## Nov. 18, 1924.

A. W. ALTORFER

WASHING MACHINE

Filed Nov. 6, 1919

1,516,134







## 1,516,134 Patented Nov. 18, 1924. UNITED STATES PATENT OFFICE.

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WASHING MACHINE

Application filed November 6, 1919. Serial No. 336,023.

To all whom it may concern:

Be it known that I, ALPHEUS W. ALTOR-FER, a citizen of the United States, a resi- cabinet and the design changed slightly to dent of Peoria, in the county of Peoria and accommodate the same. 5 State of Illinois, have invented new and useful Improvements in Washing Machines, washing machine disclosed in my applicaof which the following is a specification.

machines, and relates more particularly to to which reference may be had for a disclothe oscillatory cylinder and operating mech- nisms for the machine. anisms.

to cover the otherwse exposed operating suitable point, is a cross-frame or casting 4, with such gear wheels. a guard here and there on washing machines for the load shaft, or the shaft employed for with exposed gear wheels and parts of the within the cabinet. Said cover-casing has a motor and transmitting mechanisms, but I plate 6 connected therewith, on which may believe that I am the first to provide a be fulcrumed a lever. The four corner cabinet machine where the tub and cylinder standards or posts, at their lower ends are the exception of the main control lever, all 7, to support any suitable base-plate or of the operating mechanisms are enclosed. That the invention may be more fully understood, reference is had to the accompanying drawings, forming a part of the description, in which: Figure 1 is a front elevation of my cabinet, the casing for the gearing which operates the wringer being broken away;

derstood clothes containers of other types could very easily be arranged within the

The cabinet disclosed conforms to the 60 tion for patent filed on the 23rd day of This invention has reference to washing May 1918, bearing Serial Number 236,142, 10 the supporting and enclosing casings for sure of the cylinder and operating mecha- 65

The cabinet comprises the four corner The principal object of the invention is to standards or posts 1 made preferably of provide, what may be termed a cabinet ma- angle-iron. To the lower end of each stand-15 chine, i. e., a machine made in the form of a ard or post 1 is connected a bracket 2, in 70 cabinet, with enclosing walls on all four which is journaled a caster-wheel 3. Exsides, and with shields and protecting guards tending across the front of the cabinet, at a mechanisms and gear wheels so as to protect which, at its opposite ends is bolted, or 20 the user against bodily harm, when the ma- otherwise suitably secured to opposite corner 75 chine is in use, through coming into contact standards or posts 1, and secured to this cross-frame midway its ends, is a cover-cas-I am aware that it is not new to provide ing 5 to house a gear and form a bearing <sup>25</sup> to protect the user from coming into contact imparting motion to the cylinder contained 80 <sup>30</sup> are substantially incased, and where, with connected, preferably by the angle-iron bars 85 plates on which rest the motor, and to which and any one or more of said angle-irons 7 may be secured the housing 8 for certain transmission gearing for imparting move- 90 ment from the motor to the cylinder and operating mechanisms of the machine. To one of the corner standards or posts 1 is secured the gear casing 9, adapted to in-Figure 2 is a side elevation of the cabinet, case mitre gearing receiving power from the 95 motor, and arranged to impart such power to a vertically disposed wringer shaft lo-Figure 3 is a detail cross-section, in plan, cated within a tubular casing 10, connectas the same would appear, taken on the line ing the casing 9 and a bracket casing 11, also. secured to the standard or post 1. Above the 100 bracket casing 11 is intended to be located the casing for the wringer gearing, and also the swingable support for the wringer. 12 designates the tub located within the confines of the four standards or posts 1, be- 105 ing preferably formed with a rounded bottom 13 and having four side-walls, one of which, 14, serves as a closure or wall for the front side of the cabinet, Figure 1, from the top of the cross-frame or casting 4 to the 110

40 as the same would appear looking at the right hand side of Figure 1;

45 3-3 Figure 1;

Figure 4 is a detail cross-section, in plan, as the same would appear, taken on the line 4-4 Figure 2;

Figure 5 is a detail vertical sectional view, 50 as the same would appear, taken on the line 5-5 Figure 1.

Like characters of reference denote corresponding parts throughout the figures. The drawing shows a cabinet arranged 55 to house a tub and a cylinder, but it is un-

top of the cabinet and across the cabinet. Figure 2, see Figure 3, shown in cross-sec- 55 The lower part of the front of the cabinet is tion, is covered by a wall or shield 27 exclosed by a wall or shield 15 formed with tending from the top to the bottom of the cabinet, lying between the tub 12 and the an outwardly extending or off-set body por-5 tion 16 designed to enclose and cover a crank corner standards or posts 1. It is understood that the wall or shield 15 is intended 60 and pitman connection between the transto be removed as occasion demands, which mission gearing and a toothed segment, emis accomplished by unscrewing the wingployed to impart motion to the load shaft. nut 19 and withdrawing the edge of the flat Associated with the wall or shield 15 and portion of said wall or shield from behind 10 particularly the offset body portion 16, is a cover-plate or casting 17 acting as a guard the corner standard or post 1, and the upper 65 edge of the off-set body portion 16 of said and enclosure for the toothed segment. The wall or shield, and cover plate are secured wall or shield from under the coverin place, as follows: The vertical outside plate or casting 17, which is off-set longitu-15 edge of the flat portion of the wall or shield dinally, as at 28, see Figure 5, to receive the 15 lies between the wall 14 of the tub 12 edge of the said wall or shield. The lower 70 wall or shield 23 may be raised and lowered and a corner standard or post 1, and the wall of the off-set body portion 16 of said as understood, and while it may be possible to remove the wall or shield 26 and 27, wall or shield has an opening adapted to they are intended to be permanent. 20 pass over a threaded stem 18 and held there A cover or lid 29 is provided, removably 75 by the wing-nut 19, while the lower edge of laid on the top of the cabinet, and provided said wall or shield 15 slips over, and is held with depending flanges, not shown, to lie in place by a spring 20, see Figure 5, said against the inner edges of the angle-irons 21 opening secured to one of the angle iron and prevent accidental displacement of said 25 bars 7. The cover plate or casting 17 is bolted or otherwise suitably secured to the cover or lid. A cross-brace, not shown, for the rear of cross-frame or casting 4 and the bracket the cabinet connecting the opposite corner casting 11. The upper ends of the corner standards or posts 1 may be provided, if destandards or posts 1 are preferably consired, and as many inside cross-braces, not 30 nected by the cross-bars 21, preferably anshown, may be provided, as is desired. 85 gle-irons. What I claim is: The right hand side of the cabinet, look-1. A cabinet for a washing machine, ining at Figure 1, being the side exposed in Figure 2, is preferably covered by the walls cluding four corner posts, a wall for each 35 or shield's 22 and 23 hinged together at 24. of the four sides of said cabinet, one of said walls being removable and having an off-set 90 The opposite outside edges of the wall or body portion, means for holding said reshield  $\overline{22}$  lie between the tub 12 and the cormovable wall in place, and a cover-plate for ner standards or posts 1, but the opposite the upper end of the off-set body portion of outside edges of the wall or shield 23 lie ad-40 jacent the edges of said corner standards said wall. 2. A cabinet for a washing machine, in- 95 or posts 1 and are free, so that said lower cluding four corner posts, a wall for each wall or shield 23 may be raised and lowered of the four sides of said cabinet, one of said to permit access being had to the transwalls being removable and having an off-set mission gearing enclosed in the housing 8, body portion, a spring clip to engage the 45 and inasmuch as said housing 8 projects out lower edge of said wall, means to removably 100 beyond the wall or shield 23, said wall or secure said wall in place, and a cover plate shield 23 is preferably cut away, as at 25, for the upper end of the off-set body porto accommodate it to said housing 8. tion of said wall, the lower edge of said The rear side of the cabinet, see Figure 4, cover-plate being flanged to lap over said 60 shown in cross-section, is covered by a wall 106 wall. or shield 26 extending from the top to the In witness whereof, I have hereunto affixed bottom of the cabinet, lying between the tub my hand this 4th day of November, 1919. 12 and the corner standards or posts 1. ALPHEUS W. ALTORFER. Likewise, the side of the cabinet, opposite to

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