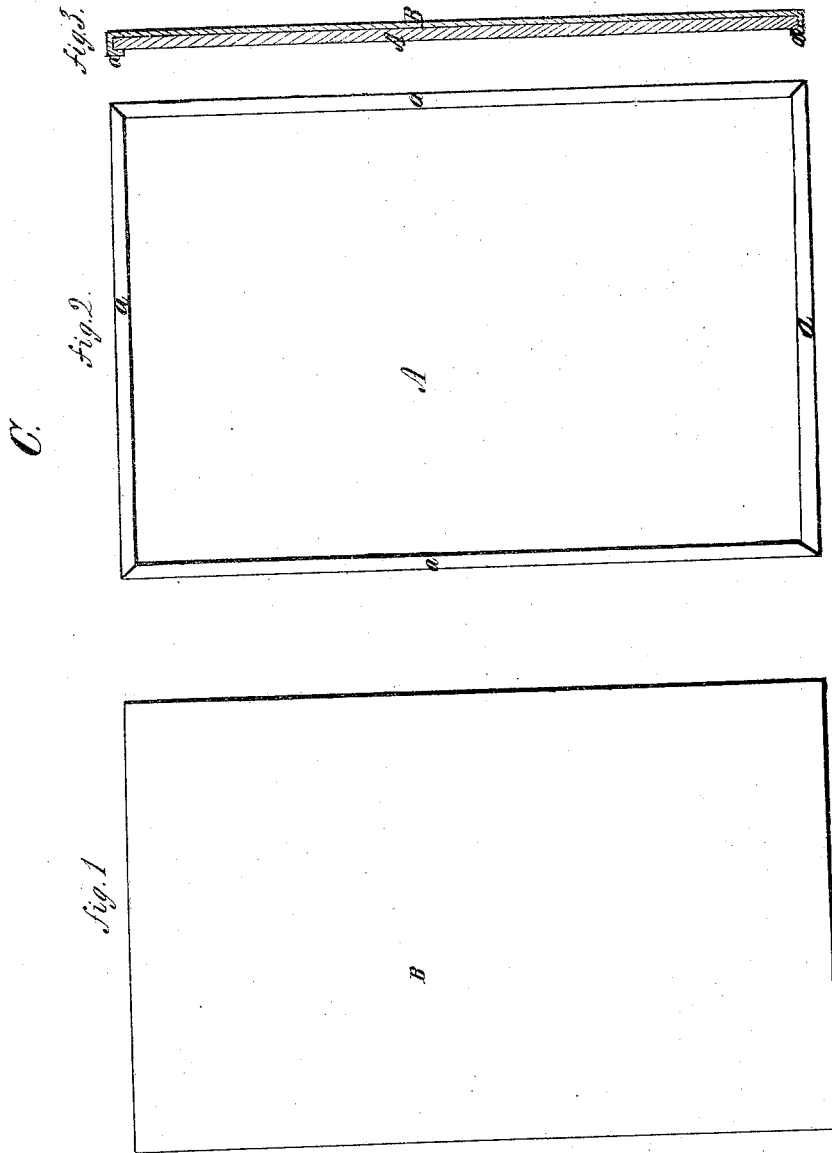


T. N. Hickox,

Shingle.

No. 113,882.

Patented Apr. 18. 1871.



Witnesses:
Thos. Haynes
J. M. Coombs

Thomas N. Hickox
per *James Coombs* *Attorney*

United States Patent Office.

THOMAS N. HICKCOX, OF BROOKLYN, NEW YORK.

Letters Patent No. 113,882, dated April 18, 1871.

IMPROVEMENT IN METAL-CLAD SHINGLES.

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, THOMAS M. HICKCOX, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and improved Shingle; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification.

This invention consists in what I call a "metal-clad shingle," composed of a piece of straw-board, binders' board, or other paper-board, of veneer or thin wood, having one of its sides and its edges covered with sheet-iron or other metal plate, by laying such plate on such side and lapping it over the edges.

Figure 1 in the drawing is a face view of a metal-clad shingle;

Figure 2 is a back view of the same; and

Figure 3 is a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in the several figures.

A is the piece of straw or other board, or thin wood, cut to the required size and shape to form the body of the shingle.

B is the metal plate which forms the covering of the exterior surface and edges of the shingle. This plate I propose generally to make of thin sheet-iron, though it might be of tin-plate or other sheet metal. It is cut of a form corresponding with the body B and of a size sufficiently larger to cover the exterior surface of the latter and lap over the edges, and a short distance, say from one quarter to half an inch over

the back thereof, as shown at *a a*, in figs. 2 and 3, and its margin is closed and clamped tightly over the edges of A in a suitable press.

After it has been thus applied and secured its surface should preferably be painted with oil-paint or other suitable water-proof compound, and may be sanded. The painting may, however, be omitted until after the shingles are applied.

The metal-clad shingles thus made may be applied and secured to a building in the same way as ordinary shingles or slates by nailing through them, and when so applied form a perfectly water-proof and fire-proof and very durable covering.

The bodies A of these metal-clad shingles may, before being covered with the metal plate B, be soaked or boiled in linseed-oil or other suitable oil or water-proof material or compound.

I am aware that sheet-metal roofing has been used with felt or other similar material glued or cemented to its under side; this I do not claim as any part of my invention; but

What I claim as my invention, and desire to secure by Letters Patent, is—

A shingle composed of straw or other board, or thin wood clad with sheet metal in the manner described, as a new article of manufacture.

THOMAS N. HICKCOX.

Witnesses:

JOHN CODDINGTON,
RICH. C. REYNOLDS.