No. 847,723. PATENTED MAR. 19. 1907.

B. BERGMANN.

FLUSH VALVE.

APPLICATION FILED MAY 11, 1906.

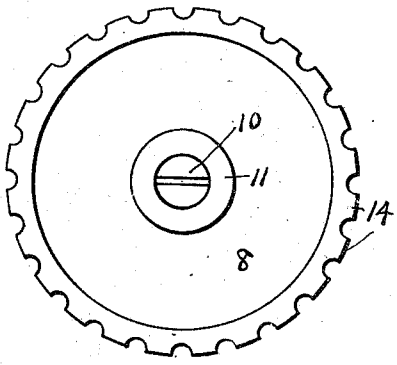


FIG. 1.

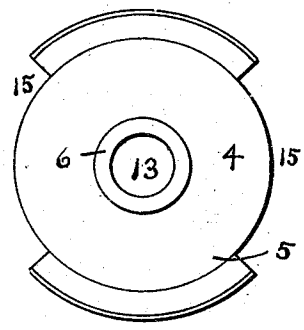


FIG. 2.

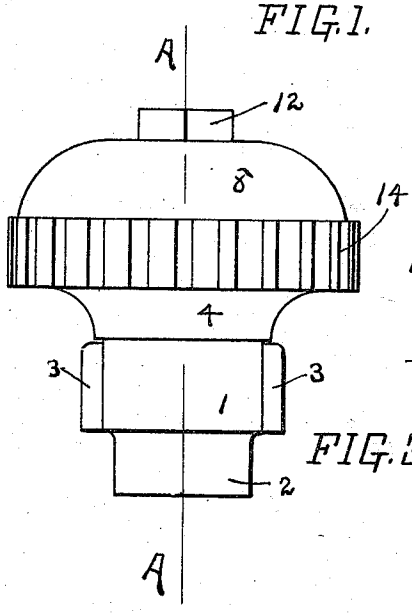


FIG. 3.

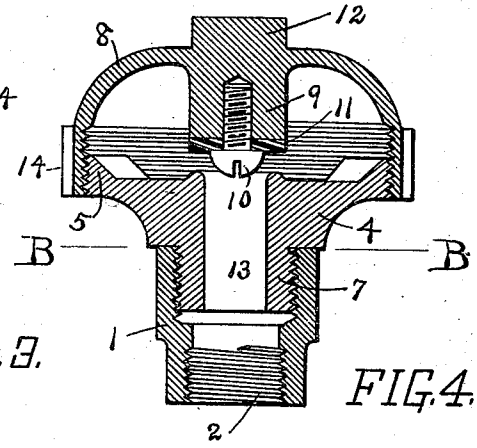


FIG. 4.

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UNITED STATES PATENT OFFICE.

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FLUSH-VALVE.

No. 847,723. Specification of Letters Patent. Patented March 19, 1907.

Application filed May 11, 1906. Serial No. 316,272.

To all whom it may concern:

Be it known that I, BERNARD BERGMANN, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented a new and Improved Flush-Valve, of which the following is a specification.

My invention relates to a valve adapted to be used to flush level or nearly level surfaces, troughs, and other extensive areas where it is necessary to use flush-water frequently and generally to control the flow of water; and the object of my improvement is to provide a valve of this kind that may be secured to the surface of the area to be flushed and which will be of such form and strength as to cause little inconvenience and which will not be readily broken when stepped upon or kicked.

My invention consists of a portion adapted to be secured to the surface to be flushed and a portion to cover the same, the covering portion being adapted to be turned to control the flow of the water.

In the accompanying drawings, Figure 1 is a view of the lower side of the cap. Fig. 2 is a top view of the lower or body portion of the valve. Fig. 3 is a side view of the entire valve. Fig. 4 is a vertical cross-section on the line A A of Fig. 3.

Similar reference characters refer to like parts throughout the several views of the drawings.

The various parts of this device are preferably made of metal and are to be attached to the surface (line B B, Fig. 4) that is to be flushed, the sleeve portion 1 being fastened securely thereto. This portion 1 is in the form of a coupling, the feed-pipe screwing into the lower threaded portion 2 thereof. The lugs or wings 3 prevent this coupling from turning in the floor or pavement.

The body portion of the valve comprises a mutilated threaded portion 5, a valve-seat 6, and a downwardly-extending portion 7, that screws into the coupling or sleeve 1. If desired, these two portions, the body 4 and the sleeve 1, may be made integral The dome-shaped cap 8, provided with interior threads, screws onto the portion 4 and is provided with an interior hub 9, against which the screw 10 holds the valve-disk 11. The cap is corrugated, grooved, or roughened on its outer periphery 14 and is preferably provided with a square projection 12, which may be engaged by a wrench.

When the parts are positioned as in Fig. 4, the flushing-water will pass up through the central passage 13 into the cap and out through the openings 15 in the edge of the disk 5. When the cap is screwed down, the valve-disk, contacting with the seat 6, will stop the flow of the water. The amount of water can be regulated by the position of the cap.

This valve is especially adapted to control the flow of water in the gutter in front of saloon-bars, in watering-troughs, and similar places where a simple and strong device is required.

Having now explained my improvement, what I claim as my invention, and desire to secure by Letters Patent, is—

1. In a flush-valve, the combination of a sleeve provided with threaded ends and lugs to prevent turning; a body portion comprising a mutilated disk having a threaded periphery, a projecting threaded portion adapted to fit said sleeve, and a valve-seat surrounding a central passage; and a dome-shaped cap having a projecting angular portion, a roughened periphery, an interior hub, a valve-disk, and a screw to secure said valve-disk to said hub; said cap having interior threads to engage the threaded portion of the body portion whereby the relative positions of the valve disk and seat may be determined.

2. In a flush-valve, the combination of a body portion comprising a mutilated disk having a threaded periphery, a projecting threaded portion, and a valve-seat surrounding a central passage; and a dome-shaped cap having an interior hub, and a valve-disk on said hub, said cap having interior threads to engage the threaded periphery of the body portion, whereby the relative positions of the valve disk and seat may be determined.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

BERNARD BERGMANN.

Witnesses:

ROBERT MCKINSTRY,

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