(No Model.) 2 Sheets—Sheet 1.

G. A. BARNES.

BRUSH.

No. 431,866. Patented July 8, 1890.

Fig. 1

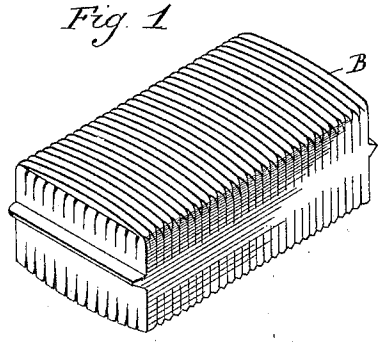
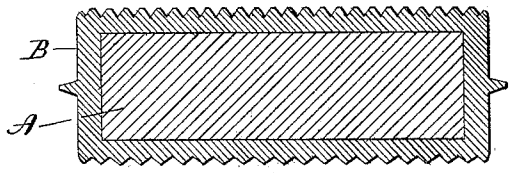


Fig. 2



Witnesses.
J. A. Shumway.
Lillian D. Kelsey.

George A. Barnes.
Inventor
By atty's.
Earle & Seymour

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

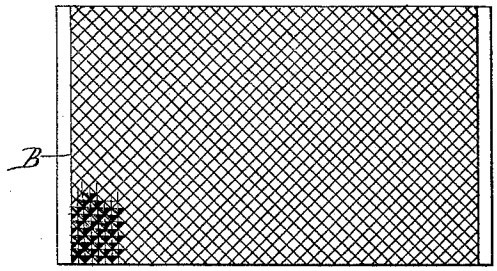
(No Model.) 2 Sheets—Sheet 2.

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Fig. 3



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UNITED STATES PATENT OFFICE.

GEORGE A. BARNES, OF NEW HAVEN, CONNECTICUT.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 431,866, dated July 8, 1890.

Application filed January 6, 1890. Serial No. 335,975. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. BARNES, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Brushes; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in perspective of a bath-brush, showing one form which my improvement may assume; Fig. 2, a view thereof in vertical longitudinal section; Fig. 3, a view illustrating the surface of the brush on the side opposite that shown in Fig. 1.

My invention relates to an improvement in brushes particularly designed for bath-brushes, but applicable to other uses, the object being to provide a cheap, light, durable, and effective brush.

With these ends in view my invention consists in a brush composed of a light core, of wood, paper, or equivalent material, and a molded envelope of rubber inclosing the said core and having its surface corrugated or roughened, so as to take hold of anything to which it is applied.

My invention further consists in certain details of construction, as will be hereinafter described, and pointed out in the claim.

As herein shown, the brush is provided with a core A, of wood, which is completely inclosed within an envelope B, of rubber, which is molded around it and having one surface provided with parallel transverse ribs and the opposite surface with teeth or projections, which may be compared to the teeth of a file, as seen in Fig. 3. The rubber envelope also includes a thin flange or fin extending across the ends of the brush between the said surfaces and useful in cleaning the nails when the brush is employed as a hand-brush. If desired, however, the said fin may be dispensed with.

By employing a core for the body of the brush, as herein shown, the amount of rubber required is greatly reduced and the specific gravity of the brush made so light that it will readily float upon water, making it particularly convenient for a bath-brush.

The roughened surface of the rubber adapts the brush to take hold, as it were, of the objects to which it is applied and makes it particularly effective in cleaning the hands or in cleaning soiled fabrics.

It is apparent that in carrying out my invention the brush may take other forms than that herein shown. I would therefore have it understood that I do not limit myself to the exact form and construction herein shown, but hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

I am aware that a flexible brush having a back composed of a thin flexible core and a rubber envelope inclosing the same, and provided with tufts of bristles entering the core through openings in the envelope, is not new. I am also aware that a brush of solid rubber having both faces provided with short teeth or ribs is not new. I do not, therefore, broadly claim a core inclosed by a rubber envelope, or a rubber brush having both sides toothed or corrugated; but,

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

A brush or scrubbing-tablet composed of a light bulky core and a thin molded rubber envelope inclosing the same and sealing it in and having its surface toothed or configurated in low relief, substantially as described.

GEO. A. BARNES.

Witnesses:
FRED C. EARLE,
LILLIAN D. KELSEY.