

J. E. Pollard,

Felted Fabric.

No. 111,968.

Patented. Feb. 21. 1871.



Witnesses

S. X. Piper

L. N. Möller

James E. Pollard

by his attorney

R. W. Sedy

United States Patent Office.

JAMES EZRA POLLARD, OF FRANKLIN CITY, MASSACHUSETTS.

Letters Patent No. 111,968, dated February 21, 1871.

IMPROVEMENT IN FELTED FABRICS.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, JAMES EZRA POLLARD, of Franklin City, of the county of Norfolk and State of Massachusetts, have invented a new and useful Fabric or manufacture to be used for various purposes in the arts; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, which denotes a transverse section of such fabric.

It is composed of a backing or body, *a*, of wool or material which will felt, and a facing or surfacing, *b*, of feathers, united by the process of felting.

In making the fabric I usually take a stratum of cotton cloth and evenly spread the feathers thereon, and next cover the layer of feathers with a thin layer of wool.

Next, the two layers are to be felted in what felt-makers term a "hardener." This will cause the feathers to stick to the wool.

Next, the whole is to be applied to another bat or

mass of wool, the two wool stratum being laid together in contact, after which the whole is to be fitted by means of the hardening or felting-machine.

Next, if desirable, the combination may be subjected to the action of a fulling-mill, so as to full up the felted wool to such extent as may be necessary.

In this way a beautiful and useful fabric may be produced, one which can be employed in making hats or other articles of clothing, or may be used for covering furniture and in various other ways in the arts.

I claim—

As a new article of manufacture, the fabric, as hereinbefore explained, composed of feathers and wool, or equivalent felting material, arranged and felted, or felted and fullled, as described.

JAMES EZRA POLLARD.

Witnesses:

R. H. EDDY,

J. R. SNOW.