(No Model.)

F. E. ANDERSON.

BARREL WASHER.

No. 489,066. Patented Jan. 3, 1893.

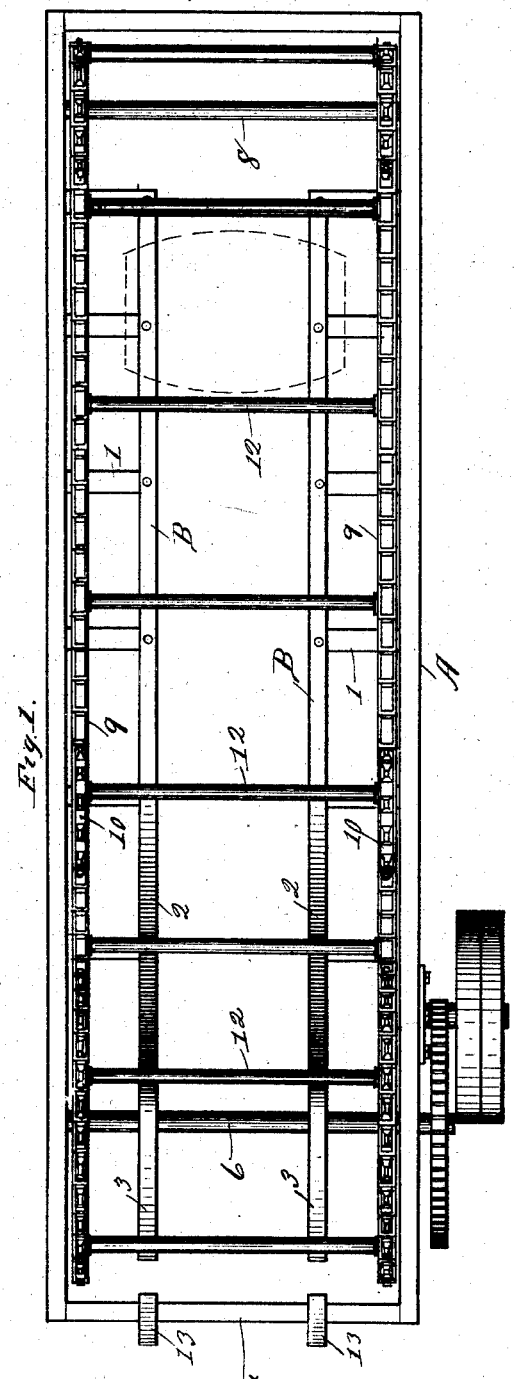

Fig. 1.

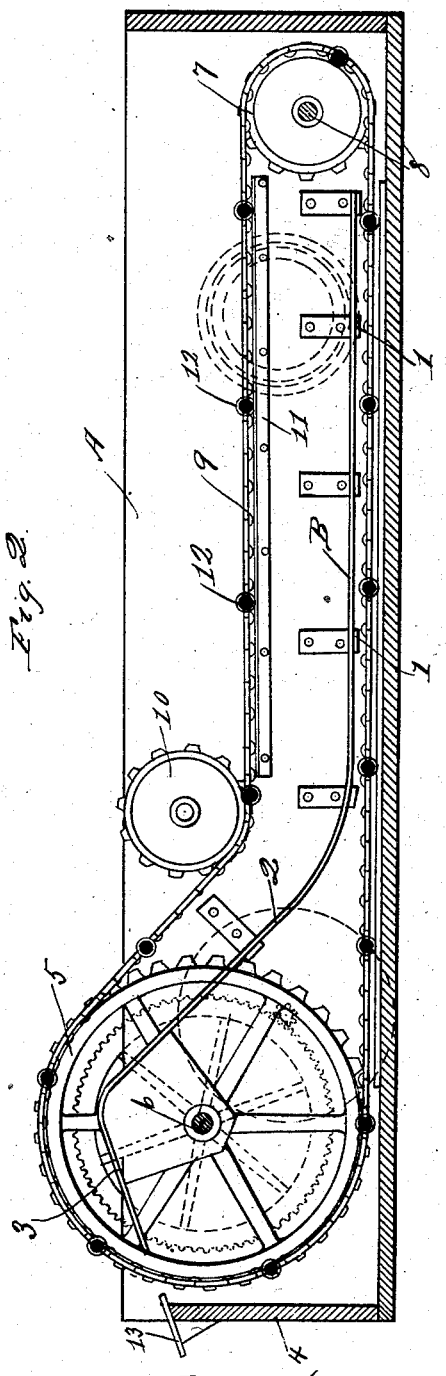

Fig. 2.

Witnesses.
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UNITED STATES PATENT OFFICE.

FREDERICK E. ANDERSON, OF CHICAGO, ILLINOIS.

BARREL-WASHER.

SPECIFICATION forming part of Letters Patent No. 489,066, dated January 3, 1893.

Application filed September 14, 1891. Serial No. 405,567. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK E. ANDERSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Barrel-Washers; 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 novel construction in barrel washing machines, and more particularly to that part of a barrel washing machine in which the barrel is filled with hot water, the object being to provide a device of this character that will be simple and durable in construction and efficient in operation.

The invention consists in the features of construction and combinations of parts hereinafter fully described and specifically claimed.

In the accompanying drawings illustrating my invention:—Figure 1 is a top plan view of an apparatus constructed in accordance with my invention, and Fig. 2 is a central, vertical, longitudinal section of the same.

Referring now to said drawings, A indicates the tub or trough which is to be filled with hot water and within which the barrels or kegs are placed, that are to be filled with hot water.

Tracks B are located along each side of the tub and are conveniently supported therefrom by brackets or supports 1. From the rear end portion of the tub the tracks B extend horizontally near the bottom of said tub toward the front end thereof and are then inclined upwardly as shown at 2 to about the height of the sides of the tub. The track is then inclined downwardly as at 3 and does not extend to the front end 4 of the tub. The said tracks B are not located close to the sides of the tub but stand some distance inwardly of the same.

Close to the sides of the tub at the forward end thereof two sprocket wheels 5, 5, are located, which are rigidly mounted upon a revoluble shaft 6 supported in bearings in the sides of the tub. The said shaft 6 extends through one side of the tub and is connected with suitable devices for turning the same. The said sprocket wheels 5 stand a little higher than the highest portion of the track and extend down adjacent the bottom of the tub and below the horizontal portion of the trackway B. Near the rear end of the tub and close to the sides thereof two smaller sprocket wheels 7, 7, are located, which are mounted upon a shaft 8 supported in bearings in the sides of the tub. The lower edges of said sprocket wheels 7 are arranged at about the same height as the lower edges of sprocket wheels 5 and said sprocket wheels 7 extend only about half way to the top of the tub. Sprocket chains 9, 9 are trained around said sprocket wheels 5 and 7, and guide pulleys 10 are mounted in bearings on the sides of the tub just over the forward end of the horizontal portions of the tracks B. The lower edge of said guide pulleys 10 is arranged at about the same height as the upper edge of the sprocket wheels 7, so that the sprocket chains 9 will pass in a horizontal line from the sprocket wheels 7 to and under the guide pulleys 10, then ascend to and over the large sprocket wheels 5, and then back and along the bottom of the tub to and around the small sprocket wheels 7. It will thus be seen that the upper portions of the sprocket chains are located about parallel with and a little above the tracks B. Guides 11 are secured to the sides of the tub in position to support that part of the sprocket chain between the wheels 7 and guide pulleys 10. At intervals the sprocket chains 9 are connected by rods 12, said rods being rigidly secured to said sprocket chains. At the front end of the tub short downwardly inclined track sections 13 are located, that form in effect continuations of the sections 3.

In operation the upper strands of the sprocket chains travel from the sprocket wheel 7 toward the sprocket wheel 5. The barrels or kegs are placed in the tub at the rear end thereof and rest upon the tracks B. The barrel is engaged by one of the bars 12 carried by the traveling sprocket chains and is rolled forwardly, being filled with hot water in the meantime. The bars carry the barrel up the inclined track section 2 and then over upon the downwardly inclined section 3, from which it will roll filled with water.

I claim as my invention:—

1. The combination substantially as hereinbefore set forth with a tub or trough, of tracks

located within the same and near the bottom of the tub or trough and upon which a barrel or keg is adapted to be supported, a series of traveling bars located over said tracks, and devices constructed practically as described, to move said bars along and over the tracks whereby said barrels or kegs will be moved along said tracks, substantially as described.

2. The combination substantially as herein-before set forth with a tub or trough, of tracks located within the same and near the bottom of the tub or trough and upon which a barrel or keg is adapted to be supported, said tracks being inclined upwardly and downwardly near one end of the tub or trough to pass over the end wall thereof, a series of traveling bars located over said tracks, and devices constructed practically as described, to move said bars along and over said tracks whereby said barrels or kegs will be moved along said tracks, substantially as described.

3. The combination substantially as herein-before set forth with a tub or trough, of tracks located within and near the bottom of the tub or trough and having upwardly and downwardly inclined portions near one end thereof to pass over the end wall of the tub or trough, gear wheels located near the ends of the tub or trough, chains trained around said gear wheels, a series of bars extending between said chains, and devices for driving said gear wheels, substantially as described.

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

FREDERICK E. ANDERSON.

Witnesses:

HARRY COBB KENNEDY,

OTTO LUEBKERT.