No. 786,838. PATENTED APR. 11, 1905.

C. C. POOLE.

CASING HEAD.

APPLICATION FILED JUNE 22, 1904.

Fig. 1

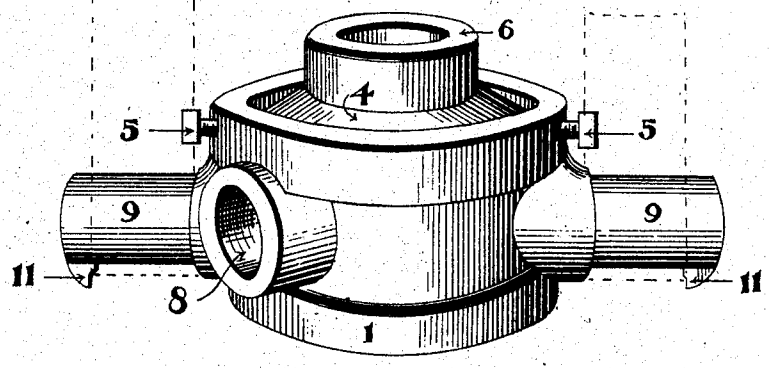


Fig. 2

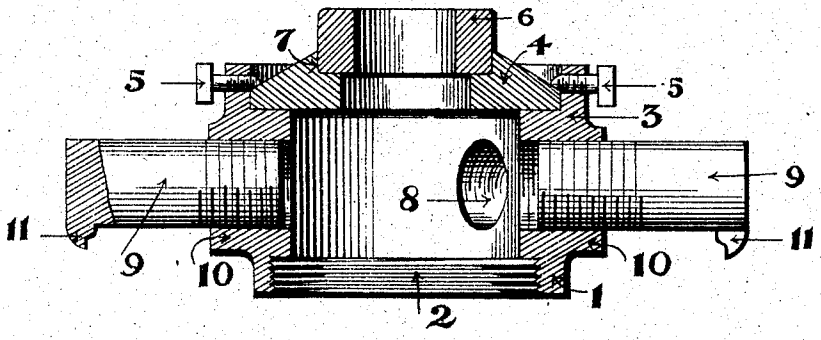
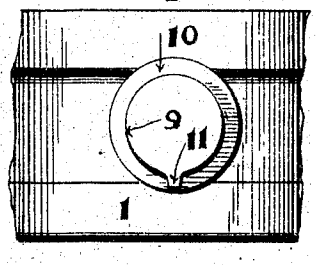


Fig. 3



WITNESSES:

T. Glen Carpenter.

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Clarence C. Poole INVENTOR

BY

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UNITED STATES PATENT OFFICE.

CLARENCE C. POOLE, OF FINDLAY, OHIO, ASSIGNOR TO WILLIAM L DAVID, OF FINDLAY, OHIO.

CASING-HEAD.

SPECIFICATION forming part of Letters Patent No. 786,838, dated April 11, 1905.

Application filed June 22, 1904. Serial No. 213,736.

To all whom it may concern:

Be it known that I, CLARENCE C. POOLE, of Findlay, in the county of Hancock and State of Ohio, have invented new and useful Improvements in Casing-Heads, of which the following is a specification.

My invention relates to certain new and useful improvements in oil-well casing-heads, and has for its object to produce a casing-head having oppositely-disposed projecting arms to which the legs of a pumping-jack may be clamped.

A further object of this invention is to provide such projecting arms with depending lugs at their outer extremities to prevent the legs of the pumping-jack becoming accidentally disengaged therefrom.

With these and other objects in view my invention consists in the novel details of construction and combination of parts to be fully described in the following specification and clearly set forth in the claims.

Referring to the accompanying drawings, in which like characters of reference indicate similar parts throughout the several views, Figure 1 is a perspective view of my improved casing-head, showing in dotted lines the position to be occupied by the legs of the pumping-jack. Fig. 2 is a central sectional view of a modified form of casing-head in which the outwardly-projecting arms are made separate from the casing-head proper and are threaded in apertures thereof; and Fig. 3 is an end elevation of one of the arms, showing a fragment of the casing-head shell.

In the drawings, 1 represents a casing-head shell provided with a threaded mouth 2 to be connected to the top section of the casing and an annular rabbet 3 about its upper edge forming a cover-seat.

4 is a covering adapted to fit snugly in the seat 3 and provided with an inclined upper face to be engaged by the ends of set-screws 5, threaded in the shell 1 to keep the cover-ring in position and tighten its engagement with the shell. A sleeve 6 of such bore as to closely fit over the top section of the well-tubing and prevent the collar thereon passing through is seated in the annular rabbet 7 in the upper edge of the cover-ring 4. One or more threaded outlets 8 are formed in the shell 1 to deliver the gas to the lead-line which screws therein.

Projecting from the shell 1, as shown in Fig. 1, are two oppositely-disposed arms 9 of circular cross-section and uniting with the shell by a shoulder 10. Depending lugs 11 are formed on the extreme outer ends of arms 9 and are provided with curved outer surfaces to permit of the pumping-jack legs being readily placed on the arms 9 and clasped thereto, but also having straight inner edges to prevent said legs slipping off by accident. When thus secured, the pumping-jack is given a rigid connection with the casing, and the legs thereof being clamped on the arms 9 between the shoulders 10 and the lugs 11 are locked against displacement.

In some cases it may be found desirable to form the arms 9 separate from the shell, and this may be done as shown in Fig. 2, where the arms 9 are threaded in the shell 1, and the shoulders 10 form sockets therefor.

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

1. In a casing-head, a shell, oppositely-disposed arms projecting therefrom, and depending lugs on the outer ends of the arms, substantially as described.

2. In a casing-head, a shell, oppositely-disposed arms circular in cross-section projecting therefrom, and depending lugs on the extreme outer ends of the arms, said lugs having curved outer surfaces and straight inner surfaces, substantially as described.

3. In a casing-head, a shell, arms projecting therefrom, and depending lugs on the arms.

4. In a casing-head, a shell, oppositely-disposed arms projecting therefrom and threaded thereto, and depending lugs on the outer ends of the arms, substantially as described.

5. In a casing, a shell, a cover therefor, means for removably securing the cover, arms projecting from the shell, and lugs on the arms.

6. In a casing, a shell, a seat formed therein, a cover adapted to rest in the seat, means for securing the cover, arms projecting from the shell, and lugs on the arms.

7. In a casing, a shell, a cover therefor, means carried by the shell for securing the cover, arms projecting from the shell, and lugs on the arms.

8. In a casing, a shell, a cover therefor, set-screws carried by the shell for securing the cover, arms projecting from the shell, and lugs on the arms.

9. In a casing a shell, arms projecting therefrom, and lugs on the arms, said lugs having curved edges.

10. In a casing, a shell, arms projecting therefrom, and lugs on the arms, said lugs having curved outer edges.

11. In a casing a shell, arms projecting therefrom, and lugs on the arms, each of said lugs having one edge curved and its opposite edge straight.

12. In a casing, a shell, arms projecting therefrom, lugs on the arms, said lugs having curved outer edges and straight inner edges.

In testimony whereof I have signed this specification, in the presence of two witnesses, whose names are subscribed hereto, on the 23d day of May, A. D. 1904.

CLARENCE C. POOLE.

Witnesses:

T. GLEN CARPENTER,

GEO. H. PHELPS.