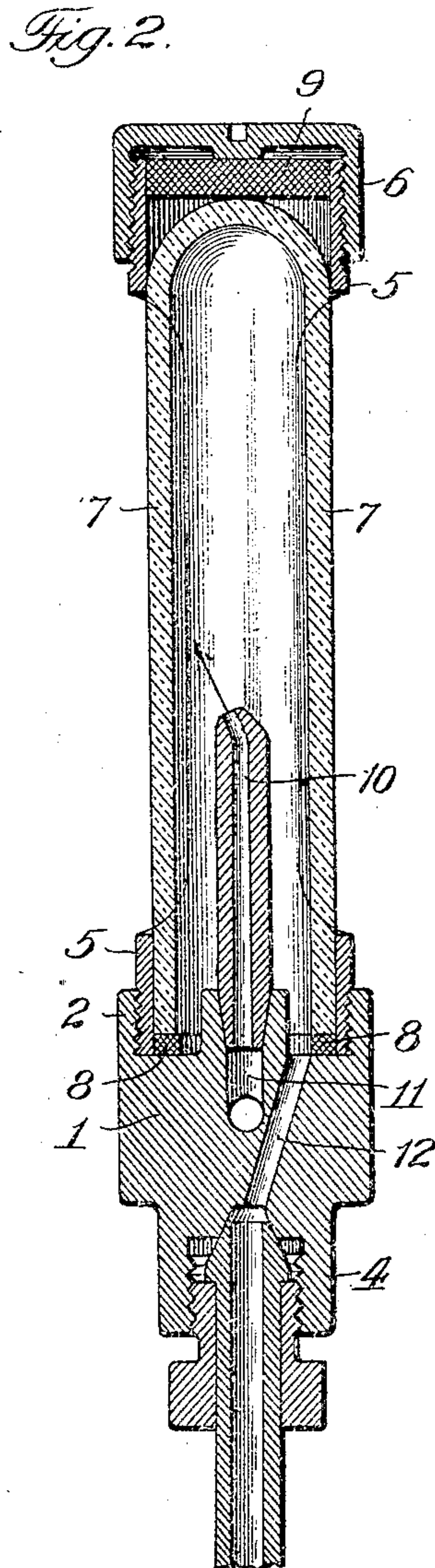
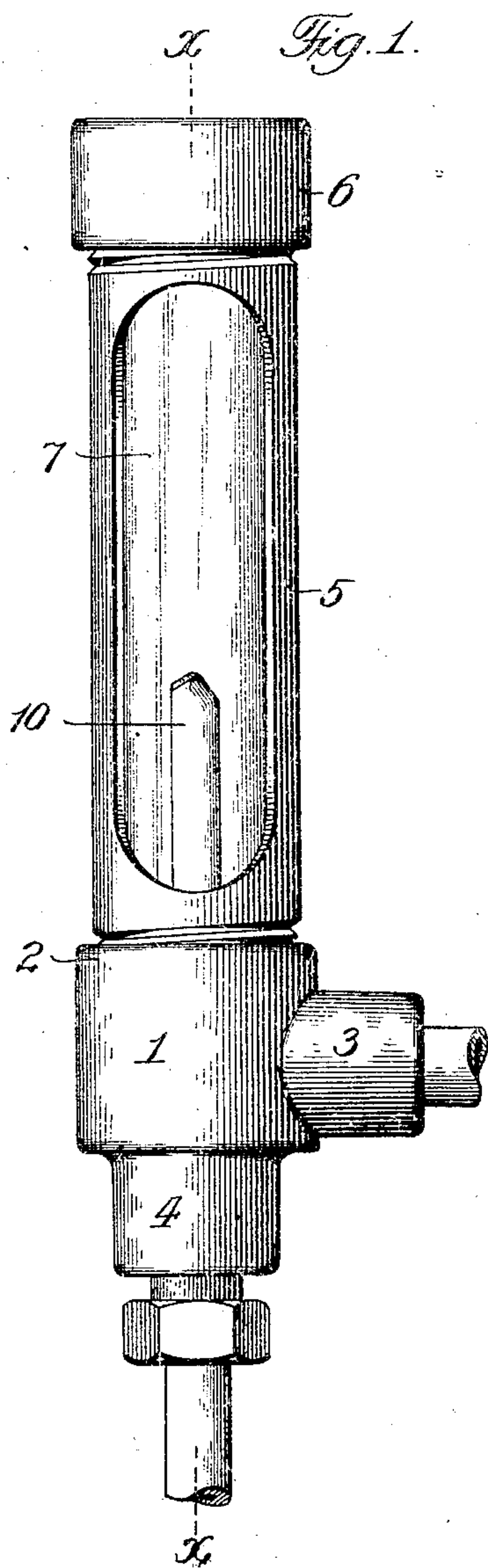


No. 862,913.

PATENTED AUG. 13, 1907.

C. C. HILL, DEC'D.
C. B. HILL, EXECUTRIX.
FOUNTAIN SIGHT FEED.
APPLICATION FILED DEC. 23, 1904.



Attest:
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UNITED STATES PATENT OFFICE.

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CHRISTIAN C. HILL, DECEASED, ASSIGNOR, BY MESNE ASSIGNMENTS, TO PRECISION
APPLIANCE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF NEW JERSEY.

FOUNTAIN SIGHT-FEED.

No. 862,913.

Specification of Letters Patent.

Patented Aug. 13, 1907.

Application filed December 23, 1904. Serial No. 238,045.

To all whom it may concern:

Be it known that I, CHRISTIAN C. HILL, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Fountain Sight-Feeds, of which the following is a specification.

This invention relates to fountain sight feeds for force feed lubricators and like apparatus, and has for its object to provide a simple and efficient structural formation and combination of parts, whereby a distinct view or indication is afforded of the minute quantities of fluid which are fed at frequent intervals through the device, all as will hereinafter more fully appear and be more particularly pointed out in the claims.

In the accompanying drawings:—Figure 1, is a front elevation of a fountain sight feed embodying the present invention. Fig. 2, is a vertical section of the same, at line *x—x*, Fig. 1.

Similar numerals of reference indicate like parts in both views.

Referring to the drawings:—1, is the trunk member of the sight feed provided with necks 2, 3, and 4, for the attachment of the other portions of the appliance.

5, is a cylindrical open sided tube or skeleton casing screwing at its lower end into the screw-threaded bore of the neck 2 of the trunk member aforesaid. 6 is a cap screwing upon the upper end of said tube or casing and adapted to confine the hereinafter described view tube in place.

7 is the transparent view tube, which in the present improvement is closed at its upper end, and open at its lower end.

8, is an annular elastic washer interposed between the margin of the open lower end of the view tube and the adjacent top surface of the trunk member, and adapted to insure a tight joint between the respective parts.

9, is an elastic washer interposed between the closed upper end of the view tube and the confining cap aforesaid, and adapted to exert a yielding downward stress upon the view tube and maintain the same in proper position.

10, is a jet tube attached to the upper end of the trunk member, and extending up into the chamber of the view tube. In the preferred form of the present invention the upper end of the bore or passage of such jet tube is deflected to one side, so that the discharge therefrom will be against the inner wall of the view tube, and it has been found from extended practical experiment that as so discharged a very distinct appearance is had of the fluid as it strikes and spreads upon the surface of the view tube.

11 is the inlet passage and 12 the outlet passage formed in the trunk member, and extending out through the necks 3 and 4 for connection with the respective inlet and outlet pipes of the appliance, and it is within the scope of this part of the present invention to modify the direction and arrangement of such passages as may be required or indicated by a particular use of the appliances.

The present appliance is intended for use in connection with that class of force feed lubricators in which one or more single acting pump plungers are employed to force the lubricant at stated intervals to one or more points of use.

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

1. A fountain sight feed, comprising in combination, a trunk member, a cylindrical open side casing secured thereto, a cap screwing upon the upper end of said casing, a transparent view tube arranged in said casing and having a closed upper end and an open lower end, and a jet tube arranged inside of said view tube and attached to the trunk member, the said trunk member having an inlet passage connecting with said jet tube and an outlet passage connecting with the lower end of the chamber, substantially as set forth.

2. A fountain sight feed, comprising in combination, a trunk member, an open side casing secured thereto, a transparent view tube arranged in said casing and having a closed upper end, an open lower end, and a vertical jet tube the bore of which at its upper end is laterally deflected, said jet tube being arranged inside said view tube and attached to the trunk member and adapted to jet the lubricant against the vertical wall of the view tube, the said trunk member having an inlet passage connecting with said jet tube and an outlet passage connecting with the lower end of the chamber of the view tube, substantially as set forth.

3. A fountain sight feed, comprising in combination, a trunk member, an open side casing secured thereto, a transparent view tube arranged in said casing and having a closed upper end and an open lower end, and a vertical jet tube the bore of which at its upper end is laterally deflected, said jet tube being arranged inside said view tube and adapted to jet the lubricant against the vertical wall of the view tube and attached to the trunk member, the said trunk member having an inlet passage connecting with said jet tube and an outlet passage connecting with the lower end of the chamber of the view tube, substantially as set forth.

4. A fountain sight feed, comprising in combination, a trunk member, a cylindrical open side casing screwing into the same, a cap screwing upon the upper end of said casing, a transparent view tube arranged in said casing and having a closed upper end and an open lower end, elastic washers arranged between the upper and lower ends of the view tube and the cap and trunk member aforesaid, and a jet tube arranged inside of said view tube and attached to the trunk member, the said trunk member having an inlet passage connecting with said jet tube and an outlet passage connecting with the lower end of the chamber of the view tube, substantially as set forth.

5. A fountain sight feed, comprising in combination, a trunk member, a cylindrical open side casing screwing into

the same, a cap screwing upon the upper end of said casing, a transparent view tube arranged in said casing and having a closed upper end and an open lower end, elastic washers arranged between the upper and lower ends of the view tube and the cap and trunk member aforesaid, and a vertical jet tube the bore of which at its upper end is laterally deflected, said jet tube being arranged inside of said view tube and adapted to jet the lubricant against the vertical wall of the view tube and attached to the trunk member, 10 the said trunk member having an inlet passage connecting

with said jet tube and an outlet passage connecting with the lower end of the chamber of the view tube, substantially as set forth.

Signed at Chicago, Illinois, this 14th day of December, 1904.

CHRISTIAN C. HILL

Witnesses:

ROBERT BURNS,
M. H. HOLMES.