

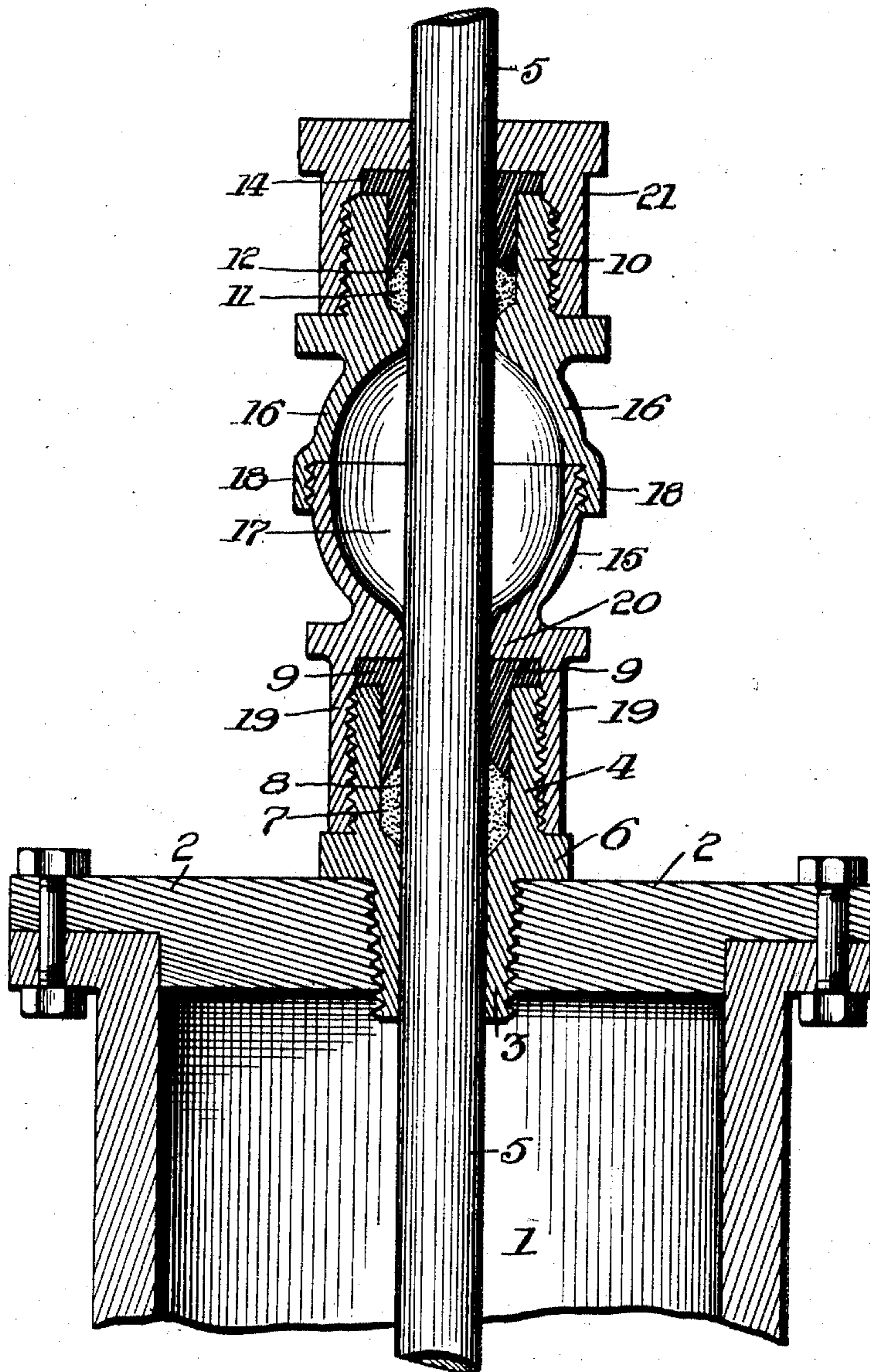
No. 776,900.

PATENTED DEC. 6, 1904.

S. B. FORSE.
LUBRICATOR.

APPLICATION FILED APR. 13, 1904.

NO MODEL.



Witnesses:
J. H. Butler
E. E. Potter

Inventor
S. B. Forse,
A. C. Everett & Co.,
By Attorneys.

UNITED STATES PATENT OFFICE.

SAMUEL B. FORSE, OF PITTSBURG, PENNSYLVANIA.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 776,900, dated December 6, 1904.

Application filed April 13, 1904. Serial No. 202,937. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL B. FORSE, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Lubricators, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to certain new and useful improvements in lubricating devices, and relates more particularly to a lubricator adapted for use in connection with vertical rods or shafts, the invention being particularly designed for employment on elevator-
15 rods.

The object of the invention is to provide a device of this character with a reservoir for containing a lubricant whether of a fluid or
20 semisolid nature with a stuffing-box and packing above and below the reservoir to insure a perfect lubrication of the rod or shaft.

Briefly described, the invention comprises a stuffing-box provided with a threaded nipple
25 adapted to be engaged in the end of the cylinder into which the rod or shaft extends. This stuffing-box carries one half of the bulb forming the shell or casing of the lubricant-receptacle, the other half of said bulb or shell
30 having a threaded connection with the first-mentioned one-half and being carried by the upper stuffing-box.

All of the above construction will be hereinafter more fully described, and specifically
35 pointed out in the claims, and in describing the invention in detail reference is had to the accompanying drawing, forming a part of this application and illustrating an embodiment of my invention and which shows a central
40 vertical sectional view of a lubricator constructed in accordance with my invention, the same being shown in position on the end of a cylinder, the latter being partly broken away.

45 In the accompanying drawing, 1 indicates the cylinder, in the head 2 of which is engaged the threaded nipple 3, carried by the member 4 of the lower stuffing-box, through which the rod or shaft 5 extends. This member 4 has a shoulder 6 to rest against the cyl-
50

inder-head 2, and in the chamber 7 of the member 4 is placed a suitable packing 8, to be engaged and compressed by the gland 9. An upper stuffing-box is also provided and comprises a member 10, through which the rod
55 or shaft 5 passes and in the chamber 11 of which is placed a packing 12, to be engaged by the gland 14. A lubricant receptacle or chamber 17 is provided, the shell or casing of which is somewhat bulb-like in form and com-
60 prises two sections or halves 15 16, the latter having an annular interiorly-threaded flange 18 to engage with the exterior threads on the section or half 15. The section or half of this casing or shell is carried by the outside
65 member 19 of the lower stuffing-box, which is threaded onto the member 4 of the stuffing-box, the interior shoulder 20 thereof engaging the gland 9. The section or half 16 of the shell or casing is carried by the member
70 10 of the upper stuffing-box, onto which section of the stuffing-box is threaded an outer member 21, which engages the gland 14. It will be observed that by this construction the upper half of the device may be readily un-
75 screwed from the lower half and the lubricant, either of a fluid or semisolid nature, may be placed in the chamber 17 and the upper half of the device then placed in position.

It will be observed that the lubricant may
80 be placed in the chamber without difficulty during the operation of the rod or shaft 5 and that the packing 8 and 12, which may be formed of waste or any other desired packing, being on each side of the lubricant cham-
85 ber, insures a perfect lubrication of the rod or shaft during its working.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my
90 invention.

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

1. In a lubricating device, a lubricant-re-
95 ceptacle comprising a casing embodying two members detachably connected together, and a stuffing-box above and another below and both without the lubricant-receptacle, substantially as described.
100

2. In a lubricating device, a casing forming a lubricant-receptacle and made in halves or sections threaded together, a stuffing-box above and a stuffing-box below the said lubricant-receptacle each containing a gland, and
5 packing in said stuffing-boxes, substantially as described.

3. In a lubricator, a lubricant-receptacle comprising a casing embodying separable
10 members, and a stuffing-box above and another below said lubricant-receptacle, each

stuffing-box containing a removable gland and the lower end of the lubricant-receptacle covering and inclosing the lower stuffing-box, substantially as described. ¹⁵

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

SAMUEL B. FORSE.

Witnesses:

A. M. WILSON,
E. E. POTTER.