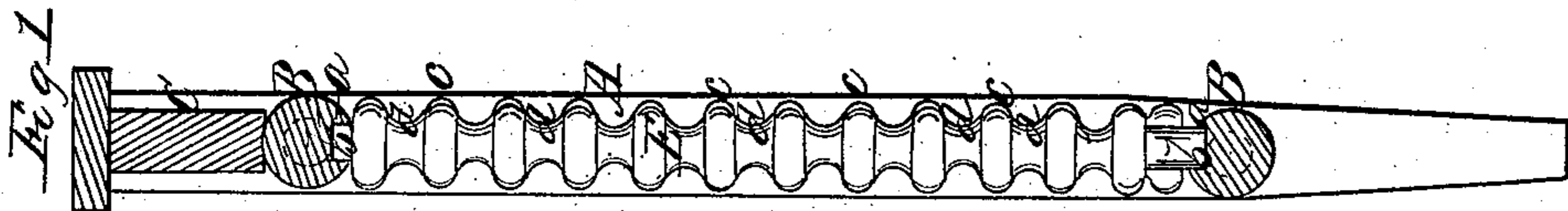
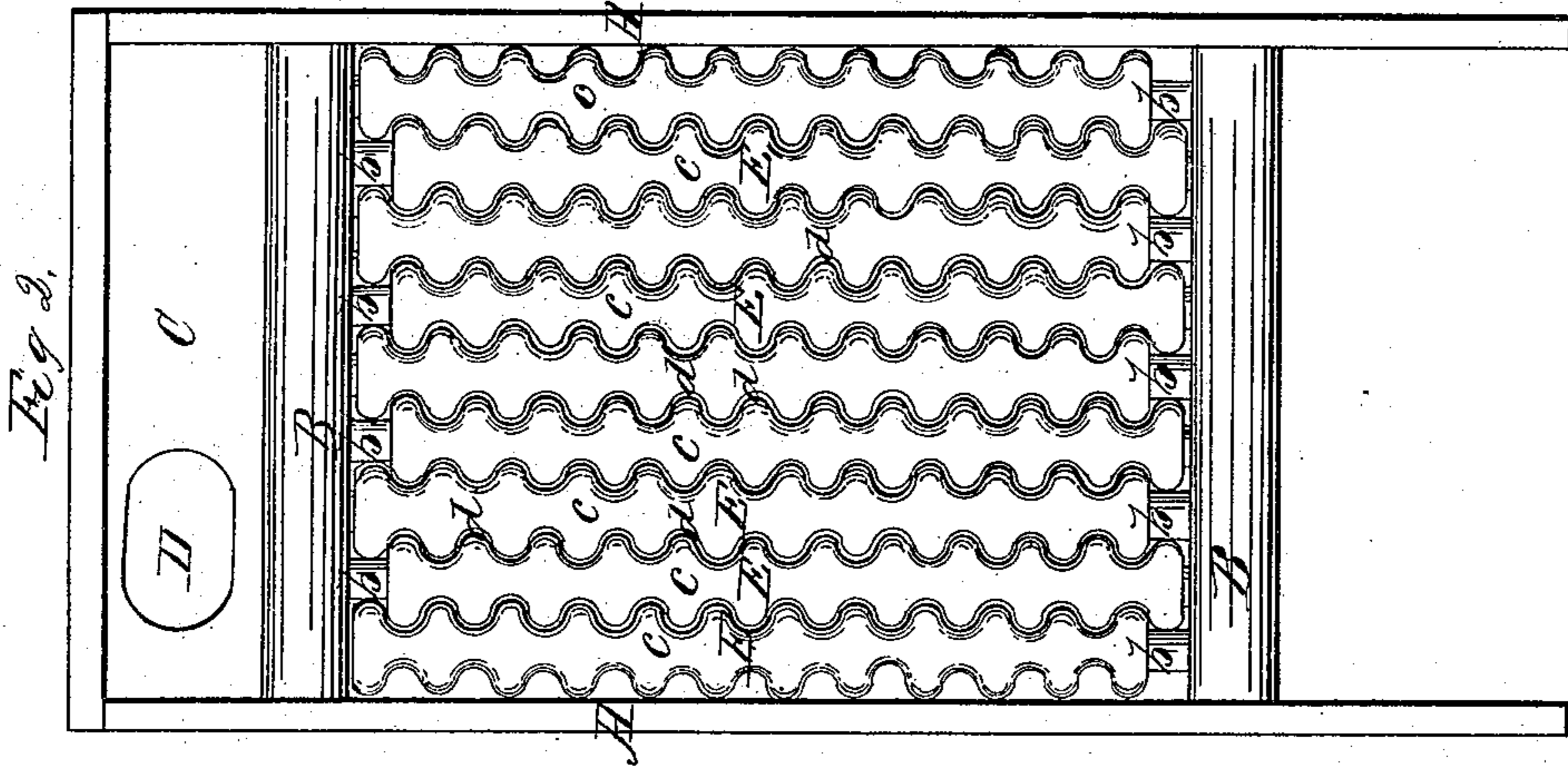


*R. Hatch,*

*Wash-Board.*

*N<sup>o</sup> 14,638.*

*Patented Apr. 8, 1856.*



# UNITED STATES PATENT OFFICE.

ROYAL HATCH, OF STRAFFORD, VERMONT, ASSIGNOR TO HENRY C. HATCH.

## WASHBOARD.

Specification of Letters Patent No. 14,638, dated April 8, 1856.

*To all whom it may concern:*

Be it known that I, ROYAL HATCH, of  
Strafford, in the county of Orange and State  
of Vermont, have invented a new and useful  
5 Improvement in the Construction of Wash-  
boards; and I do hereby declare that the  
following is a full, clear, and exact descrip-  
tion of the same, reference being had to  
the annexed drawings, making a part of  
10 this specification, in which—

Figure 1, is a longitudinal section of my  
improvement. Fig. 2, is a side or face view  
of the same.

Similar letters of reference indicate cor-  
15 responding parts in the two figures.

My invention consists in forming the faces  
or sides of the wash board of beaded rounds,  
which are placed side by side, the beads of  
every alternate round fitting in the hollows  
20 of the intermediate rounds as will be herein-  
after fully shown and described, so that a  
perfect corrugated surface is obtained for  
the clothes to be rubbed over, and one that  
will allow the water to pass through and  
25 still retain the suds.

To enable those skilled in the art to fully  
understand and construct my invention, I  
will proceed to describe it.

A, A, represent the two side pieces of the  
30 wash board, and B, B, are two cylindrical  
rails, which are secured, one at the upper,  
and the other at the lower parts of the side  
pieces; the rails and side pieces forming a  
rectangular frame, as shown clearly in Fig.  
35 2. Above the upper rail B, and between the  
two side pieces A, A, there is secured a flat  
strip C, which has a recess D, made in it  
to receive the soap.

The inner sides of the rails B, B, have  
40 longitudinal recesses (a) made in them in  
which tenons (b) on the ends of beaded  
rounds E, are fitted. The form of these  
beads (c) is distinctly shown in both figures,  
and they are at equal distances apart, the  
45 cavities or hollows (d) between the beads  
corresponding inversely with the beads.  
The rounds E, are placed side by side the  
beads (c) of every alternate round, being  
fitted in the cavities or hollows (d) of the  
50 intermediate rounds, as plainly shown in  
Fig. 2.

By this mode of construction a perfect  
corrugated surface is obtained for the  
clothes to be rubbed against, and the water  
which is absorbed by the clothes and ex- 55  
pressed from them while being rubbed over  
the corrugated surface will pass between  
the beaded rounds, but the suds will be re-  
tained upon its surface, the spaces between  
the rounds being sufficiently wide to allow 60  
the water to pass through, but still so nar-  
row that the suds cannot pass through with  
it. The clothes consequently while being  
rubbed are fully acted upon by the soap,  
and the clothes may be washed in a per- 65  
fect manner and with much greater facility  
than the ordinary wash boards in use.

I am aware that washboards constructed  
with beaded rounds have been previously  
used, but arranged differently from the plan 70  
herein shown. The beads for instance are  
placed in line with each other, so that quite  
large openings are formed by the cavities  
or hollows, and these openings allow the suds  
to pass through, and the water as it is ex- 75  
pressed from the clothes passes directly  
through the openings, thereby causing the  
clothes to be deprived of the necessary  
amount of soap and moisture while being  
rubbed over the beaded rounds. My im- 80  
provement obviates this difficulty.

I do not claim the beaded rounds irre-  
spective of the manner in which they are ar-  
ranged or fitted together, for they have been  
previously used, but 85

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

The beaded rounds E, when secured in  
the frame of the board as shown, viz., by 90  
having tenons on the ends of the rounds  
fitted in the grooved rails B, B, and the  
beads (c) of every alternate round, fitted  
in the cavities or hollows (d), of the in-  
termediate rounds, as herein shown and de- 95  
scribed for the purpose specified.

ROYAL HATCH.

Witnesses:

SAMUEL MOORE,  
A. P. ALGER.