24, 1919.

1,347,287.

Patented July 20, 1920.



Inventor
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by Herbert W. Jenner.
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UNITED STATES PATENT OFFICE.

ADOLPH NYHUS, OF LA CROSSE, WISCONSIN.

COTTER-PIN EXTRACTOR.

1,347,287.

Specification of Letters Patent. Patented July 20, 1920.

Application filed December 24, 1919. Serial No. 347,073.

To all whom it may concern:

Be it known that I, ADOLPH NYHUS, a citizen of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented certain new and useful Improvements in Cotter-Pin Extractors, of which the following is a specification.

This invention relates to extracting devices specially adapted for removing cotter pins; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of a cotter pin extractor constructed according to this invention. Fig. 2 is a perspective view of the triangular jaw. Fig. 3 is a detail view showing how the jaws engage the cotter pin.

Two opposed jaws 2 and 3 are provided on the ends of crossed and pivoted shanks 4 which work on the pin 5 like shears. One jaw 2 is conical and terminates in a point. The other jaw 3 is triangular in cross-section, and its face is arranged radially of the pivot pin 5, and so that the point of the

conical jaw 2 comes against its outer angle, and with one side of its face parallel to the pivot pin 5.

This formation of the jaws enables them to engage with a cotter pin 6 as shown in Fig. 3, and open out its loop when same has become distorted. One shank or handle also has a hook 7 which can be used occasionally. The triangular jaw can be used for spreading the end portions of the pin, and also for straightening them before extracting the pin.

What I claim is:

An extractor for cotter pins, comprising two crossed and pivoted shanks, one shank having a jaw provided with a flat triangular face arranged radially of the pivot of the shanks with its base parallel to the said pivot, and the other shank having a curved and conical jaw the point of which is arranged opposite to the apex portion of the said triangular face.

In testimony whereof I have affixed my signature.

ADOLPH NYHUS.