

UNITED STATES PATENT OFFICE.

THOMAS H. DUNHAM, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CARPET-LININGS.

Specification forming part of Letters Patent No. **173,779**, dated February 22, 1876; application filed June 3, 1875.

To all whom it may concern :

Be it known that I, THOMAS H. DUNHAM, of the city of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Carpet-Linings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention consists in fabrics for carpet-linings saturated with tar-compound, composed of tallow, tar, ocher, sulphur, rosin, alum, madder, turmeric or other equivalent coloring matter, clay, chalk, whiting, baryta, sulphate of ammonium or other soluble salt of an alkali or alkaline earth, also camphor or other aromatic equivalent, by which the carpet-lining is rendered fire and water-proof, having bright colors and capable of being printed, and also having aromatic odors, rendering it moth and vermin proof. The carpet-lining now in general use is made of waste formed into a sheet and put in a bag of paper.

My invention produces a carpet-lining of great durability, wearing as long as any ordinary carpet, and may be used as such, and may be taken up as often as the carpet, without any more injury in cleaning or taking up and putting down than the carpet. It will not soak water or suffer injury from water, and may be taken up and used in case of need as a protection from injury to furniture or carpets, in case of fire or accidents. It is a useful and durable carpet or carpet-lining, which may be printed in colors, and will give

a sure protection from vermin, allowing the dirt to be kept from its surface, so as to prevent the carpet from wearing on the surface.

I will now state more fully the manner of carrying out and manufacturing according to my invention.

I immerse the fabrics, such as burlaps or coarse cloth, in a tar-compound heated 212° Fahrenheit, and composed of three pounds potash, five pounds rosin, ten to twenty pounds alum, ten to twenty pounds of tallow or oils to every barrel of tar. I then add five to ten pounds of crude sulphur, to give a light color, or ocher, turmeric, madder, or equivalent of these, and camphor or other aromatic equivalent, whiting, clay, lime, chalk, baryta, sulphate of ammonia, or any other soluble salt of an alkali or of an alkaline earth, mineral, or other fire-proof equivalent.

I saturate the fabric thoroughly in this mixture, pressing out the compound not needed, and run it over heated cylinders or steam-drying surfaces. One side of the fabric may have a nap, or flocks may be sifted on it.

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

A carpet or carpet-lining of coarse woven fabric, impregnated with a tar-compound consisting of the ingredients as stated, and having bright colors, and being free from surface adhesiveness.

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

THOMAS H. DUNHAM.

Witnesses :

J. H. PEIRCE,

CHAS. J. HEDRICK.