No. 612,265. Patented Oct. 11, 1898.

M. L. NIX.

WASHING MACHINE.

(Application filed June 12, 1897.)

(No Model.)

Fig. 1.

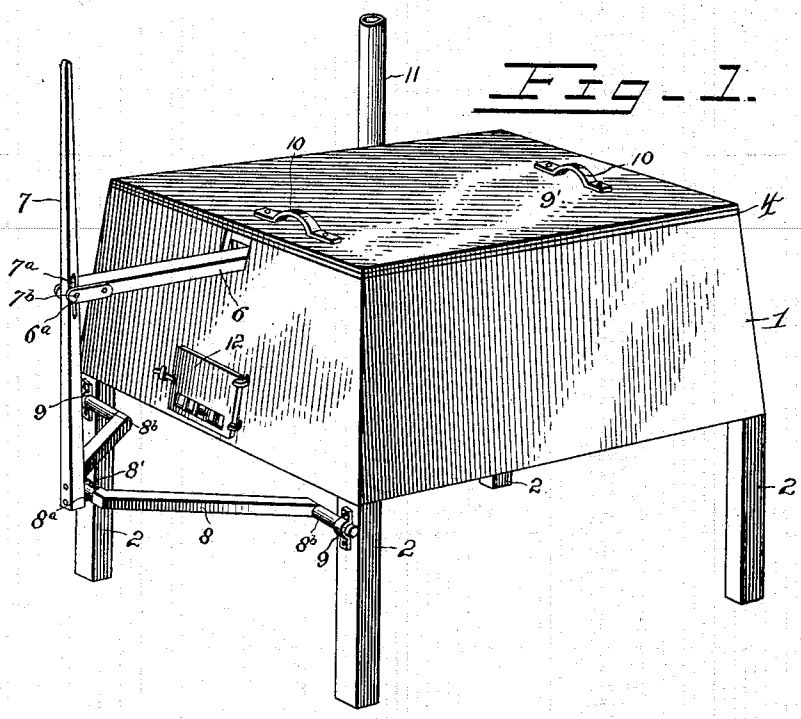


Fig. 2.

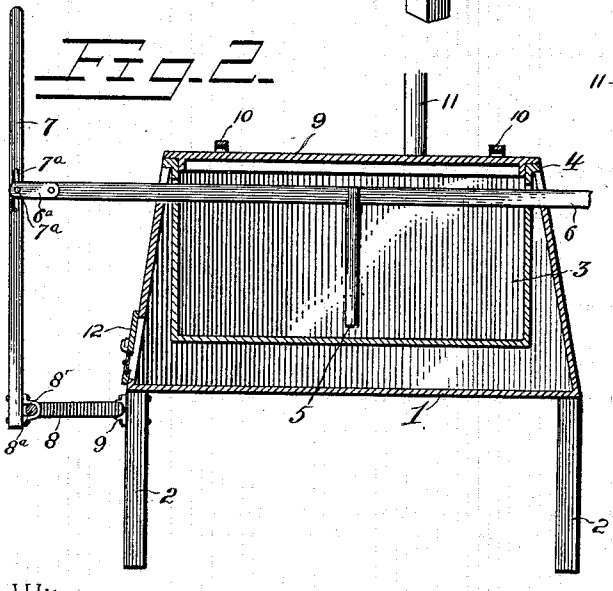
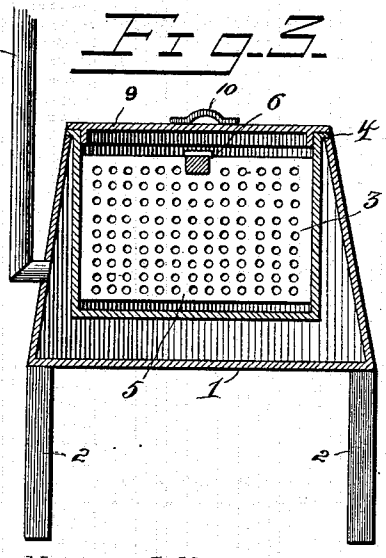


Fig. 3.



Witnesses
F. E. Alden.

Manning L. Nix. Inventor

By his Attorneys,

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UNITED STATES PATENT OFFICE.

MANNING L. NIX, OF OKLAHOMA, OKLAHOMA TERRITORY.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 612,265, dated October 11, 1898.

Application filed June 12, 1897. Serial No. 640,547. (No model.)

To all whom it may concern:

Be it known that I, MANNING L. NIX, of Oklahoma, in the county of Oklahoma and Territory of Oklahoma, have invented certain new and useful Improvements in Washing-Machines; 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.

The invention relates to improvements in washing-machines.

The object of the present invention is to improve the construction of washing-machines and to provide a simple and efficient one adapted to maintain the water necessary for washing at the desired temperature and capable of rapidly washing clothes.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

1 designates a fire-box supported by legs 2 and having its side and end walls converging upwardly and adapted to support upon their upper edges a boiler or receptacle 3, detachably arranged within the fire-box and provided at its front edges with a horizontal supporting-flange 4, resting upon the upper edges of the walls of the fire-box. The boiler 3, which is adapted to receive the clothes to be washed, is substantially the same size as the opening at the top of the fire-box, and its sides are vertical, so that intervening spaces are provided between its sides and the walls of the fire-box.

The clothes are operated on by a reciprocating dasher 5, disposed transversely of the boiler or receptacle 3, arranged within the same, and provided with perforations. The perforated agitator, which extends entirely across the boiler or receptacle, is secured at its upper edge to a horizontal sliding bar 6, extending through registering slots of the ends of the receptacle 3 and the fire-box and connected at its front end by plates 6^a with an operating-lever 7. The operating-lever, which is disposed substantially vertical, is slotted between its ends at 7^a to receive the pin or pivot 7^b, which connects the plates 6^a to the lever, and the lower end of the latter is provided with an eye 8′, receiving a rounded portion 8^a of a substantially V-shaped frame 8, which is provided at its ends with laterally-extending arms 8^b, arranged in eyes or loops 9 of the legs 2 of the fire-box. The means for fulcruming the operating-lever and the connection of the same to the horizontal bar 6 enable the lever to oscillate freely at the expenditure of a minimum amount of labor.

The boiler or receptacle 3 is provided with a lid 9′, having handles 10, and the fire-box, which is provided at its front with a door 12, has a pipe 11 at one side to carry off the smoke and the products of combustion. The door 12 of the fire-box is located opposite the space formed by the substantially V-shaped frame, and this space enables fuel to be readily supplied to and ashes to be conveniently removed from the fire-box.

In operation the water is placed within the boiler and clothes introduced on both sides of the agitator. The fire of the fire-box heats and maintains the water at the desired temperature and the clothes are agitated by reciprocating the agitator and are thereby thoroughly washed.

The invention has the following advantages: The washing-machine is simple and comparatively inexpensive in construction, it is efficient and easily operated, and it is capable of heating the water necessary for washing without necessitating the receptacle or boiler being placed upon the stove to accomplish such result.

What I claim is—

In a washing-machine, the combination of a receptacle having a fire-box and provided at its front with a door communicating with the fire-box, legs supporting the receptacle, a reciprocating bar passing through a slot or opening of the receptacle and carrying an agitator, the substantially V-shaped frame 8

provided at the ends of its sides with outwardly-extending journals arranged in suitable bearings of the adjacent legs; said frame being provided at its apex with a rounded portion and forming an open space directly in front and below the door of the fire-box, whereby fuel may be conveniently supplied to and ashes readily removed from the same, and a substantially vertical operating-lever pivoted between its ends to the outer end of the reciprocating bar and provided at its lower end with an eye receiving the rounded portion of the apex of the frame, substantially as described.

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

MANNING L. NIX.

Witnesses:
JOHN R. FURLONG,
J. A. FORREST.