A. PRANKE.

VEGETABLE WASHING MACHINE.

APPLICATION FILED APR. 8, 1918.

1,273,268.

Patented July 23, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

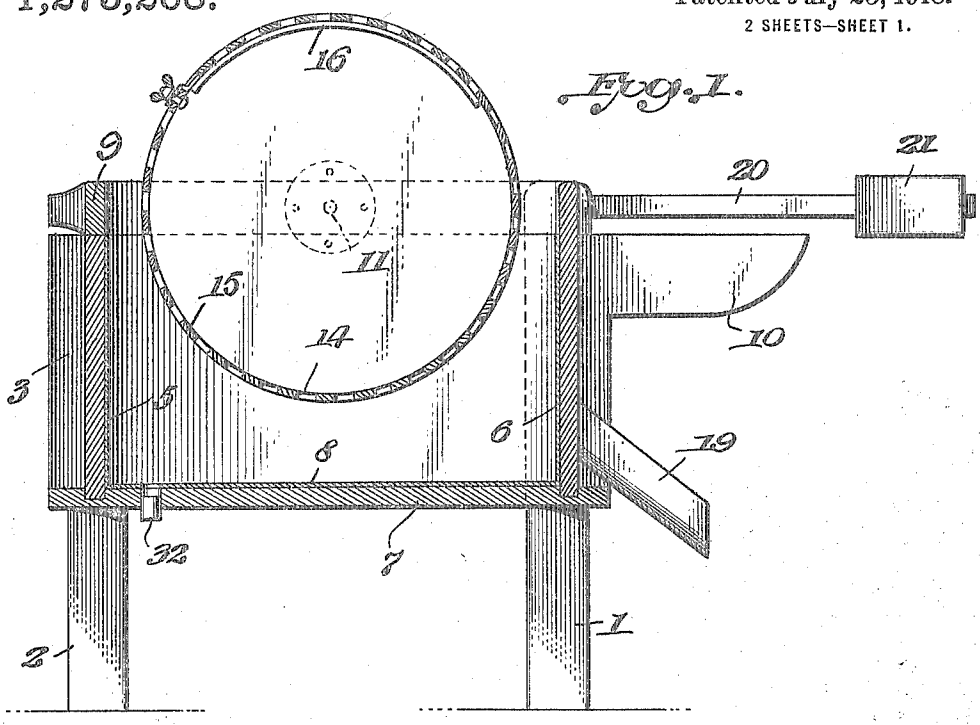
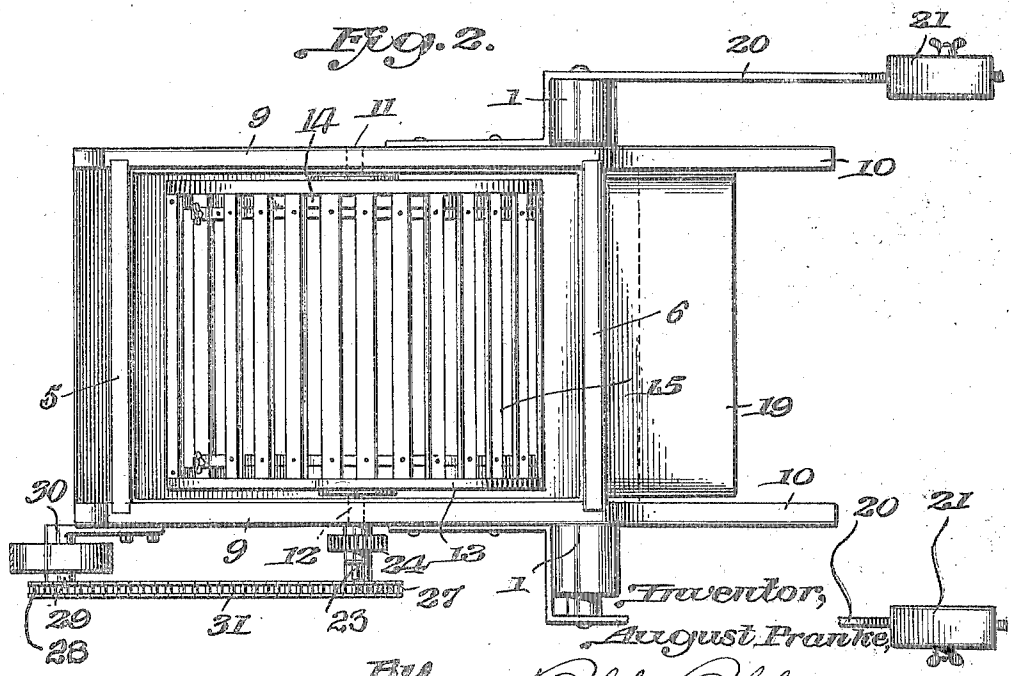


Fig. 2.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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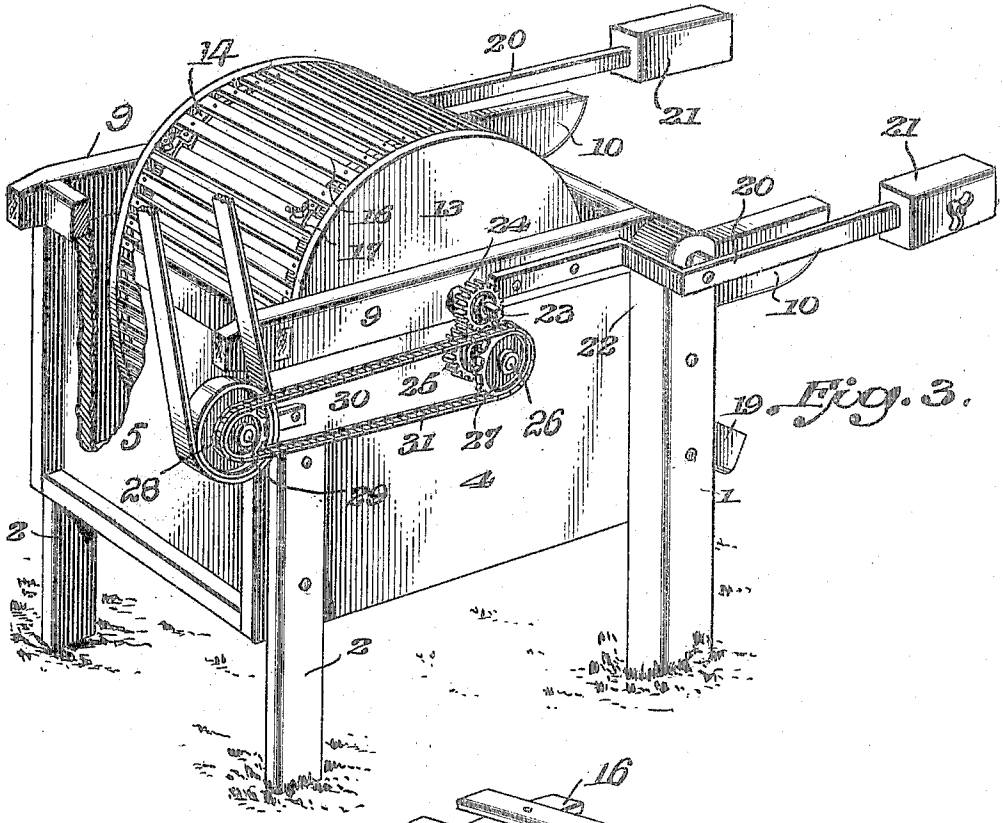


Fig. 3.

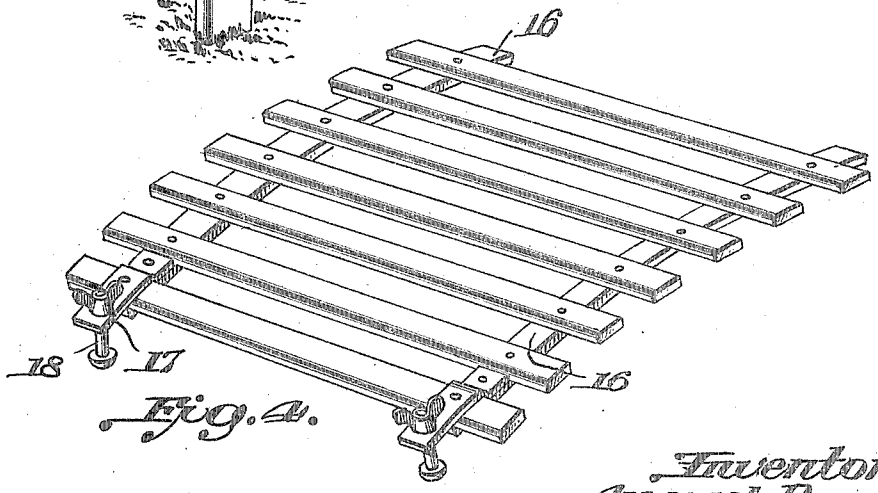


Fig. 4.

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UNITED STATES PATENT OFFICE.

AUGUST PRANKE, OF NORTH DETROIT, MICHIGAN.

VEGETABLE-WASHING MACHINE.

1,273,268. Specification of Letters Patent. Patented July 23, 1918.

Application filed April 8, 1918. Serial No. 227,158.

To all whom it may concern:

Be it known that I, AUGUST PRANKE, a citizen of the United States of America, residing at North Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Vegetable-Washing Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a vegetable washing machine, and the primary object of my invention is to provide hand or power operated means for expeditiously and economically washing vegetables, particularly beets, turnips and the like to which earth adheres.

A further object of my invention is to provide, a simple, durable and inexpensive machine embodying a tumbling barrel or drum in which the vegetables are placed, said tumbling barrel or drum being supported by a tiltable frame on a tub or suitable receptacle in which may be placed water for washing the vegetables within the tumbling barrel.

The above and other objects are attained by a structure that will be hereinafter described and then claimed, and reference will now be had to the drawings, wherein—

Figure 1 is a longitudinal sectional view of the vegetable washing machine;

Fig. 2 is a plan of the same;

Fig. 3 is a perspective view of the machine, partly broken away and partly in section, and

Fig. 4 is an enlarged perspective view of a detached door for the tumbling barrel of the machine.

In the drawings, the reference numerals 1 and 2 denote sets of legs or corner posts for supporting a tub or receptacle, comprising side walls 3 and 4, end walls 5 and 6, and a bottom wall 7, said walls being suitably joined and provided with an interior lining 8, thus providing a tub or receptacle in which water may be placed. For a cheap grade of machine the lining 8 may be dispensed with and the receptacle constructed similar to an ordinary washing tub.

The set of legs or corner posts 1 extend above the side walls 3 and 4 and pivotally mounted between the upper ends of said legs is a horizontal rectangular tiltable frame 9 which normally rests on the upper edges of the tub, but may be swung over to rest on projecting supports or brackets 10, which have been shown as part of the side walls 3 and 4.

Journaled in the frame 9 are the pintles 11 and 12 of a barrel comprising heads 13 having annular shoulders 14 to which are suitably secured slats 15. The slats 15 are spaced so that water and dirt may pass therebetween and in order that vegetables may be placed in the tumbling barrel, a few of the slats 15 are carried by bars 16 and provide a door or gate for the tumbling barrel. One end of the door may be held in place by ends of the bars 16 extending under one of the fixed slats 15, and the other ends of the bars may be provided with straps or hasps 17 adapted to be held by bolts 18 or other fastening means, carried by one of the fixed slats of the tumbling barrel.

The tumbling barrel may be easily loaded when in the position shown in the drawings, and to facilitate unloading, the tumbling barrel, the frame 9 is swung on to the supports 10, the barrel revolved until the doorway is at the bottom side thereof, and then the door is removed so that the vegetables may fall on to a trough 19, carried by the end wall 6 into a suitable receptacle placed at the lower end of the trough.

To facilitate swinging the frame 9 from the upper edges of the tub to the supports or brackets 10, the sides of the frame 9 are provided with projecting arms 20 having the outer ends thereof provided with adjustable weights 21 as a counterbalance for a tumbling barrel. Besides the arms 20 being secured to the sides of the frame 9, said arms are bent and apertured so as to fit about the upper ends of the legs or corner posts 1 and on to the pivot pins or rod 22 of the frame 9.

The pintle 12 of the tumbling barrel may terminate in a shank or tang 23 on which may be placed a crank so that the tumbling barrel may be manually revolved. Then again, the outer end of the pintle 12 may be provided with a small gear wheel 24 adapted to mesh with a similar gear wheel 25 on a stud shaft 26, carried by the side wall 4 of the machine. The stud shaft 26 may be provided with a sprocket wheel 27 alining with a similar wheel 28 on a power shaft 29, journaled in a bearing 30, carried by the side wall 4 of the machine. The power shaft 29 may be driven from any suitable source of

power, and with a sprocket chain 31 trained about the wheels 27 and 28, the tumbling barrel will be revolved to tumble or toss vegetables about therein. Water may be placed in the tub so that vegetables within the tumbling barrel will be immersed in the water and washed thereby as the barrel is revolved. The bottom of the tub may have a drain opening normally closed by a plug 32.

One embodiment of my invention has been illustrated but it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:

A vegetable washing machine comprising a tub, a frame having one end thereof pivotally connected to one end of said tub and normally resting on the upper edges of said tub, supports as a continuation of the side walls of said tub at the upper edges thereof and adjacent the pivoted end of said frame and adapted to have said frame rest thereon, a slatted tumbling barrel journaled in said frame and adapted to have a portion thereof immersed in water in said tub, side arms carried by the pivoted end of said frame in a plane therewith and adapted to facilitate swinging said frame and its tumbling barrel from the top of said tub on to said supports, adjustable weights on said arms as a counterbalance for said tumbling barrel, and means normally carried by said tub adapted for rotating said tumbling barrel when in said tub.

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

AUGUST PRANKE.

Witnesses:
KARL H. BUTLER,
ANNA M. DORR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."