

J. W. BATT.
 PERFORATION CLEANER FOR OIL WELL PIPES.
 APPLICATION FILED MAY 31, 1912.

1,040,118.

Patented Oct. 1, 1912.

Fig. 1.

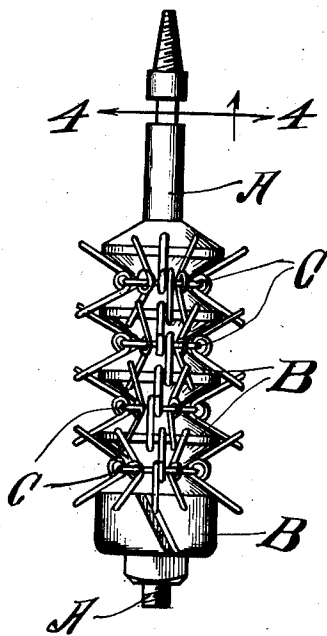


Fig. 2.

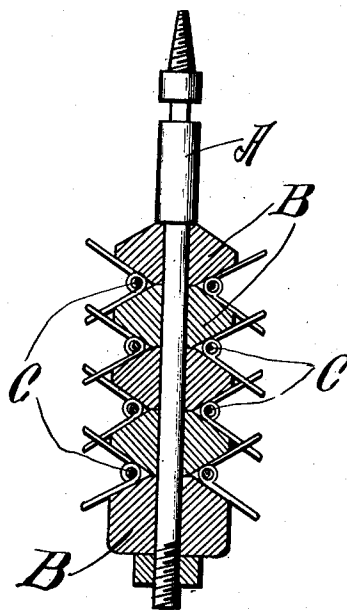


Fig. 3.

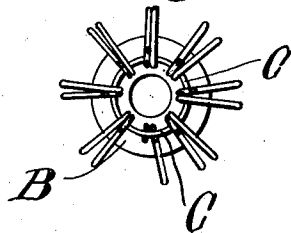


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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PERFORATION-CLEANER FOR OIL-WELL PIPES.

1,040,118.

Specification of Letters Patent.

Patented Oct. 1, 1912.

Application filed May 31, 1912. Serial No. 700,830.

To all whom it may concern:

Be it known that I, JESSE W. BATT, a citizen of the United States, residing at Maricopa, in the county of Kern and State of California, have invented certain new and useful Improvements in Perforation-Cleaners for Oil-Well Pipes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in devices for cleaning the perforations in the linings of wells and comprises a simple and efficient device of this nature having various details of construction and combinations and arrangements of parts which will be hereinafter fully described, shown in the accompanying drawings and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is an elevation of my cleaning device. Fig. 2 is a central longitudinal sectional view, and Fig. 3 is a detail view of one of the disks with resilient fingers projecting therefrom.

Reference now being had to the details of the drawings by letter, A designates the stem of the cleaning tool which is threaded at one end for attachment to the well rod and is provided with a series of links or disks B which may be of any form, preferably beveled upon opposite faces. A series of rings, designated by letter C, is held between each pair of disks and upon each ring is a series of resilient fingers arranged

in pairs and each made of a piece of wire bent to form a coil which receives said ring. Said fingers project at angles to each other and are positioned parallel to the beveled surface of the disk and extend beyond the ends of the disks.

In operation, the device is adapted to be pushed back and forth through the perforated well tube, the fingers being adapted to engage the perforations in the tube and clear out any rock or other foreign substance which may flow therein, thus allowing the oil to flow freely through into the tube.

What I claim to be new is:—

1. A well cleaning device comprising a rod, a series of disks thereon, rings intermediate the disks, and a series of resilient fingers projecting from the rings, as set forth.

2. A well cleaning device comprising a rod, a series of disks thereon, rings intermediate the disks, a series of wires bent to form a coil through which the rings pass, the ends of the wires being resilient and adapted to engage the perforations in the tube to clean out any foreign matter contained therein, as set forth.

3. A well cleaning device comprising a rod, a series of disks having double beveled edges, rings mounted upon the rod intermediate the disks, wires bent to form eyes for the reception of the rings, the ends of said wires being resilient and projecting beyond the disks and adapted to engage the perforations to clean foreign matter therefrom, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JESSE WILLIAM BATT.

Witnesses:

J. NO. WILSON,
JOSEPH KAINS.