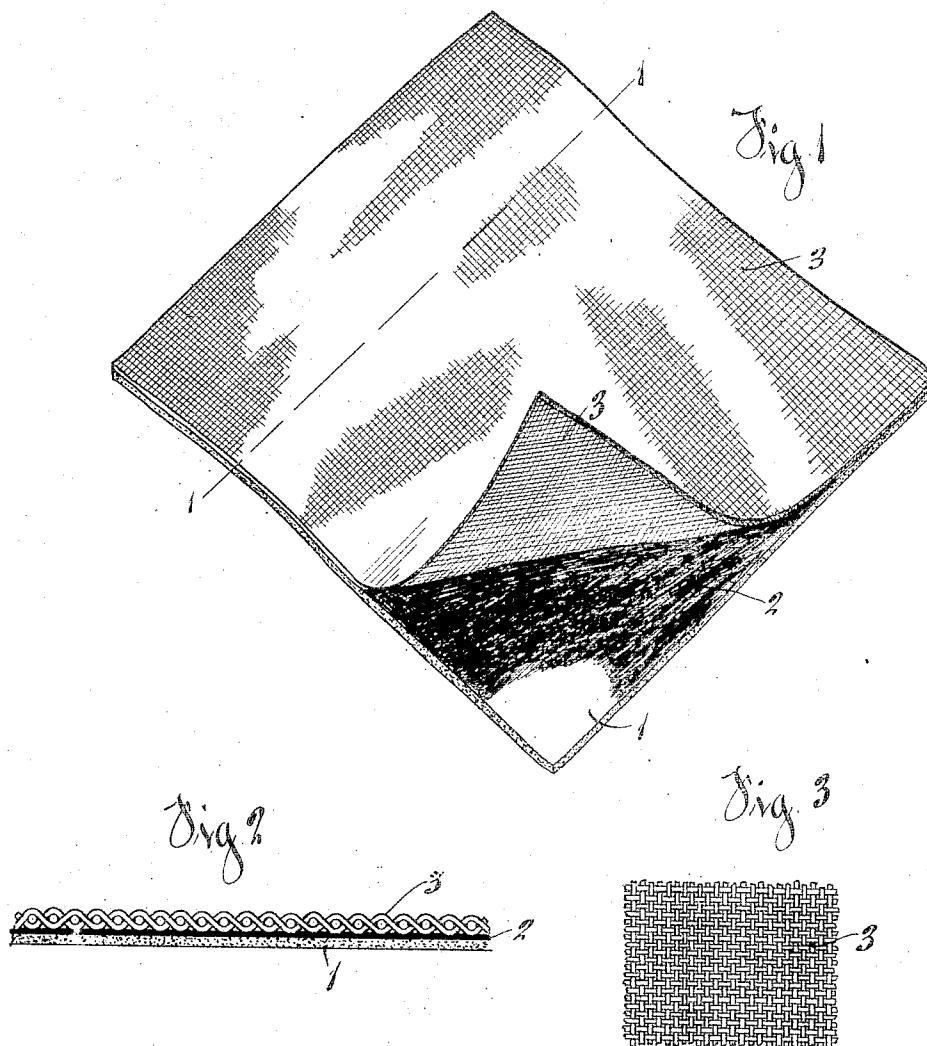


W. J. MOELLER.
 ROOFING MATERIAL.
 APPLICATION FILED JUNE 6, 1910.

1,044,558.

Patented Nov. 19, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM J. MOELLER, OF WYOMING, OHIO, ASSIGNOR TO THE PHILIP CAREY MANUFACTURING COMPANY, OF LOCKLAND, OHIO, A CORPORATION OF OHIO.

ROOFING MATERIAL.

1,044,558.

Specification of Letters Patent.

Patented Nov. 19, 1912.

Application filed June 6, 1910. Serial No. 565,321.

To all whom it may concern:

Be it known that I, WILLIAM J. MOELLER, a citizen of the United States, residing at Wyoming, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Roofing Material, of which the following is a specification.

My invention relates to improvements in coverings for roofs and the like.

The object of my invention is to provide a combined fire proof and water proof covering for roofs, siding and for other purposes.

My invention consists in providing a top layer of flexible asbestos cloth, a middle layer of flexible asphalt composition, and a bottom layer or base of flexible asbestos cloth, wool felt or asbestos paper.

My invention further consists in the several parts combined and arranged substantially as set forth.

In the drawing, which serves to illustrate the construction and use of my invention: Figure 1 is a perspective view showing a portion of my improved material. Fig. 2 is a sectional view on the line 1—1 of Fig. 1 showing the arrangement of the parts composing the material. Fig. 3 is a view of a portion of the asbestos cloth on an enlarged scale.

In the manufacture of this roofing material, I provide the ordinary wool felt, asbestos cloth, or asbestos paper, as a base 1, placing thereon a layer of asphalt composition 2 in a plastic or viscous condition and upon said asphalt layer I superpose a layer of asbestos cloth 3. The wool felt, asbestos cloth or asbestos paper on one side and the asbestos cloth on the other side of the asphalt composition being pressed thereon embeds itself into the composition and forms a coherent structure of sufficient yielding and flexible qualities to permit it to be readily and easily applied and with sufficient body to be conveniently handled. The outer layer of asbestos cloth 3 forms a thoroughly

fire proof covering, while the layer of asphalt material 2 forms a water proof covering, and the two together unite in producing a combined fire proof and water proof structure, while the layer of paper or other material used serves to form a convenient base 1 upon which said water proof and fire proof structures are mounted. This structure is impervious to all destructible elements. It will not rot, rust or wear out. It does not require coating to prevent rotting of the parts of which it is composed, no covering whatever being required to protect it from the elements. It does not require coating of any kind to prevent it from deteriorating, but the outer layer being of asbestos cloth is thoroughly chemical proof and fire proof. The structure thus produced is safer, more durable, and affords greater proof against the elements than any other structure ordinarily used for such purposes.

While I have shown and described my combined fire proof and water proof material as comprising a layer of asphalt composition having a layer of asbestos cloth embedded upon one side and a layer of paper on the other side, I do not wish to be limited to the precise details of construction and arrangement as set forth, but my invention comprises and comprehends asbestos and asphalt composition so combined and arranged as to form a structure which is proof against both fire and water or any of the other elements.

I claim:

An article of manufacture comprising a combined fire proof and water proof material consisting of an inner layer of flexible asphaltic composition, and outer layers of flexible asbestos cloth superposed thereon, substantially as set forth and for the purposes specified.

WILLIAM J. MOELLER.

Witnesses:

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