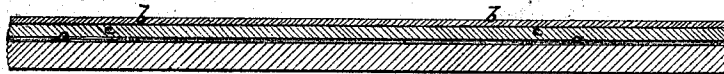


G. Shove,

Composition Roofing.

No. 107,967.

Patented Oct. 4. 1870.



WITNESSES.

P. C. Dietrich
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United States Patent Office.

GEORGE SHOVE, OF YARMOUTH PORT, MASSACHUSETTS.

Letters Patent No. 107,967, dated October 4, 1870.

IMPROVEMENT IN ROOFING.

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

To all whom it may concern:

Be it known that I, GEORGE SHOVE, of Yarmouth Port, in the county of Barnstable and State of Massachusetts, have invented a new and improved Composition Roofing; 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 make and use the same, reference being had to the accompanying drawing forming part of this specification.

The drawing represents a sectional view of a roof constructed of my improved roofing.

This invention relates to a new composition roofing, or rather to a novel combination of materials for constructing a covering for roofs.

The invention consists in the interposition, between the paper covering *a* and the coal-tar coating *b*, of a layer, *c*, of cement, which is intended to give body and substance to the roof.

The paper or other fabric usually employed is too weak to withstand the wear produced by expansion or contraction, and does not, therefore, produce a durable roof; besides, it does not expand or contract equally with the water-proof covering, and causes the

same to crack and break when exposed to sudden or considerable changes of temperature.

By interposing cement, plaster of Paris, or any composition containing lime, sand, or similar substances between the water-proof coating *b*, which may be of coal-tar or other equivalent material, and the paper or fabric base *a*, I obtain a roofing which is at once durable and elastic.

The cement is sufficiently porous to expand and contract with the different surfaces with which it is in contact, without injury to itself or to the paper or tar, and it furthermore imparts body, and consequent greater durability, to the roof.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The roof constructed of fabric, cement, and water-proof coating, as described, the cement being interposed between the fabric and the coating, as set forth.

GEO. SHOVE.

Witnesses:

GEO. W. MABEE,

ALEX. F. ROBERTS.