Sept. 2, 1941. J. L. KRIEG 2,254,534

FLEXIBLE CABLE CONTAINER

Filed Nov. 16, 1938

FIG. 1

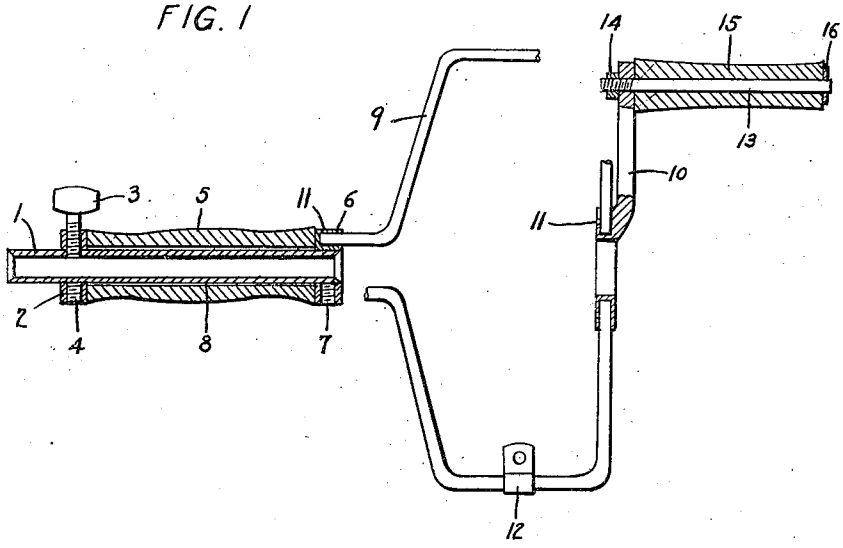


FIG. 2

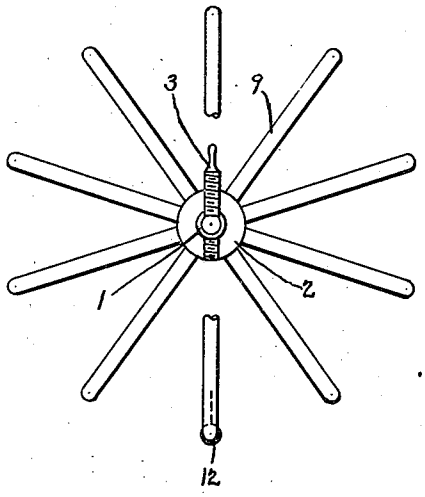
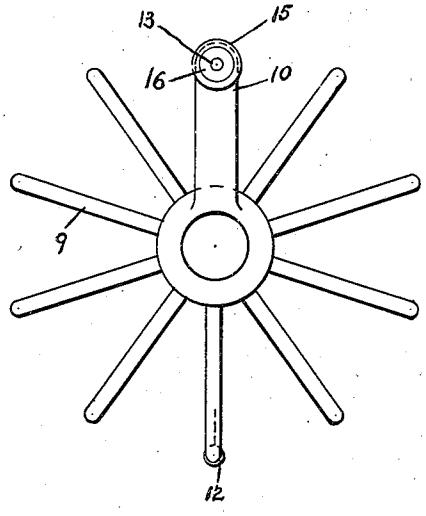


FIG. 3



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FLEXIBLE CABLE CONTAINER

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2 Claims. (Cl. 15—104.30)

This invention relates to a container. This container is to hold a flexible cable of the type used in removing obstructions from the drainage systems of sinks, lavatories, bathtubs, and floor drains.

The main object of the invention is to provide a container of the above mentioned character with an open framework to simplify cleaning the container and flexible cable after they have been used in their particular work.

A further object of the invention is to provide a flexible cable container of the above mentioned character which is simple and durable in construction, reliable and efficient in use, inexpensive to manufacture and requires no particular technical skill to operate.

In the drawing, forming a part of this specification, like numerals are employed to designate like parts throughout the same,

Fig. 1 is a side cross section of the container in its entirety.

Fig. 2 is a left end view as viewed in Fig. 1.

Fig. 3 is a right end view as viewed in Fig. 1.

In the drawing, wherein for the purpose of illustration, I have shown a preferred embodiment of my invention, the numeral 1 denotes a pipe of sufficient diameter to permit various sizes of flexible cable to pass through it. A collar 2 is mounted on pipe 1 near the left end. A thumb-screw 3 is threaded in collar 2 and through pipe 1 to hold cable. A set-screw 4 is threaded in collar 2 and engages pipe 1. A collar 6 is located on right end of pipe 1. A set-screw 7 is threaded through collar 6 and setting on pipe 1. A rotating handle 5 with a brass lining 8 rotates around pipe 1 and between collars 2 and 6.

A group of U shaped container rods 9 are provided with one end bent outward. These rods are undercut at each end where they fit in collar 6 and crank casting 10. The indentations 11 in collar 6 and crank casting 10 show where the metal has been pressed through into the undercut part on both ends of the rods 9 thus forming a sturdy open framework container. The rods 9 could also be welded to collar 6 and crank casting 10. A clip 12 located on one rod 9 holds dead end of the cable in place.

The inner end of crank casting 10 in which one end of the rods 9 are fastened has a hole in the center to further this flexible cable container's open framework structure. The outer end of crank casting 10 has a threaded hole for pin 13. Pin 13 is locked to crank casting 10 by nut 14. Crank handle 15 rotates on pin 13 and is held on by washer 16. Pin 13 is then riveted over washer 16.

In use, the operator may pull the desired length of flexible cable from the container, insert the flexible cable into the clogged drain, tighten thumb-screw 3 onto cable, then grasp rotating handles 5 and 15 and swing handle 15 around in a clockwise or counter-clockwise motion thus rotating the flexible cable in the clogged drain. After using, the cable may be pushed back into the open framework container and cleansed by holding the container under a faucet or dipping in a receptacle containing water or any other cleansing liquid.

It is to be understood that the form of my invention herein shown and described is to be taken as a preferred example of the device and that certain changes in the shape, size and arrangement of the parts may be made without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. In a flexible cable container, a collar with outwardly bowed rods fastened thereto, means to manually rotate the collar, projecting laterally from said collar, the opposite ends of foresaid rods being fastened into another collar mounted and fastened on a pipe, said pipe having a revolvable handle mounted thereon, said pipe having another collar mounted and fastened near the pipe's outer end, a hole through said collar and pipe having internal threads having a set-screw mounted therein.

2. A flexible cable container comprising a cage formed from a plurality of angularly disposed outwardly bowed rods rigidly interconnected at their opposite ends, an open ended tube projecting axially from one end of said cage, and means for manually rotating said cage positioned eccentrically at the opposite end of said cage.

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