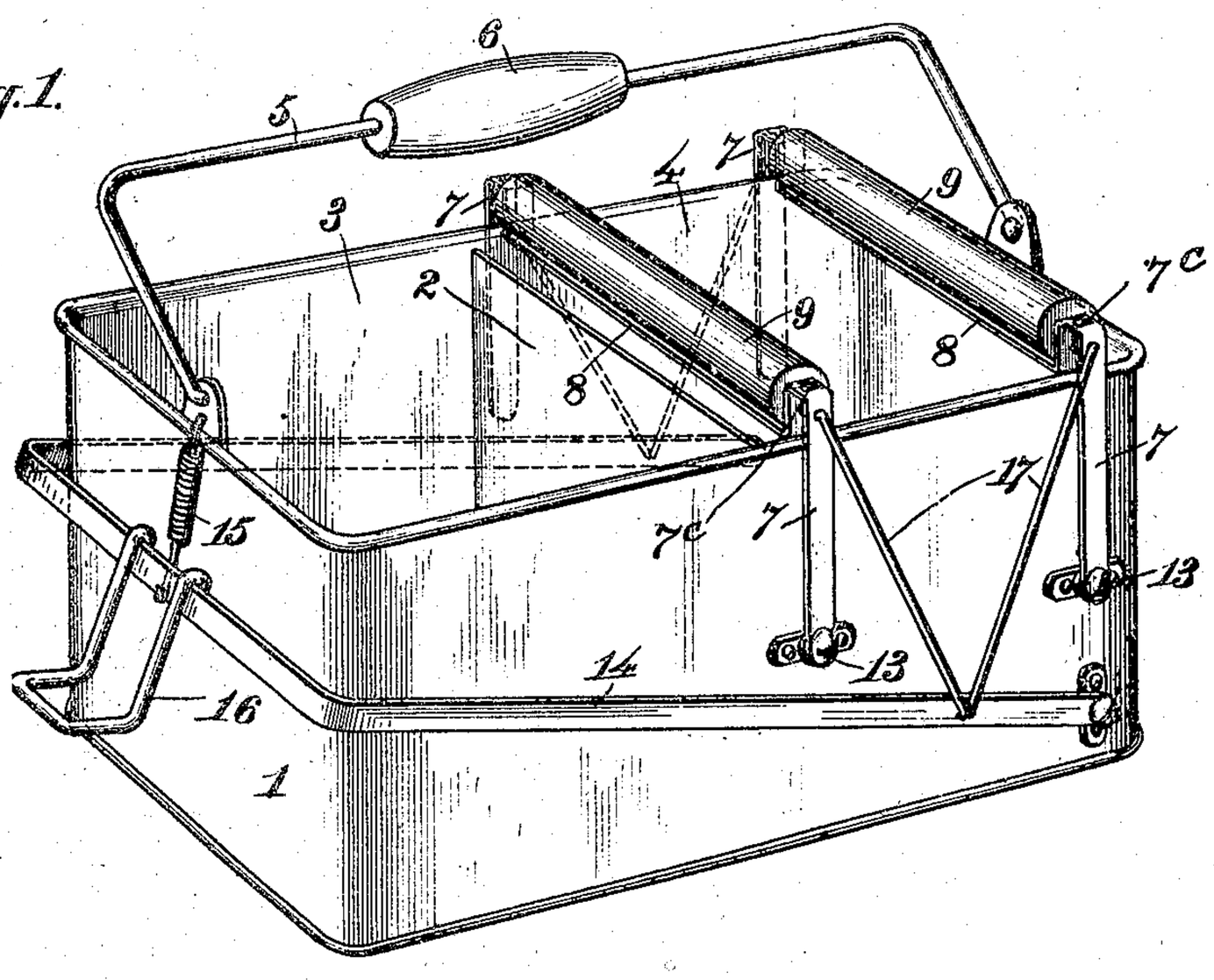
S. M. SCHAEFLE.

MOP WRINGER.

APPLICATION FILED JUNE 21, 1907.

900,430. Patented Oct. 6, 1908.

Fig. 1.



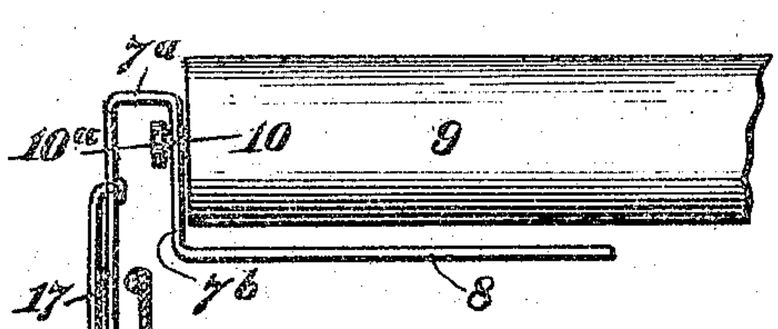
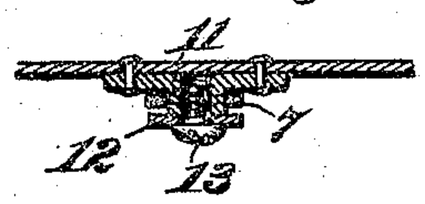


Fig. 2.

Fig. 5.



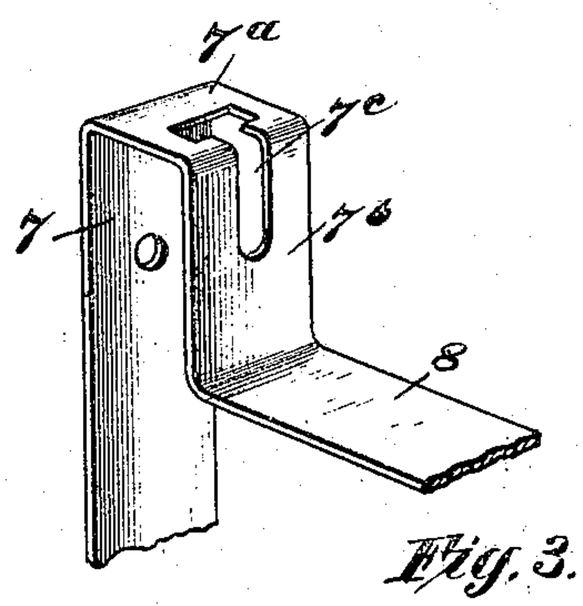


Fig. 3.

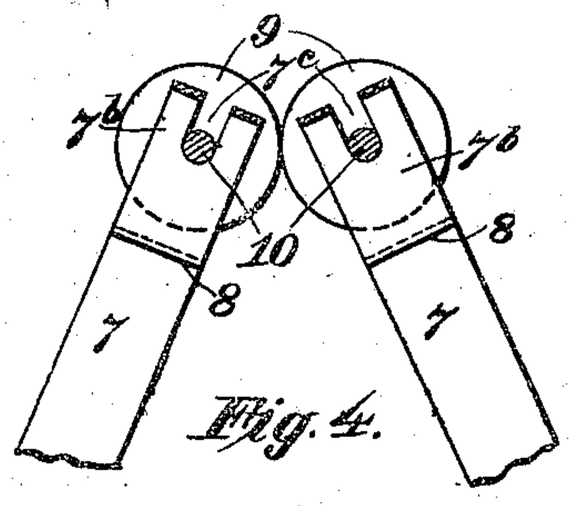


Fig. 4.

Witnesses:
H. S. Austin.
F. E. Sheehy

Inventor:
Simon M. Schaefle,
by
Joshua R. A. Potts
Atty.

UNITED STATES PATENT OFFICE.

SIMON M. SCHAEFLE, OF NAPERVILLE, ILLINOIS.

MOP-WRINGER.

No. 900,430. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed June 21, 1907. Serial No. 380,054.

To all whom it may concern:

Be it known that I, SIMON M. SCHAEFLE, a citizen of the United States, residing at Naperville, Illinois, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a specification.

My invention relates to mop wringing apparatus and particularly to mop wringers which are attached to a pail.

The object of my invention is to provide a mop wringing apparatus of such improved construction that the soiled water as it is wrung from the mop shall not pass back into the clean water, thus avoiding a frequent change of water; to provide a mop wringer wherein the rollers may be pressed together to any desired degree in order to leave any desired amount of water in the mop; to provide a wringer wherein the rollers will exert uniform pressure upon the mop, throughout their length.

A further object is to provide a wringer, as mentioned which shall be strong and durable, and of low cost to manufacture; and which shall be of such simple construction as not to readily get out order.

Further objects will appear hereinafter.

With these objects in view, my invention consists generally in an elongated, partitioned pail, a pair of rigid yokes pivotally secured thereto, rollers mounted in said yokes and above one compartment of the pail, and means for operating said yokes to move said rollers toward and from each other.

My invention further consists in various novel constructions and arrangements of parts all as will be fully described hereinafter, and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which,

Figure 1 is a perspective view of a mop wringer and a pail embodying my invention in its preferred form, Fig. 2 is a detail view of one side of one of the yokes together with a roller, Fig. 3 is a detail perspective view of one end of a yoke, illustrating a bearing therein for a gudgeon of the roller, Fig. 4 is a diagrammatic view of the upper ends of the yokes and the rollers, and Fig. 5 is a detail section on the line, *x*—*x* of Fig. 2.

Referring to the drawings, 1 indicates the pail. This is preferably an elongated, rectangular receptacle divided by a partition, 2, into two compartments, 3 and 4. The compartment 3, is designed to hold the clean water, and the wringer proper is arranged above the compartment, 4, in order that the soiled water which is wrung from the mop, will pass therein and not mingle with the clean water, in compartment, 3. 5 indicates the bail and 6, the handle thereon.

The wringer proper comprises a pair of yokes pivotally connected to the pail, rollers mounted in the upper ends of said yokes, a foot operated lever, also pivoted to said pail and links connecting said lever with said yokes. The yokes comprise vertical end or lever portions, 7, and a cross bar portion, 8, and are each formed of a single strip of flat bar steel or malleable iron, making a rigid member. The end portions, 7, extends some distance above the top of the pail, and is then bent inwardly and downwardly as at 7^a, 7^b, respectively and the roller, 9 is mounted between the portions, 7^b which are slotted as shown at 7^c in Fig. 3, to receive the gudgeons, 10. This construction permits of the rollers being placed quite low or near the top of the pail or even inside, as the side of the pail is arranged between the portions 7, 7^b, and the offset portion, 7^a being high enough to permit ample swing of the yokes. The gudgeons, 10 are preferably provided with heads 10^a to prevent frictional contact between the ends of the rollers and the portions, 7^b. It is obvious that the rollers may be readily lifted off of the yokes for the purpose of cleaning or repair. However, they will not be accidentally dislodged when in use, as the slots, 7^c will be inclined as shown in Fig. 4 and the gudgeons will be pressed back into the bottom thereof. The lower end of the lever members, 7, are journaled upon studs 11, soldered or riveted to the sides of the pail, and are held upon the studs by washers, 12 and screws, 13.

Pivoted to the sides of the pail, near the bottom thereof is an operating lever, 14, normally held in elevated position by a spring, 15, and adapted to be depressed by the foot. 16 indicates the foot piece. This is preferably made of a metal rod bent into the shape shown but it is obvious that the lever, 14, may be shaped to form a foot peice, or a plate may be attached thereto, for this purpose.

Connecting each of the side yokes, with the lever, 14, are a pair of rods, 17. These rods are preferably connected near the upper ends

of the portions, 7, of the yokes, and when the lever, 14, is depressed, draw the rollers together by swinging the yokes upon their pivots.

It is obvious that various modifications of my invention may be made without departing from the spirit thereof, hence I do not limit myself to the precise structure shown and described.

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

1. An elongated pail, in combination with a pair of rigid yokes pivotally connected to the sides of said pail, each of said yokes comprising a pair of lever portions extending above the level of the top of the pail, and then bent downwardly within the pail and a cross member connecting the ends of the downwardly extending portions, said downwardly extending portions being slotted, a roller having gudgeons mounted in said slots and means operable to move said rollers toward and from each other, substantially as described.

2. A pail having parallel sides in combination with a pair of rigid yokes pivotally connected to said sides and each comprising vertical end members extending above the upper edges of said sides, inwardly extending offset portions, depending portions extending into said pail, and an integral cross-bar portion connecting the ends of said depending portions, a roller mounted in each of said yokes between said depending portions and above said cross-bar, gudgeons on the ends of said roller, and said off-set portions and said depending portions of the yokes being slotted to receive said gudgeons, and said gudgeons being provided with heads, and the slots in the off-set portions being enlarged to permit passage thereof, and the means operable to move said rollers toward and from each other substantially as described.

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

SIMON M. SCHAEFLE.

Witnesses:
H. S. AUSTIN,
H. F. LILLIS.