

# United States Patent Office.

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*Letters Patent No. 95,634, dated October 12, 1869.*

## IMPROVED ROOFING-FABRIC.

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

### *To all whom it may concern:*

Be it known that we, DANIEL P. BARTLETT and ALFRED ADAMS, of Chagrin Falls, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Cement-Roofing; and we do hereby declare that the following is a full and complete description of the same.

This invention has for its object the preparation of paper or felt for roofing, floor-covering, &c., whereby it is rendered impervious to the chemical action of the elements without deterioration of its texture; also, fitting it in a better condition for receiving a coat of cement or paint.

Many expedients have been resorted to in order to provide some cheap and durable covering for buildings, and thereby dispense with the costly stone and metallic roofing mostly employed on the more expensive class of buildings.

To this end, straw-board, paper, or felt, of various thickness and quality, has been used, preparing it by saturation with various chemical materials, or by coating it with mastic, consisting of compounds of various ingredients, all, or most of which, has been attended with much expense and with variable success, more fully successful, for the reason that the materials used for saturating or covering the paper or felt, in order to render it impervious to water and to atmospheric vicissitudes, have been of such a nature that, while they are of themselves apparently indestructible under ordinary influences, and therefore render the paper water and weather-proof for a time, their chemical action upon it is such as to destroy its texture by disintegration, the paper becoming soft, rotten, and hence of no value for roofing.

To avoid this destruction of the paper, or other like body, and obtain to it a strength, durability, and imperviousness to water, is the purpose of our invention, which consists of saturating, either with a brush or by immersion, the paper with a solution of shellac, which gives to the paper or felt a hard, smooth surface, which will not peel off, and is proof against the permeation of water and atmospheric changes, without, in any degree, injuring the strength or texture of the paper, felt, or cloth saturated therewith, or on which it may be spread.

Various colors may be given to the shellac, and a greater degree of consistence, by combining therewith a suitable pigment, compounds, or cement, and which compounds may be used, instead of using the shellac singly, in combination with the paper or felt, as before stated.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The combination of shellac-coated paper, or felt, with an oleaginous paint and cement, or either of them, substantially as set forth.

2. The application of shellac to paper, cloth, or felt, singly therewith, preparatory to the application of a coating of oleaginous paint, or in combination with said paint, substantially as described and for the purpose specified.

DANIEL P. BARTLETT.  
ALF. ADAMS.

Witnesses:

W. H. BURRIDGE,  
S. L. WILKINSON.