

Converse & Torry.

Composite Roofing.

N^o 64,493.

Patented May 7, 1867.

Fig. 2

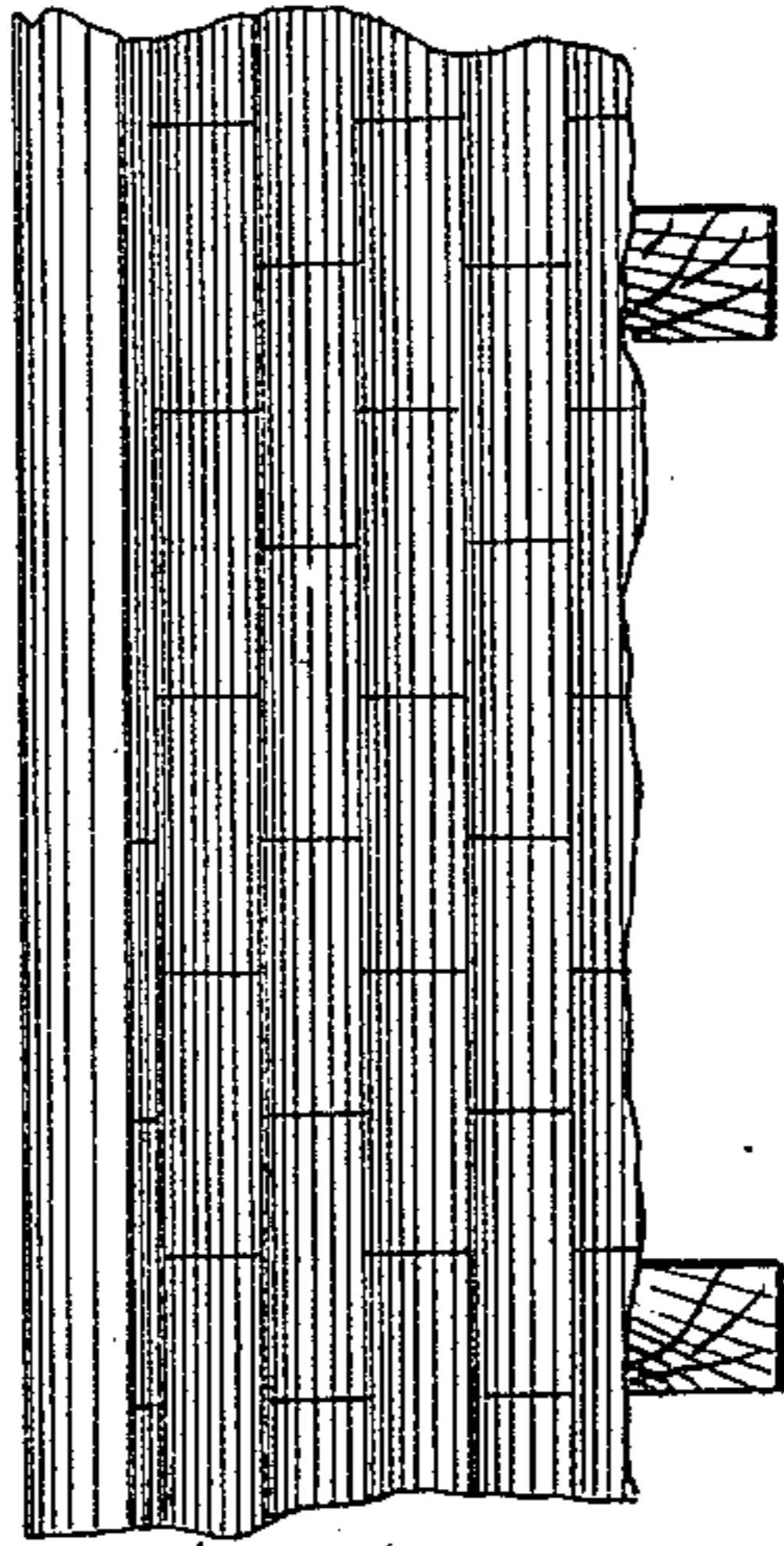
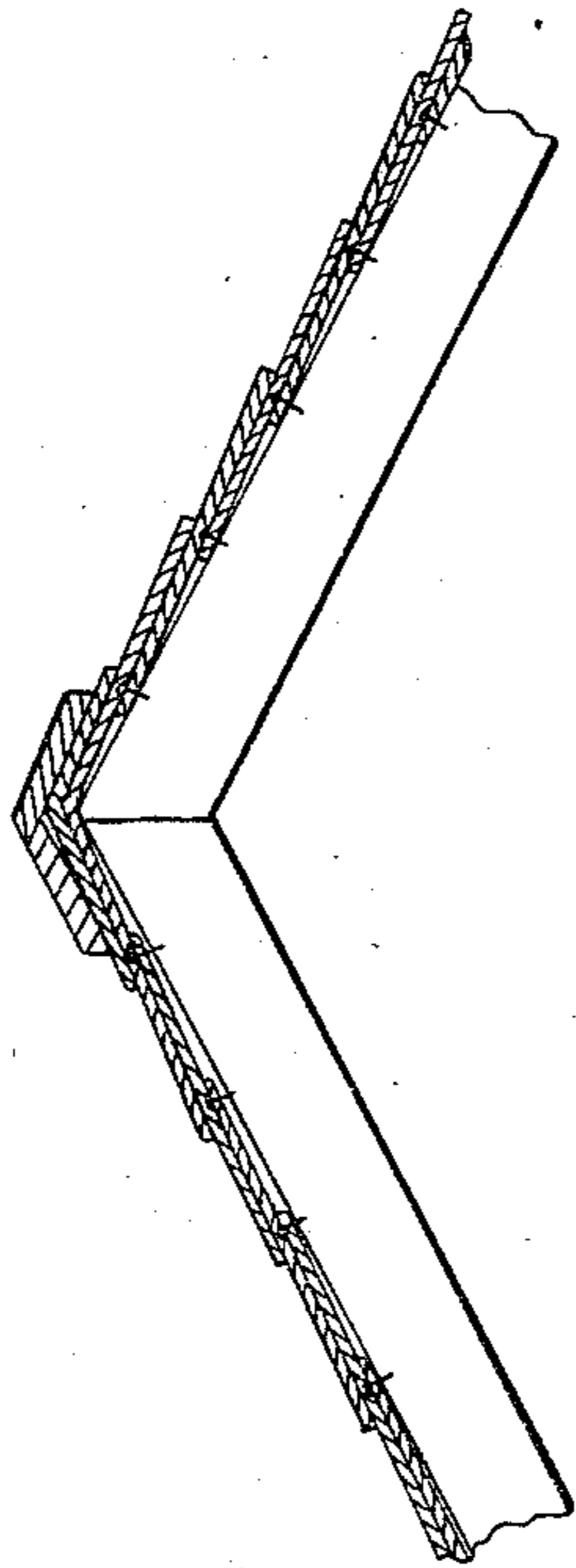


Fig. 1



Witnesses,

*Edmund
L. Murphy*

Inventors

*Marion Converse
& Torry*

by

*D. P. Moway & Co.
Their Attys*

United States Patent Office.

MARVIN CONVERSE AND AZARIAH C. TORRY, OF JORDAN, NEW YORK.

Letters Patent, No. 64,493, dated May 7, 1867

IMPROVED COMPOSITION 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 we, M. CONVERSE and A. C. TORRY, of Jordan, in the county of Onondaga, and State of New York, have invented a new and useful improvement in the Construction of Roofing for Buildings; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which is seen the mode of laying the felt upon the roof.

In preparing to lay the roof we mix coal tar and cement in the proportion of two-thirds coal tar to one-third cement. With these ingredients, thus compounded, we mix a mortar, by adding thereto and thoroughly stirring together water-lime and sand in proportion varying from one-fourth to one-half of the total quantity of lime, which proportion must be determined at the time according to the character of the ingredients. The felt is laid in this mortar, being put on in sheets like shingles, with nails having large heads, or nut nails, the heads of which rest upon metallic washers, say washers cut from sheets of tin. The felt is laid with the sheets lapping over each other, like the shingles in ordinary roofing, there being at the lower edge of the sheets three thicknesses of felt, and over each row of nails two thicknesses of felt and mortar. When the first course of felt has been fastened to the roof a coating of the mortar is applied to it, and then the second course is applied and nailed, and another coating of the mortar applied; and so when the third course is nailed the whole is covered by the mortar spread in a uniform surface over the whole roof.

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

The mode of covering roofs by coatings of felt and a mortar composed of the ingredients named, and compounded, combined, and applied substantially as set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

MARVIN CONVERSE,
AZARIAH C. TORRY.

Witnesses:

M. W. TANNER,
A. BACKER.