

No. 874,610.

PATENTED DEC. 24, 1907.

B. MINGUS.
WASHING MACHINE.
APPLICATION FILED AUG. 18, 1906.

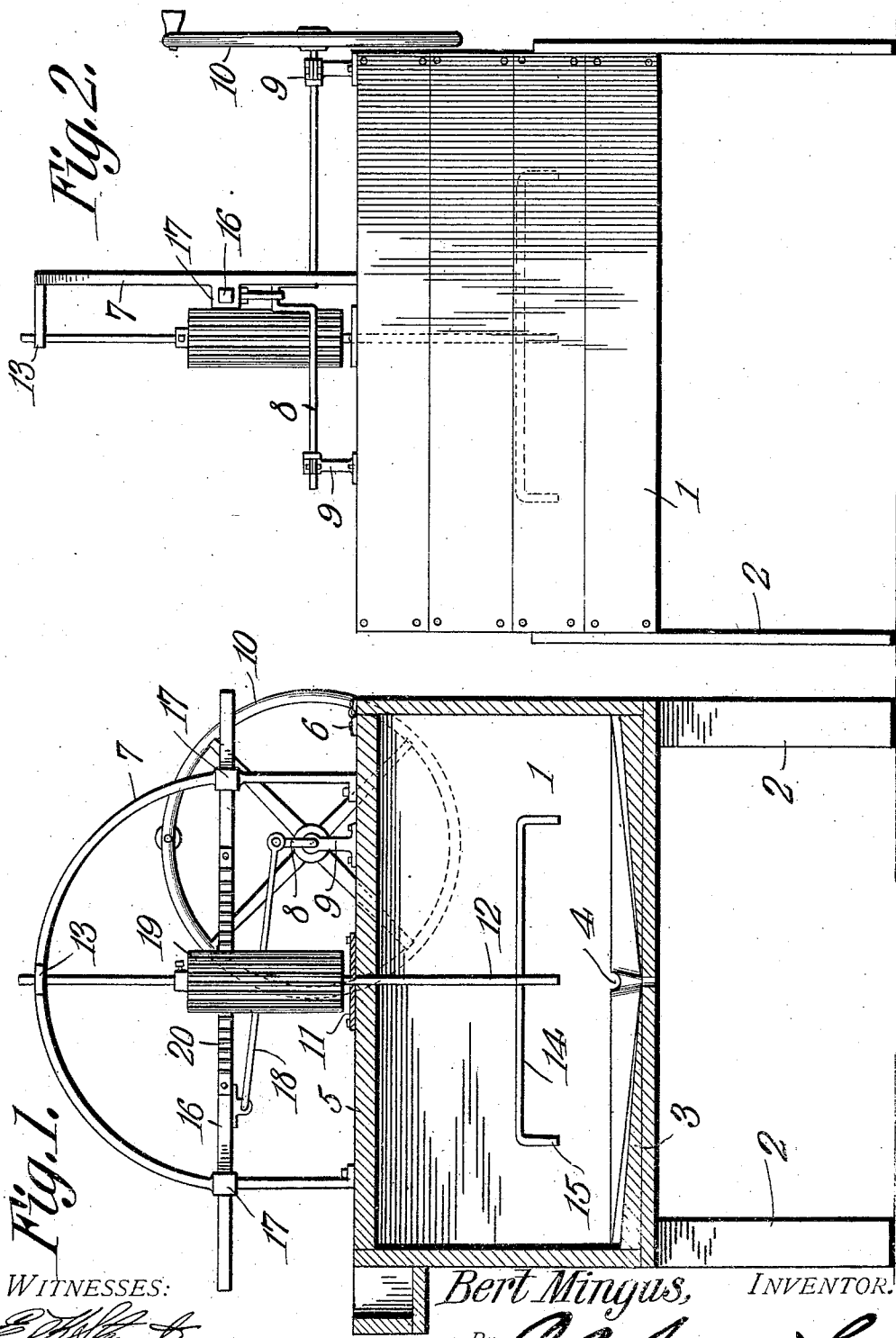


Fig. 1.

Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE

BERT MINGUS, OF NOVINGER, MISSOURI.

WASHING-MACHINE.

No. 874,610.

Specification of Letters Patent.

Patented Dec. 24, 1907.

Application filed August 18, 1906. Serial No. 331,193.

To all whom it may concern:

Be it known that I, BERT MINGUS, a citizen of the United States, residing at Novinger, in the county of Adair and State of Missouri, have invented a new and useful Washing-Machine, of which the following is a specification.

This invention has relation to washing machines and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a washing machine having a dasher adapted to be rotated back and forth in the body of the washer.

Suitable mechanism is provided for revolving the dasher and said mechanism is mounted upon the top of the washer. The said top in turn is hinged to the body portion of the washer and may be swung back together with its attachments out of the way for removing the contents of the washer. In order to swing the said top and its attachments back it is not necessary to disconnect any of its parts and the said top may be swung back and held at such an angle with relation to the body of the washer that the drippings from the top and the dasher will drain back into the washer. The dasher is also arranged in order that it may have vertical movement as well as rotary movement.

In the accompanying drawing, Figure 1 is a transverse sectional view of the washing machine, and Fig. 2 is a side elevation of the same.

The washing machine comprises the body 1 which is mounted upon the legs 2 and is provided in its bottom with a plate 3 having grooves or corrugations 4. The top 5 is hinged at the point 6 to the side of the body 1. The yoke 7 is attached to the top 5. The crank shaft 8 is journaled in the bearings 9, 9 which in turn are attached to the top 5. The crank wheel 10 is attached to the end of the crank shaft 8. The perforated plate 11 is fixed to the top 5 and forms a clearing for the dasher shaft 12 which passes vertically through the said top 5 and the perforations in the plate 11. The upper end of the said shaft is journaled in the laterally extending lug 13 located at the middle of the yoke 7. The dasher arms 14 radiate from the lower end of the shaft 12 and are provided at their

outer ends with the clothes rubbers 15. The rack bar 16 is mounted for reciprocation in the bearings 17 which are attached to the sides of the yoke 7. The link 18 is pivoted at one end to the rack bar 16 and at its other end to the crank of the shaft 8. The elongated gear wheel 19 is adjustably attached to the shaft 12. The gear teeth 20 of the rack bar 16 mesh with the said gear wheel 19.

From the above description it is obvious that as the shaft 8 is rotated that the link 18 gyrates back and forth which in turn will reciprocate the rack bar 16. As the gear teeth thereof are in mesh with the gear wheel 19 the said gear wheel and the shaft 12 are rotated back and forth. Thus the dasher 14 and the rubbers 15 operate over the clothes which previously were placed in the washer 1. When the clothes are washed, the top 5 is swung back on its hinges and the parts are thus moved out of the way so that the contents of the body 1 may be removed. The elongated gear wheel 19 permits the shaft 12 to rise and fall while it is rotating over the contents of the body 1 and also permits of such longitudinal movement of the shaft when the body 1 is being filled with or emptied of its contents.

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

A washing machine comprising a box, a top carried thereby and provided with a bearing, a yoke secured to the top and having a vertical bearing alined with that in the top and with two horizontally alined bearings, a rack bar supported for sliding movements in a horizontal plane in the latter bearings, means for reciprocating the rack bar, a dasher shaft journaled for sliding movements in the vertical bearing of the yoke and in the bearing of the top, and an elongated gear carried by the shaft and reciprocatory therewith across the rack bar, whereby to permit the dasher to adjust itself to the contents of the box.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

BERT MINGUS.

Witnesses:

E. KITCHEN,
F. S. ADKINS.