

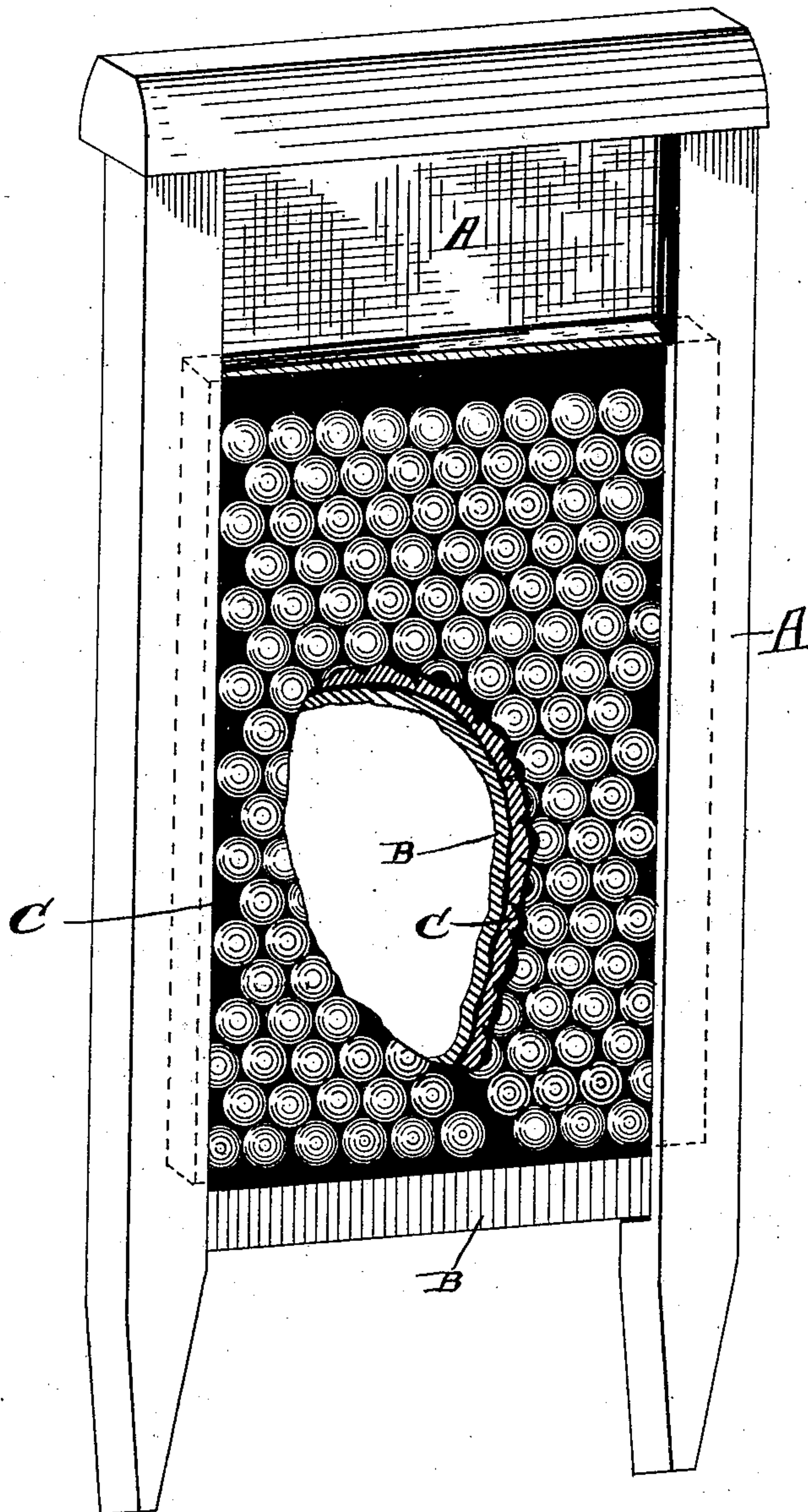
(No Model.)

J. R. CLUXTON.

COMPOUND FOR THE SCRUBBING SURFACES OF WASHBOARDS.

No. 406,427.

Patented July 9, 1889.



Witnesses

*Chas. H. Levitt*  
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Inventor

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# UNITED STATES PATENT OFFICE.

JAMES R. CLUXTON, OF XENIA, OHIO.

## COMPOUND FOR THE SCRUBBING-SURFACES OF WASH-BOARDS.

SPECIFICATION forming part of Letters Patent No. 406,427, dated July 9, 1889.

Application filed May 16, 1889. Serial No. 310,991. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES R. CLUXTON, of Xenia, in the county of Green and State of Ohio, have invented certain new and useful  
5 Improvements in Compounds for Scrubbing-Surfaces of Wash-Boards, &c; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the let-  
10 ters of reference marked thereon, which form part of this specification.

The drawing represents in sectional perspective a view of a wash-board provided with my improved scrubbing-surface.

15 This invention is an improved compound for making the scrubbing-surfaces of wash-boards and for other uses in the arts wherein a water-proof hard and light body is desirable; and it consists in the novel preparation  
20 and combination of ingredients, which, when first incorporated and heated, will be plastic, and may then be molded, but which subsequently becomes hard, smooth, and water-proof.

25 The compound consists of the following ingredients in about the proportions stated: four pounds powdered fire-clay, one pound of litharge, one pound of Spanish white, one-half pound finely granulated or powdered wood,  
30 one-fourth pound of pitch, (pine,) and one-fourth pound of gum-shellac. These ingredients are intimately mixed and incorporated into a homogeneous plastic mass by heating with the addition of a suitable solvent or ve-  
35 hicle, if desired—such as boiled oils—until the batch becomes viscid and tough. While still hot it can be molded into desired shapes, and as it cools it becomes set and hardened and capable of withstanding rough usage  
40 without cracking or breaking.

I preferably add to the above ingredients equal parts of asphaltum-varnish and linseed-oil, sufficient to make a thick paste thereof before or during the heating of the  
45 mass, the varnish and oil facilitating the incorporation of the ingredients.

In making wash-board an ordinary wooden frame A may be employed having a wood back B, upon which a layer C of the mixture is laid while hot, and a suitable surface given  
50 to the layer by molding or by a properly-indented roller; or the scrubbing-surface C may be molded separately and subsequently attached to the frame, as found desirable or convenient.

By "Spanish white" I refer to ground chalk or whiting, and by "asphaltum-varnish" liquid asphaltum, not the solid or gum. The amount of oil and asphaltum-varnish required in mixing a batch of ingredients of the pro-  
60 portions stated is about one pint of each.

The compound is also adapted for use in making ornamental designs for finishing the exteriors of houses, door-panels, window-frames, &c.

65 I employ fire-clay for bulk and drying qualities and wood-dust for bulk and lightness, litharge as a drier, and shellac, varnish, and pitch for waterproofing and toughness when mixed together.

The articles produced by this compound are hard and smooth, will not crack or splinter, and are light and durable, and will not mold or stain articles cleansed thereon if applied to a wash-board, as described.

75 What I therefore claim is—

The herein-described compound, consisting of powdered fire-clay, Spanish white, litharge, powdered or granulated wood, gum-shellac, pitch, and a solvent oil, mixed and incorpo-  
80 rated substantially in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JAMES R. CLUXTON.

Witnesses:

WILLIAM HUSTON,  
ABNER S. BUCK.