

G. BRENNER.

MOP WRINGER.

APPLICATION FILED MAY 1, 1908.

910,779.

Patented Jan. 26, 1909.

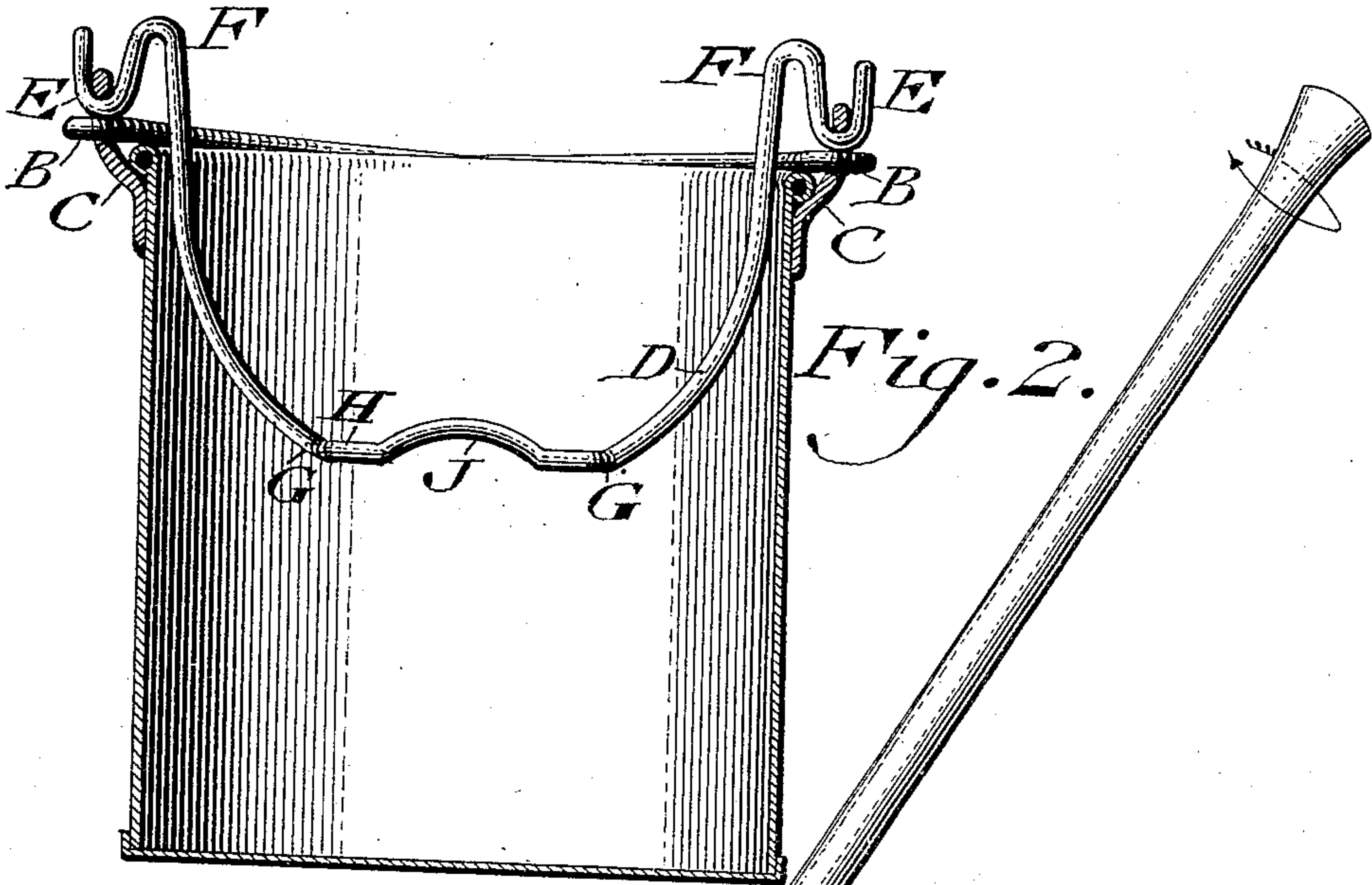


Fig. 2.

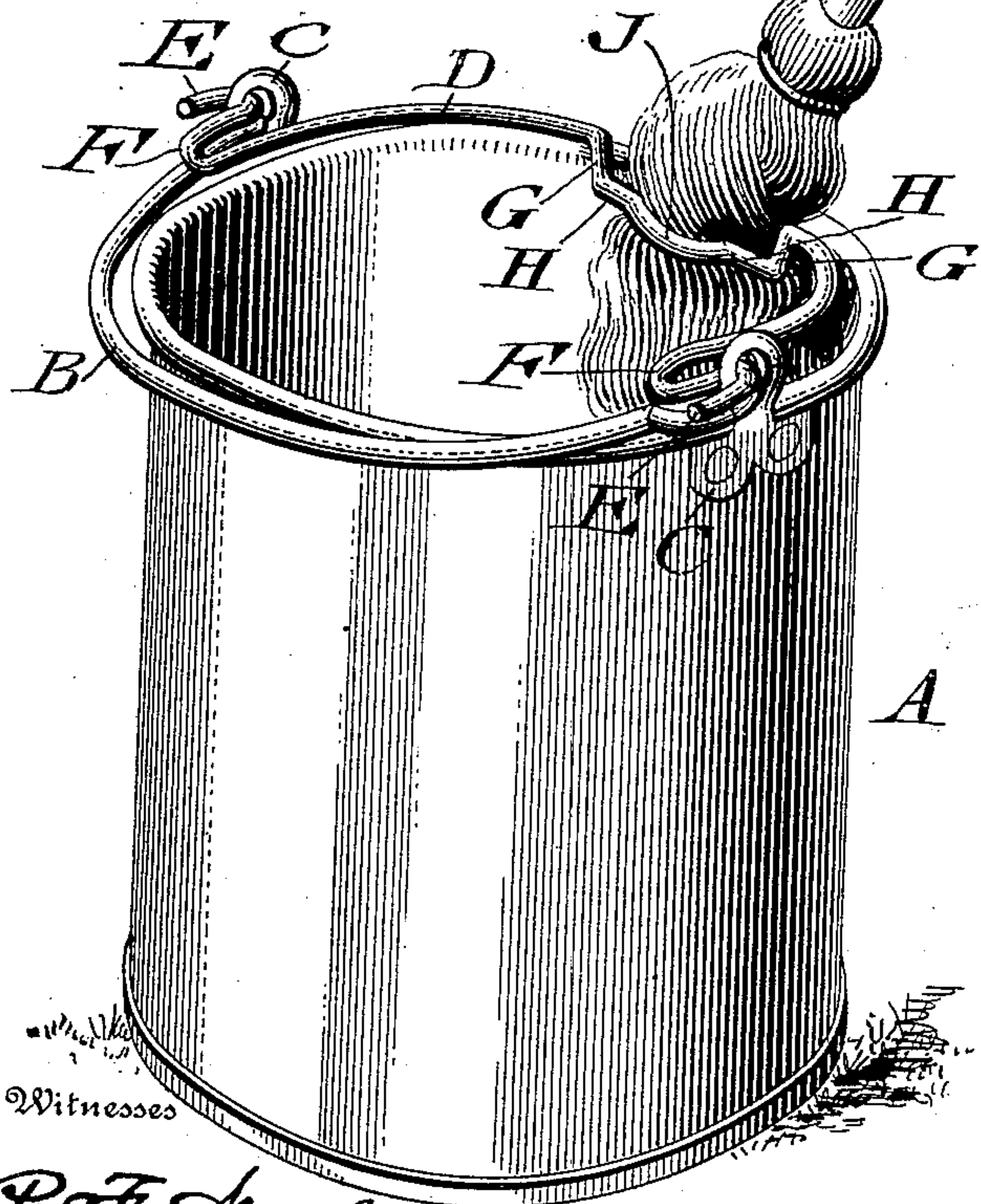


Fig. 1.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## MOP-WRINGER.

No. 910,779.

Specification of Letters Patent.

Patented Jan. 26, 1909.

Application filed May 1, 1908. Serial No. 430,338.

*To all whom it may concern:*

Be it known that I, GEORGE BRENNER, a citizen of the United States, residing at Belleville, county of St. Clair, State of Illinois, have invented a new and useful Mop-Wringer, of which the following is a specification.

My invention consists of a mop wringer, which is composed of a bail adapted to be mounted in a pail, tub, bucket or other vessel and manipulated so as to hold the mop between the same and the side of said vessel, when the mop may be rotated and twisted, while being subjected to pressure, whereby fluid will be effectively squeezed from the same, as will be hereinafter more fully described.

For the purpose of explaining my invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of a mop wringer embodying my invention. Fig. 2 represents a vertical section thereof.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawing:—A designates a pail or bucket, the same having a handle B, and ears C in which the axial ends of said handle are mounted as usual.

D designates a swinging bail, which is composed of a piece of material, preferably wire, partly of circular form, its ends forming the axes E, which are mounted in the ears C, and the adjacent portions being turned upwardly forming finger-pieces F, the main body hanging into the bucket in the primary position of the bail and being adapted to approach the inner side of the bucket when said bail is raised.

It will now be seen that when the mop is inserted in water or other fluid in the bucket, and worked therein as usual, it is raised to the side of the bucket near the upper portion thereof. Then a piece F is pressed downwardly by the hand or foot if desired, whereby the bail is elevated and its central portion engages the mop and holds the same against the bucket. The mop is then rotated as it is held between the engaging parts and twisted, whereby the fluid is wrung or expressed

therefrom in a practical and effective manner. In order to retain the mop in desired position during the aforesaid manipulation, the central portion of the bail is offset by the limbs G forming the cross-bar H, in which is a deflection or bend which forms the depression J, in which the mop is received and whose wall somewhat embraces the latter, so that while the mop may be freely rotated in said depression, it is prevented from lateral displacement or slipping, the effect of which is evident. Overturning of the bail in upward direction is prevented by the abutment of the pieces F as stops against the pivotal ends of the handle when the latter is in operative condition. When the mop is drawn out from the bail to full extent, the hand or foot is removed from the piece F, when the bail is let go and so drops into the bucket, occupying its normal position therein. The matter that is removed from the mop returns into the bucket without splashing or slopping.

As the bail is removable from the bucket, and preferably elastic or flexible, it may be readily applied to the ears C of other existing buckets by pressing its ends towards each other, thus contracting the length of the body of the bail, when said ends which are somewhat of hook-form may be sprung into said ears so as to retain their position in the latter, when the bail is axially mounted on the bucket and adapted to be swung up and down as previously stated.

When the bail is in operation, the extent of wringing of the mop, or more properly the material constituting the mop head, may be adjusted by the extent of downward pressure on the pieces F, the extreme upward motion of the bail being limited by contact of said pieces with the pivotal ends of the handle, when the latter is in lowered position, upwardly overturning of the bail then being prevented, as hereinbefore stated.

When the bail engages with the mop head, the latter is clamped by the former against the bucket, and so the bucket may be shifted from place to place, lifted and carried by the mop, it being evident that the bail wedges against the mop head due to the upward motion of the latter when the mop is raised.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A vessel and a mop wringer mounted



thereon and pendent from the upper edge thereof to swing downwardly thereinto and movable upward within the vessel toward the inner side of the same and having means  
5 extended outward beyond its axes forming stops.

2. In a mop wringer, a bail having its ends forming axes adapted to be pivotally mounted on a vessel, and its body having offsets  
10 and a mop-receiving depression and adapted to hang into the latter and raised towards the inner side of the same and provided with an operating member whereby its raising may be effected.

15 3. In a mop wringer, a swinging bail having axes on the ends thereof, a body having offsets and a mop-receiving depression and a member on the body in the plane thereof adjacent to said axes adapted to raise said  
20 body into a horizontal position.

4. In a mop wringer, a bail mounted to hang within a vessel on which it is mounted and constructed to be raised to the inner

side of said vessel, said bail being flexible and provided with means limiting the upward movement of said bail. 25

5. A mop wringer composed of a vessel provided with a handle, and a bail adapted to hang normally in said vessel and to be raised to the inner side thereof, said vessel  
30 having ears forming a common mounting for said handle and bail and the bail being upturned with the upturned portions cooperating with the said handle to prevent overturning of the bail in an upward direction. 35

6. In a mop wringer, a bail having axes at its ends, finger pieces adjacent said axes, a cross portion near its center with offsets at the ends thereof, and a depression between  
40 said offsets.

GEORGE BRENNER.

Witnesses:

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