UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN VACUUM CLOTHES-WASHERS.


The clothes are put in the tub and packed around the valve-stem G as closely as can be to prevent the air from rushing down to the valve F when opened, and the clothes are properly moistened with water charged with saponaceous matters. The air is then pumped out of the chamber S to create a vacuum therein; the valve F is then suddenly raised, and the water is instantly forced through the clothes by the atmospheric pressure above them, and carries with it the foul matters contained in them. The water is then pumped from the chamber into the tub, and the operation repeated, and so on as often as necessary; or until the water becomes too foul, when it is discharged and clean water put in the tub again.

After the clothes are sufficiently washed they may be readily dried by continuing the same operation with air only, and they may be starched by forcing starch-water through them.

The upper part of the tube N works between guide-rollers T, which lessen the friction.

This mode of washing clothes is far less laborious than the common way, and the work is much less objectionable, and it works no injury to the clothes by rubbing and wearing them.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A tub having valved bottoms C D and wire-gauze clothes-holder E, combined with a pump, M, connected thereto by a pipe, L, as and for the purpose set forth.

2. A wash-tub connected with a pump, M, having the swiveled discharge-pipe N, arranged as described, so that the water may be either discharged or returned to tub and on top of the clothes.

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Witnesses:

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