

# UNITED STATES PATENT OFFICE.

WILLIAM E. DOUBLEDAY, OF BAY RIDGE, NEW YORK, ASSIGNOR TO ELLEN M. DOUBLEDAY, OF SAME PLACE.

## MANUFACTURE OF FUR-FACED FABRICS.

SPECIFICATION forming part of Letters Patent No. 254,938, dated March 14, 1882.

Application filed November 1, 1881. (No specimens.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. DOUBLEDAY, a citizen of the United States of America, residing at Bay Ridge, in the county of Kings and State of New York, have invented certain new and useful Improvements in Manufacturing Fur-Faced Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to facilitate the production of fur bats and the subsequent sticking and scalding of the same to a previously felted and sized hat-body in the manufacture of that class of hats which have a loose flowing nap of fur; and to this end the invention consists essentially in constructing a bat of a layer of fur and a superimposed layer of loose cotton applied to one side thereof before the fur is removed from the reticulated surface upon which it is deposited.

In the carrying out of my invention I propose to use any of the well-known appliances for forming bats of either wool or fur, and which therefore need not be described. In working such machinery I prefer to use an exhausted reticulated revolving cone, and deposit thereon a thin layer of fur by means of any of the well-known mechanism in common use for picking or blowing fur or wool toward or upon such cone. After a sufficient quantity of fur has been thus deposited upon the reticulated surface I propose to deposit an outer layer of cotton, preferably by the use of the same mechanism; and I usually, in performing this part of the operation, distribute the cotton to be deposited upon the feeding-apron immediately in rear of the fur which is first delivered to the cone. While the cotton is being thus applied to the fur the cur-

rent of air will ordinarily unite or interlace the fibers of cotton and fur with sufficient firmness to permit of the bat being removed from the cone; but if difficulty be found in removing the bat in this condition it may be wrapped with a cloth in the usual manner. It will of course be understood that after the bat thus formed has been placed upon a hat-body, and has undergone the usual operations of sticking and scalding, the cotton is to be removed from the flowing fur nap thus produced by the usual operation of beating up, or by the use of a brush or comb, or otherwise, as may be found most convenient.

The hat, with its applied bat, may be wrapped in a cloth or a sheet of paper, or other equivalent, prior to the operation of sticking, if found desirable.

I do not in this patent claim any invention except that specifically set forth in the claims hereto annexed, reserving to myself the right to claim all other patentable features shown or described in another application which I have filed as a division heretofore.

What I claim is—

1. The herein-described process of forming a fur bat—that is to say, by first depositing a coating of fur upon a reticulated surface and subsequently depositing a coating of loose cotton upon the fur—substantially as set forth.

2. The herein-described fur bat, consisting of a layer of fur and a superimposed layer of loose cotton, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM E. DOUBLEDAY.

Witnesses:

JOHN J. WICKSTENER,  
FRIEND PITTS.