No. 762,565. PATENTED JUNE 14, 1904.

F. E. WARNER.

OILER.

APPLICATION FILED NOV. 28, 1903.

NO MODEL.

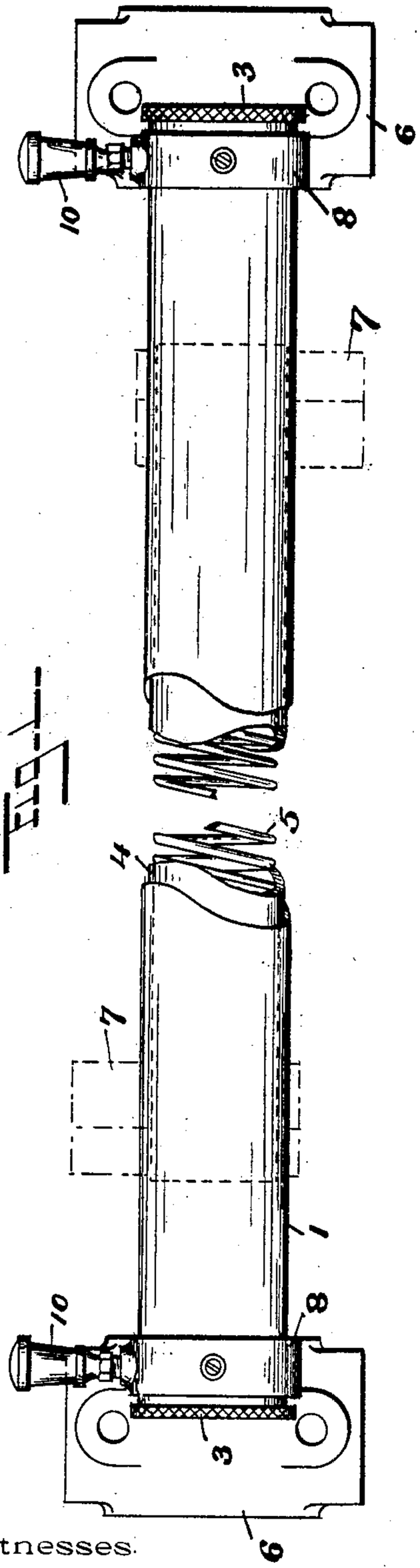

FIG. 1.

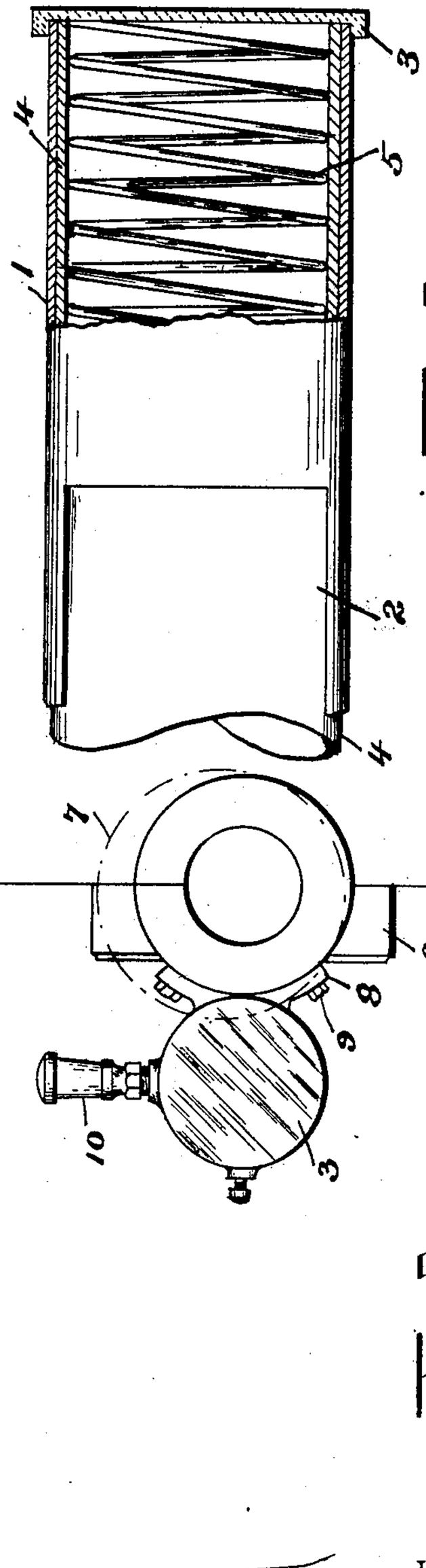

FIG. 2.

Witnesses.

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No. 762,565. Patented June 14, 1904.

UNITED STATES PATENT OFFICE.

FREDERICK E. WARNER, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE WATERBURY MACHINE COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION OF CONNECTICUT.

OILER.

SPECIFICATION forming part of Letters Patent No. 762,565, dated June 14, 1904.

Application filed November 28, 1903. Serial No. 183,016. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK E. WARNER, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Oilers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in oilers, referring more especially to means for oiling rotary cams; and it is the object of my invention, among other things, to construct a simple and economical device that can be readily secured, preferably, to a power-press and which will automatically oil the rotary cams thereon, with means for furnishing a continuous supply of oil.

To these and other ends my invention consists in the oiler, having certain details of construction and combination of parts, as will be hereinafter described, and more particularly pointed out in the claims.

Referring to the drawings, in which like numerals of reference designate like parts in the several figures, Figure 1 is a front elevation of my improved oiler, broken away at the middle to show its interior parts. Fig. 2 is an end elevation thereof, and Fig. 3 is an enlarged fragmentary sectional elevation of one end thereof.

In carrying out my invention I provide a hollow cylinder 1, which is provided with an elongated slot 2 and is closed at either end by a knurled cap 3. Within the cylinder is a circular wick 4, preferably made of felt and which may be held in place by the spring 5. I have illustrated in the drawings a coil-spring; but a flat circular spring will operate equally as well and in some cases is preferable, and if a very heavy felt is used for the wick it is not necessary to have a spring, as the wick will be sufficiently heavy to keep it in its normal position.

In the drawings the device is shown as being attached to the ordinary power-press, the numeral 6 designating the caps to the crank-shaft boxes upon either side of the uprights thereof. Upon the crank-shaft are the cams, which are illustrated in the drawings by broken lines and designated by the numeral 7.

Any desired means may be used to attach the mechanism to the machine; but as herein shown the cylinder is secured by the brackets 8 upon either end thereof, which are fixed to the caps 6 by the bolts 9.

In securing the oiler to the machine it is simply necessary to arrange it in relation to the cams so that said cams will be brought into contact with that portion of the wick 4 that is exposed through the slot 2.

The interior of the cylinder 1 is filled with oil, which enters through the oil-caps 10, that are of any preferred form or construction, and is absorbed by the wick. The rubbing of the cams against the exposed portion of the wick removes just sufficient oil to keep the cam lubricated and without spilling or overflow.

There are many minor changes and alterations that can be made within my invention aside from those herein suggested, and I would therefore have it understood that I do not limit myself to the exact construction herein shown and described, but claim all that falls fairly within the spirit and scope of my invention.

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

1. In an oiler, the combination with a hollow cylinder closed at each end, and having an elongated slot through the wall thereof in the direction of the length of said cylinder; of a wick within said cylinder and exposed through said slot.

2. In an oiler of the character described, the combination with a hollow cylinder closed at each end, and having an elongated slot

through the wall thereof; of a wick within said cylinder exposed through said slot; and a spring within said wick for holding the same against the interior surface of the wall of said cylinder.

3. In an oiler of the character described, the combination with the hollow cylinder 1 closed at each end, and having the slot 2 through the wall thereof; of the flexible wick 4 within said cylinder; and the spring 5 within said wick.

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

FREDERICK E. WARNER.

Witnesses:
GEORGE E. HALL,
ROGER S. WORKYERS.