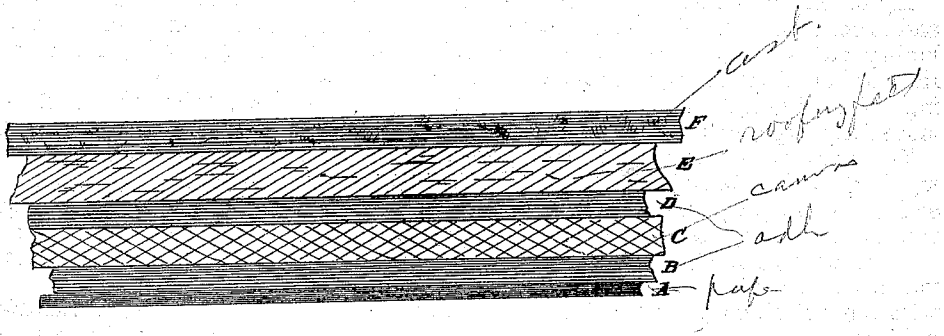
HENRY W. JOHNS.

Improvement in Roofing Fabric.

No. 125,574. Patented April 9, 1872.



Witnesses:
A. W. Almquist
L. S. Mabee

Inventor:
H. W. Johns
PER Munn & Co.
Attorneys.

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UNITED STATES PATENT OFFICE.

HENRY W. JOHNS, OF NEW YORK, N. Y.

IMPROVEMENT IN ROOFING FABRICS.

Specification forming part of Letters Patent No. 125,574, dated April 9, 1872.

To all whom it may concern:

Be it known that I, HENRY W. JOHNS, of the city of New York, county and State of New York, have invented certain new and useful Improvements in Roofing Material; and I do hereby declare that the following is a clear, full, and exact description thereof, which will enable persons skilled in the art to make and use my invention.

My invention relates to roofing material; and it consists in making a new fabric by combining with a body of canvas or similar fabric a lining of thin tough paper, and a covering of roofing-felt or paper, as hereinafter more fully explained.

The drawing represents a sectional view of my improved roofing, made on an enlarged scale, for the purpose of more clearly illustrating the arrangement of the parts.

To make my roofing, I take a sheet of canvas or similar fabric, and coat its two surfaces with any suitable adhesive compound, preferably composed, to a greater or less degree, of natural asphaltum. Upon the under surface of this prepared sheet of canvas I apply a sheet of paper, preferring, for this purpose, thin Manila paper; and upon the upper surface I secure a sheet of roofing-paper or felt.

In the drawing, A represents the Manila paper; B and D, the adhesive compound applied to the two surfaces of the canvas C; and E, the layer of roofing-paper or felt.

In manufacturing this material, the canvas is run through a vessel containing the compound, by which it is coated on both sides, and at the same time the felt is run through another vessel containing a suitable water-proofing compound, and these, together with the Manila paper, are then brought together and passed between rolls, which press them all firmly together, compacting and uniting them into a single sheet. After this is done a coating of asbestus, soap-stone, ground slate, or plumbago is applied to the surface of the felt, as represented by the layer F, for the purpose of rendering it fire-proof on its upper surface.

I propose, in some cases, to use, in place of the plain felt above described, the asbestus-felt heretofore patented to me; and in that case the additional layer F may be dispensed with.

This roofing, thus prepared, is flexible, and can be rolled and handled without injury, and is therefore in the most convenient shape to be transported, and is ready to be at once applied to the covering of roofs, or any similar purpose for which such a material is adapted.

Having thus described my invention, what I claim is—

1. The new article of manufacture herein described, consisting of a body of canvas, or similar fabric, coated on its two surfaces with an adhesive compound, with a lining or covering of plain paper applied to its under surface, and a layer of felt or roofing-paper applied to its upper surface, substantially as described.

2. In combination with the roofing prepared as above described, I claim the additional layer F, composed of fire-proof materials, as set forth.

HENRY W. JOHNS.

Witnesses:
GEO. W. MABEE,
JAMES T. GRAHAM.