

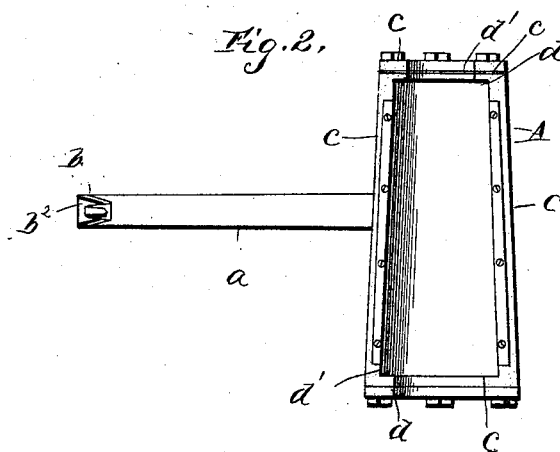
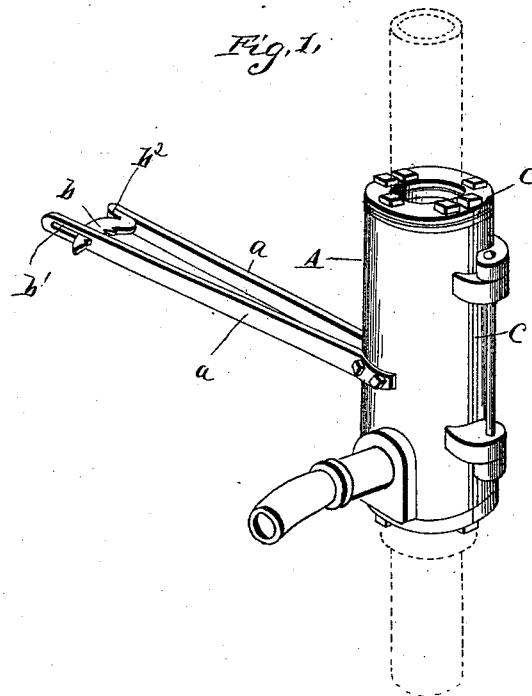
(No Model.)

J. W. FELT.

OIL SAVING APPARATUS FOR PETROLEUM WELLS.

No. 418,509.

Patented Dec. 31, 1889.



WITNESSES

Chas. Taylor,
Phil. Masi.

INVENTOR

Joseph W. Felt
by E. W. Anderson
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UNITED STATES PATENT OFFICE.

JOSEPH W. FELT, OF ALLEGANY, NEW YORK.

OIL-SAVING APPARATUS FOR PETROLEUM-WELLS.

SPECIFICATION forming part of Letters Patent No. 418,509, dated December 31, 1889.

Application filed September 16, 1889. Serial No. 324,021. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. FELT, a citizen of the United States, and a resident of Allegany, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Oil-Saving Apparatus for Petroleum-Wells; and I do 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view, and Fig. 2 is a vertical central section.

This invention relates to certain improvements in devices to prevent waste of oil in cleaning oil-well pipes; and it consists of the construction and novel combination of parts, as will fully appear from the following description and accompanying illustration.

In accordance with my invention I employ a slightly downward-flared two-part or sectional cylinder A, the sections of which are hinged together, as shown, and are provided with clamp-handles *a a*, which stand a short distance apart. One of these handles has at its outer end a lateral spring-metal ratchet-bar *b*, while the outer handle has near its outer end an aperture or catch-opening *b'*, through which the ratchet-bar is adapted to extend and engage one of its walls or edges when the sections of the cylinder are brought together, thus clamping or holding the cylinder-sections in clamped position. The ratchet-bar *b* is curved or looped, as at *b²*, at its point of connection with its handle, causing it to stand inward from the outer end of the handle, to permit the engagement of its free end with the opposite handle at a point inward from the outer end thereof. Upon the ends of the cylinder-sections, as also at their longitudinal edges, are applied strips of packing *c c*, the strips along said edges being

screwed or bolted in place, while the strips upon the end portions are held in place between inwardly-projecting flanges *d* upon the ends of the cylinder-sections and half-rings *d'*, the bolts securing the latter to said flanges, passing through and securing the packing-strips.

In one section, near its lower end, is a nozzle-opening *e*, to which is connected a hose or pipe (not shown) to pass off the contents of the cylinder to the required point.

In removing the well-pipe it is taken apart in sections, and, as heretofore has been the case, the oil from the disconnected section was permitted to run to waste. Instead, however, of allowing this waste, I apply before disconnecting or disjoining each pipe-section my device to the lower end of the section and coupling, and thus secure the surplus oil as it leaves the latter, conducting it to a suitable receptacle or vessel. In this manner a saving of much of what would otherwise be wasted oil is effected.

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

The two-part or sectional cylinder having its sections hinged together and provided with handles, one having a ratchet-bar engaging an aperture in the other handle, said cylinder-sections having strips of packing applied along its longitudinal edges and at its ends, and split rings securing through their fastening-bolts the end strips of packing in place, said cylinder having a discharge-opening in its lower end, and means applied to said opening for conveying the contents of the cylinder to a receptacle, substantially as specified.

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

JOSEPH W. FELT.

Witnesses:

HOLLÉ W. MOORE,
WM. DECHOLD.