

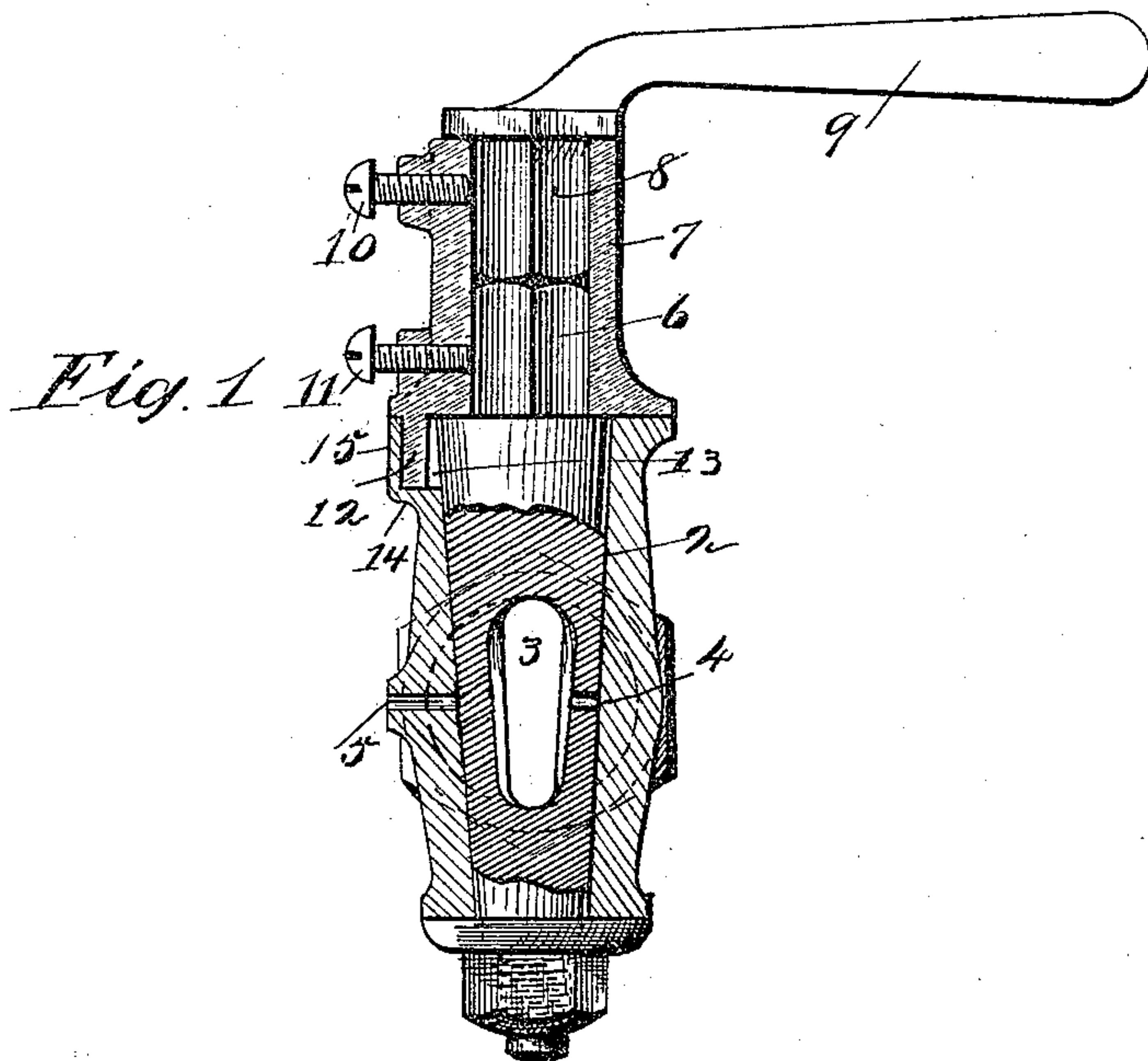
No. 607,865.

Patented July 26, 1898.

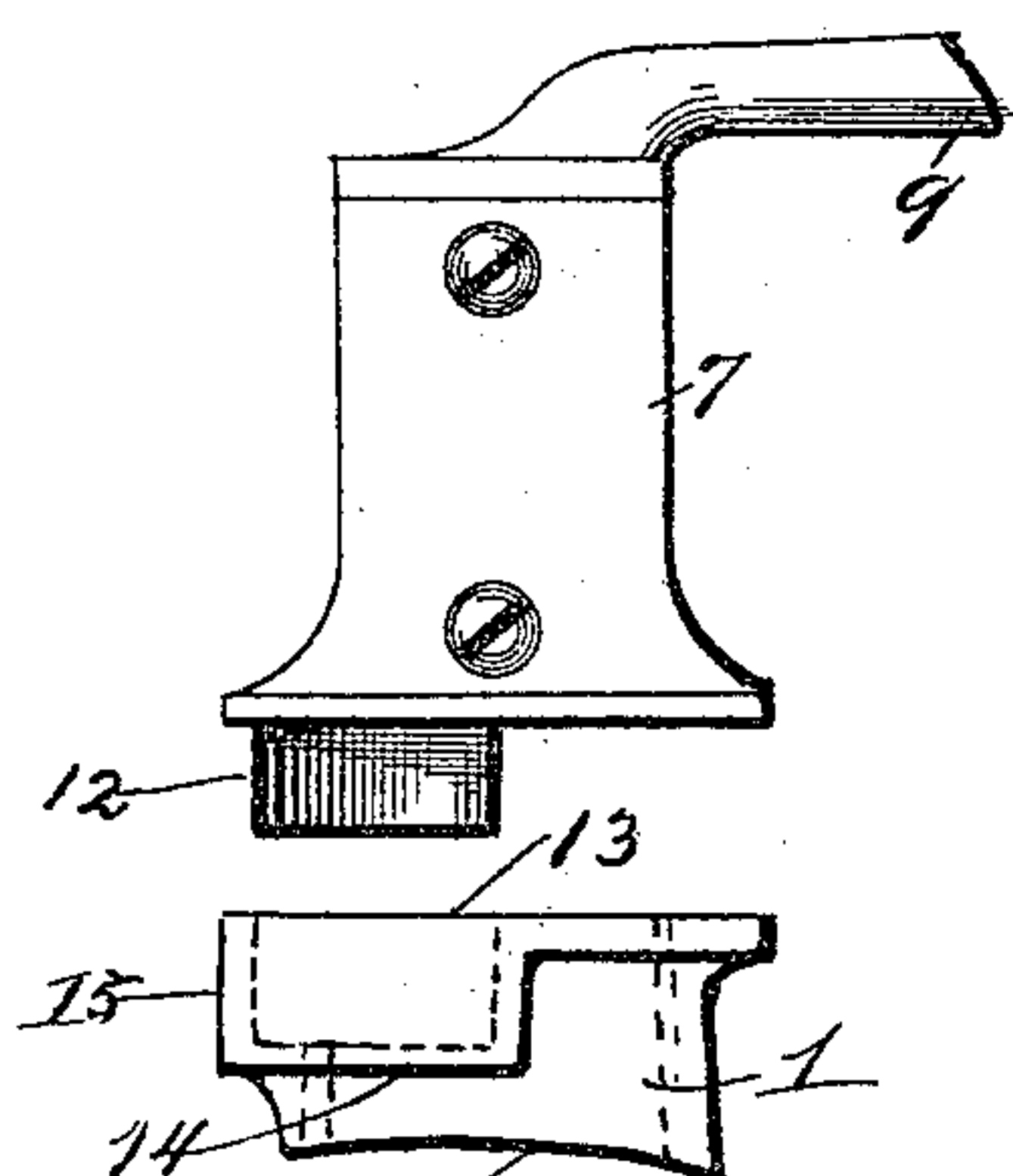
A. L. LAMBERT.  
STOP AND WASTE COCK.

(Application filed Nov. 30, 1897.)

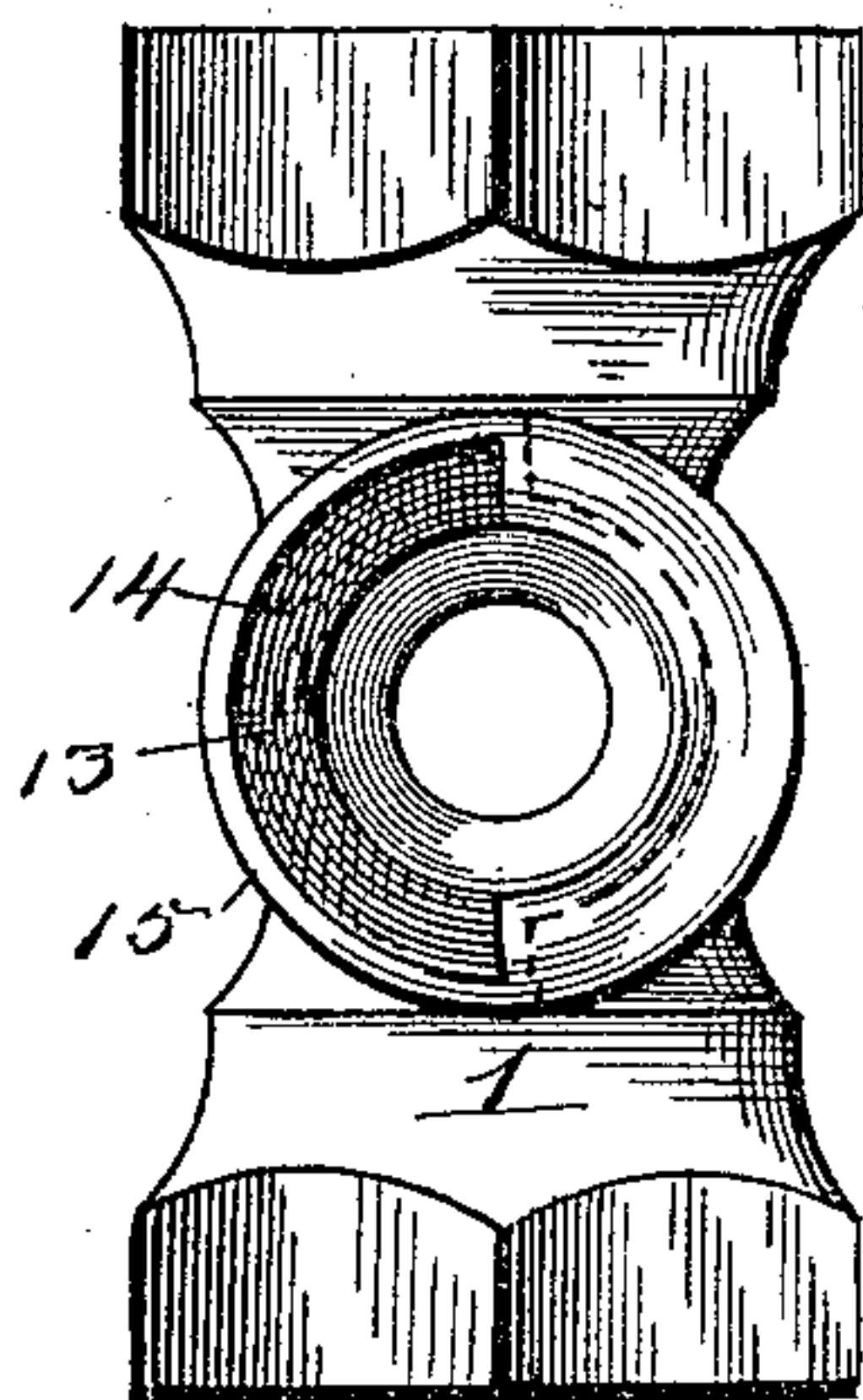
(No Model.)



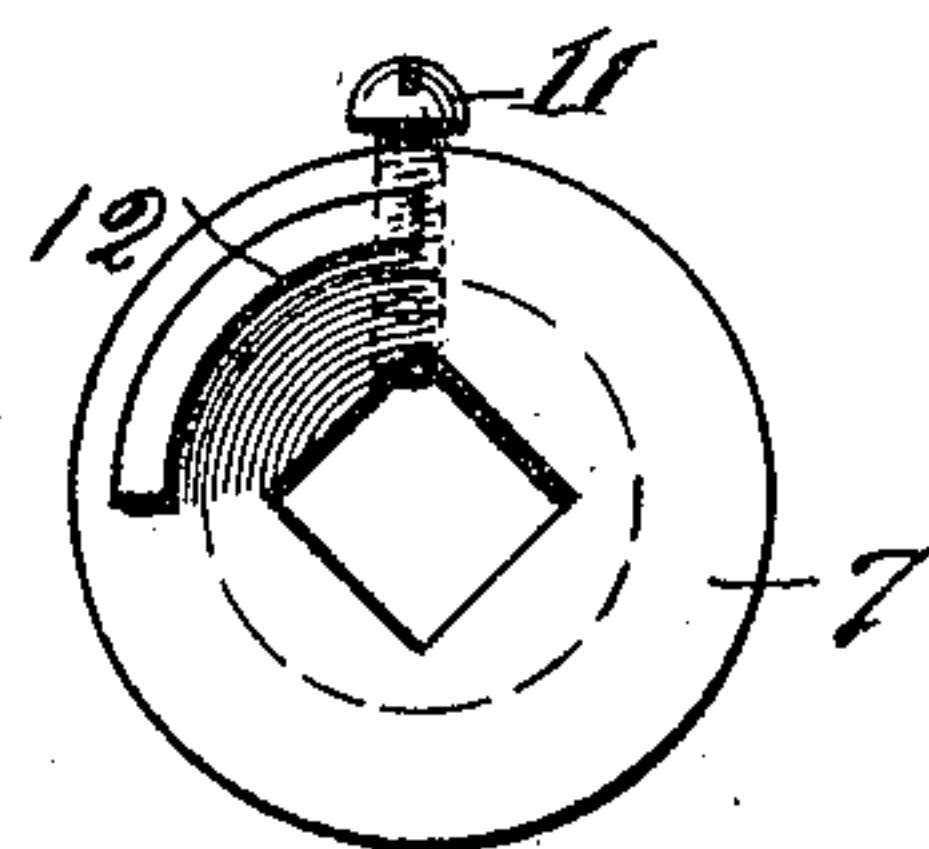
*Fig. 4*



*Fig. 2*



*Fig. 3*



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## STOP AND WASTE COCK.

SPECIFICATION forming part of Letters Patent No. 607,865, dated July 26, 1898.

Application filed November 30, 1897. Serial No. 660,317. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT L. LAMBERT, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Stop and Waste Cocks, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it ap-  
10 pertains to make and use the same.

My invention relates to improvements in stop and waste cocks; and the objects of the invention are to provide means for producing a right or left hand cock adapted to waste at  
15 each extremity of the throw when closed and at the same time provided with concealed stops, whereby clogging from accumulations of dirt is avoided.

My invention consists in the annularly-recessed body and cap provided with depending lug and in the details of construction and combination and arrangement of parts, as herein-  
20 after described, shown in the accompanying drawings, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical transverse section of the cock. Fig. 2 is a plan view of the same with cap removed. Fig. 3 is a bottom view of cap, and Fig. 4 a  
30 side view of cap and upper portion of body.

In the views, 1 is the body of the cock; 2, the taper-plug provided with opening 3 and waste-opening 4.

5 is the waste-opening for the body of the  
35 cock.

6 is the stem of the taper-plug, which is squared to receive the cap 7. The squared portion of the stem extends only about half-way into the cap, the remaining portion of  
40 the opening being filled by the squared stem 8 of the cock-handle 9. Set-screws 10 and 11 serve to secure the squared stems to the cap, so that different portions of the cock will not fall apart when it is handled.

12 is a downwardly-projecting lug upon the lower face of the cap and just within the circumference and extending through only one-quarter of the entire circle.

Upon the upper face of the body of the faucet is the semicircular recess 13, inclosed  
50 by the external lip extended from the body of the cock outwardly at 14, and thence vertically at 15, so as to entirely inclose the lug 12 upon the cap. It will be seen that the cap will have just a quarter-revolution, which is  
55 the distance the lug will travel in the recess before striking the terminal wall at either end.

It will also be apparent that the plug can be turned into right or left hand by setting the screws upon one or the other of the cor-  
60 ners of the rectangular stem. The quarter-stroke will be sufficient to either open the cock or close the cock and open the waste-outlets, the right and left movements being merely the reverse of each other.

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

In a right and left hand cock the combination with a plug, provided with inlet and waste  
70 passages, and a square stem of a body, provided with similar passages and a taper bore to receive the plug—a cap provided with a rectangular opening in which said stem and the stem of the handle are inserted, set-screws  
75 whereby the said stems can be adjustably secured in the cap, a semicircular recess in the upper face of the body of the cock, inclosed by the vertical and horizontal walls of projecting lip, and a depending lug a quarter of  
80 a circle in width engaging said recess, substantially as described.

ALBERT L. LAMBERT.

Witnesses:

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