

No. 760,219.

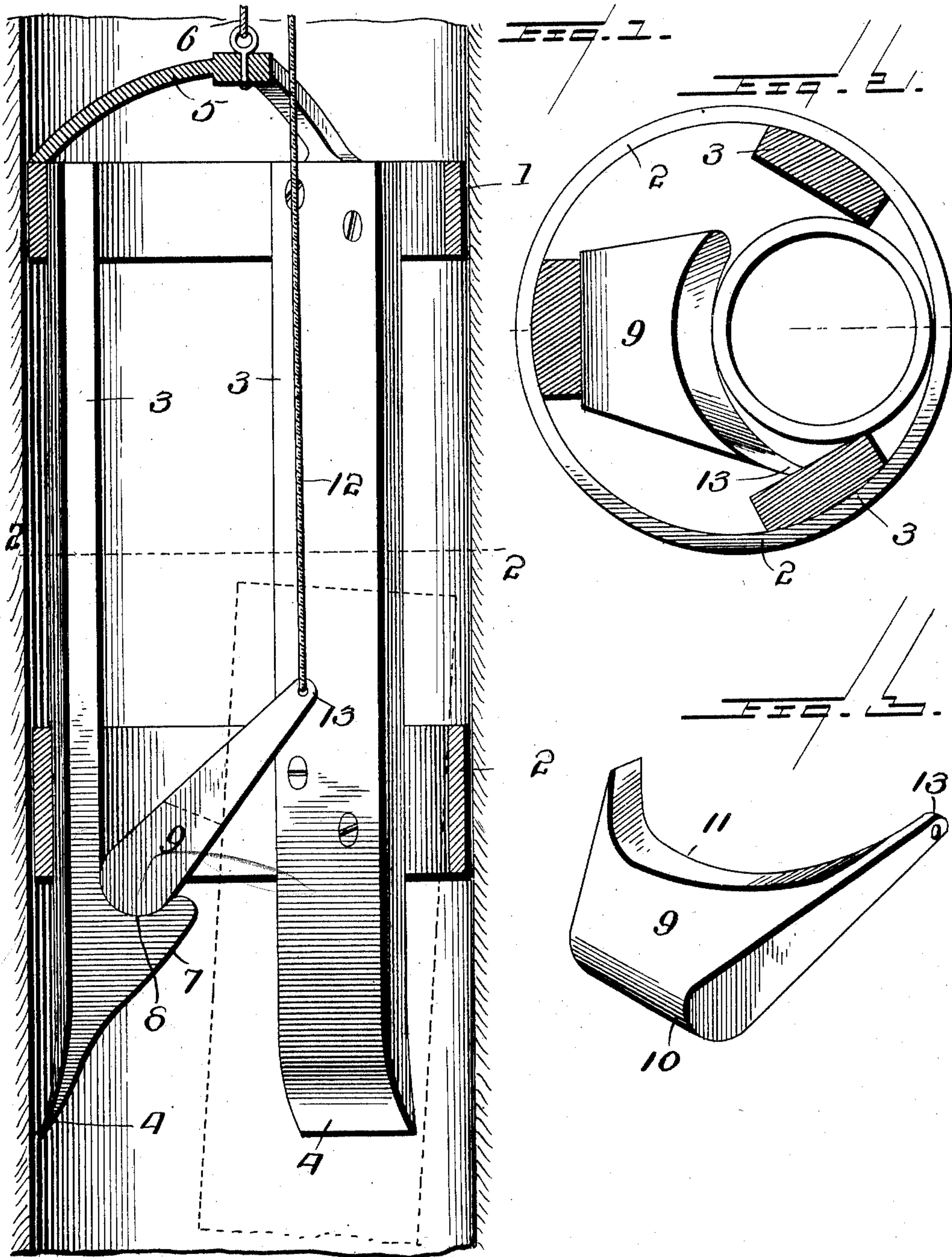
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J. LISLE.

DEVICE FOR EXTRACTING RODS, &c., FROM WELLS.

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NO MODEL.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JAMES LISLE, OF SARGENT, NEBRASKA.

## DEVICE FOR EXTRACTING RODS, &c., FROM WELLS.

SPECIFICATION forming part of Letters Patent No. 760,219, dated May 17, 1904.

Application filed September 11, 1903. Serial No. 172,797. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES LISLE, a citizen of the United States, residing at Sargent, in the county of Custer and State of Nebraska, have  
5 invented new and useful Improvements in Devices for Extracting Rods, &c., from Wells, of which the following is a specification.

My invention has relation to devices for extracting pump-rods and other articles from  
10 drilled wells; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a device adapted to be lowered in drilled wells,  
15 said device being so constructed as to surround and grip an object in the well, such as a broken pump-rod, and as the device is drawn to the mouth of the well the said object is carried with it.

The device consists, primarily, of two or more bands of approximately the same diameter as the well, with vertical bars connecting the said bands together, said bars being beveled off at their lower ends, one of the said  
25 bars having a rest, with a concave socket extending transversely thereof, with a catch having a rounded end fitting in said socket, the opposite edge of the said catch being sharpened and concaved, and a flexible connection  
30 attached at one end to the corner of said catch, said connection extending up through the device and out at the mouth of the well.

In the accompanying drawings, Figure 1 is a transverse sectional view of a well, showing  
35 the device in section located therein. Fig. 2 is a horizontal sectional view of the device cut on the line 2 2 of Fig. 1. Fig. 3 is a perspective view of the catch.

The device consists of the bands 1 and 2,  
40 which are substantially the same diameter as the well. The vertical bars 3 3 connect the said bands 1 and 2 together. The lower ends of the said bars are beveled, as at 4, and are bent back slightly, as indicated in Fig. 1. The upper band 1 is provided with a bail 5, to which  
45 is attached the rope 6, by means of which the

device is raised and lowered in the well. One of the bars 3 is provided with an integral inwardly-extending lug 7, which is provided in its upper side with the concave groove 8, extending transversely thereof. The catch 9 is  
50 provided with the rounded end 10, which rests in the said groove 8. The opposite edge of said catch is concaved and sharpened, as at 11, the breadth of the said catch increasing toward the curved sharpened edge, but its thickness diminishing toward the said edge. The lower end of the wire or cord 12 is attached  
55 to the projecting corner 13 of the said catch, whereby the said catch may be manipulated and caused to disengage the article being removed from the well.

The device operates as follows: It is lowered into the well, and the pump rod or tube is received in the space between the bars 3 3 and  
65 assumes a position as indicated by dotted lines in Fig. 1, when the sharpened edge 11 of the catch 9 comes in contact with the side of the object being removed and impinges the same in a manner as shown in Fig. 2, when the said  
70 object may be readily drawn out of the well, together with the device.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the character as described consisting of a receptacle, a catch pivotally supported therein and having a concave sharpened edge and a projecting corner and an operating-cord attached to said corner.  
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2. A device of the character as described consisting of a receptacle, a catch pivotally supported therein said catch being thickest and narrowest at its pivoted end and broadest and thinnest at its opposite edge.  
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In testimony whereof I affix my signature in presence of two witnesses.

JAMES LISLE.

Witnesses:

CHAS. NICOLAI,  
H. A. SHERMAN.