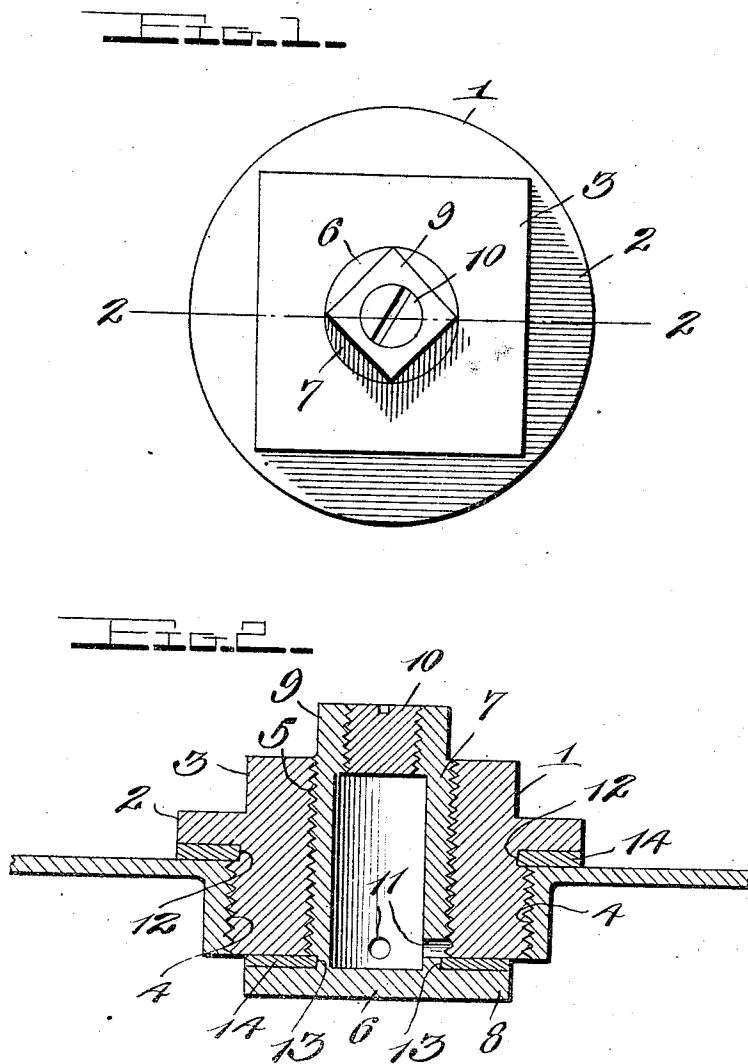


G. KELSEY.  
BARREL BUNG.

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Patented Mar. 11, 1913.



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# UNITED STATES PATENT OFFICE.

GLENN KELSEY, OF KINZUA, PENNSYLVANIA.

BARREL-BUNG.

1,055,473.

Specification of Letters Patent.

Patented Mar. 11, 1913.

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*To all whom it may concern:*

Be it known that I, GLENN KELSEY, a citizen of the United States, residing at Kinzua, in the county of Warren and State of Pennsylvania, have invented certain new and useful Improvements in Barrel-Bungs, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention comprehends certain new and useful improvements in barrel bungs and relates more particularly to that class of bungs having valves or vents for permitting communication with the interior of the barrel or similar receptacle.

15 The object of the invention is to provide a bung of this type, having a centrally positioned plug valve, which particularly adapts the bung for use in relieving and testing the pressure in barrels or similar receptacles containing gasoline, oil or similar fluids with a very small waste of the fluid or gas.

20 The invention also aims to generally improve this type of bungs to render them more efficient and commercially desirable.

25 With these and other objects in view as will be more apparent as the description proceeds the invention consists in certain new constructions and arrangements of parts that shall be hereinafter fully described and claimed.

30 For a full understanding of the invention reference is to be had to the following description and accompanying drawing, in which:—

Figure 1 is a top plan view of my bung; and Fig. 2 is a vertical section.

35 Corresponding and like parts are referred to in the following description and designated in the accompanying drawing by like reference characters.

40 Referring to the drawing by numerals, 1 designates the hollow cylindrical body portion of the bung, having at one end the annular flange 2 and the square head 3. The body is externally threaded at 4 for securing it in the barrel and internally threaded as at 5 for the reception of the plug valve 6. This valve consists of an externally threaded sleeve 7 somewhat longer than the body 1, having its lower end closed by the disk 8 and a square head 9 formed about its upper end. This head is internally threaded 55 to receive the plug 10 which prevents dirt

collecting in the sleeve. The sleeve is pierced at its lower end slightly above the disk 8, with a plurality of transverse openings 11. Grooves 12 and 13 are formed in the body 1 and valve stem 7 respectively and are adapted to receive washers 14.

To operate my improvement, the bung being positioned in the barrel, proceed as follows: When it is desired to completely close the barrel, draw the upper face of the disk 8 65 tightly against the bottom edge of the body 1 by turning the valve with a wrench. This closes the openings 11, shutting off communication from without. By turning the valve backward the disk 8 is removed 70 from contact with the body 1, thus opening the ports 11, so that any excess of pressure within the barrel may escape via said ports and the bore of the sleeve 7, the plug 10 having been previously removed. Similarly 75 when the barrel is to be filled or emptied the valve is opened as previously described so that air may flow out or in as the case may be. To test the pressure in the barrel or other receptacle containing gasoline, oil 80 or other fluids remove the plug 10 and screw a pressure gage into the head 9. Then turn the valve backward opening the ports 11 and allowing the pressure within to act on the gage. Having taken the pressure close the 85 valve, unscrew the gage and insert the plug 10. This test may be made with but a slight loss of gas.

From the foregoing description in connection with the accompanying drawing, it will be seen that I have provided a simple and efficient valved bung which obviates the necessity of removing the bung from the barrel to equalize the pressure within and without and which permits the internal pressure 95 to be easily ascertained.

Having thus described the invention what is claimed is:—

A barrel bung, the combination of a bushing adapted to be detachably secured within 100 a barrel, the said bushing being provided with a threaded bore, a valve member, said valve member comprising a disk plate, a tubular sleeve extending from said plate and formed integral therewith, the outer periphery of said sleeve being threaded and adapted to rest within the threaded bore of the bushing, the free end of said sleeve being squared and extending beyond said bushing, said sleeve having a bore formed therein 110

of reduced diameter adjacent its outer end  
and the said reduced portion being thread-  
ed, a plug adjustably mounted within said  
threaded reduced portion of the bore, a  
5 washer carried by said sleeve and adapted  
to rest upon the inner face of the disk plate,  
and the said sleeve being provided with a  
plurality of apertures communicating with

the bore formed therein, substantially as  
described. 10

In testimony whereof I hereunto affix my  
signature in the presence of two witnesses.  
GLENN KELSEY.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."