

J. J. MADEKSHO.
DRAIN COCK.
APPLICATION FILED SEPT. 7, 1916.

1,254,716.

Patented Jan. 29, 1918.

Fig. 1.

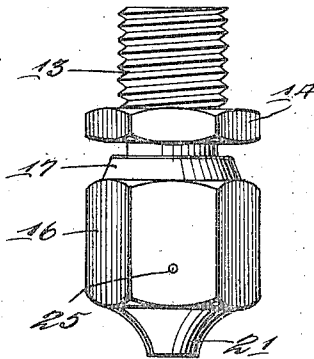


Fig. 4.

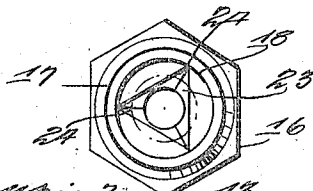


Fig. 3.

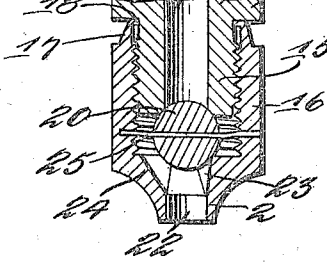
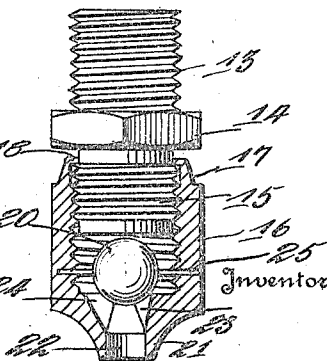


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN J. MADEKSHO, OF CHICAGO, ILLINOIS.

DRAIN-COCK.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN J. MADEKSHO, a subject of the Czar of Russia, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Drain-Cocks, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to drain cocks or valves for waste pipes or tubes and the like, and has for its object the production of a simple and efficient drain cock whereby the same may be manufactured very cheaply, and whereby the drain cock may be efficiently operated for opening and closing the same.

Another object of this invention is the production of a simple and efficient means whereby the draining openings of the drain cock may be kept free from deposits of sediment which might be likely to be lodged upon or around the drain opening.

20 With these and other objects in view, this invention consists of certain novel combinations, constructions and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings:

30 Figure 1 is a side elevation of the drain cock.

Fig. 2 is a side elevation of the supporting tube, the nozzle being shown in vertical section.

35 Fig. 3 is a vertical section taken through a portion of the drain cock.

Fig. 4 is a top plan view of the nozzle.

By referring to the accompanying drawings by numerals it will be seen that a supporting tube 13 is employed having an upper threaded shank and an intermediate hexagonal portion constituting a nut formed thereon. The lower end of this tube 13 is also provided with a threaded neck 15, and 45 this threaded neck is adapted to support a nozzle 16, said nozzle having an upwardly-extending flange 17 being bent inwardly to constitute a retaining flange 18 upon the top thereof, whereby the longitudinal movement

of the nozzle 16 will be limited with respect to the supporting tube 13. This tube 13 is provided with a centrally-located, longitudinally-extending drain aperture 19, and the lower end of this drain aperture 19 is adapted to be closed by means of a ball 20.

55 The nozzle 16 is provided with a depending reduced portion 21 having a centrally-located aperture 22, which aperture communicates with a substantially triangular-shaped socket 23 formed upon the inner face of the nozzle 16. The ball 20 is also adapted to be engaged by the edges of the socket 23, and it should be understood that the points 24 of this socket 23 will allow the drainage to pass down through the discharge aperture or draining aperture 22. This ball 20 is supported upon a spring or flexible wire 25, which wire is secured to the side walls of the nozzle 16, and this wire normally holds the ball out of engagement with the side edges of the triangular-shaped socket 23. However, when it is desired to close the valve, the nozzle 16 is threaded upwardly, thereby causing the ball 20 to fit snugly around the lower edge of the drain aperture 19, thereby entirely closing the drainage point of the drain cock. By having the ball supported in the manner above described, it should be understood that the ball 20 will at all times be in direct position for being seated upon the lower edge of the aperture 19.

What is claimed is:—

A drain cock of the class described comprising a supporting tube, a nozzle threadedly mounted upon said supporting tube, the passage through said nozzle comprising an angularly-shaped socket, a spring in said nozzle, a ball valve mounted upon said spring and normally in valve open position, the ball valve adapted to be engaged by the edges of the socket and moved into position to close the passage through the supporting tube when the nozzle is rotated in one direction.

In testimony whereof I hereunto affix my signature.

JOHN J. MADEKSHO.