

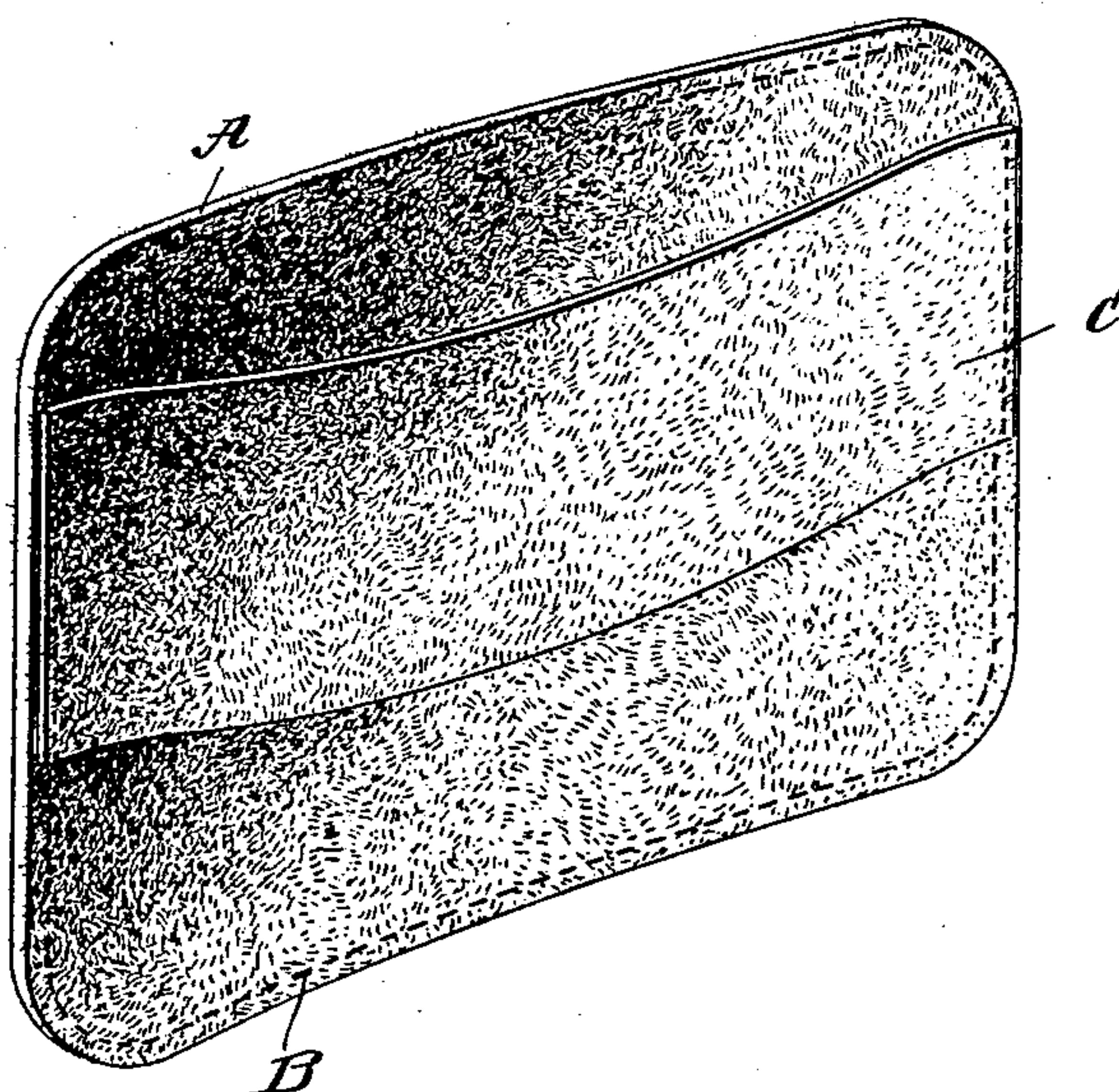
No. 680,531.

Patented Aug. 13, 1901.

J. KRISES.  
HAT CLEANING PAD.

(Application filed May 28, 1901.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOSEPH KRISES, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO  
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## HAT-CLEANING PAD.

SPECIFICATION forming part of Letters Patent No. 680,531, dated August 13, 1901.

Application filed May 28, 1901. Serial No. 62,232. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH KRISES, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Hat-Cleaning Pad, of which the following is a full, clear, and exact description.

One purpose of the invention is to provide a pad especially adapted for cleaning felt hats from dust and like matter that may settle thereon and to so construct the pad that it may be worn without inconvenience between the sweat-band and adjacent portion of the crown, said pad being thus always on hand for use, and enabling advertising or descriptive matter to be produced upon the pad and rendered visible when the hat is removed from the head or when the pad is used.

A further purpose of the invention is to so construct the pad that it will have a firmness, yet a resiliency, enabling it to be converted into a flexible brush or cleaner which will exert a biting or cleaning influence upon the felt of which a hat is composed without detracting from the flexibility of the material of the pad.

The invention consists in the novel construction and combination of the parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawing, forming a part of this specification, which represents a perspective view of the improved device.

The device comprises a body A normally flat and of any desired shape, composed of one or more pieces of felt strengthened at the margins by one or more lines of stitching B and a handle or hand-loop C, which preferably extends transversely of the body, being secured thereto at or near its ends.

In order that the results desired may be accomplished, the following composition is employed in the following manner and in substantially the following-mentioned proportions: forty-eight parts of orange shellac,

seven and one-half parts of sal-soda, one and one-half parts of (common) salt, all of which ingredients are used in connection with six gallons of water. The shellac in gum form and soda are boiled with the water for about one-half an hour. Then the salt is added and the mixture is boiled about three-quarters of an hour longer. After the final boiling about eighteen gallons of water are added, when the proportions of the ingredients are as stated, and the mixture is then ready for use.

The application is as follows: The felt is immersed in the compound and becomes saturated. The felt is then removed and the surplus compound is extracted from the felt by passing the material between wringing-rollers. Finally, the material is subjected to the action of live steam or hot air, which serves to set the shellac in the felt, thus stiffening it without destroying its flexibility, while a uniform nap on the surface of the felt is raised, which takes hold of the surface of the hat to be cleaned, effectually removing any dust that may adhere thereto. The pad will have sufficient resiliency to remain in the crown of the hat when so placed until it is purposely removed.

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

1. As an improved article of manufacture, a hat-cleaning pad consisting of a felt body containing shellac and soda, whereby the felt body is rendered more resilient and flexible, for the purpose set forth.

2. As an improved article of manufacture, a hat-cleaning pad consisting of a felt body in which are incorporated shellac and sal-soda, the face of the body being provided with a nap, for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH KRISES.

Witnesses:

J. FRED. ACKER,

EVERARD BOLTON MARSHALL.