

(No Model.)

H. SIMS.
LUBRICATOR.

No. 532,918.

Patented Jan. 22, 1895.

Fig. 1.

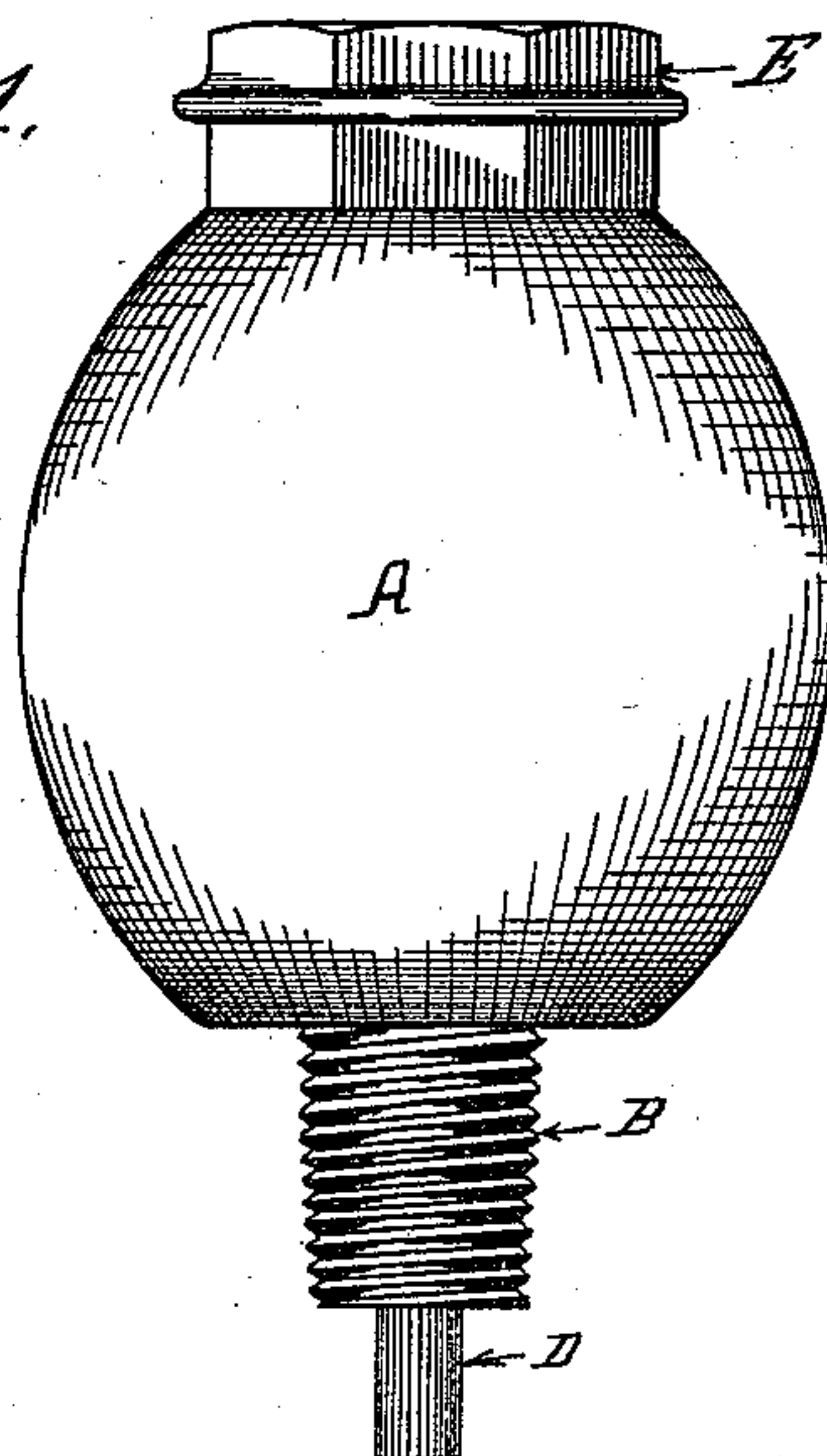


Fig. 4.

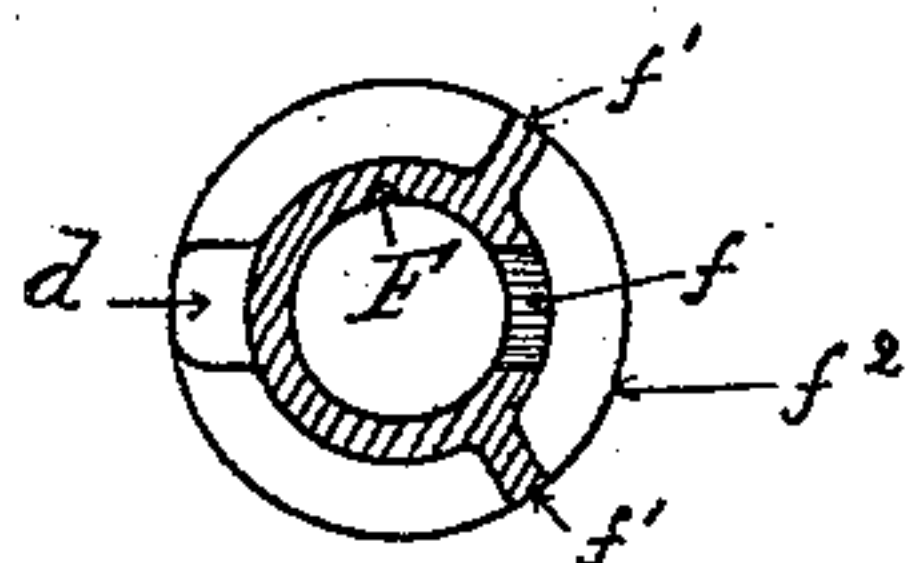


Fig. 3.

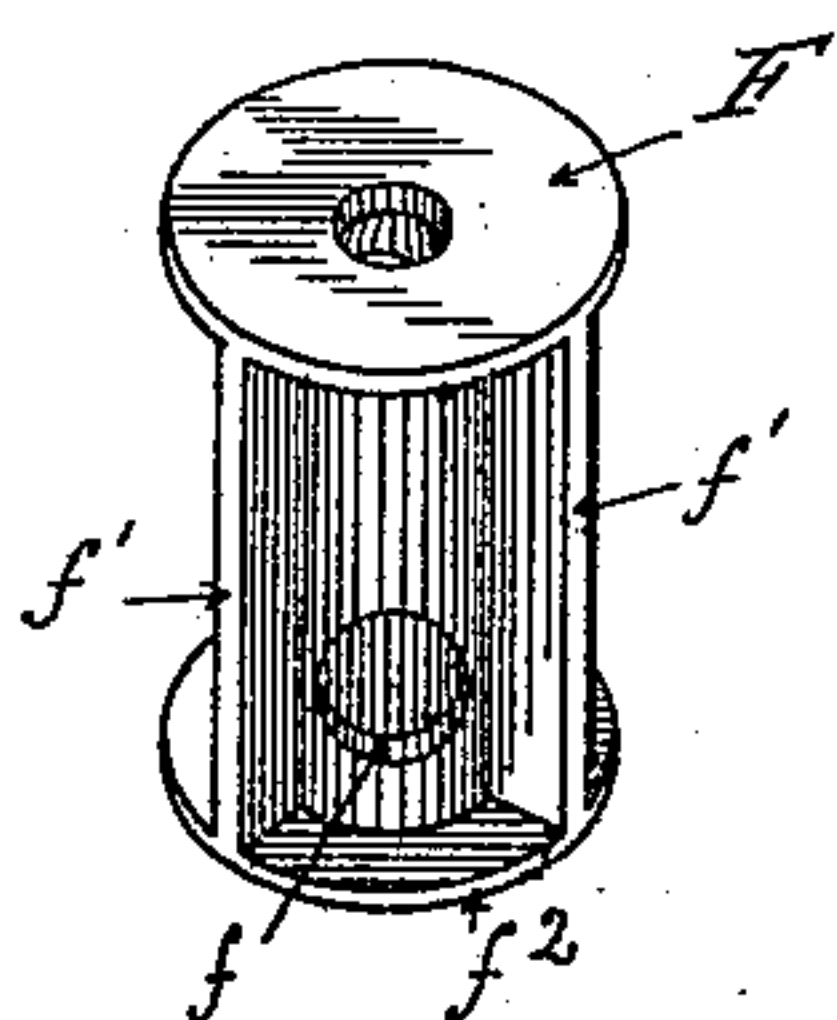


Fig. 2.

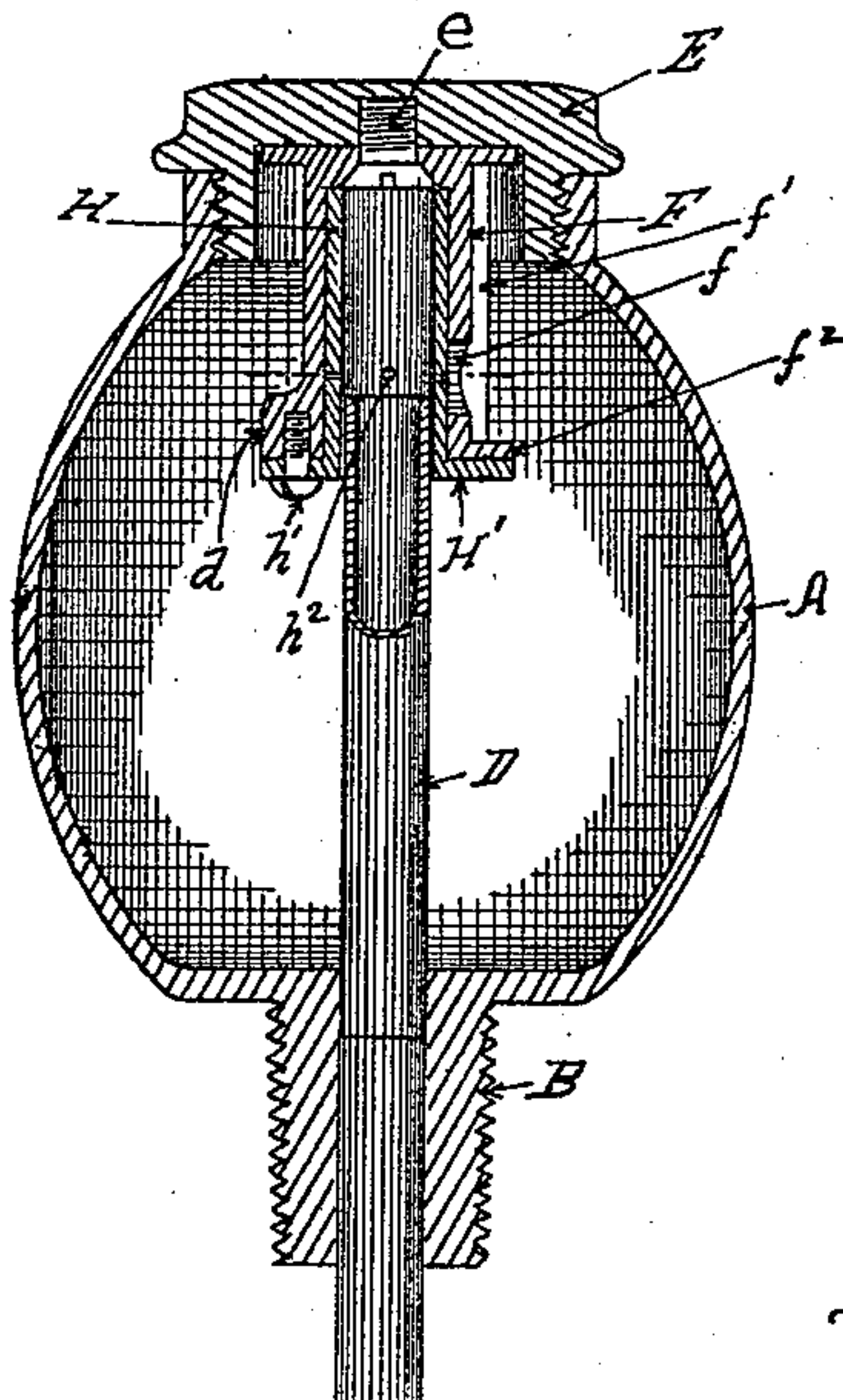
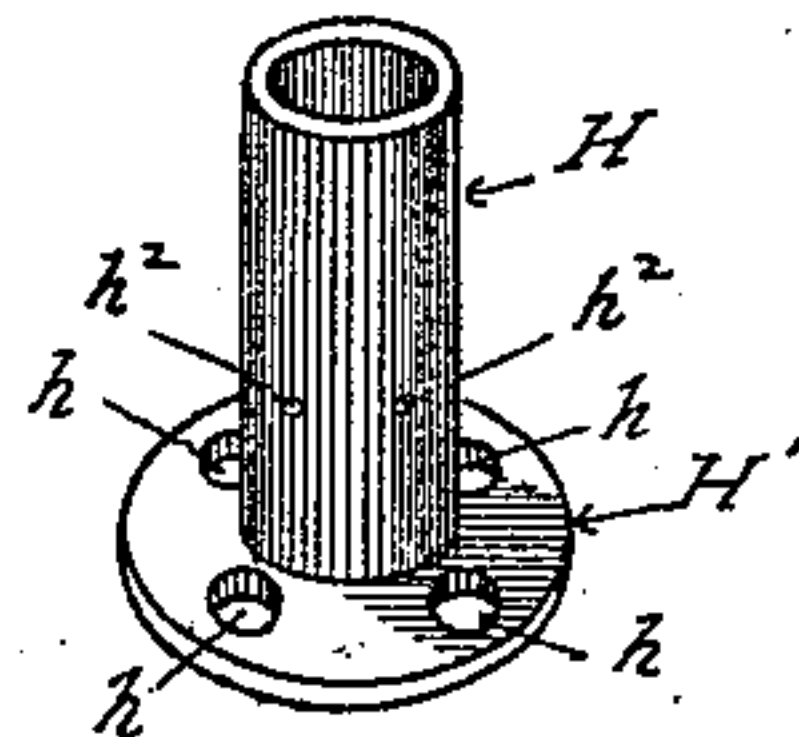


Fig. 5.



WITNESSES.

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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 532,918, dated January 22, 1895.

Application filed February 16, 1894. Serial No. 500,413. (No model.)

To all whom it may concern:

Be it known that I, HENRY SIMS, a citizen of the United States, residing at the city of Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Wrist-Pin Oil-Cups; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention consists in the improvements in wrist-pin oil cups, hereinafter set forth and explained and illustrated in the accompanying drawings, in which—

Figure 1. is a side elevation of my improved wrist-pin oil cup. Fig. 2. is a vertical central section of the same. Fig. 3. is a perspective view of the adjustable tubular guide, which is secured to the screw plug, closing the top of the cup. Fig. 4. is a transverse section of the same. Fig. 5. is a perspective view of the adjustable tubular gage which is secured in the tubular guide, Fig. 3.

In the construction of my improved wrist-pin oil cup, shown in the drawings, A is an oval oil cup, provided at its base with a nipple B adapted to be secured in a wrist-pin box, through which nipple a tube D, passes up into and nearly to the top of the cup A, and through which tube the oil passes down into the wrist-pin box.

The top of the cup A is provided with a screw plug E, and to the inside of the center of the plug E is secured a tubular guide F (Fig. 3.) by means of a central screw *e*, so that it can be adjusted to face in any desired direction. This tubular guide F passes down over the upper end of the tube D and is provided in one side thereof with a large opening *f*, and at each side of said opening with vertical radial flanges *f' f'*, and with an annular base flange *f²*, so that as the cup is carried around by the wrist-pin box, to which it is secured, the oil is thrown up around the oval inside of

the cup between the vertical flanges *f' f'* and by them directed toward the larger opening *f* in the guide F.

For the purpose of controlling the amount of oil passing through the opening *f* in the guide F, I place therein a tubular gage H (Fig. 5). This gage is provided at its lower end with a flange H' in which are holes *h*, through which a screw *h'* passes into a lug *d* on one side of the lower end of the guide F, whereby it can be adjusted and secured within the guide F. In the sides of the tubular gage H are minute holes *h²* at such height that they coincide with the large hole *f* in the guide F when the gage H is in place therein, and through one of which openings *h²* the oil must pass in entering the tube D. These holes *h²* being of different size, the gage H can be adjusted within the guide F before the plug E is screwed into place so as to bring the proper sized hole *h²* opposite the opening *f* in the guide F, according to the amount of oil which it is desired to supply to the wrist-pin. The guide F is also made adjustable, that it can be turned around so that the opening *f* and the flanges *f' f'* will point in the proper direction for operation when the cup has been screwed into a wrist-pin box.

Having thus fully described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a wrist-pin oil cup, of an oval cup, a discharge tube projecting upwardly within said cup nearly to the top thereof, a screw cap for closing the top of the cup, a flanged guide adjustably secured to said screw cap and projecting downwardly over the upper end of the discharge tube and having an opening in one side thereof above the end of the discharge tube, and a tubular gage adjustably secured within said flanged guide and having holes of different sizes therein and adapted to be adjusted, so that one of said holes shall coincide with the opening in the side of the guide, substantially as set forth.

2. The combination in a wrist-pin oil cup,

of an oval cup, an upwardly projecting discharge tube within said cup, an adjustable tubular guide having an opening in one side thereof secured to the plug closing the top of
5 the cup, and extending down over the top of said tube, and a tubular gage secured within said guide and provided with minute openings of different sizes, and adapted to be adjusted so that one of said holes shall coincide with

the opening in the side of the gage, substantially as and for the purpose set forth. 10

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

HENRY SIMS.

Witnesses:

H. A. STRONG,
F. J. BASSETT.