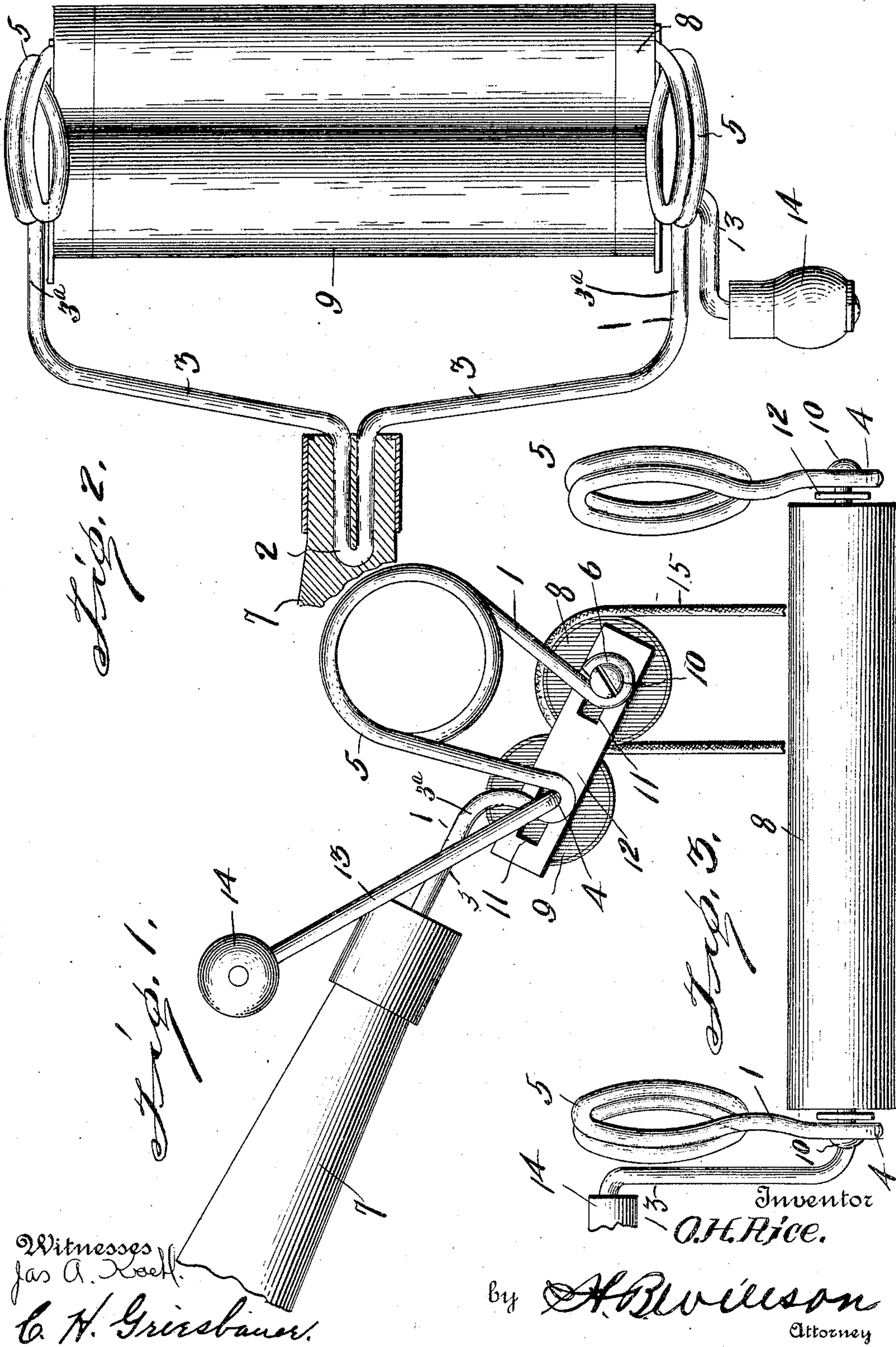


No. 789,880.

PATENTED MAY 16, 1905.

O. H. RICE.
MOP HEAD AND WRINGER.
APPLICATION FILED AUG. 15, 1904.



UNITED STATES PATENT OFFICE.

ORVILLE H. RICE, OF SIOUX FALLS, SOUTH DAKOTA.

MOP HEAD AND WRINGER.

SPECIFICATION forming part of Letters Patent No. 789,880, dated May 16, 1905.

Application filed August 15, 1904. Serial No. 220,855.

To all whom it may concern:

Be it known that I, ORVILLE H. RICE, a citizen of the United States, residing at Sioux Falls, in the county of Minnehaha and State of South Dakota, have invented certain new and useful Improvements in Mop Heads and Wringers; and I do 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 improvements in mops and mop-wringers, and more particularly to a combined mop head and wringer.

The object of my invention is to provide a device of this character which will be simple in construction, durable in use, efficient in operation, and comparatively inexpensive to manufacture.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side elevation of my improved mop head and wringer. Fig. 2 is a top plan view of the same, and Fig. 3 is a front end elevation.

Referring to the drawings by numeral, 1 denotes the frame of my improved device, which is preferably formed of a single piece of resilient wire of suitable size. As shown, said frame is formed by bending the piece of wire or rod upon itself at its center to form a tongue or tang 2 and bending the ends of said rod outwardly in opposite directions, as shown at 3, then forwardly, as shown at 3^a, then downwardly to form loops or eyes 4, then upwardly to form coils 5, and finally downwardly to form eyes 6 upon the extreme ends. The tang 2 is adapted to be secured in any suitable manner in an opening formed in one end of a long handle 7, and in the eyes 4 and 6 are journaled two rollers 8 and 9. The portions of the frame between the eyes 4 and 6 and the coil 5 form spring-arms which hold said rollers firmly in contact with each

other. The journals of the rollers pass through the eyes 4 and 6 and into the centers of the ends of said rollers. The journals of one of the rollers and one of the journals of the other roller are here shown as formed by screws 10. The other journal is formed integrally with a crank 13, with which one of the rollers is provided, the said crank having a handle 14 at its outer end. It will be understood that when the roller having the crank is turned the other roller will be rotated in the opposite direction.

The operation and advantages of my invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings. It will be seen that a mop-cloth 15 of any suitable form will be firmly clamped between the rollers 8 and 9 and when the latter are rotated will be wrung by them.

While I have shown and described the preferred embodiment of my invention, it will be understood that I do not wish to be limited to the precise construction herein set forth, since various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A combined mop head and wringer comprising a frame formed of a single piece of resilient wire bent to form a tang, diverging portions and spring-arms connected by coils, rollers journaled in said spring-arms, slotted stop-plates upon the journals of said rollers, a crank-handle upon one of said rollers, and a handle upon the tang of said frame, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ORVILLE H. RICE.

Witnesses:

C. H. BARTELT,
J. E. McMOHON.