

(No Model.)

C. H. PHELPS.
OIL CAN.

No. 515,552.

Patented Feb. 27, 1894.

Fig. 1.

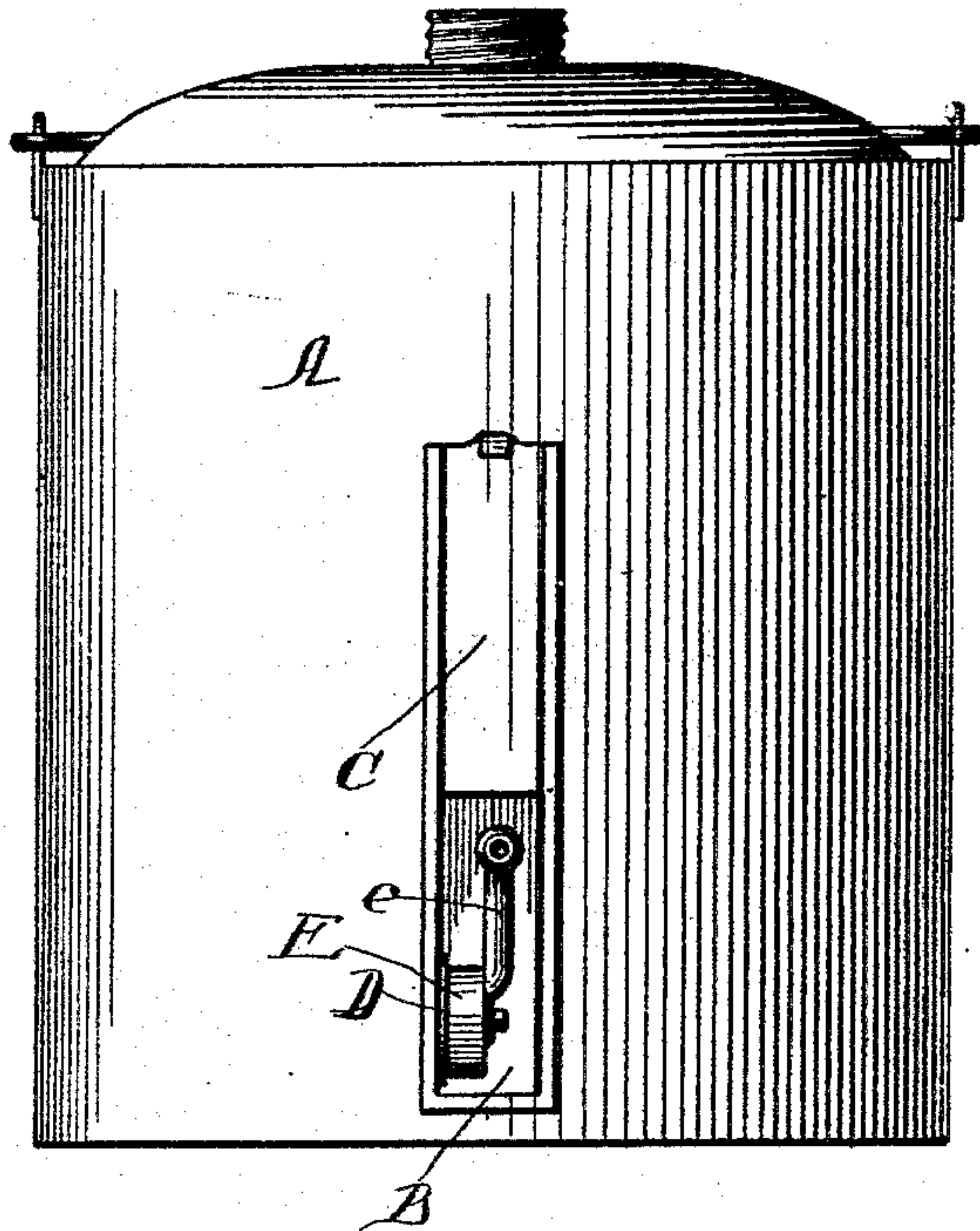


Fig. 4.

Fig. 2.

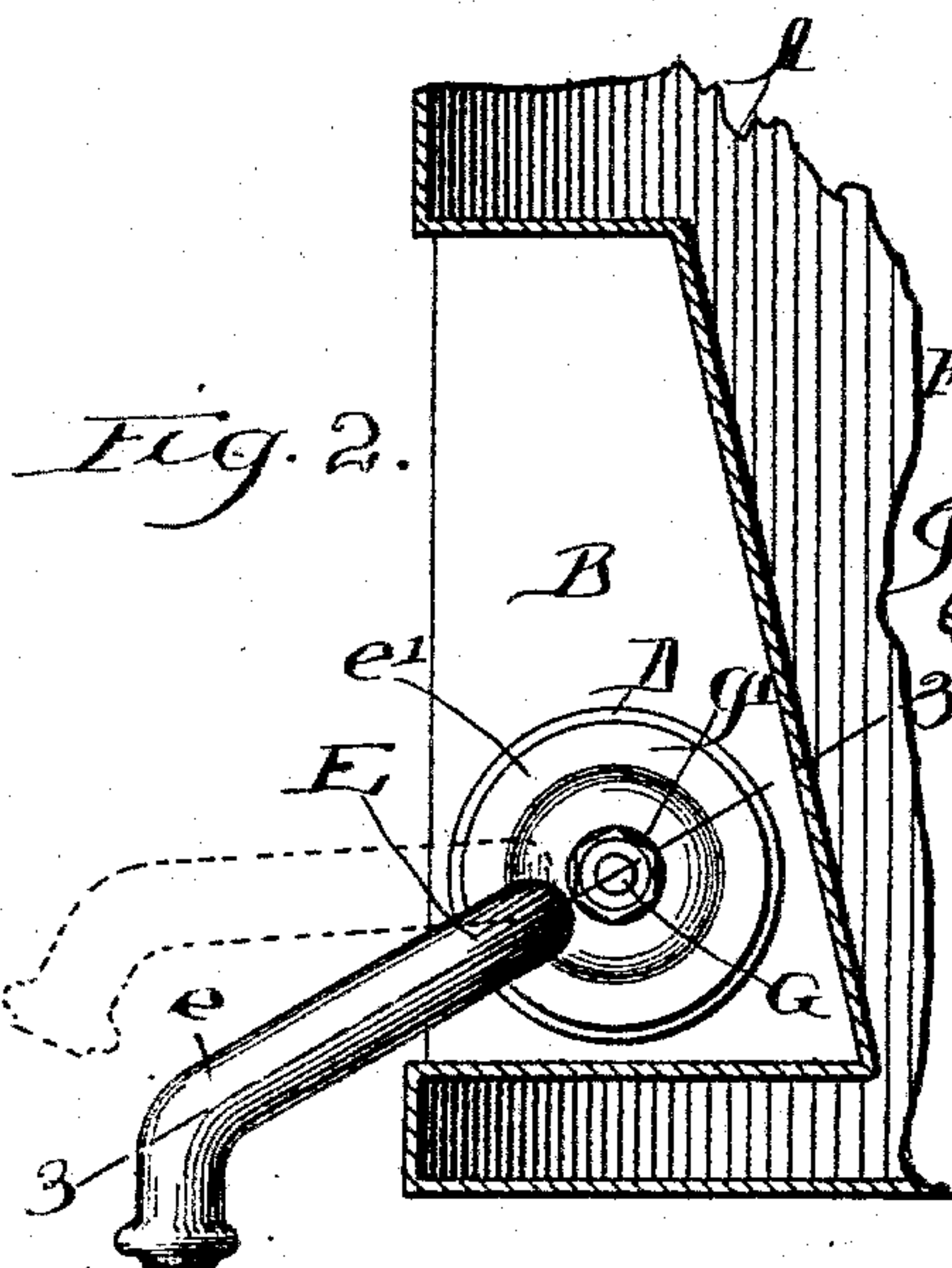


Fig. 3.

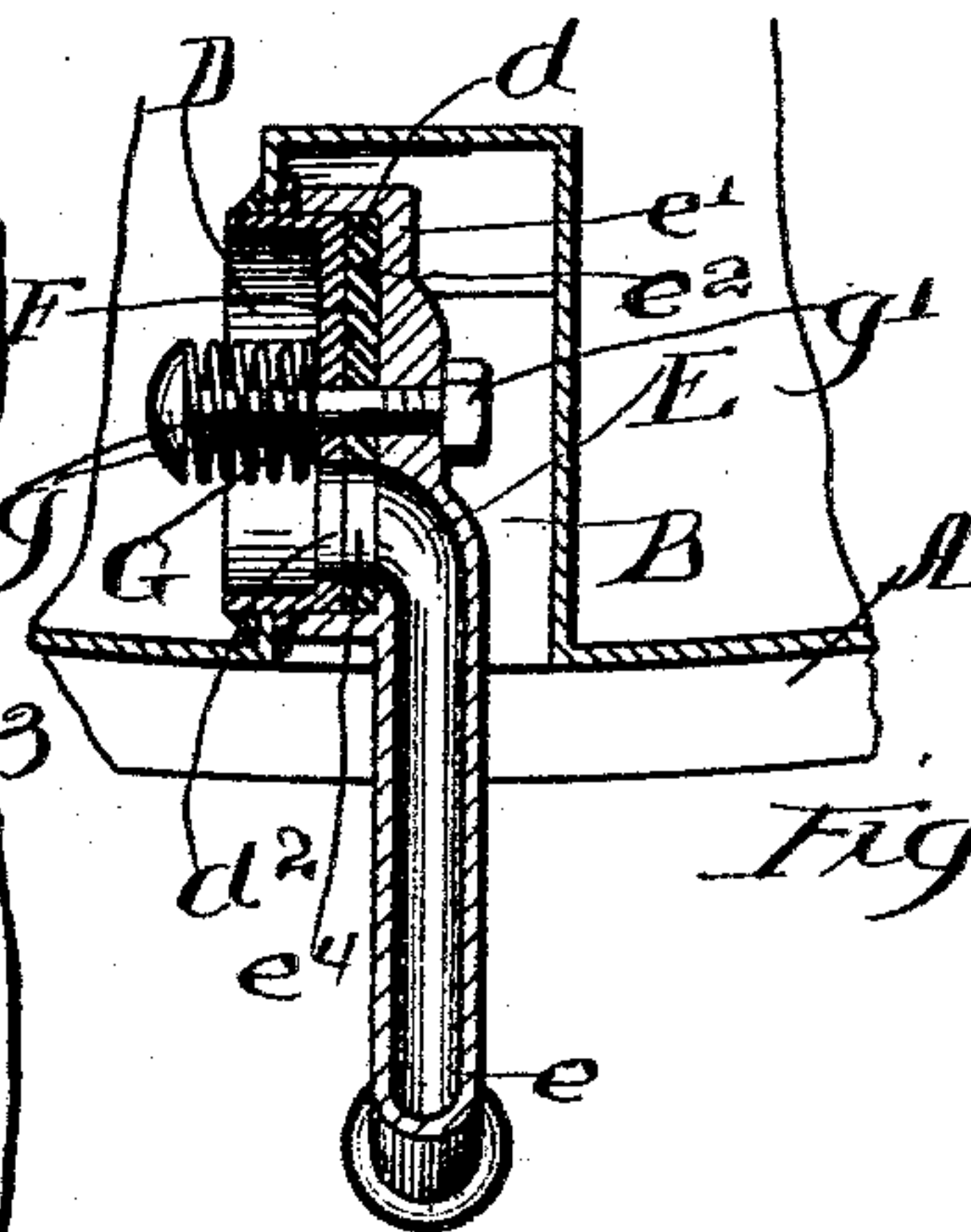
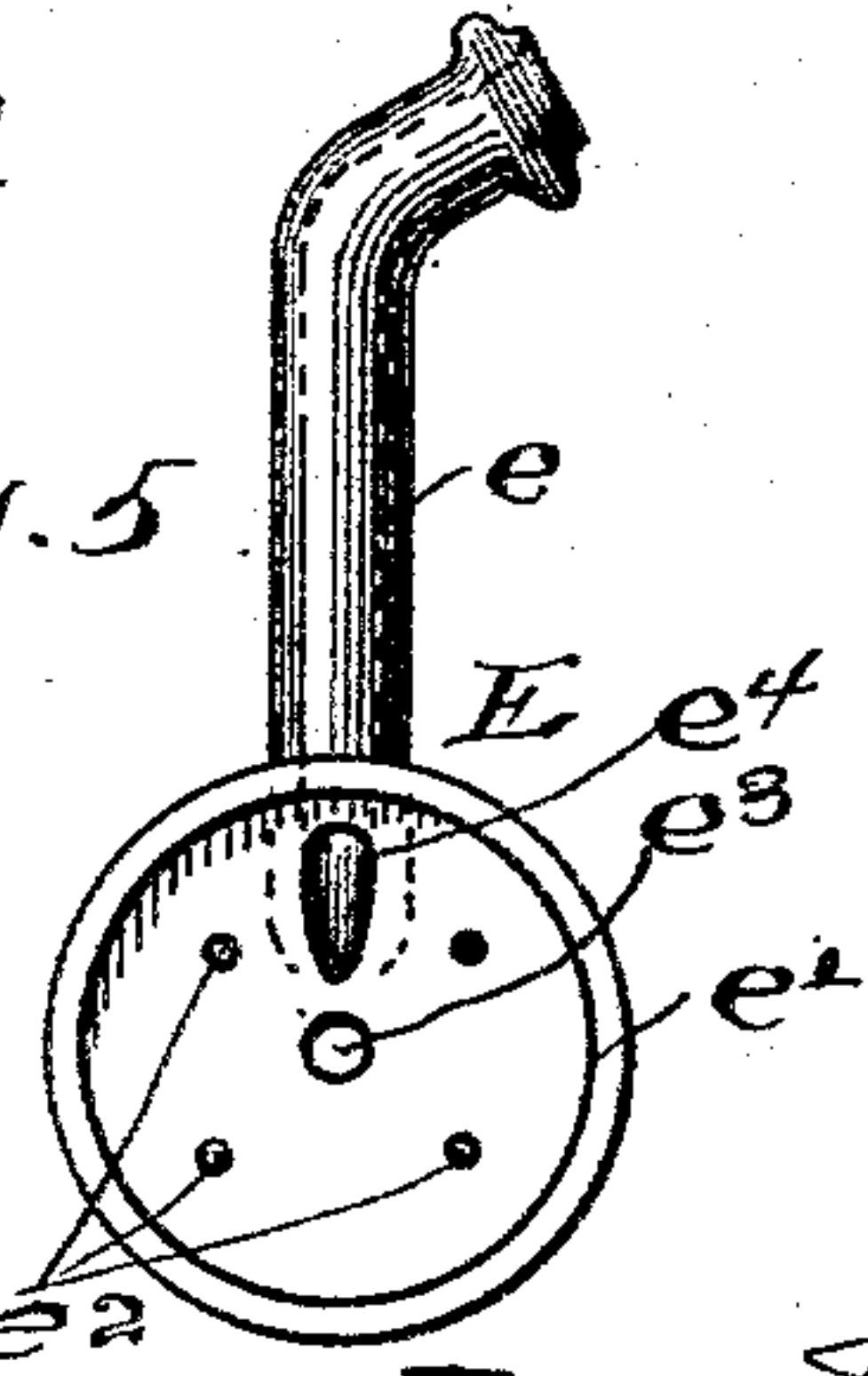


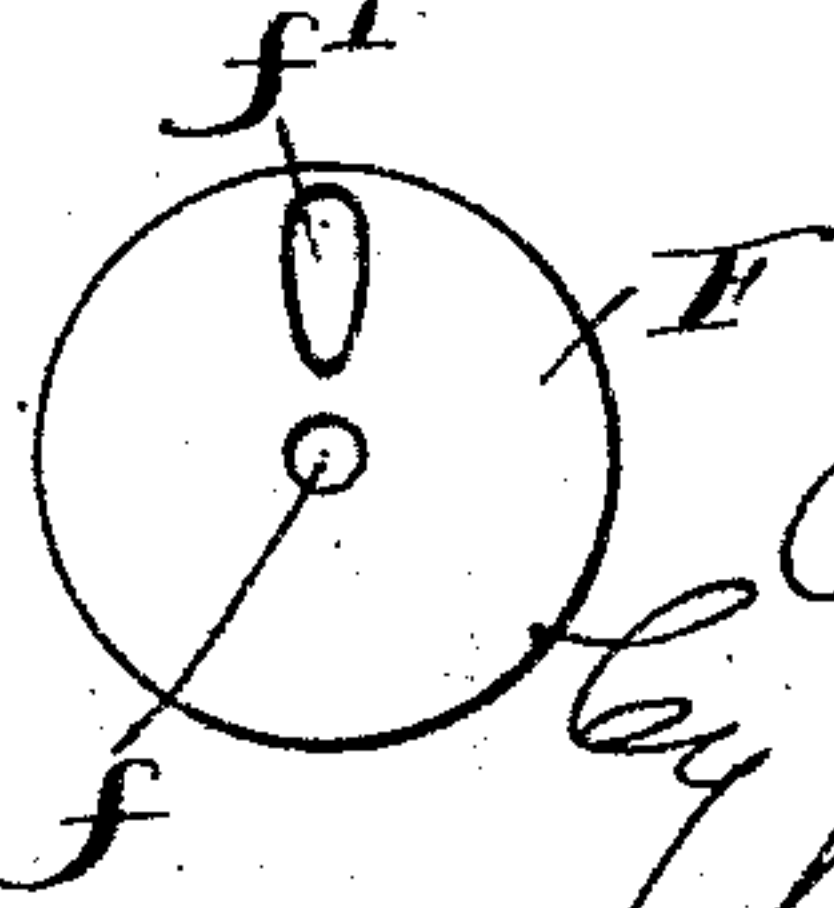
Fig. 5.



Witnesses:

Charles Sherway.
A. H. Ebbesen

Fig. 6.



Inventor:
Charles H. Phelps
by Miles Ermer Pitman.

UNITED STATES PATENT OFFICE.

CHARLES H. PHELPS, OF CHICAGO, ILLINOIS.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 515,552, dated February 27, 1894.

Application filed April 11, 1893. Serial No. 469,884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. PHELPS, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Oil - Cans, of which the following is a specification.

My invention relates to certain improvements in oil-cans of the class in which a faucet is pivoted in a recess near the bottom of the can, said improvements having for their objects, first, the production of a permanently tight faucet which is proof against leakage; and, second, the avoidance of any waste of oil in the operation of the faucet, which waste oil would ordinarily accumulate upon and about the faucet and make the can unpleasant to handle.

The invention is illustrated in the accompanying drawings, by means of six figures, of which—

Figure 1 is a side elevation of a complete oil-can showing the preferred form in which I have embodied my improvements. Fig. 2 is that portion of an axial section passing through the faucet recess which contains the faucet. Fig. 3 is a section in line 3—3, of Fig. 2. Fig. 4 is a detail face view of a hollow plug upon which the faucet turns. Fig. 5 is a rear face view of the faucet plate showing the spout in elevation; and Fig. 6 is a face view of a separate bearing surface which is applied to the inner face of the faucet plate and bears upon the face of the hollow plug to make the joint when the faucet is shut off.

The can is lettered A, and the recess near the bottom B. The latter is provided with a sliding door, C, by means of which it may be entirely closed up to both conceal and protect the faucet within. In one of the side walls of the recess, B, a hollow plug, D, is soldered, having a comparatively smooth face, d , containing a circular hole, d' , in the center and an elongated hole, d^2 , at one side and stretched out upon the surface of the plug in a radial direction. A faucet, E, is provided with a delivery spout, e , having at its base a cup-shaped face plate, e' , large enough to receive the projecting portion of the hollow plug, D. Upon the inner flat surface of said face plate are provided a series of small spurs e^2 ,

and said face also contains two holes, e^3, e^4 , the former centrally located and extending clear through the face plate and the latter located at one side and leading to the interior of the spout, e . This hole, e^4 , is elongated radially of the face plate in the same manner as the hole, e^2 , upon the face of the plug, D. A washer, F, of pliable material, as for instance, leather, is fitted to the interior of the cup-shaped face plate, e' , and is provided with holes, f, f' , corresponding respectively to the holes, e^3, e^4 . In putting these different parts together, the washer, F, is placed within the face plate, e' , with the holes, f, f' , registering with the holes, e^3, e^4 , respectively, and is then forced down upon the spurs, e^2 , upon the inner surface of the face plate. The under surface of the washer has been previously coated with an oil-proof adhesive, as, for instance, hard shellac which is now allowed to dry and thoroughly cements the washer to the face plate preventing it from turning thereupon, in which it is assisted by the spurs, e^2 . The face plate is now placed over the face of the plug, D, a bolt, G, provided with a spring, g , and nut, g' , is passed through the holes, d' , and e^3 . The latter hole is tapped to fit the thread upon the bolt and the spring, g , is interposed between the head of the bolt and the inner face of the hollow plug, D. The bolt is then screwed through the face plate, e' , until the proper tension is put upon the spring, g , which should be sufficient to hold the bearing surfaces tightly enough together to prevent any leak of oil. After this, the nut, g' , is screwed upon the end of the bolt, locking the latter in the face plate and preventing it from unscrewing when the faucet is moved back and forth.

In putting the plug, D, into the side wall of the recess, B, the hole, d^2 , is turned considerably below the center as shown in Fig. 4, so that the faucet is open in substantially the position shown in Fig. 2, and is entirely closed before it reaches the position shown in dotted lines in the latter figure. This location is essential to one of the objects of my invention, because it enables the spout to entirely empty itself before reaching the horizontal position, preventing the cutting off of the flow from the end of the spout when the

latter is partly full, as would be the case if the faucet were open in a substantially horizontal position. It is an important advantage to have the spout empty when turned upward, as it prevents the waste of oil from the spout in handling the can. Such waste would, of course, be immaterial as far as the loss of oil is concerned, but yet would be exceedingly annoying, because of the presence of the waste oil upon and about the faucet.

I realize the fact that more or less variation is possible in the way of material, arrangement and general construction, and for that reason do not intend to limit myself except as clearly set forth in the following claims.

I claim as new and desire to secure by Letters Patent—

1. The combination with a can, A, having a recess, B, in its outer surface of a plug, D, secured in one of the side walls of said recess and having a face substantially parallel thereto, a faucet, E, pivoted to said plug by means of a face plate substantially parallel

to the face of the plug and normal to the pivot, and a pliable washer interposed between the face plate, and the face of the plug, said plug, washer and face plate being respectively, provided with openings, which may be brought to register with each other in one position of the washer and face plate, but which will be thrown out of register by turning the faucet on its pivot; substantially as described.

2. The combination with the can, A, having the recess, B, of the plug, D, secured in one of the side walls of the recess, the faucet, E, having the spout, e, and the face plate, e', provided with spurs, e², the pliable washer, F, forced upon the face plate, e', and the pivot bolt, G, adapted to clamp the face plate, washer and plug together; substantially as described.

CHARLES H. PHELPS.

Witnesses:

CHARLES O. SHERVEY,
A. I. H. EBBESEN.