W. C. REDING.

MOPPING DEVICE.

APPLICATION FILED JUNE 25, 1915.

1,167,315.

Patented Jan. 4, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

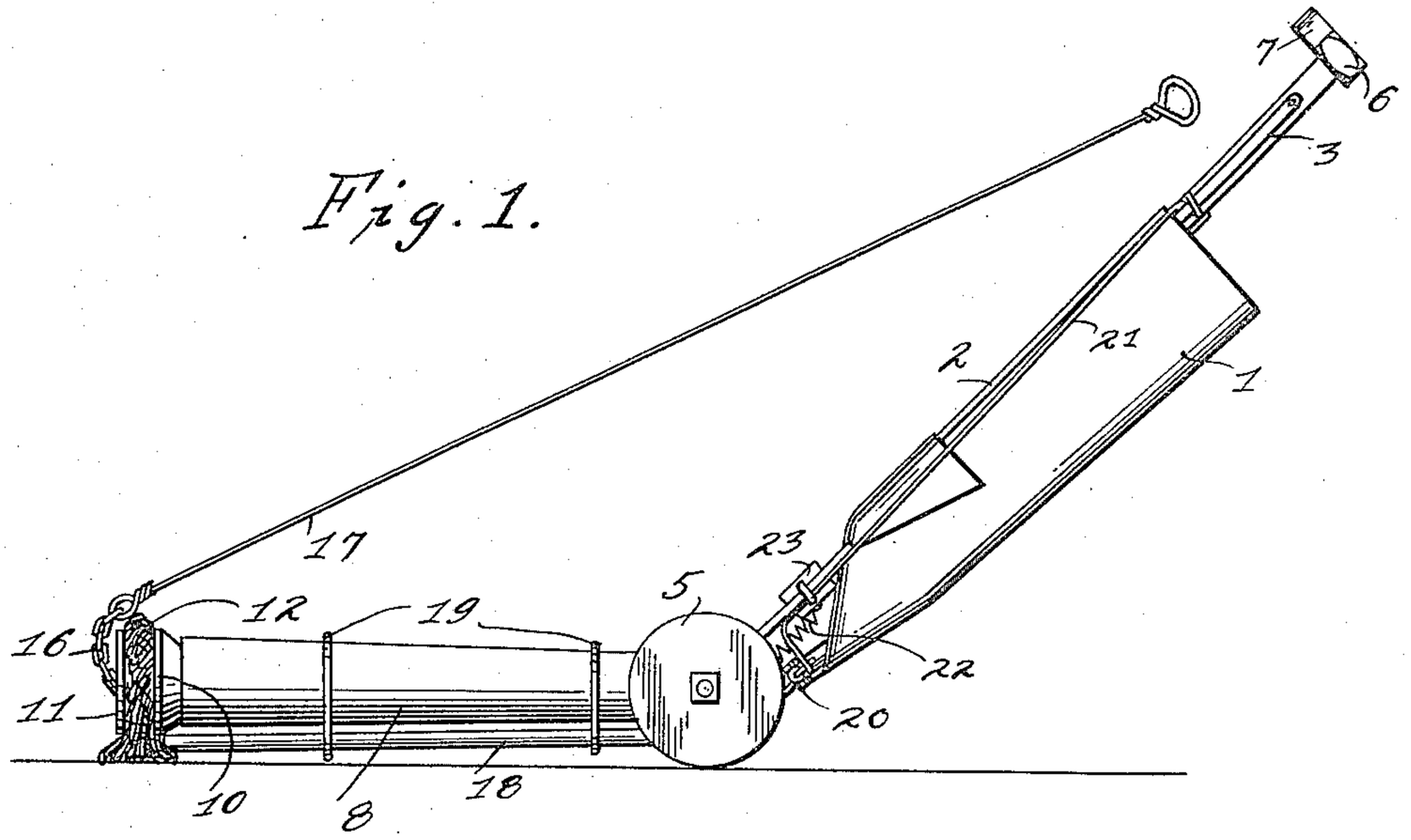


Fig. 3.

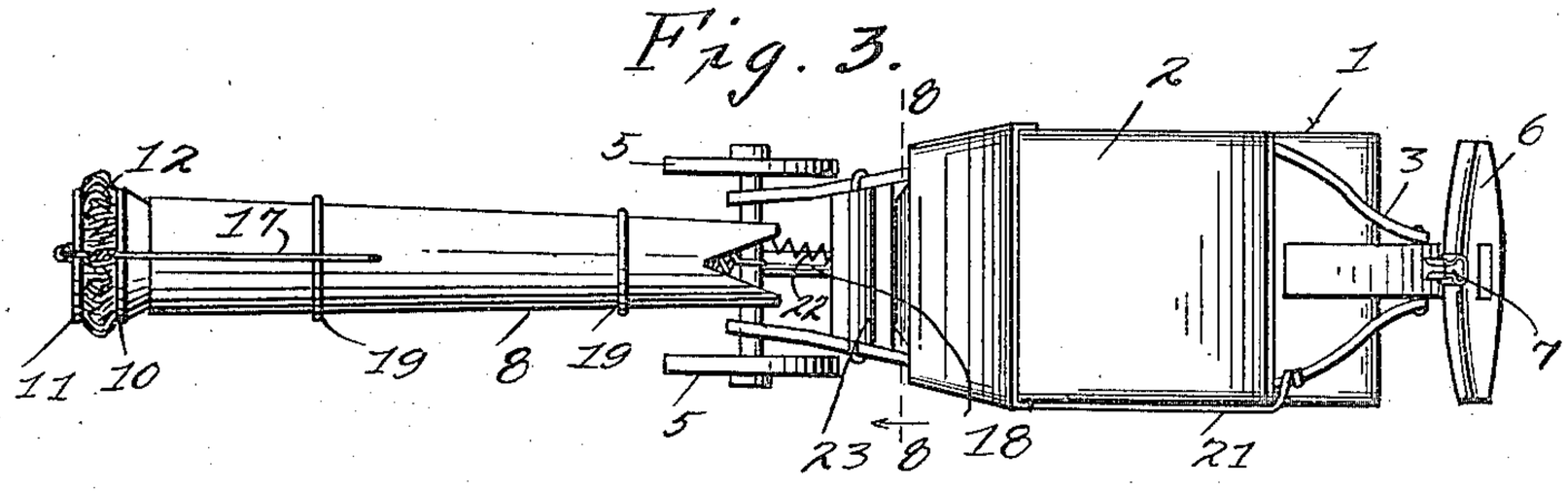


Fig. 7.

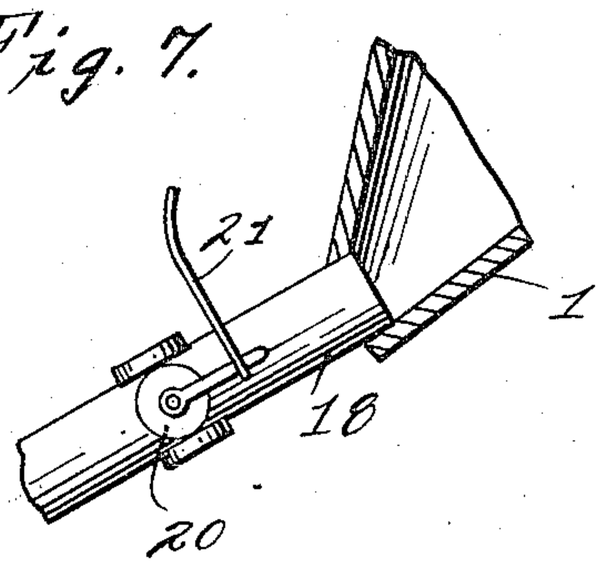
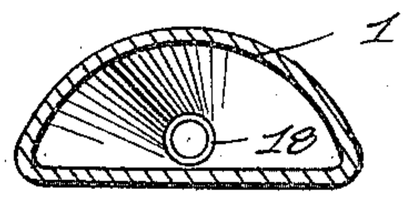


Fig. 8.



Witnesses

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2 SHEETS—SHEET 2.

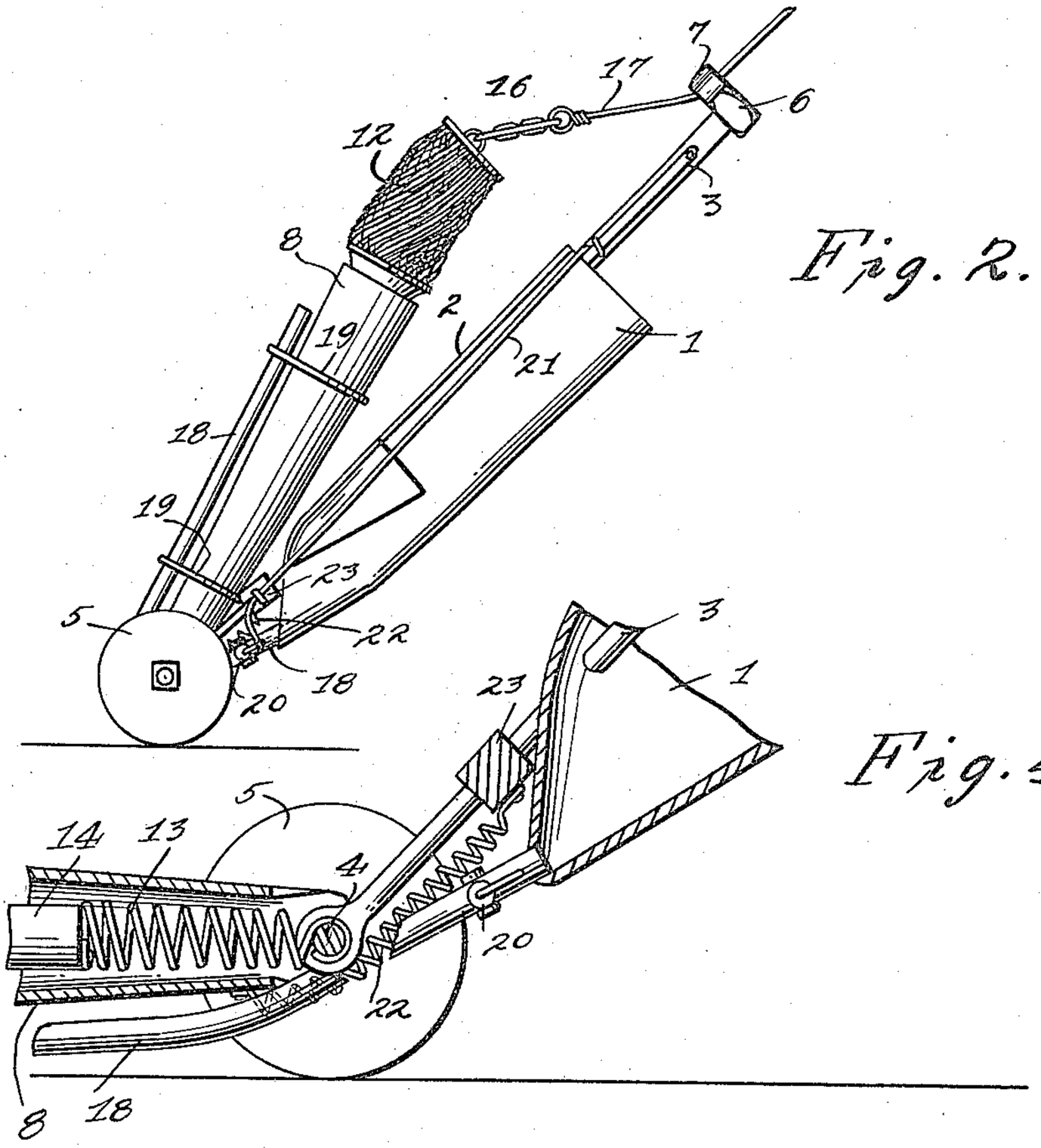


Fig. 2.

Fig. 4.

Fig. 5.

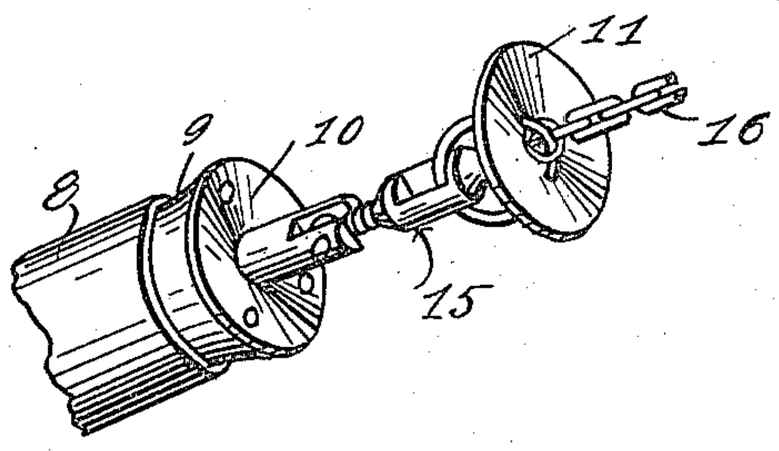
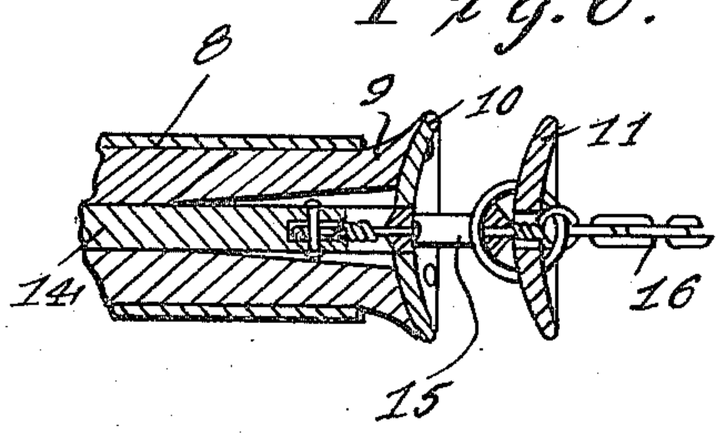


Fig. 6.



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MOPPING DEVICE.

1,167,315. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed June 25, 1915. Serial No. 36,325.

To all whom it may concern:

Be it known that I, WILLIAM C. REDING, a citizen of the United States, residing at Greenwood, in the county of Sebastian, State of Arkansas, have invented certain new and useful Improvements in Mopping Devices; 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 relates to a mopping device.

An object of the invention resides in the provision of a device of this character in which water is automatically fed to the mop member.

A further object of the invention resides in so constructing the device that the flow of water may be controlled by the operator.

A still further object of the invention resides in so constructing the device that the mop may be drawn into a position over the water reservoir and wrung.

With these and other objects in view, such as will appear as the description progresses, my invention comprises the combination and arrangement of parts as set forth in and falling within the scope of the appended claims.

Referring to the drawing: Figure 1 is a side elevation of my device with the mop in its operative position. Fig. 2 is a similar view with the mop in position to be wrung. Fig. 3 is a top plan view. Fig. 4 is a longitudinal sectional view. Fig. 5 is a fragmental detail showing the manner of attaching the mop to its supporting member. Fig. 6 is a fragmental sectional view of the same. Fig. 7 is a fragmental detail of the water controlling means. Fig. 8 is a sectional view on line 8—8 of Fig. 3.

Referring to the drawing wherein like parts are indicated by like characters throughout the several views:—In the embodiment of my invention shown in the drawing, I have provided a water reservoir 1 which has a sliding cover 2 and is mounted on a frame 3 on the forward end of which is a shaft 4. On this shaft 4 wheels 5 are mounted. Secured to the rear of the water reservoir 1 and supported by the frame 3 is a handle 6 on which is a spring clip 7, the purpose of which will later appear. Pivotally mounted on the shaft 4 is a tubular member 8 having a concaved socket member 9 on one end thereof to which is secured a flexible plate 10. Bearing against this plate 10 is a second similar plate 11 and secured to these plates 10 and 11 is a mop member 12 which is mounted in the manner shown in Fig. 2 of the drawing. These plates 10 and 11 are normally maintained in contact by a spring 13 which is secured at one of its ends to a rod 14 within the member 8 and is connected at its other end to the shaft 4. The rod is connected to the plate 11 by means of a swivel 15. The mop is thus normally maintained in an operative position such as shown in Fig. 1 of the drawing.

In order that the mop may be drawn to a position over the water reservoir 1 and wrung, I have connected a short chain 16 to the swivel 15 and an operating handle 17 to the chain 16 which extends back over the water reservoir. In order that the mop may be continuously supplied with water, I have provided a flexible water tube 18 which is connected to one end of the reservoir 1 and extends along the under side of the member 8 and is mounted thereon by means of clips 19. The forward end of this tube 18 terminates adjacent the mop so that the water flowing therefrom will be taken up by the said mop. In order that this flow of water may be controlled by the operator, I have provided a valve 20 on the tube 18 which is controlled by means of a rod 21 which extends to a point adjacent the handle 6 within reach of the operator. In order that the mop member and the supporting member 8 therefor may be returned to their initial positions after the mop has been wrung, I have secured a spring 22 to the member 8 at one of its ends and to a cross bar 23 on the frame 3 at its other end.

In operating the device the reservoir is filled with water and the parts will be in the positions shown in Fig. 1 of the drawing. The valve 20 may then be actuated by means of the rod 21 to allow a definite amount of water to flow to the mop member. The device may then be pushed across the floor, the mop being in contact therewith and the floor will be cleaned. When it is desired to wring the mop it is only necessary for the operator to open the water reservoir and to draw the member 8 together with the mop thereon upwardly against the tension of the spring 22 by means of the rod 17. Further force applied to the rod 17 will draw the

plate 11 away from the plate 10 and will stretch the mop member. The rod 17 may then be rotated which will twist the mop and wring the water therefrom into the water reservoir. The rod 17 will at this time be engaged by the catch 7 on the handle 6. When the rod 17 is released the plates 10 and 11 will assume their initial relation and the spring 22 will cause the mop and its supporting member 8 to be swung to their initial positions at which time the device will be again ready for operation. It is of course to be understood that during this wringing operation the valve 20 will be caused to prevent the flow of water to the mop.

While I have illustrated and described a particular embodiment of my invention, I have merely done so for the sake of convenience and I do not wish to be limited to that particular embodiment as it is obvious that numerous changes may be made within the details of construction thereof without in any way departing from the spirit of the invention or exceeding the scope of the appended claims.

What I claim is:—

1. In a mopping device, the combination with a water reservoir, of a frame for supporting the same, a mop holding member having a mop on the end thereof pivotally mounted on said frame and constructed and arranged to swing over the water reservoir and means for wringing the mop.

2. In a mopping device, the combination with a water reservoir, of a frame for supporting the same, a mop carrying member pivotally mounted on said frame, means for securing a mop thereto, a rod for operating said member to swing the mop above the water reservoir, and means for returning the said member to its initial position.

3. In a mopping device, the combination with a water reservoir, of a mop carrying member pivotally mounted on the end of said member, means for actuating the member to draw the mop over the water reservoir, the said means being thereafter operable to wring the mop, a tube leading from the said water reservoir to the mop and means for controlling the flow of water through said tube.

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

WILLIAM C. READING.

Witnesses:

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A. F. JOHNSTON.