J. S. WESTERGREN.

STRAINER FOR DRAIN PIPES.

APPLICATION FILED MAR. 22, 1915.

1,155,852. Patented Oct. 5, 1915.

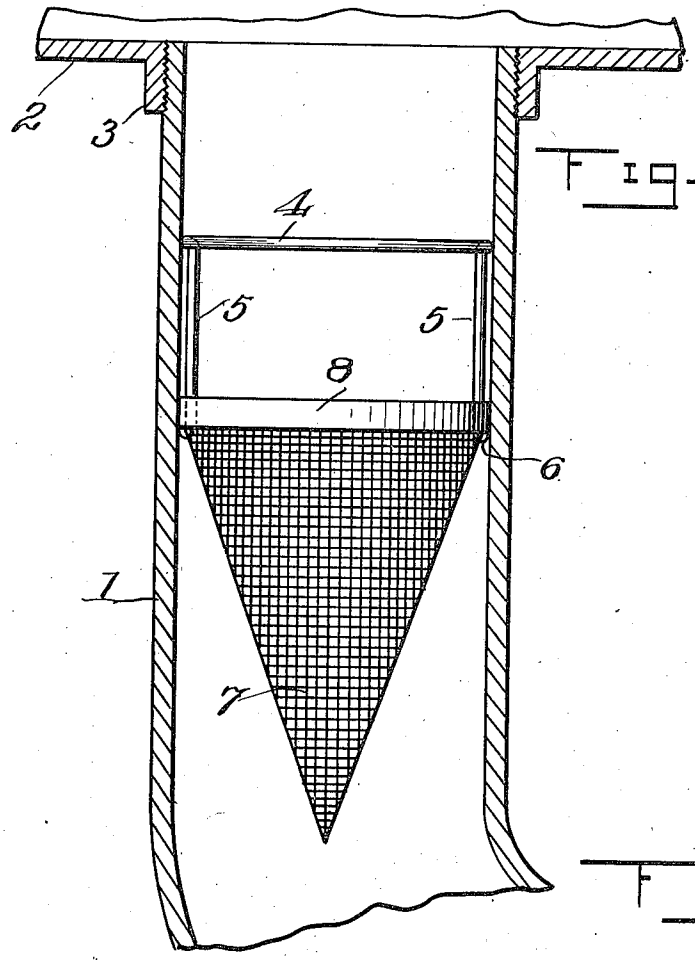


Fig. 1.

Fig. 3.

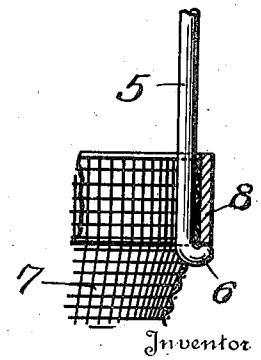
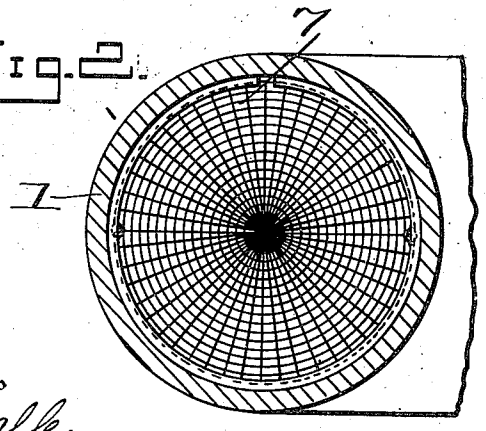


Fig. 2.



Witnesses

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STRAINER FOR DRAIN-PIPES.

1,155,852. Specification of Letters Patent. Patented Oct. 5, 1915.

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To all whom it may concern:

Be it known that I, JULIUS S. WESTERGREN, a citizen of the United States, residing at Chicopee, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Strainers for Drain-Pipes; 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.

This invention comprehends certain new and useful improvements in strainers for drain pipes, and has for its primary object to provide a device of this character which will be of extremely simple and cheap construction and formed in such manner that it may be readily inserted in a drain pipe or removed from the same, and when in position will be snugly engaged with the inner wall of said pipe.

The invention has for another object to generally improve and simplify the construction and operation of devices of this character and increase the efficiency thereof without materially increasing the cost of the same.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a side elevation of my improved strainer in position in a drain pipe of conventional form, the pipe being shown in section, Fig. 2 is a transverse section through the pipe, showing the strainer in top plan view positioned therein, and Fig. 3 is a fragmentary vertical sectional view, through my strainer, showing the manner in which the body of the device is mounted upon the supporting member of the device.

Referring in detail to the drawings by numerals, 1 designates a drain pipe of conventional form which may be secured in any suitable manner in the bottom of a tank 2, as shown at 3.

The supporting member of my device consists in a ring 4 formed of any suitable resilient material and normally expanded for snug engagement with the inner wall of the drain pipe 1 to prevent movement of my device longitudinally of said drain pipe. The supporting member of my device also includes a plurality of suspending legs 5 depending from the ring 4 and preferably spaced from the inner wall of the drain pipe 1. The suspending legs 5 have their lower hook ends 6 turned outwardly for engagement through the upper edge of the body 7 of the strainer proper just below the band 8 secured around the upper edge of the body 7, the hook lower end 6 of the suspending legs 5 serving as stops to limit downward movement of the band 8 which rests upon said hook lower ends 6, and it will be evident that said ends 6 will also prevent upward movement of the band 8 and body 7, as said ends 6 are extended through said body 7.

The band 8 may be formed of any suitable material, preferably thin metal, while the body 7 is in the form of an inverted cone and is preferably formed of wire mesh or other suitable foraminous material, as clearly shown in the drawings.

From the foregoing it will be readily seen that this form of strainer may be easily positioned in a drain pipe of conventional form or removed from the same and thoroughly cleansed and replaced, as desired. It will also be evident that owing to the construction of the parts of the strainer and the manner in which they are connected, the device may be readily and cheaply manufactured and will be highly efficient as well as durable in use.

While the preferred embodiment of the invention has been shown and illustrated, it will be understood that minor changes in the details of construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

What is claimed is:—

1. A device of the class described comprising a cone-shaped body formed and constructed of a foraminous material, a band around the large end of said body, a plurality of supporting legs having curved hooked ends secured under said band and through said foraminous body for supporting the same, a resilient band secured around the free ends of said legs adapted to engage the inner wall of the drain pipe for supporting said cone in position therein.

2. A device of the class described com-

prising a band formed of resilient material, a plurality of relatively spaced legs secured to said band and depending downwardly therefrom, the lower terminals of said legs curved outwardly, a cone-shaped strainer formed of foraminous material and having a band secured around its upper enlarged end adapted to be engaged, the hooked ends of the legs supporting the same, said resilient band of the supporting legs adapted to support said strainer in a drain pipe for engaging the inner wall of the same.

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

JULIUS S. WESTERGREN.

Witnesses:

PHILIP BISSON,

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