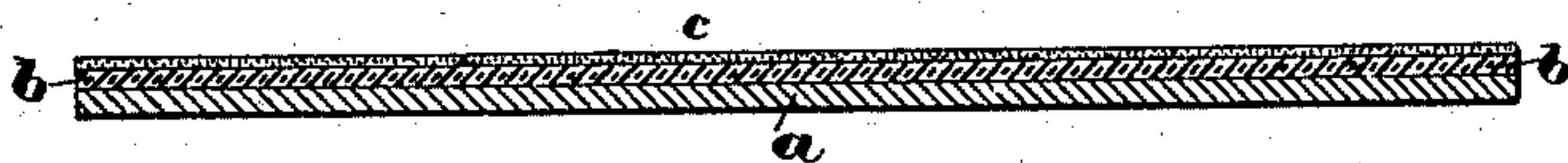


(No Model.)

W. WHITE.
ROOFING FELT.

No. 282,139.

Patented July 31, 1883.



Witnesses:

Walter E. Lombard,
O. A. Hemmenway.

Inventor:

Welcome White,
by N. C. Lombard
Attorney.

UNITED STATES PATENT OFFICE.

WELCOME WHITE, OF EVERETT, MASSACHUSETTS.

ROOFING-FELT.

SPECIFICATION forming part of Letters Patent No. 282,139, dated July 31, 1883.

Application filed January 29, 1883. (No specimens.)

To all whom it may concern:

Be it known that I, WELCOME WHITE, of Everett, in the county of Middlesex and State of Massachusetts, have invented a new and
5 useful Improvement in Roofing-Felt, of which the following, taken in connection with the accompanying drawing, is a specification.

My invention relates to an improved roofing-felt for use in covering roofs of buildings
10 to render them water-tight; and it consists of a felting composed of a sheet or sheets of soft porous roofing-paper covered upon one side with a thin coating of a composition of asbestos, soapstone, and coal-tar thoroughly mixed,
15 and of such a consistency as to saturate the paper, applied thereto while hot, and having a second thin coating of dry powdered asbestos and soapstone dusted or sprinkled thereon, and then compacted by pressure, as will be de-
20 scribed.

The accompanying drawing, forming a part of this specification, represents a section of a piece of my improved roofing-felt, in which *a* is a piece of thick, soft, and porous roofing-
25 paper. *b* is a thin coating of a composition of asbestos, soapstone, and coal-tar, thoroughly mixed and applied while hot, said composition being substantially the same as that described in another application of even date
30 herewith; and *c* is a secondary coating of asbestos and soapstone, powdered and thoroughly mixed and sprinkled or dusted thereon in a dry state. After the dry coating is applied as above described, the whole is passed
35 between pressure-rolls to compact or solidify and level the coating.

This felt may be applied to roofs in the usual way by lapping one sheet over another and nailing, in substantially the same way as shingles are laid, and make a water-tight and fire-proof
40 roofing; or it may be used in combination with an outer coating of my improved composition, or of other roofing cements or compositions, applied thereto after it has been secured in position on the roof. The complete saturation of
45 the paper in coating it with the semi-liquid or plastic composition renders it water-proof, and therefore proof against swelling and shrinking, thus obviating all danger of cracking after the roofing is completed, which is a very great
50 advantage, as heretofore the cracking of the roofing occasioned by the swelling and shrinking of the paper which formed the foundation of all plastic roofing has been the great obstacle to the success of such roofings.
55

What I claim as new, and desire to secure by Letters Patent of the United States, is—

A roofing-felt composed of a sheet of soft porous paper saturated and coated upon one side with a composition of asbestos, soap-
60 stone, and coal-tar, applied while hot, and compacted and leveled by pressure, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two sub-
65 scribing witnesses, on this 27th day of January, A. D. 1883.

WELCOME WHITE.

Witnesses:

E. A. HEMMENWAY,
WALTER E. LOMBARD.