

No. 708,305.

Patented Sept. 2, 1902.

H. C. BLANCK.
BUNG.

(Application filed Apr. 29, 1902.)

(No Model.)

Fig. 1.

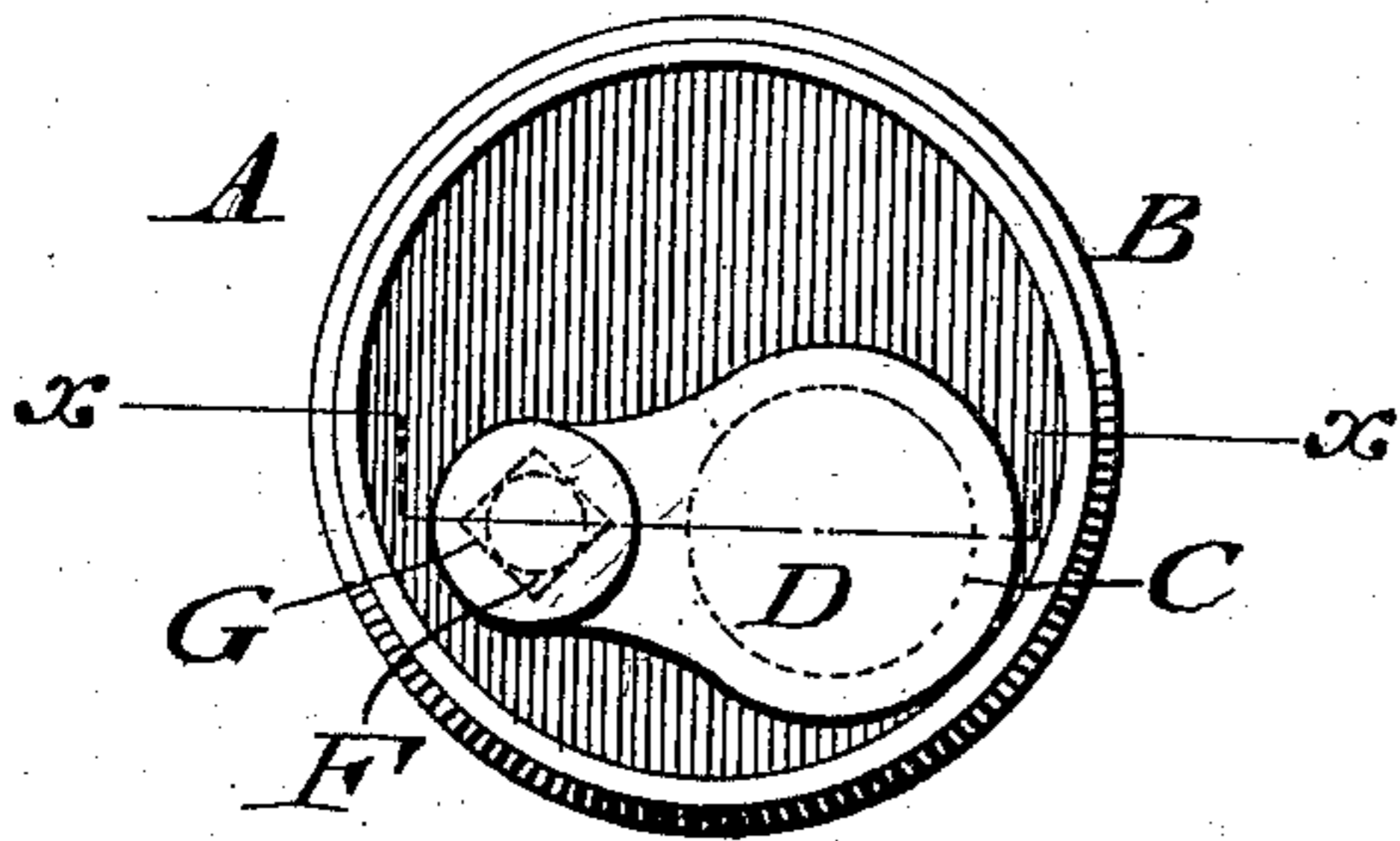


Fig. 2.

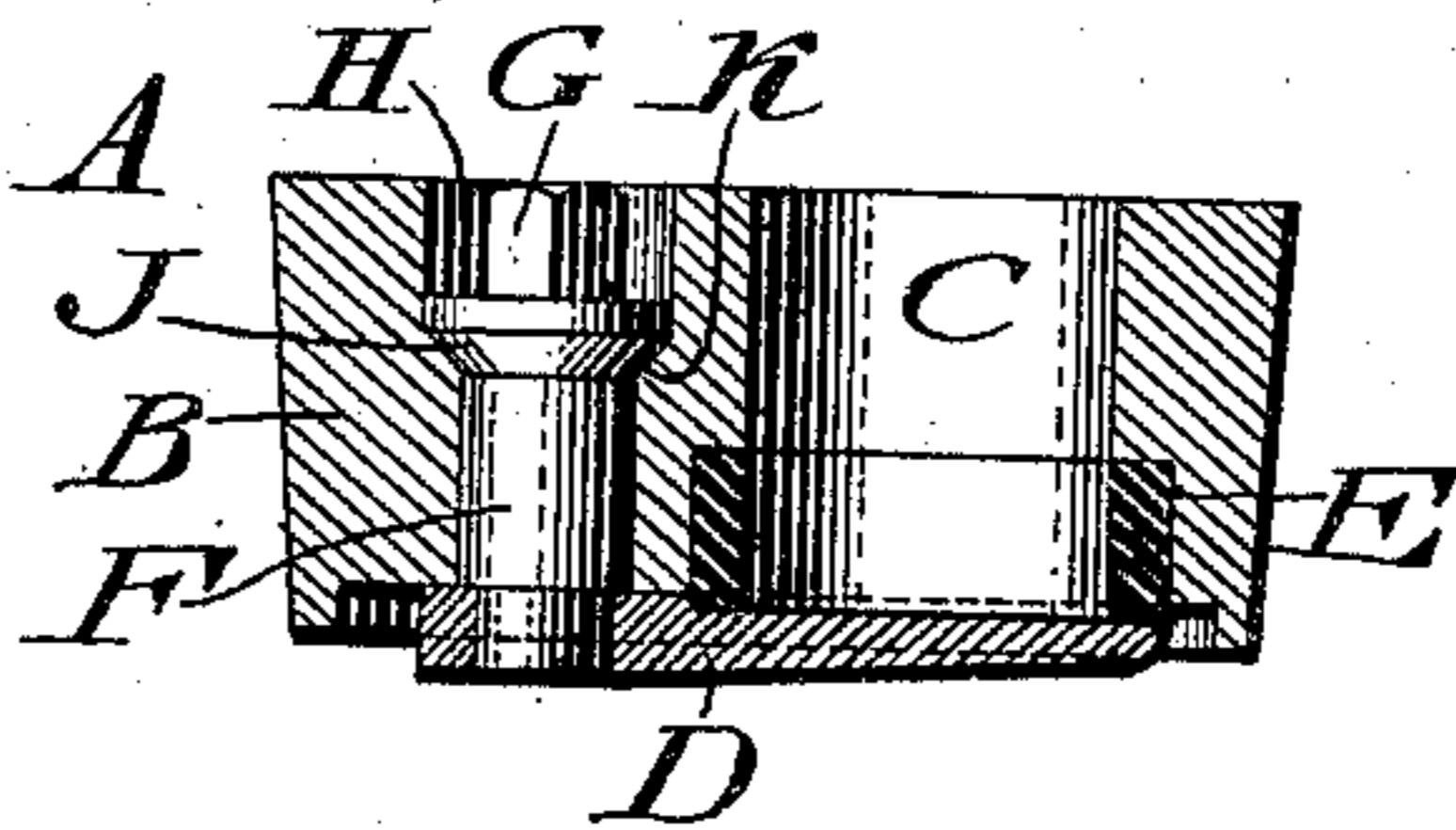


Fig. 3.

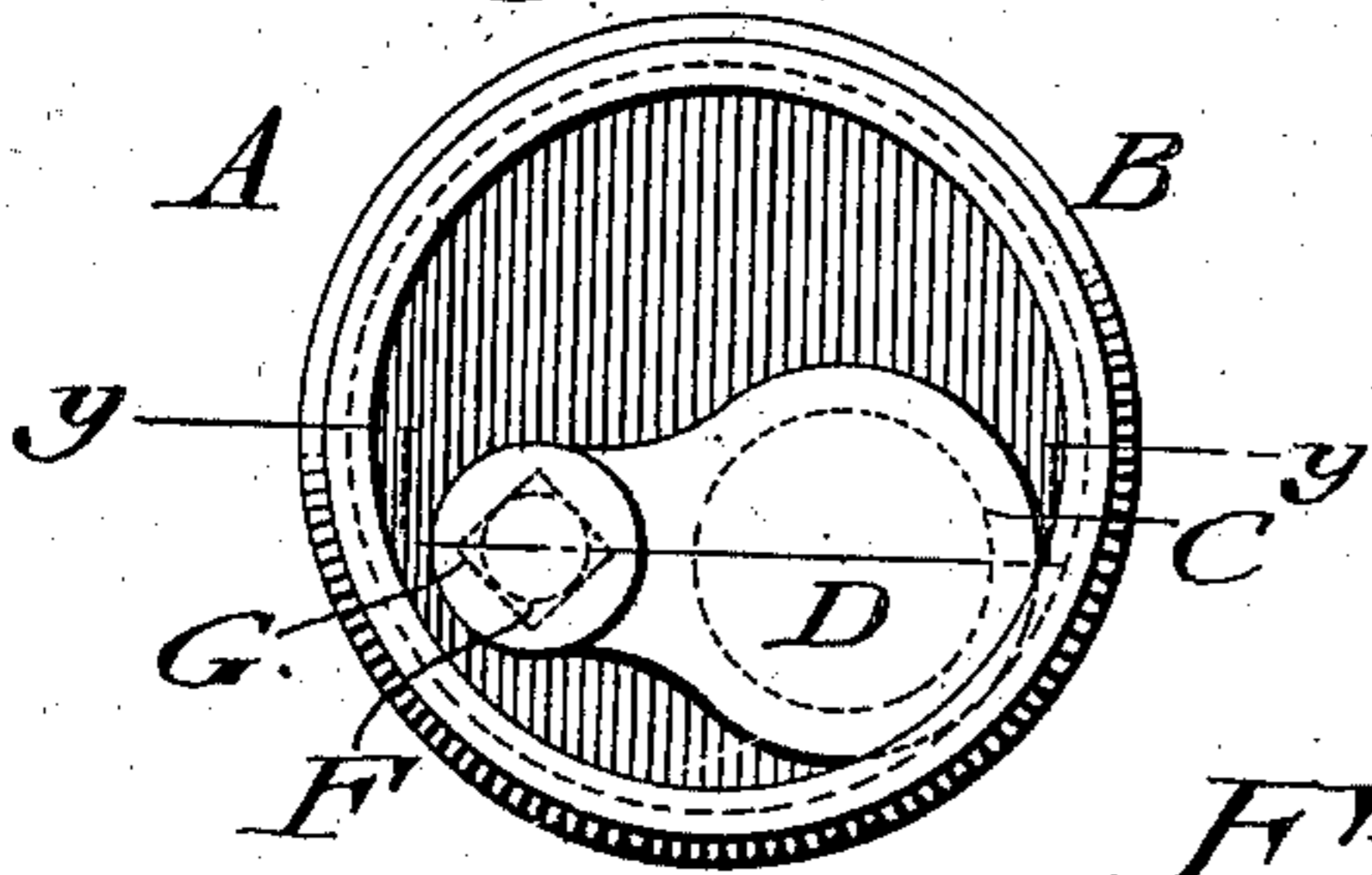


Fig. 4.

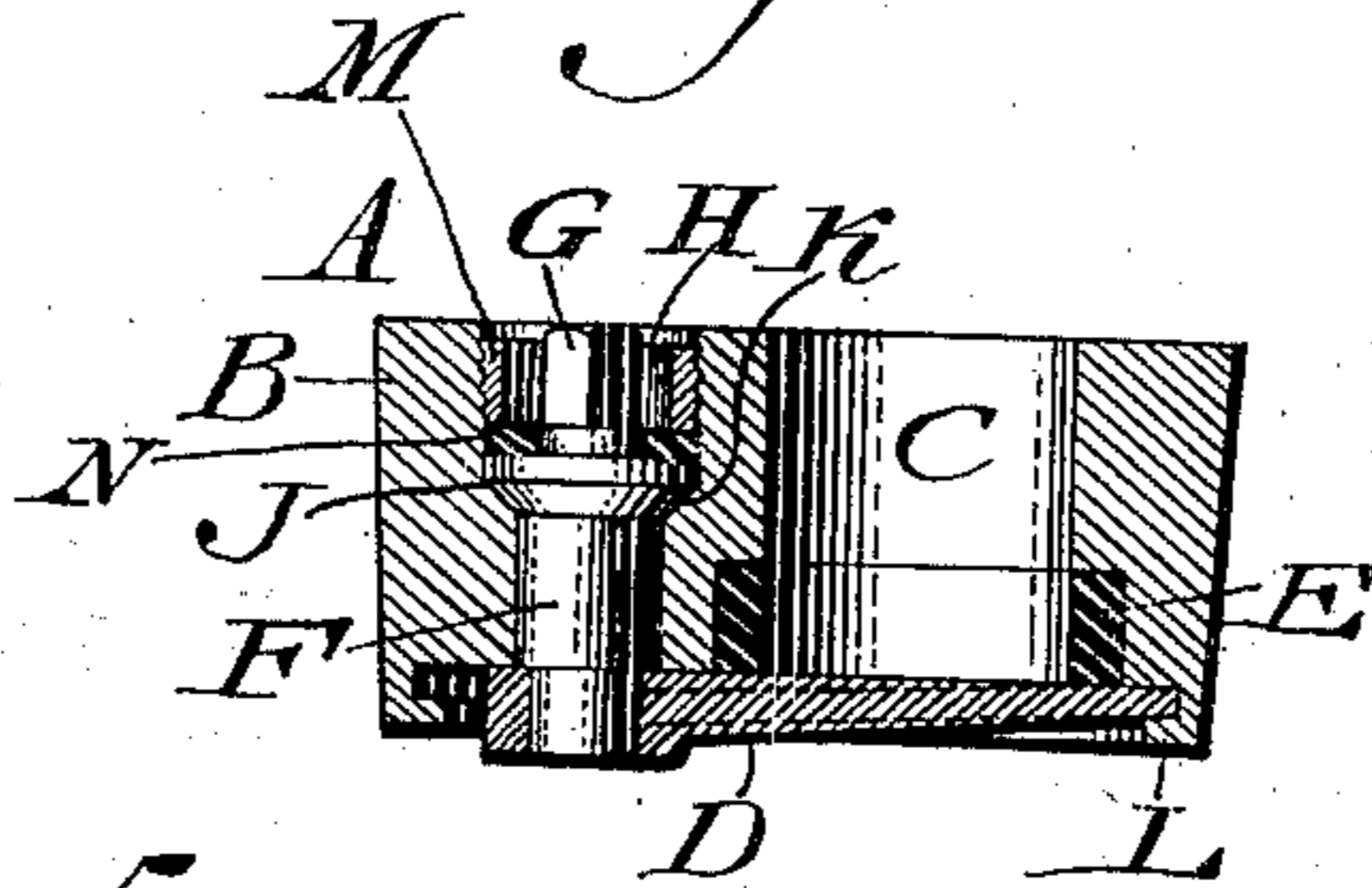
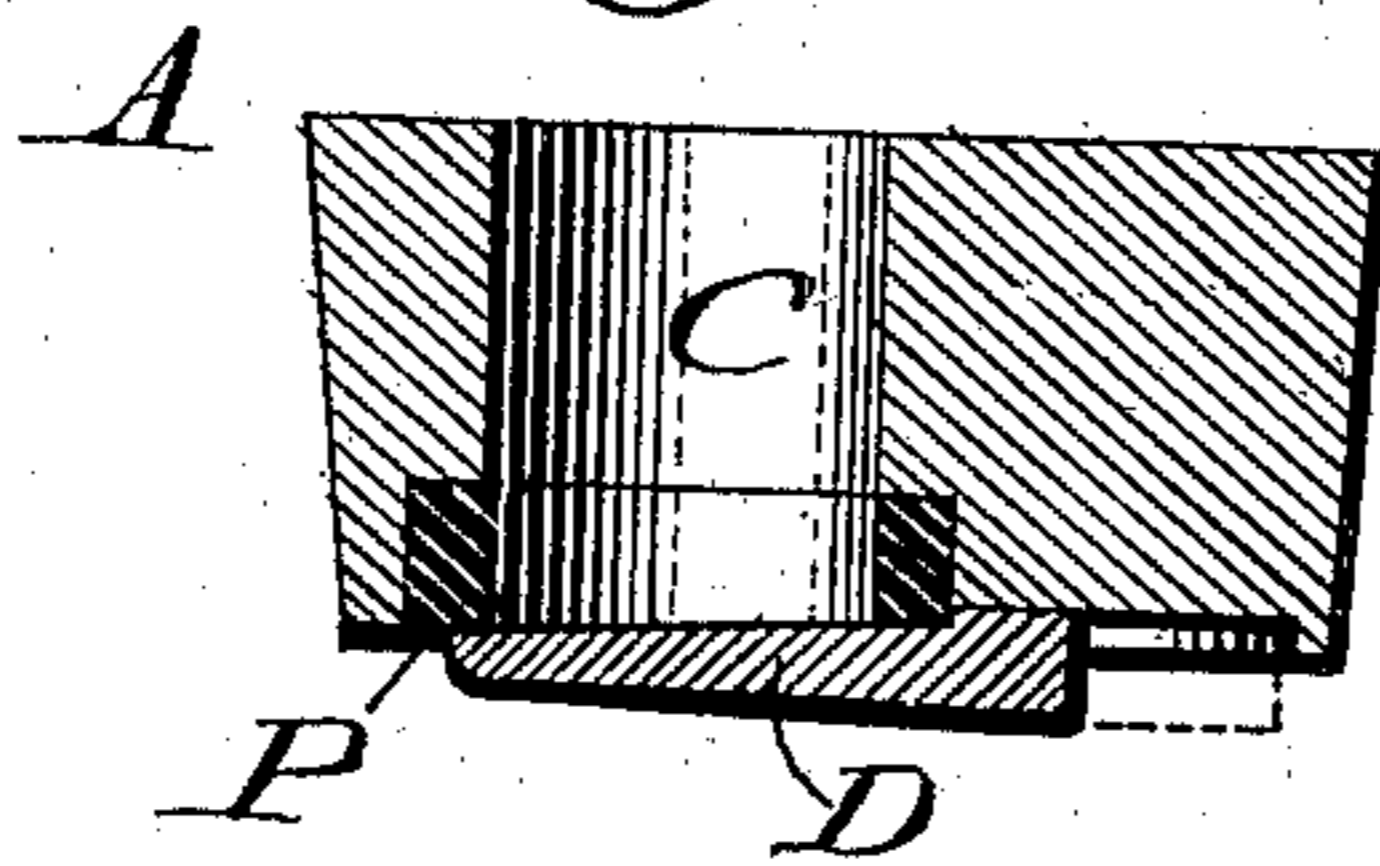


Fig. 5.



Witnesses

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BUNG.

SPECIFICATION forming part of Letters Patent No. 708,305, dated September 2, 1902.

Application filed April 29, 1902. Serial No. 105,186. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. BLANCK, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Bungs, of which the following is a specification.

My invention consists of an improvement in bungs, wherein I provide a valve, so that the contents of the receptacle to which the bung is attached can be reached or withdrawn without removing the bung therefrom.

It further consists of novel details of construction, all as will be hereinafter fully described and claimed.

Figure 1 represents a plan view of a bung embodying my invention. Fig. 2 represents a sectional view on line *x x*, Fig. 1. Fig. 3 represents a plan view of the bung with a track or locking device for the valve. Fig. 4 represents a sectional view on line *y y*, Fig. 3. Fig. 5 represents a sectional view showing a slightly different construction.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a bung having a body portion B, the outer walls of which are preferably inclined and which are adapted to engage the walls of the bung-hole in the receptacle.

C designates an opening or passage through the body portion of the bung, which is preferably of sufficient size in order to receive a hose or other suitable device for removing the contents of the receptacle and discharging the same into a desired point.

D designates a valve which is adapted to project over the opening C and close the same when in normal position, a suitable packing E being interposed between the body portion B and the said valve D.

F designates a shaft or pin which is suitably mounted in the body portion B and is secured to or connected with a valve D. G designates a squared end on said pin, which is countersunk in the recess H in the body portion, said squared end being adapted to receive a key or other suitable device for turning the pin F and with it the valve D, whereby it will be seen that the valve can open and close the opening or passage for evident purposes. The pin F is provided

with the enlarged portion J, the lower walls of which are inclined and which rest upon the seat K in the body portion and makes a bearing for the pin F.

In some instances it may be found necessary to support the free end of the valve, in which case I provide a track or flange L on the body portion, on which the free end of the said valve is adapted to rest, and I may make the inner wall thereof inclined, as will be understood from Fig. 4, forming a cam, it being apparent that in this way I may tighten the valve against its seat in order to insure a perfect joint.

The operation will be readily seen. My object is to provide a bung with a valve, whereby the contents of the receptacle are accessible and in addition to prevent the bung from being also opened by the operator, as is now so often the case, whereby a considerable amount of the contents of the receptacle may be lost by evaporation. In the present instance I preferably insert a hose in the opening or passage C and by a suitable key operate the valve to open the passage or opening C, so that the contents or the desired amount of the contents can be obtained. When this is done, the operator will close the valve and remove the key, whereby the case or receptacle will be hermetically sealed.

In Fig. 4 I have shown a nut M, secured by screw-threads in the recess H of the body portion, said nut M securing in position the packing N in order to positively insure a tight joint should the same be necessary.

In Fig. 5 I have shown a construction wherein the walls of the soft packing P are made inclined or beveled in order that when the valve B is turned it will be tightly seated.

It will be evident that various changes may be made by those skilled in the art which will come within the scope of my invention, and I do not, therefore, desire to be limited in every instance to the exact construction herein shown and described.

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

1. In a bung, a body portion having a passage therethrough, a valve adapted to cover said passage and rotatably mounted to one side thereof, means upon the rotary shaft of

said valve for operating the same, and a packing seated and held within a recess in said body portion and surrounding the said passage at its inner end.

5 2. In a bung, a body portion having a passage therethrough, a valve adapted to cover said passage and rotatably mounted to one side thereof, means upon the rotary shaft of said valve for operating the same, a packing
10 seated and held within a recess in said body portion and surrounding the said passage at its inner end, and means for supporting and tightening said valve against the under side of said packing.

15 3. In a bung, a body portion having a passage therethrough, a valve adapted to cover said passage and rotatably mounted to one side thereof, means upon the rotary shaft of said valve for operating the same, a packing
20 seated and held within a recess in said body

portion and surrounding the said passage at its inner end, and means for supporting and tightening said valve against the under side of said packing and means for forming a tight joint about said shaft.

25 4. In a bung, a body portion having a passage therethrough, a valve adapted to cover said passage and rotatably mounted to one side thereof, means upon the rotary shaft of said valve for operating the same, and a packing
30 seated and held within a recess in said body portion and surrounding the said passage at its inner end, the said body portion being formed with a cam-guide at its inner end to support the free edge of the valve and
35 tighten said valve against the packing.

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Witnesses:

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