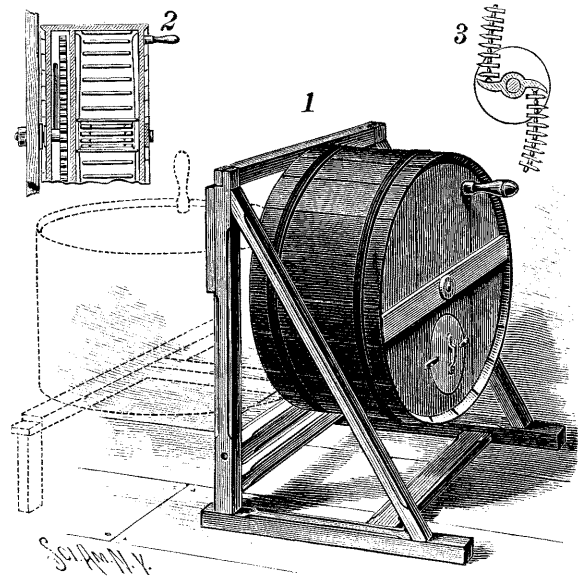


AN IMPROVED WASHING MACHINE.

The accompanying illustration represents a washing machine which is claimed to work very easily, and in which the washing of clothes is said to be accomplished very quickly and efficiently, being greatly facilitated



PITZLER'S WASHING MACHINE.

by the action of the beaters inside the drum. The improvement has been patented by Fred R. C. Pitzler, Lester Prairie, Minn. The drum of the machine is adapted to be turned over to horizontal position when the soapy water and clothes are to be placed in it, as indicated by the dotted lines in Fig. 1, Fig. 2 showing a section through the drum, and Fig. 3 representing the cylinder shaft with the attached beaters. Pivoted low down in the uprights of the framework is a cross bar joined at its center by a vertical bar with the top cross bar, the vertical bar and the two cross bars forming supports for the drum and allowing it to be swung to horizontal position, in which it is supported by posts hinged to the ends of the top cross bar, which then swing down into supporting position, as indicated by the dotted lines. The central shaft is fixed to the vertical bar, and does not rotate, but the drum is mounted to rotate on a sleeve which turns on the shaft, and the drum has a small inner watertight section containing gear wheels by which are operated beaters attached to the sleeve as the drum is rotated by the handle at one side, the sleeve being rotated by the gearing much more rapidly than the drum. The drum has on its inner periphery a series of longitudinal ribs, and the heads of the drum are also provided with radial ribs, there being in the outer head a filling opening through which the clothes are inserted. The beaters are attached, by means of cords or chains, to longitudinal flanges on the sleeve, and as the latter rotates the beaters are thrown outward by centrifugal force, striking the clothes and causing them to receive at the same time a rapid pounding and rubbing.