No. 768,840. PATENTED AUG. 30, 1904.

E. W. BAIRD.

LUBRICATING APPARATUS.

APPLICATION FILED APR. 4, 1904.

NO MODEL.

FIG. 2.

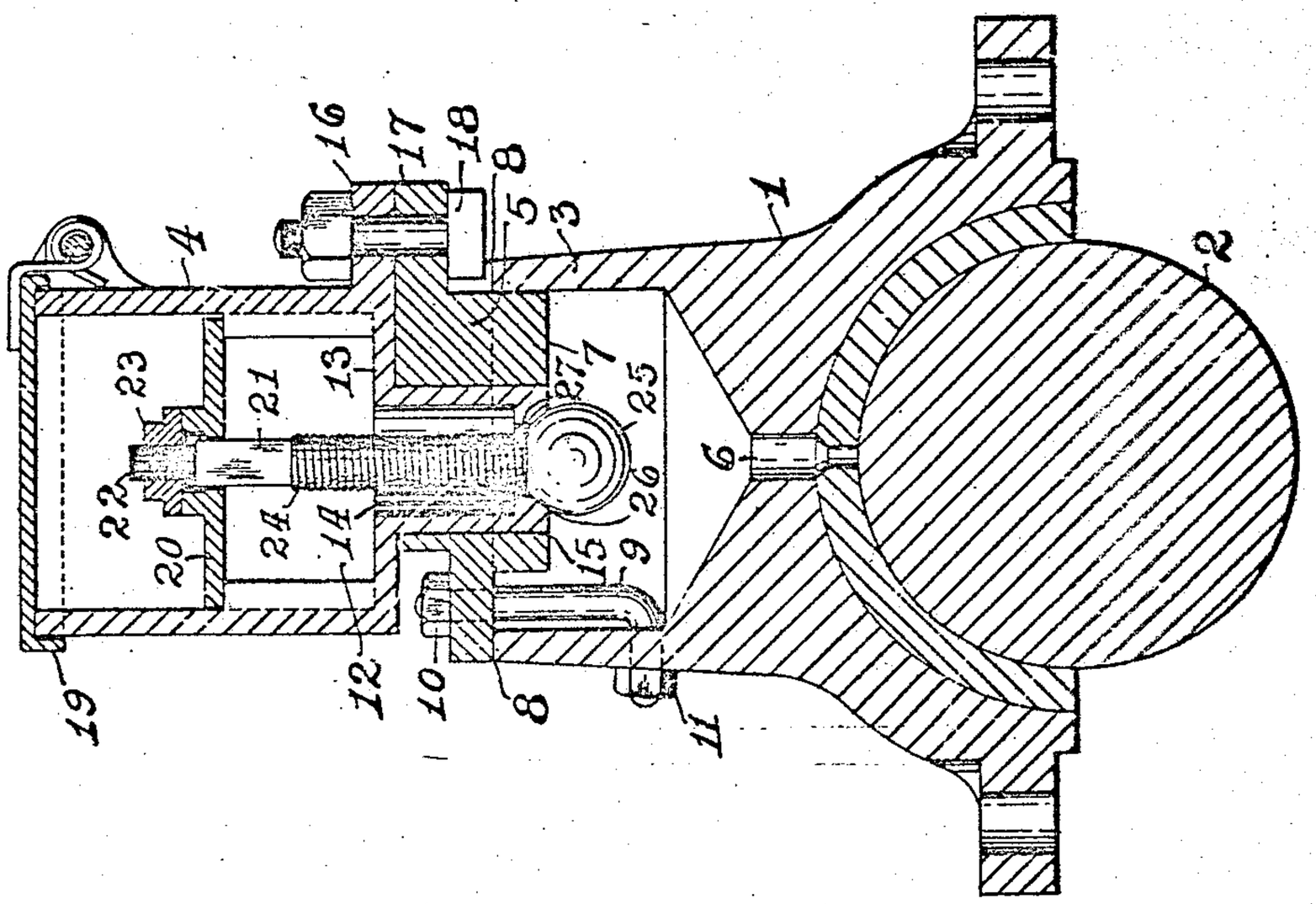
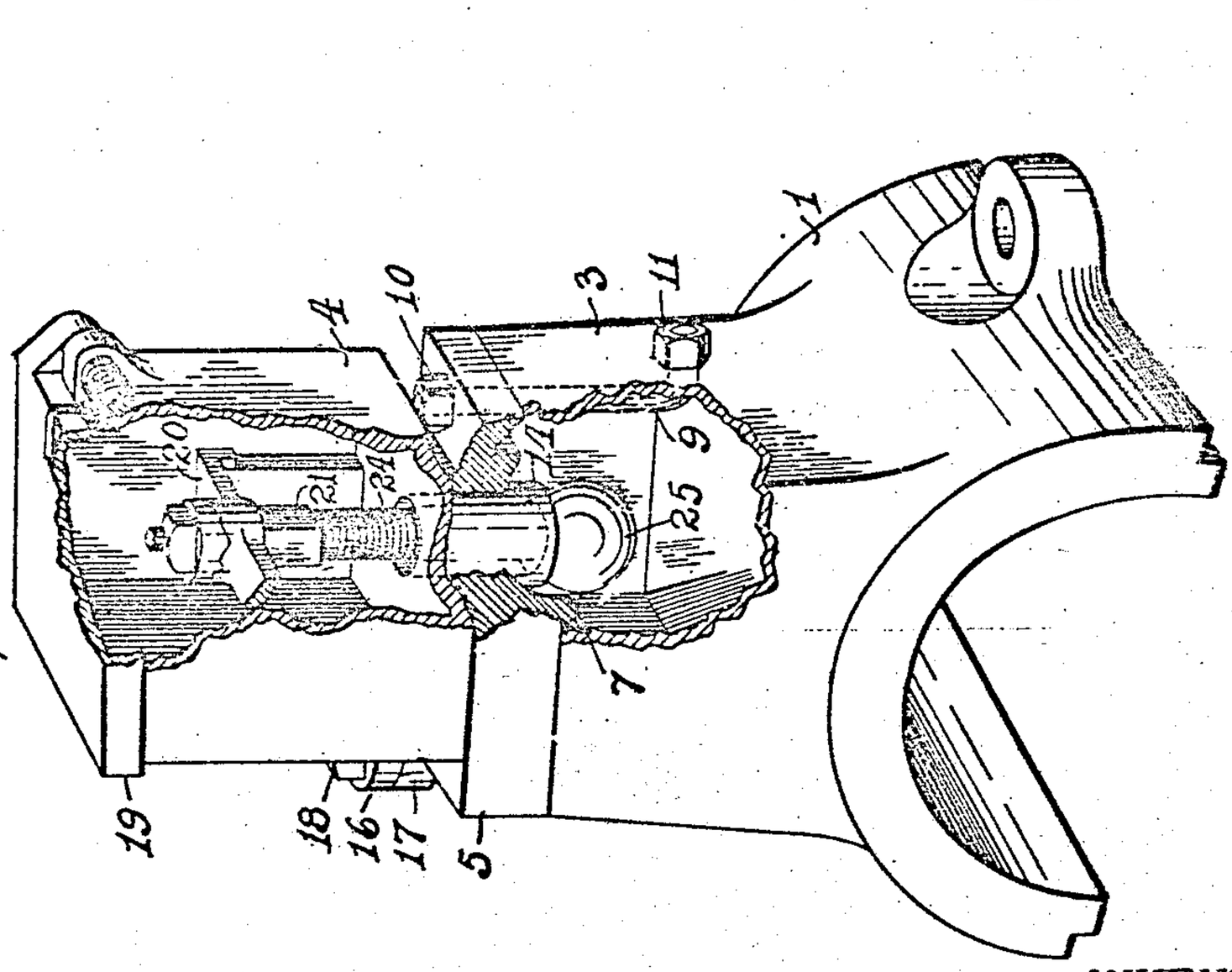


FIG. 1.



WITNESSES:
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No. 768,840. Patented August 30, 1904.

UNITED STATES PATENT OFFICE.

EDGAR W. BAIRD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO STANDARD AUTOMATIC LUBRICATOR COMPANY, A CORPORATION OF NEW JERSEY.

LUBRICATING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 768,840, dated August 30, 1904.

Application filed April 4, 1904. Serial No. 201,430. (No model.)

To all whom it may concern:

Be it known that I, EDGAR W. BAIRD, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain Improvements in Lubricating Apparatus, of which the following is a specification.

This invention relates to apparatus for automatically lubricating bearings; and it is designed, primarily, to provide improved means for connecting lubricators to journal-boxes, being adapted for application to boxes of standard type.

In the accompanying drawings, Figure 1 represents a perspective view of an embodiment of the invention, parts being broken away for the purpose of illustrating the construction; and Fig. 2 represents a vertical sectional view of the same added to a journal.

As shown in the drawings, the bearing-cap 1 for the journal 2 has a receptacle 3, to which the lubricator 4 is secured by the coupling 5, the lubricator feeding into the receptacle, which communicates with the journal through the hole 6.

The coupling has the depending portion 7 seated in and the flange 8 resting on the receptacle. The coupling and receptacle are secured together by the angle-bolts 9, which lie within and pass outwardly through receptacle and flange. The respective bolts have the nuts 10 and 11 exterior to the construction, the seat for the nuts 10 being cut down below the top of the coupling.

The lubricator-reservoir 12 has its base 13 seated on the coupling and extending over the nuts 10. A well 14, which depends from the base and communicates with the reservoir, is seated in the aperture 15 of the coupling. The lubricator is provided with a lug 16, and the coupling is provided with a lug 17, through which is passed a bolt 18 to secure them together. The reservoir, covered by the lid 19, has held therein the cross-bar 20, to which the stem 21 is adjustably connected by the engagement of its screw-threaded end 22 with a nut 23. A coiled spring 24 has its upper end connected with the stem and its lower end connected with the ball-valve 25, the spring passing through the well and holding the valve in the desired relation to its seat 26 to control the passage of the lubricant through the port 27 in the bottom of the well.

It will be seen from the foregoing description that the improvements provide a simple and inexpensive means for readily applying and securely connecting an automatic lubricator to a standard form of journal-box, the lubricant being fed from the reservoir and well through the port leading therefrom at the rate determined by the adjustment of the valve and thence through the oil-hole in the bottom of the bearing-cap to the journal.

Having described my invention, I claim—

1. In a lubricating apparatus, a journal-box, a coupling seated on said box, and a reservoir seated on said coupling, said reservoir having a well extending through said coupling, substantially as specified.

2. In a lubricating apparatus, a journal-box, a coupling fixed to said box, a reservoir fixed to said coupling, said coupling having an aperture therein through which a lubricant is fed from said reservoir to said box, and means for automatically feeding a lubricant from said reservoir through said aperture into said box, substantially as specified.

3. In a lubricator, a box, a coupling seated on said box, an angle-bolt engaging said box and coupling, and lubricating mechanism fixed to said coupling, substantially as specified.

4. In a lubricator, a coupling having an aperture therethrough, a reservoir having a depending well seated in said aperture, said well having a port therein, and a spring-supported valve controlling said port, substantially as specified.

5. In a lubricator, a coupling having an aperture therein and a lug thereon, a reservoir having a well seated in the aperture of said coupling and a lug registering with the lug of said coupling, and means for fastening said lugs together, substantially as specified.

6. In a lubricating apparatus, a box, a coupling having a depending portion seated in and a flange resting on said box, and an angle-bolt in said box engaging said box and flange, said bolt having a seat in said flange below the top of said coupling, and a lubricator fixed to said coupling, substantially as specified.

In testimony whereof I have hereunto set my hand, this 2d day of April, A. D. 1904, in the presence of the subscribing witnesses.

EDGAR W. BAIRD.

Witnesses:

THOMAS S. GATES,

UTLEY E. CRANE, Jr.