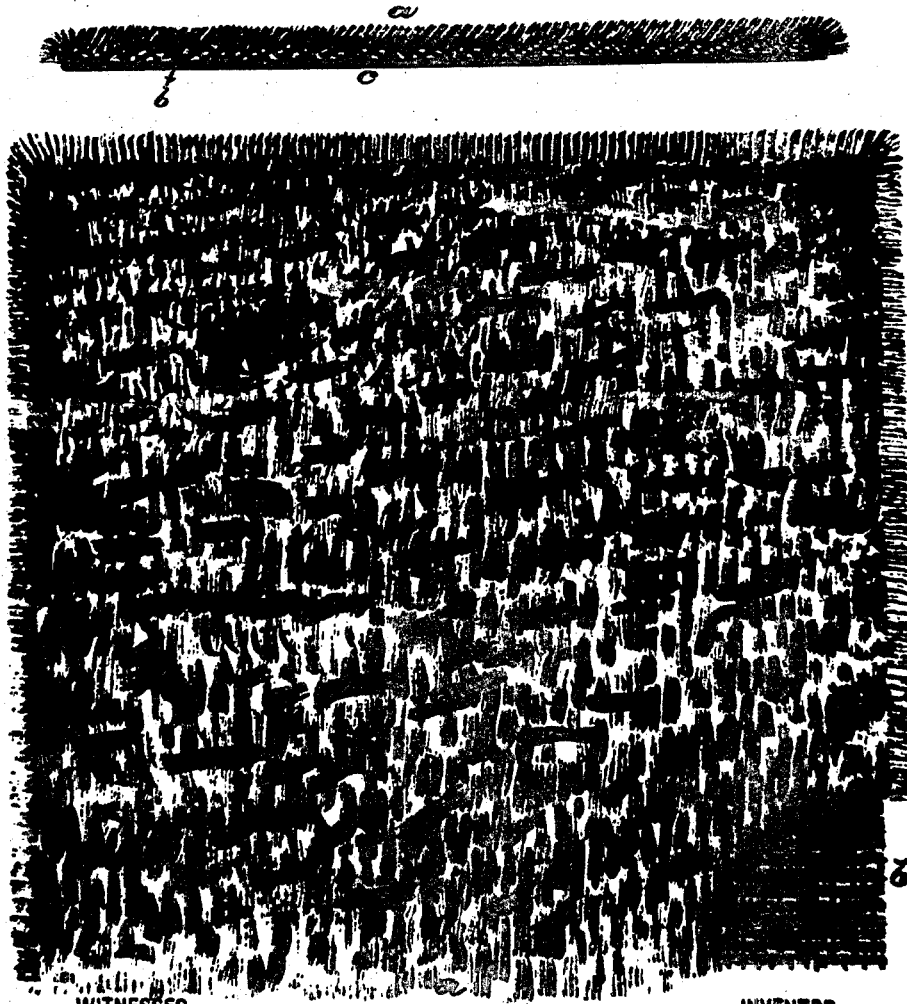


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T. GOODALL.
Nap or Plush Goods.

No. 209,805.

Patented Nov. 12, 1878.



WITNESSES

E. H. Bates
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UNITED STATES PATENT OFFICE.

THOMAS GOODALL, OF SANFORD, MAINE.

IMPROVEMENT IN NAP OR PLUSH GOODS.

Specification forming part of Letters Patent No. **209,805**, dated November 12, 1878; application filed April 5, 1877.

To all whom it may concern:

Be it known that I, THOMAS GOODALL, of Sanford, in the county of York and State of Maine, have invented certain new and useful Improvements in Nap or Plush Goods; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which are shown a sectional edge view and a plan view of my goods.

The object of my invention is to produce nap or plush goods from which the nap or plush cannot be easily worn out or drawn away. This class of goods is manufactured from wool, hair, or other fibrous substances.

The manner in which these goods are manufactured is as follows: The yarns or threads formed of the fibrous material are loosely twisted. The threads are so composed that after the cloth or goods are woven the nap or plush can be and is formed by gigging with teasels, so as to pull up the fiber of the threads or yarns composing the cloth. The nap or plush, if left without anything to hold it in place, easily pulls out and wears off by friction or contact with other objects.

When this class of goods is used for carriage or traveling rugs the plush adheres to clothing, and in time the rug will present a worn and bare appearance. This results from the loosely-woven character of the goods before referred to.

In the manufacture of these goods I make an application of paste or adhesive substance to the material to hold the nap after it has been gigged up securely and durably in its place.

In the accompanying drawings, *a* shows the teased-up nap; *b*, the body of the goods. *c* indicates where the paste is applied.

I apply a paste or adhesive substance to the goods, which paste, being absorbed into the threads or yarns of the material, glues and

holds the brushed-up nap or plush in its place on the cloths and the threads thereof. This application is made not to the front or face of the material, for then it would have the effect to clot it, or to glue or fasten together several of the fibers composing the plush, and thus make the surface of the goods stiff and harsh.

I make my new article of manufacture in plush or nap goods by first gigging up the nap or plush out of the loosely-woven fibers on the front side, and by then applying to the back side of the goods a paste uniformly and evenly, and in a semi-liquid state. This, becoming absorbed by and into the teased-up nap and into the threads of the material, holds the partially-loosened fibers of the plush in place.

The adhesive substance does not reach the front side, so as to effect the softness or uniformity of the fiber forming the plush. This article of manufacture is thus strong and durable. The goods are much used for carriage or traveling rugs.

I am aware of the patent of N. Hill, No. 28,484, and dated May 29, 1860; but this differs from mine in using the glue to hold a lining to the back side of the goods.

I claim—

As a new article of manufacture, the nap or plush fabric herein described, formed from loosely-twisted yarns or threads, and having the fibers that form the nap or plush held in place by means of a coating of adhesive cement applied to the back of the fabric, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

THOS. GOODALL.

Witnesses:

GEO. B. GOODALL,
E. M. GOODALL.