

UNITED STATES PATENT OFFICE.

WILLIAM M. WATERBURY, OF NEW YORK, N. Y., ASSIGNOR OF TWO-THIRDS OF HIS RIGHT TO JOHN A. COOKE, OF SAME PLACE.

IMPROVEMENT IN HAT-SWEATS FROM WATER-PROOF PAPER.

Specification forming part of Letters Patent No. 121,829, dated December 12, 1871.

To all whom it may concern:

Be it known that I, WILLIAM M. WATERBURY, of the city, county, and State of New York, have invented a new and useful Improvement in Hat-Sweats; and that the following is a full, clear, and exact description of the same.

The nature of this invention is an improvement in sweat-bands for hats, caps, &c., so that they may be constructed in a more durable and economical manner. The invention consists in making sweat-bands for hats, &c., of paper, in the manner hereinafter described.

Sweat-bands are ordinarily constructed of leather—either with or without a plain surface—and such sweat-bands are objectionable by reason of their porosity, which allows them to become saturated with perspiration, in this way staining the hat, and, when dry, becoming stiff and uncomfortable to the wearer; besides, leather sweat-bands are expensive.

To obviate these various difficulties I construct the sweat-bands in the following manner: First, by taking any good, stout, tenacious paper, in sheets of suitable size and thickness, a solution of Wood's Buckeye soap, (dissolved in cold water,) to which has been added glycerine in proportion of about one-third the solution. This mixture being heated, the paper is passed through it, pad-

ded rolls being used to force the solution into the paper. The paper passes from this process over steam-drums, on which it is dried; after which it is covered, on one or both surfaces, with a solution of gum damar and Venice turpentine. This last solution may be colored to any desired tint by suitable pigments. The solution of gum damar and Venice turpentine should be applied in a room having a temperature of 100°, or thereabout.

Paper thus prepared may be diced or embossed in any desirable manner, and, when cut into strips and sewed to the inside of a hat, it cannot be distinguished from leather.

It is obvious that paper thus prepared is well adapted to many purposes; and, therefore, I do not wish to limit myself to its application to sweat-bands alone.

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

As a new article of manufacture, sweat-bands made from paper treated substantially in the manner hereinbefore described.

WM. M. WATERBURY.

Witnesses:

H. L. WATTENBERG,
G. M. PLYMPTON.

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