

(Model.)

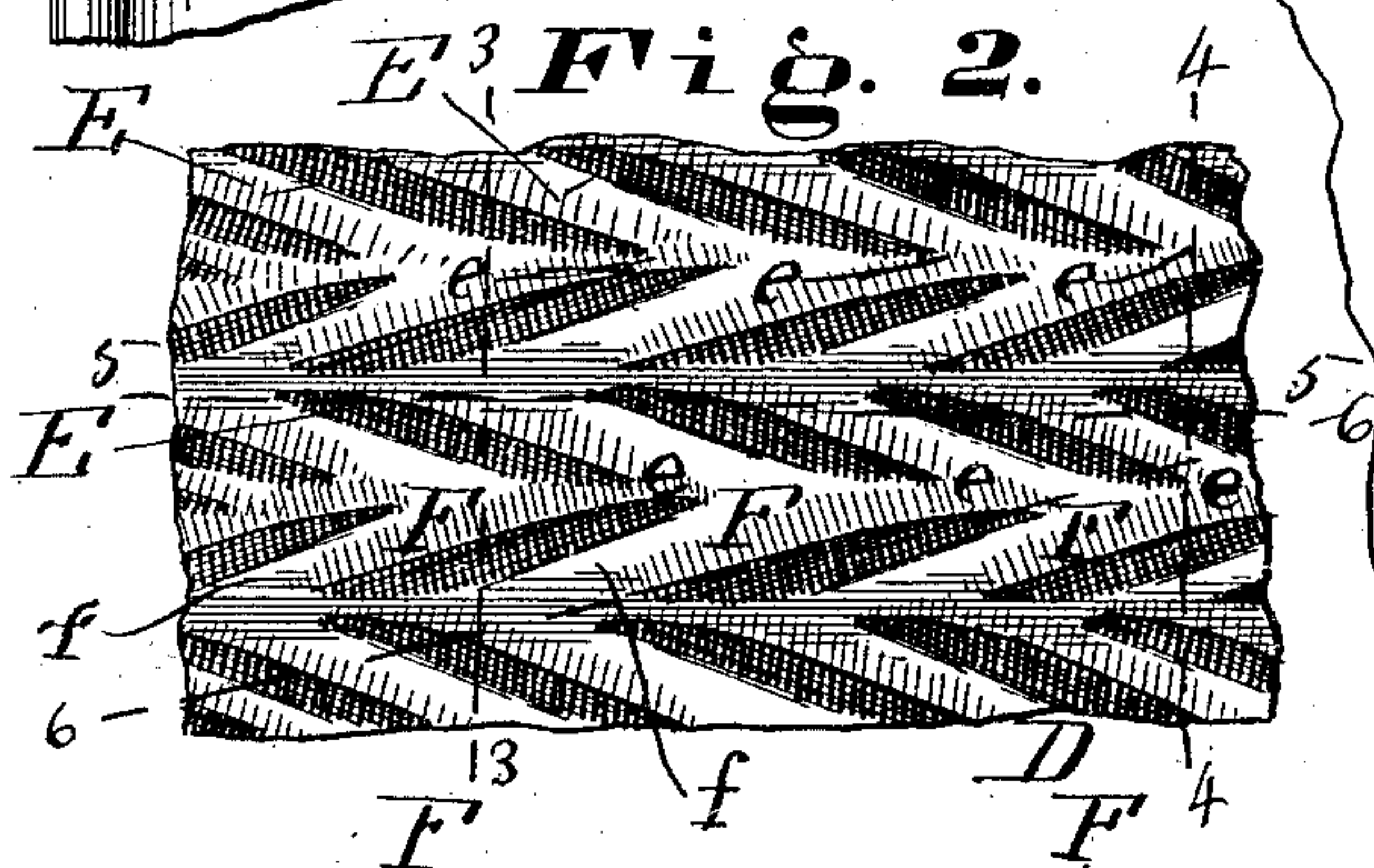
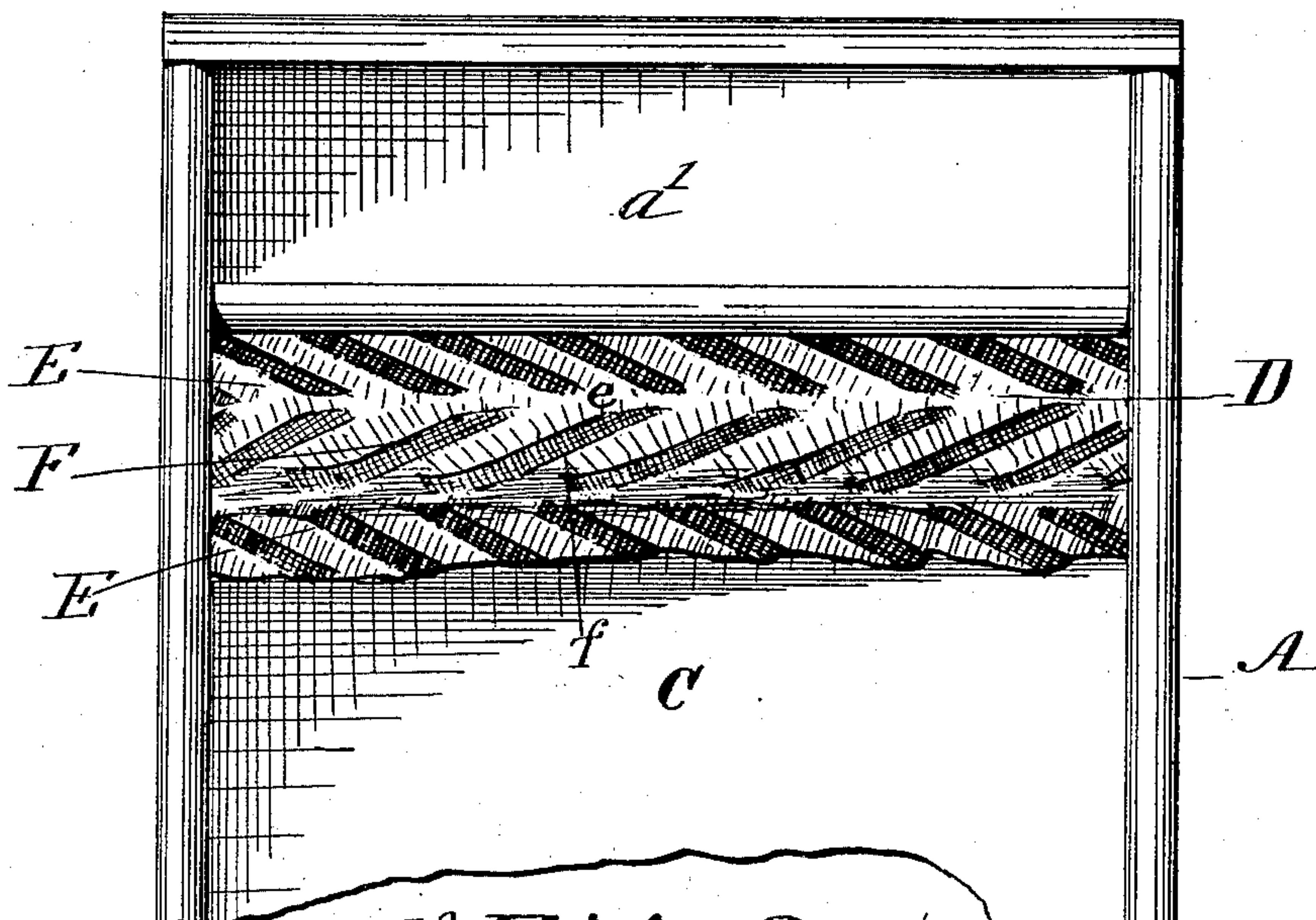
C. EVERTS.

WASH BOARD.

No. 341,465.

Patented May 11, 1886.

*Fig. 1.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 341,465, dated May 11, 1886.

Application filed July 9, 1885. Serial No. 171,113. (Model.)

*To all whom it may concern:*

Be it known that I, CHARLES EVERTS, a citizen of the United States, residing at St. Louis and State of Missouri, have invented a new and useful Improvement in Wash-Boards, of which the following is a specification.

The invention relates to improvements in the class of wash-boards having ribbed or corrugated metallic rubbing-surfaces, the object being to provide a surface that will be cheap of construction and effective in use; and it consists, essentially, in the novel arrangement of the corrugations and depressions hereinafter described, and pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a plan view of the wash-board, partly broken away, and with a large portion of the corrugated metallic surface removed. Fig. 2 is a front view of a portion of a metallic rubbing-surface, the corrugations and depressions being shown about their natural size; and Figs. 3, 4, 5, and 6 are sectional views, taken, respectively, on lines marked 3 3, 4 4, 5 5, and 6 6 of Fig. 2.

A designates the usual wooden frame or body of the wash-board, of rectangular shape, having at its lower edge the legs *a a*, and at the top the rectangular receptacle *a'*, for soap and other articles. Between the side rails of the frame A, and upon the back board, C, is secured the metallic rubbing surface or plate D, as shown.

Arranged transversely across the plate D, in rows from top to bottom, are the spear-head-shaped corrugations *F e*, the upper ridges or arms, *e*, of which incline upward from the points of the corrugations, and the lower ridges or arms, *F*, incline downward from the same at equal or nearly equal angles to those made by the upper ridges. The lower ridges, *F*, of these spear-head-shaped corrugations are considerably higher than the upper ridges of the same. The rows of corrugations are equidistant from each other, and extend, as described, from top to bottom of plate D, and the corrugations in each row are equidistant, and extend transversely across the plate D from one side rail to the other of the frame A.

E E are depressions, serving as soap-pock-

ets, and situated between the ridges *e* of each line of corrugations. The said depressions are consequently equidistant in each row, and have the same inclination as the ridges between which they lie. The rows of depressions are evidently also equidistant.

*f f* are depressions, also arranged in equidistant rows and equidistant from each other in each row. The said depressions, which lie between the ridges *F* and are more shallow than the depressions *E*, have an inclination in an opposite direction to the latter and at about the same angle.

The depressions *E* and *f* form together spear-head-shaped depressions, the upper arms of which are longer and deeper than the lower arms thereof.

In use, when the wet soap is rubbed upon the plate D, portions of it are cut off by the ridges *F* and deposited in the depressions *E* below the same, and between the ridges *e*, so that soap is distributed more or less equally over the whole board. When the wet clothes are then rubbed thereon, they have many points of contact with the soap on the board, so that they will be sooner and more effectually cleaned. The soap-pockets *E* being inclined in one direction and depressions *f* in opposite directions, the soap-water in descending the board will take a zigzag course, and will be consequently retained longer on the board, thus economizing in soap.

I am aware that corrugated metallic rubbing plates or surfaces have heretofore formed part of wash-boards, and such I do not claim broadly; but,

Having described my invention, I claim—

1. In a wash-board, the metallic rubbing-plate D, secured to the back board, C, and provided with the equidistant transverse rows of equidistant spear-head-shaped corrugations, of which the lower ridges, *F*, are higher than the upper ridges, *e*, and the spear-head-shaped depressions situated between said corrugations, and having their upper arms, *E*, considerably deeper than their lower arms, *f*, so that the former will act as soap-pockets and the latter as escape-channels for the soap-water when the board is in use, substantially as specified.

2. As an article of manufacture, a wash-  
board composed of a frame, A, having the  
back board, C, the legs *a a* at its bottom, and  
the soap-receptacles *a'* at the top, and the rub-  
5 bing-plate D, provided with the equidistant  
transverse rows of equidistant spear-head-  
shaped corrugations F and *e*, and the equidis-  
tant transverse rows of equidistant depres-  
sions E and *f*, all arranged substantially as  
and for the purpose specified.

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Witnesses:

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