

(No Model.)

2 Sheets—Sheet 1.

D. BEEBE.
FAUCET AND VENT BUNG AND BUSHING.

No. 495,719.

Patented Apr. 18, 1893.

Fig. 4.

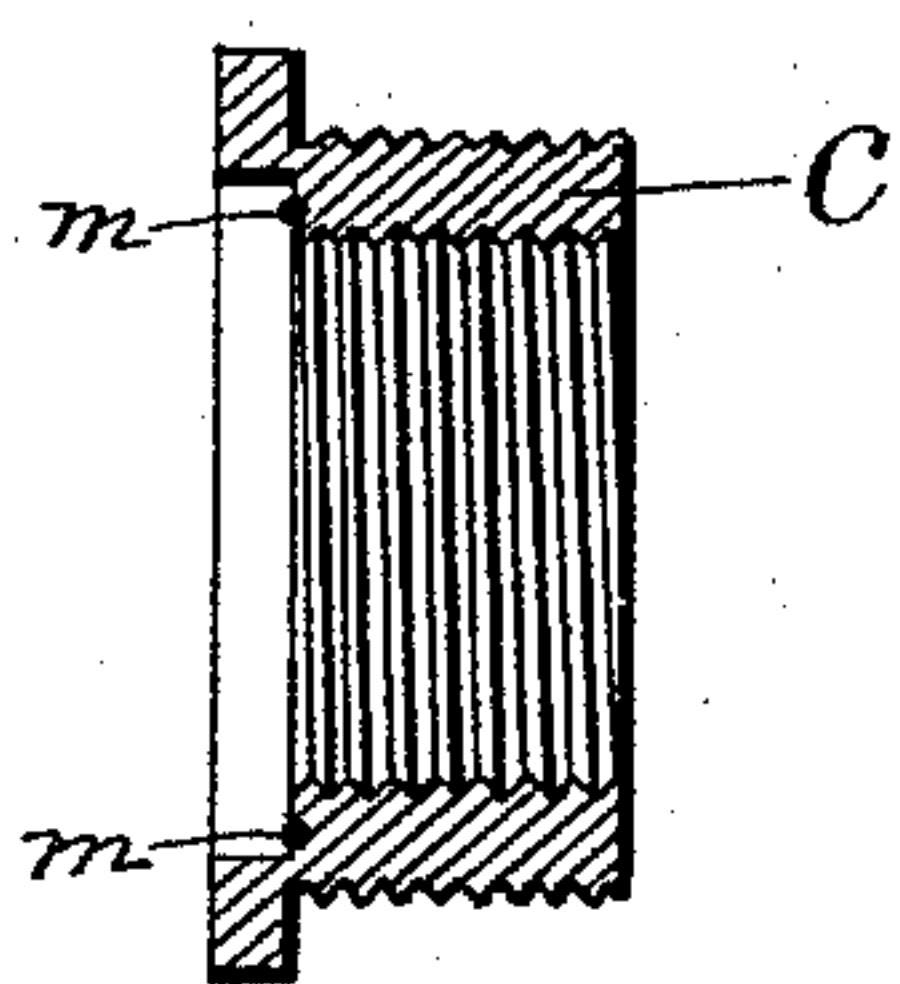


Fig. 1.

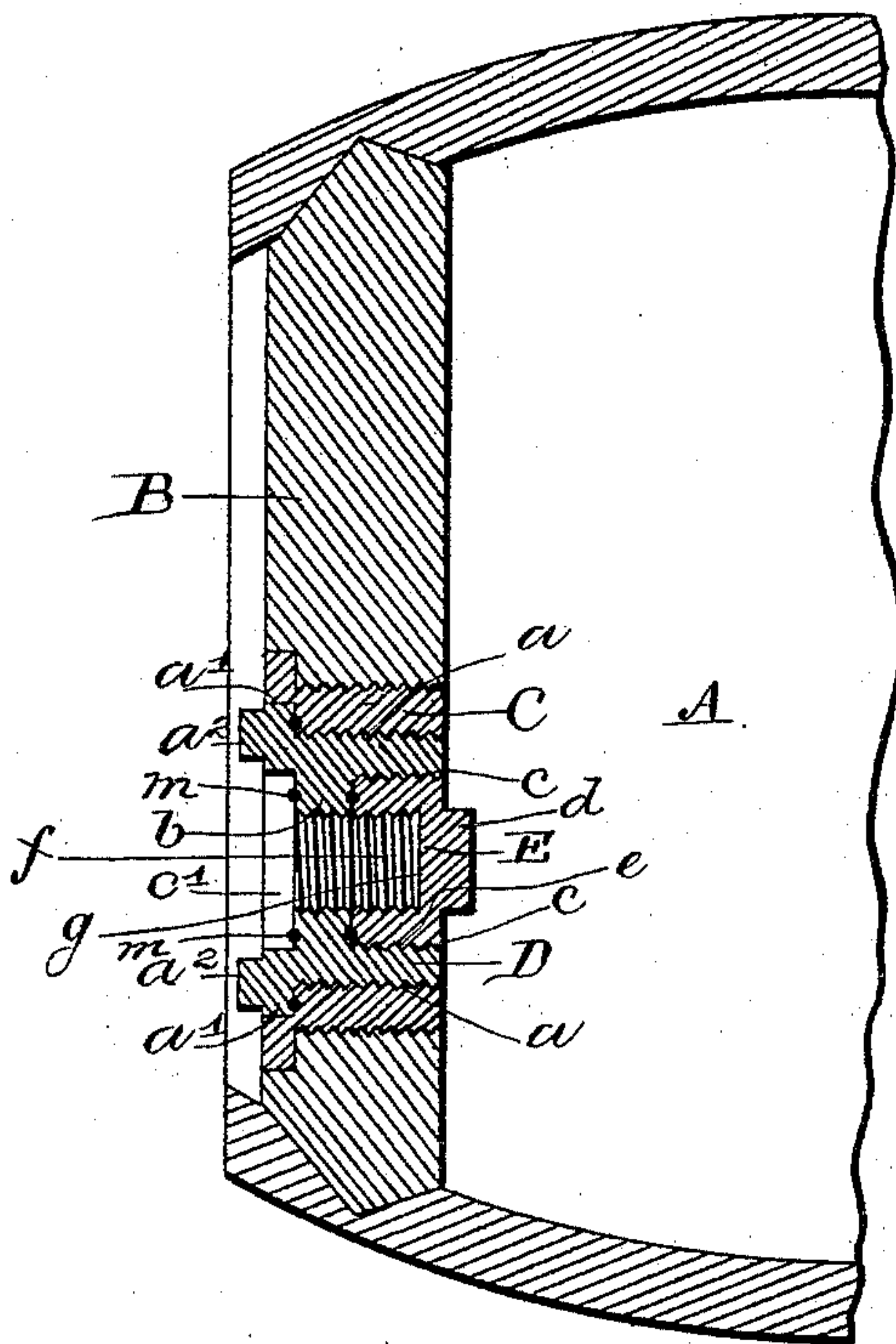


Fig. 2.

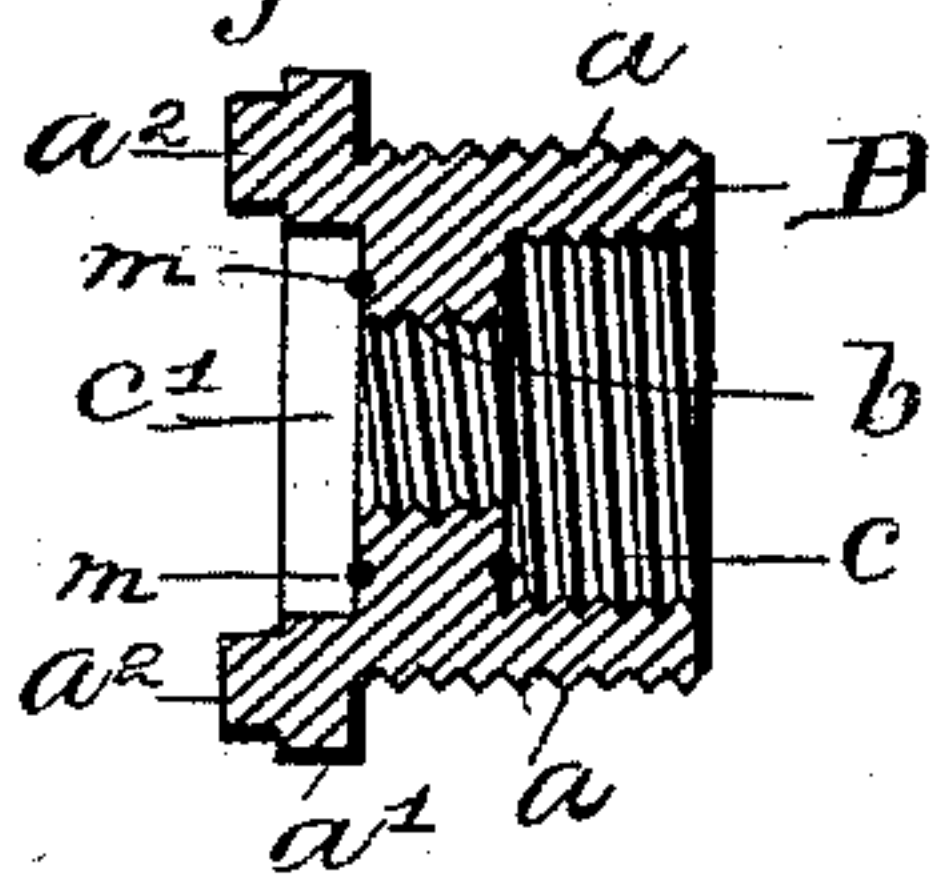
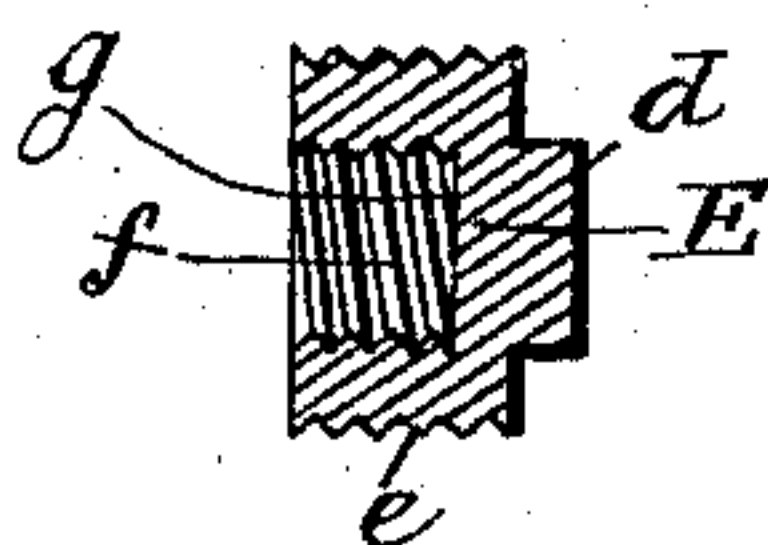


Fig. 3.



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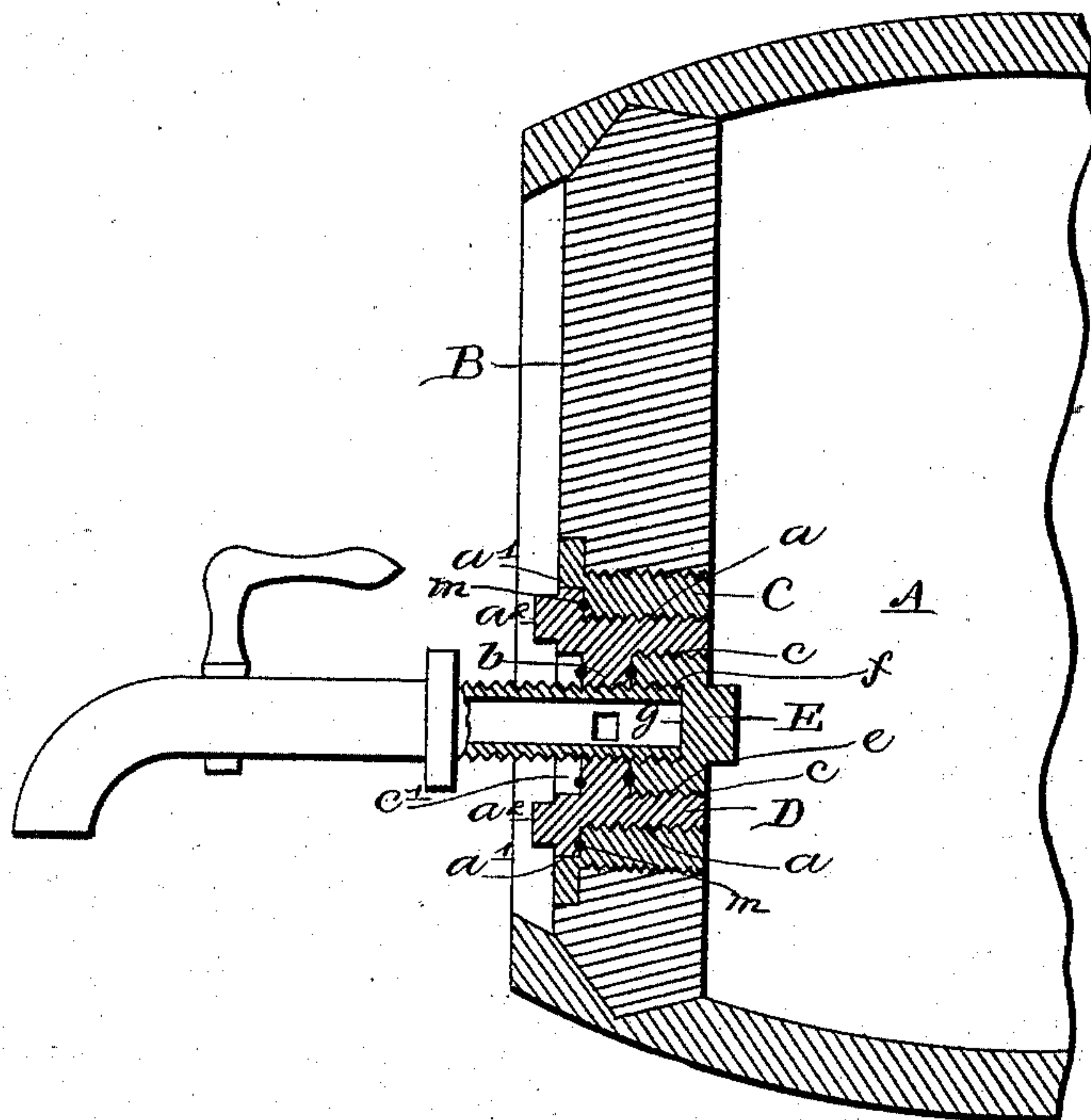


Fig. 5.

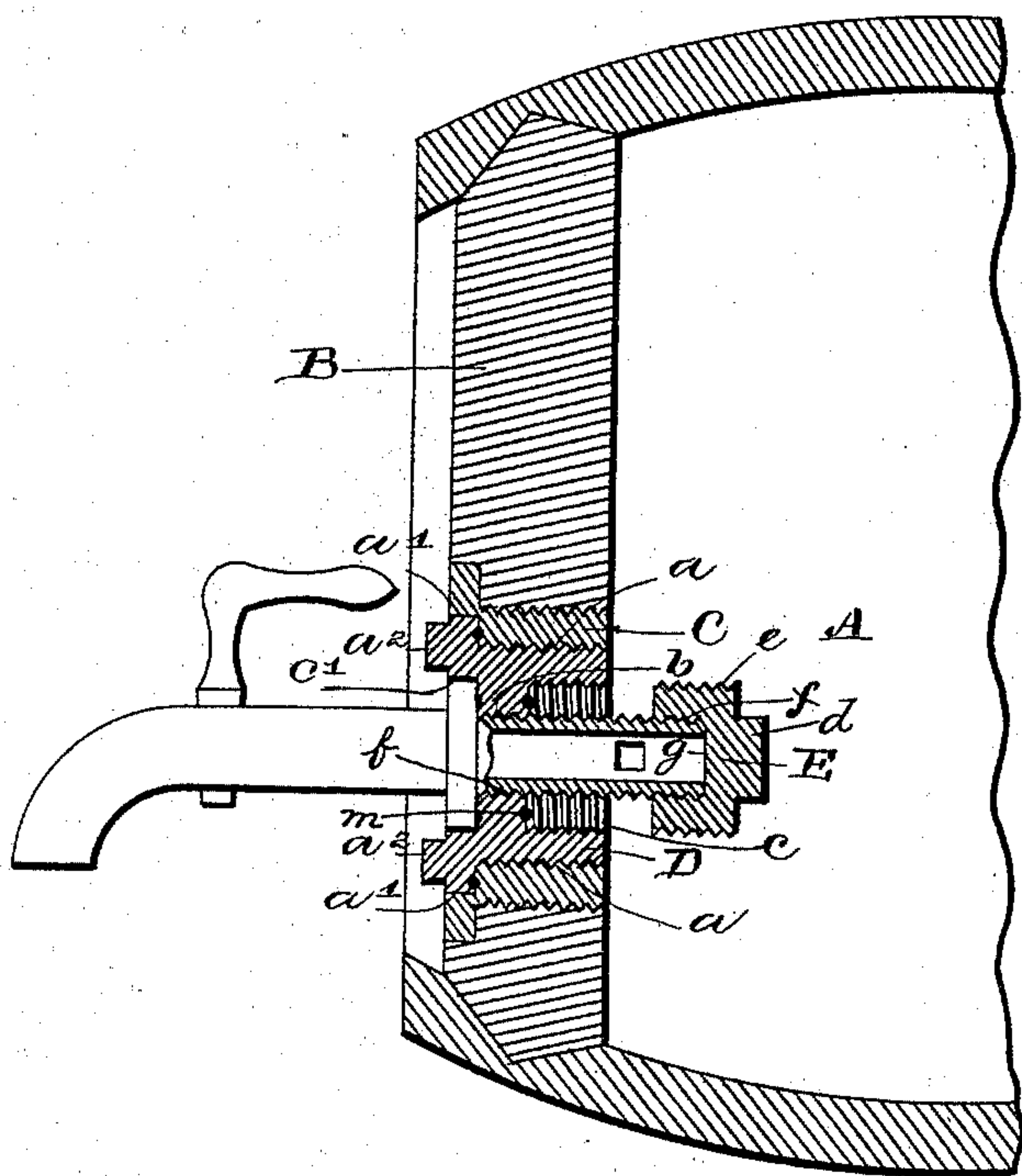


Fig. 6.

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UNITED STATES PATENT OFFICE.

DILLON BEEBE, OF NEWARK, NEW JERSEY, ASSIGNOR TO DILLON BEEBE, JR.,
OF SAME PLACE.

FAUCET AND VENT BUNG AND BUSHING.

SPECIFICATION forming part of Letters Patent No. 495,719, dated April 18, 1893.

Application filed May 23, 1892. Serial No. 434,048. (No model.)

To all whom it may concern:

Be it known that I, DILLON BEEBE, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Faucets and Vent Bungs and Bushings; 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.

My invention relates to an improvement in a faucet and vent bung and bushing to be made of any suitable metallic substance, and be capped, plated or washed to render it non-corrosive or free from rust, and has for its object to provide a bung and bushing which is simple in construction, practically indestructible, and which can be easily adapted to the drawing of wines, ales and beers from casks, kegs and barrels, and which can be continued in use almost indefinitely and by its continued use it proves a great advantage and saving over the bungs and bushings now in use.

This invention accomplishes the same purpose (as my invention for which patent has been applied for under date of May 9, 1892, Serial No. 432,458,) but in an entirely different manner, as the core of the "plug" in this invention is left without a shank in center, which obviates the necessity of an interior screw-thread in the faucet; and the formation of the bung and plug is otherwise different in make, as well as in manner of working, also takes less material to make it. It is also more simple in construction, and less liable to get out of repair, and I therefore claim patent for this, as an improvement.

My invention is illustrated in the accompanying drawings which show the different parts of the bung and bushing placed together and also separately, and in which:—

Figure 1— is a longitudinal sectional view of the bung and bushing placed in a barrel ready for use. Fig. 2— is a detail view in section of the bung; Fig. 3— a similar view of the plug for the same; Fig. 4— a detail sectional view of the bushing, and Fig. 5— a longitudinal sectional view of the bung placed in a barrel with a faucet inserted ready for use; Fig. 6— a similar view showing the plug car-

ried inwardly by the faucet being screwed into the plug so allowing the contents to flow into the faucet.

In the drawings in which like letters of reference denote like parts A represents a barrel or cask having a head B and a suitable bushing C.

D is a bung which is provided on its exterior with screw-threads a , and a flange a' , for the purpose of engaging the screw-threads and annular groove respective on the interior of the said bushing C.

a^2 are lugs projecting from the outer face of the bung to furnish means for grasping and easily unscrewing the same with a wrench or other suitable tool when it is desired to flush or clean the barrel or to tighten the bung, and also to protect from injury the screw-threads in the bung.

The interior of the bung D is provided with an annular screw threaded flange b and an annular screw-threaded recess c , and an annular recess c' in its face.

E is a plug provided on its outer circumference with screw-threads e and on its inner circumference with screw-threads f , said screw-threads f , being on a line with the screw-threads b , and thus form a continuous and unbroken thread from the outer face of the bung D to the inner end (g) of the plug E.

d is a lug formed on the inner face of the plug E for the purpose of furnishing a grasping surface when it is desired to remove or tighten the same.

m , are packing rings made of rubber or other suitable material placed between all abutting surfaces for the purpose of insuring perfect air and water tight joints.

The operation is as follows: The bush is screwed or driven into the keg or barrel, the plug screwed firmly into the bung so making the bung perfectly air and water tight, the bung screwed into the bushing so closing any opening into the barrel and preventing any outlet of its contents. The faucet is then screwed into the bung and so moved forward into the plug until it abuts on the inner upper surface of the plug then by continuing to screw the faucet inwardly it will be seen that it will unscrew the plug until it is completely displaced from the bung, and carrying it along

with it until the inlet hole in the faucet is uncovered and the contents of the keg or barrel are free to run into the faucet and so be drawn or emptied out.

5 To make the explanation as to the working of the bung still more plain it will be seen that when the plug E is screwed into the bung D a continuous right hand interior screw-thread from the top downward is effected thus
10 allowing a faucet with a similar screw-thread on its outer surface to be screwed continuously forward into said bung and said plug until said faucet abuts on the upper inner surface of said plug. The plug is also provided
15 on its exterior annular surface with a right hand screw that screws upward (or outward) into said bung. Now as the plug E screws upward (outward) and its action turns to the right and as a faucet introduced into the bung
20 is screwed downward (inward) into the bung and plug, it will be seen that said plug screwing upward (to the right) and said faucet screwing downward (to the right) the rotary motion of said faucet and said plug is necessarily directly opposite so that a continued
25 rotary motion of said faucet after its abutment on the inner upper surface of said plug it unscrews said plug from said bung and accomplishes the necessary purpose of creating
30 an opening so allowing contents to be drawn. Having described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. The combination with a bung provided on its exterior with screw threads and a flange, 35 and on its interior with an annular screw threaded flange and a screw threaded recess, of a hollow plug interiorly and exteriorly screw threaded, its interior thread being continuous with the interior thread of the flange 40 of the bung when it is in a closed position, substantially as described.

2. The combination with a bung D provided on its exterior with screw-threads *a* and a flange *a'*, and on its face with projections or 45 lugs *a²* and on its interior with an annular screw-threaded flange *b*, a screw-threaded recess *c*, and an annular recess *c'* in its face, of a hollow-plug E provided on its outer circumference with screw-thread *e*, and its inner circumference with screw-threads *f* which are 50 continuous with the interior thread of the bung when it is in a closed position, and on its face with a lug *d*, substantially as described. 55

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

DILLON BEEBE.

Witnesses:

W. H. DOOLITTLE,
R. F. HECK.