

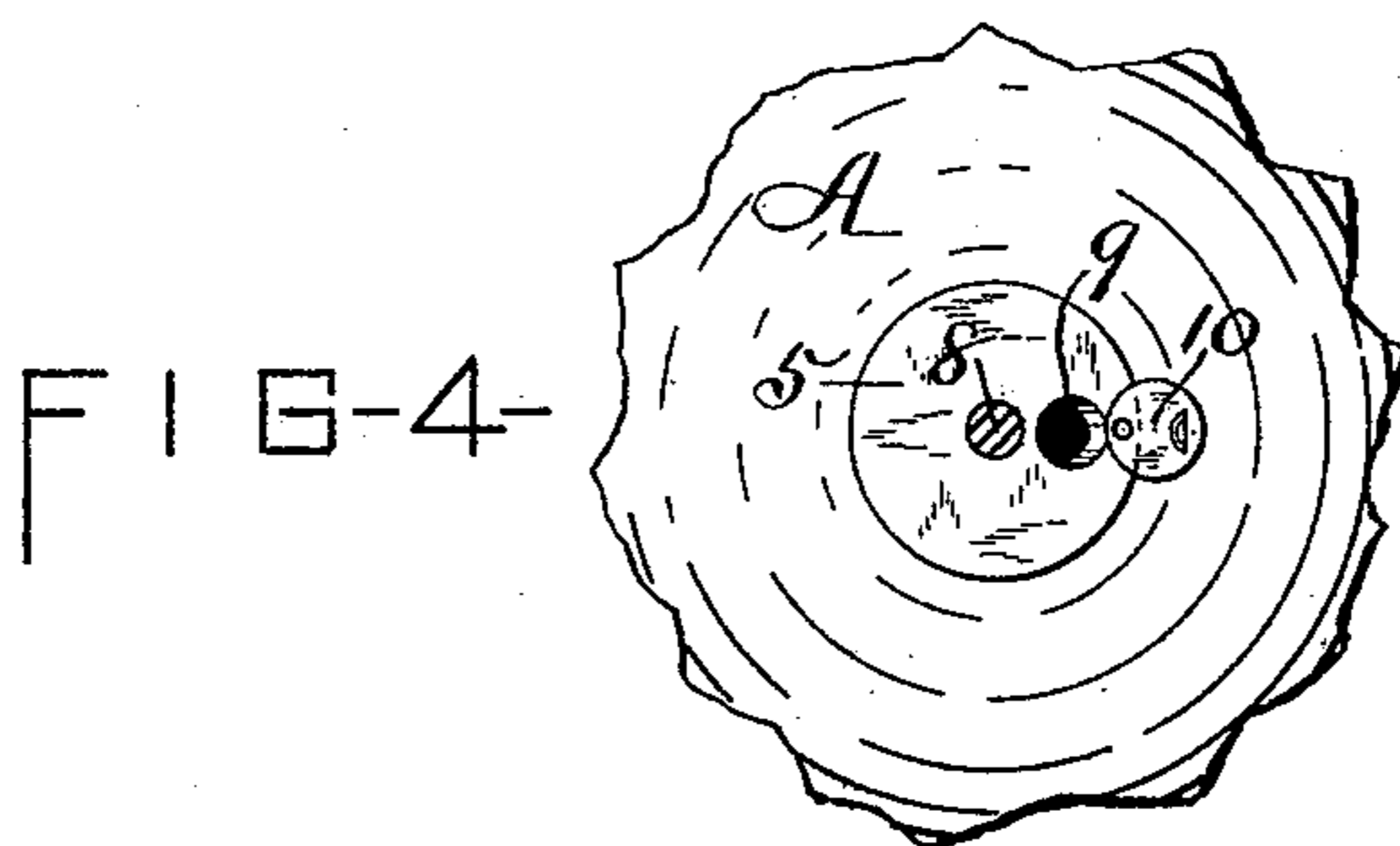
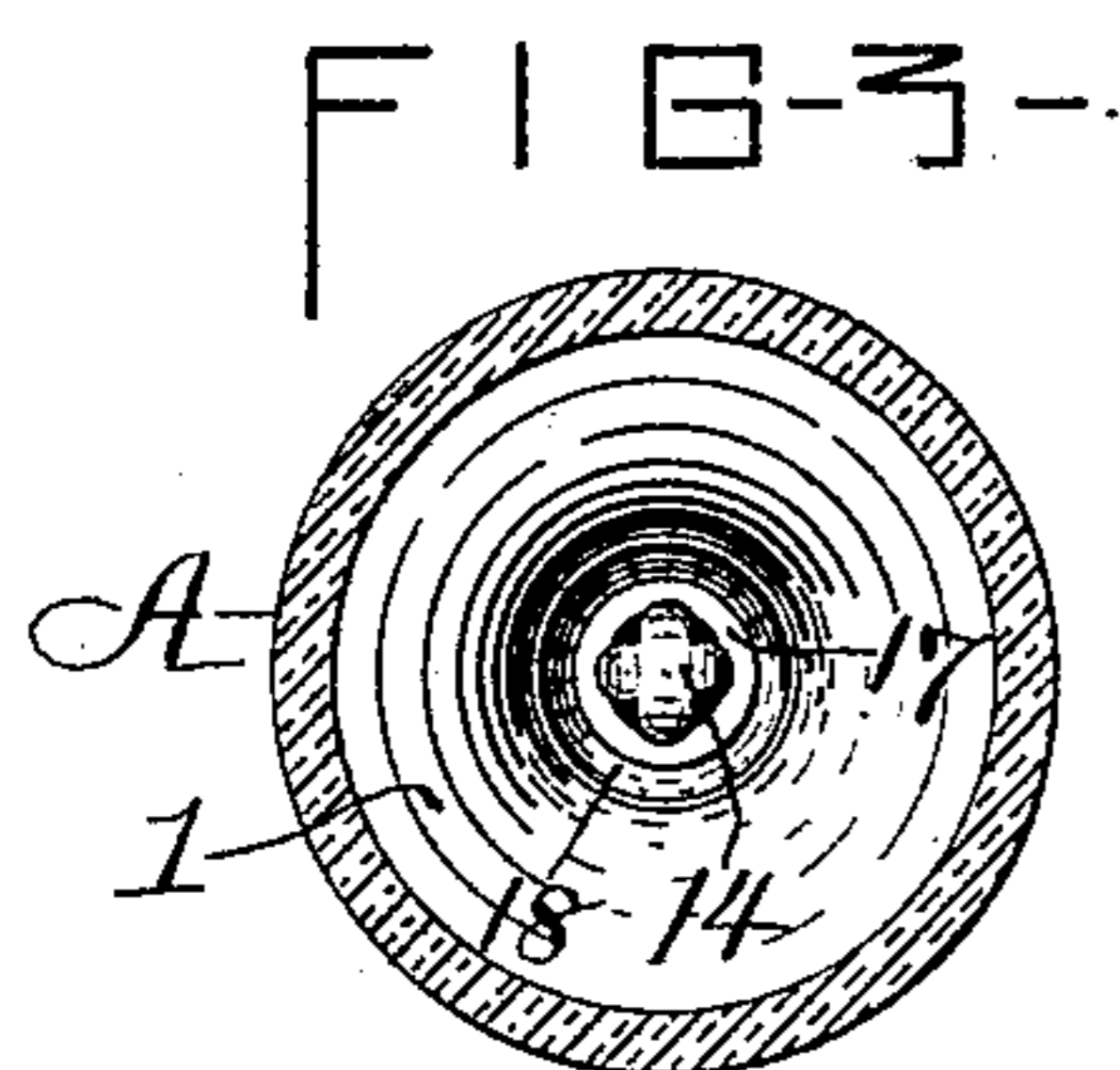
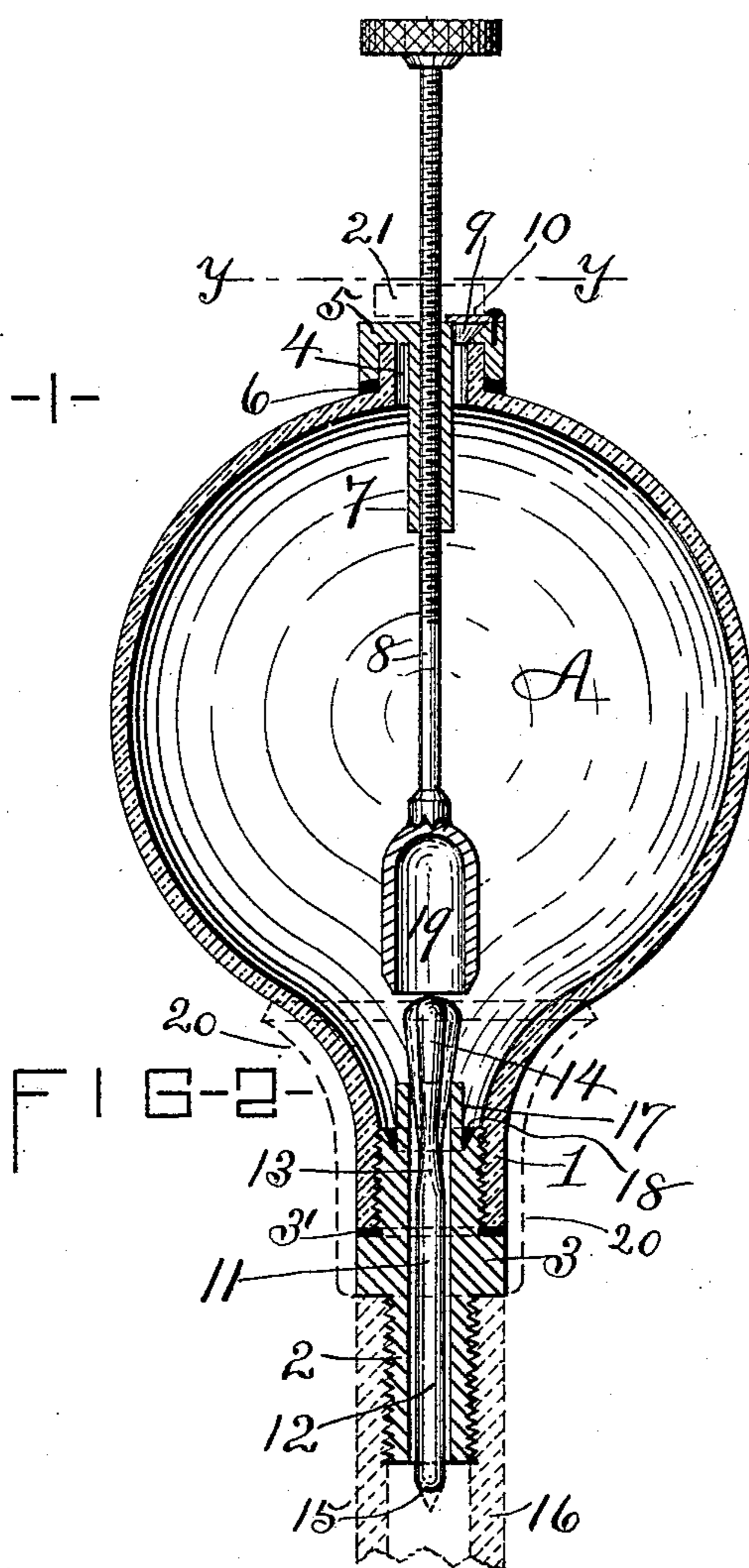
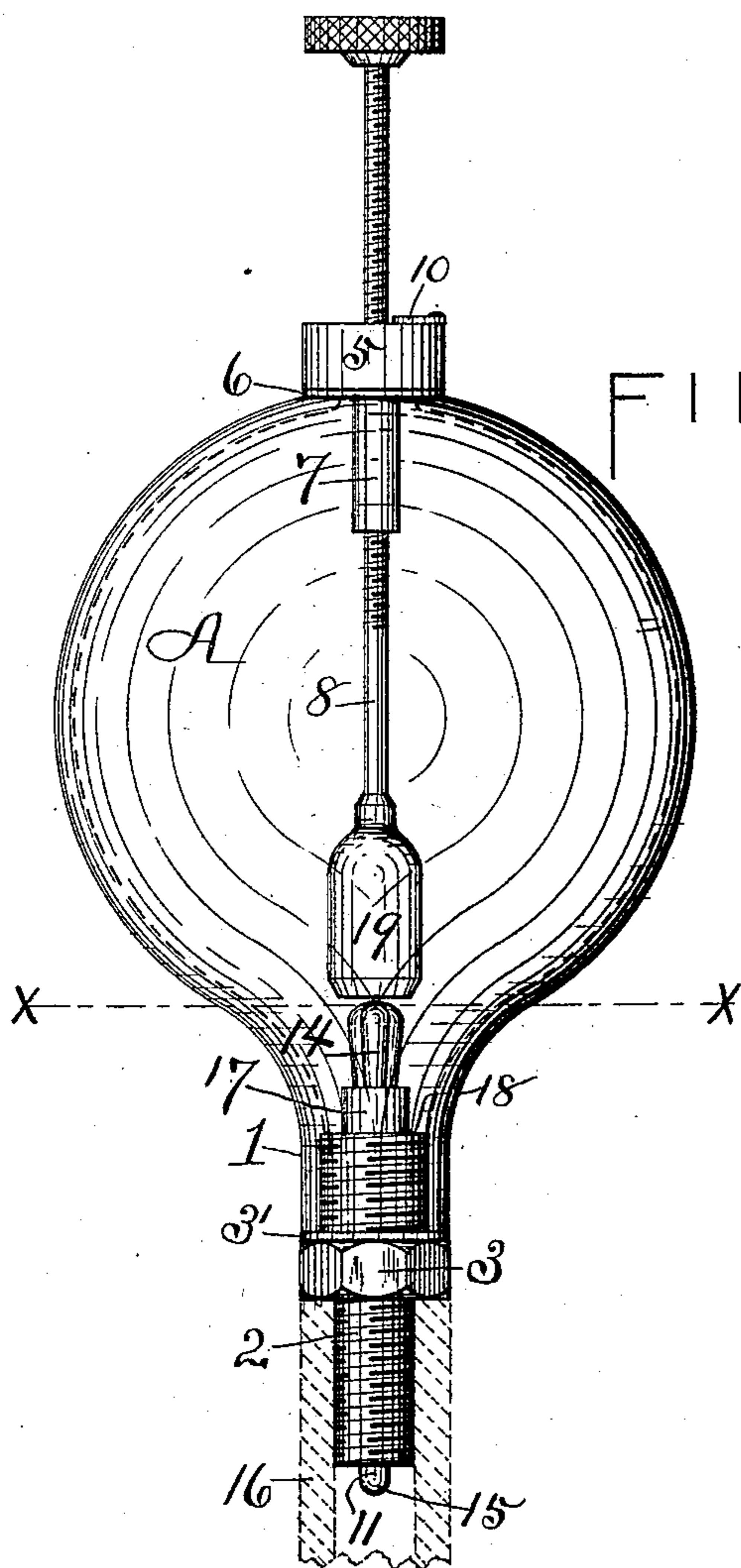
(No Model.)

E. McCORMICK.

GLOBE OILER.

No. 390,132.

Patented Sept. 25, 1888.



Witnesses—

Parke W. Wicks
Geo B. Bentley

Inventor—

Edward McCormick
By *his* Attorney,
Wm C. Raymond

UNITED STATES PATENT OFFICE.

EDWARD McCORMICK, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE HALF
TO JOHN D. MALONEY, OF SAME PLACE.

GLOBE-OILER.

SPECIFICATION forming part of Letters Patent No. 390,132, dated September 25, 1888.

Application filed March 27, 1888. Serial No. 262,676. (No model.)

To all whom it may concern:

Be it known that I, EDWARD McCORMICK, of Syracuse, county of Onondaga, in the State of New York, a citizen of the United States, have
5 invented certain new and useful Improvements in Globe-Oilers, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation; Fig. 2, a vertical section; Fig. 3, a transverse section taken on line *xx*, Fig. 1; and Fig. 4, a detail taken on line *yy*, Fig. 2.

Similar letters and figures of reference indicate corresponding parts throughout the several views.

This invention relates to that class of oilers known as "globe oilers," which consist of a transparent globe to hold the oil mounted upon a journal-box and provided with the devices and appliances for regulating the automatic flow of the oil to the bearing or surface to be lubricated thereby. My object is to produce such an oiler of improved construction and increased utility.

My invention consists in the several novel features of construction and operation hereinafter described, and which are specifically set forth in the claims hereunto annexed. It is constructed as follows:

30 A is the transparent globe provided at the bottom with a tubular neck, 1, which is screw-threaded to receive a tube, 2, which is provided with a nut-like circumferential rib or projection, 3, by which it is screwed into the neck 1, and 3' is a washer interposed between the neck 1 and projection 3.

The top of the globe is provided with a flanged opening, 4, covered by a cap, 5, screwed or otherwise secured thereon, and having a washer, 6, beneath the cap to make a joint; and 40 7 is a tube internally screw-threaded, formed integral with the cap, or secured thereto in any ordinary manner, and extending downward into the globe A. Through this cap and
45 tube I screw the stem 8 of the oil-flow regulator, secured to the lower end thereof. Through this cap I make also another perforation, 9, which is provided with a swinging cover, 10, and through which I fill the globe with oil
50 without disturbing other parts.

In the tube 2, I place the valve 11, consisting of a stem, 12, and neck, 13, and a fluted or corrugated head, 14, the head of the valve fitting the upper end of the tube and filling it, except as to the grooves between the flutings
55 or corrugations, through which grooves the oil trickles downward onto the contracted neck 13, thence follows the stem 12, down onto the blunt or sharpened point at the bottom of the stem, from which it drops off into the pipe 16, 60 which conducts it to the bearing to be lubricated. Upon the upper end of the tube 2, I form a collar, 17, and at the bottom thereof the seat 18, encircling the base of the collar. Upon the lower end of the stem 8, I place the
65 hollow tubular or concave regulator 19, the concavity of which is large enough to receive the head 14 of the valve, and also the collar 17, and its lower end is adapted to fill the seat 18 when screwed clear down. 70

It will be readily observed that the farther the regulator 19 is screwed down over the head the more the flow of oil is shut off, and that it is entirely stopped when the regulator is screwed clear down. 75

My object in having the internally-screw-threaded tube 7 project downward in the interior of the globe is to obtain a greater amount of bearing-surface for the screw-stem 8, thus preventing any possible lateral movement
80 thereof by reason of sudden jars or concussions to the oiler.

I can, if desired, employ a collar or guard formed integral with the part 3, or otherwise secured, and extending upward a short distance to protect the glass neck 1 from possible fracture or other injury, as represented by dotted lines at 20, Fig. 2, of the drawings; also, if deemed desirable, a lock-nut may be employed on the screw-stem 8, to afford an additional hold or lock to the stem 8, (and attached regulator,) whereby it is maintained in a possibly more positive position when set to regulate the flow of oil, as indicated by dotted lines 21 in Fig. 2. 95

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

1. The combination, in a globe-oiler, of the transparent globular oil-holder provided with 100

a flanged opening at its top and a screw-threaded neck at its bottom, and all formed integral, a cap inclosing the top-flanged opening provided with a cover for the filling-hole
5 therein, a threaded opening at the center and a tube in line therewith projecting downward therefrom and integral therewith, a threaded stem fitting through the cap and tube and provided at its lower end with a concave regulator, and a tube removably secured to the neck at
10 the bottom of the oil-holder and provided with a valve consisting of a straight stem, contracted neck, and a fluted head, all constructed and operating together substantially as described.
15 scribed.

2. The combination, in a globe-oiler, of the transparent globular oil-holder having at its perforated base a tube provided with a valve,

a collar at the upper extremity thereof and formed integral therewith, and having an annular seat or groove at its base, a valve consisting of a stem, a contracted neck, and corrugated head, and the threaded stem fitting through the upper portion of the oil-holder and having a concave regulator at its lower
25 end, said regulator being adapted to surround the valve-head and the tube-collar and fill the seat when screwed down, all constructed and operating together substantially as described.

In witness whereof I have hereunto set my hand this 25th day of January, 1888.

EDWARD McCORMICK.

In presence of—

JOHN D. MALONEY,
WM. C. RAYMOND.