June 3, 1924. 1,496,368

M. L. COOPER

WALL CONSTRUCTION FOR WOODEN BUILDINGS

Filed May 3, 1923

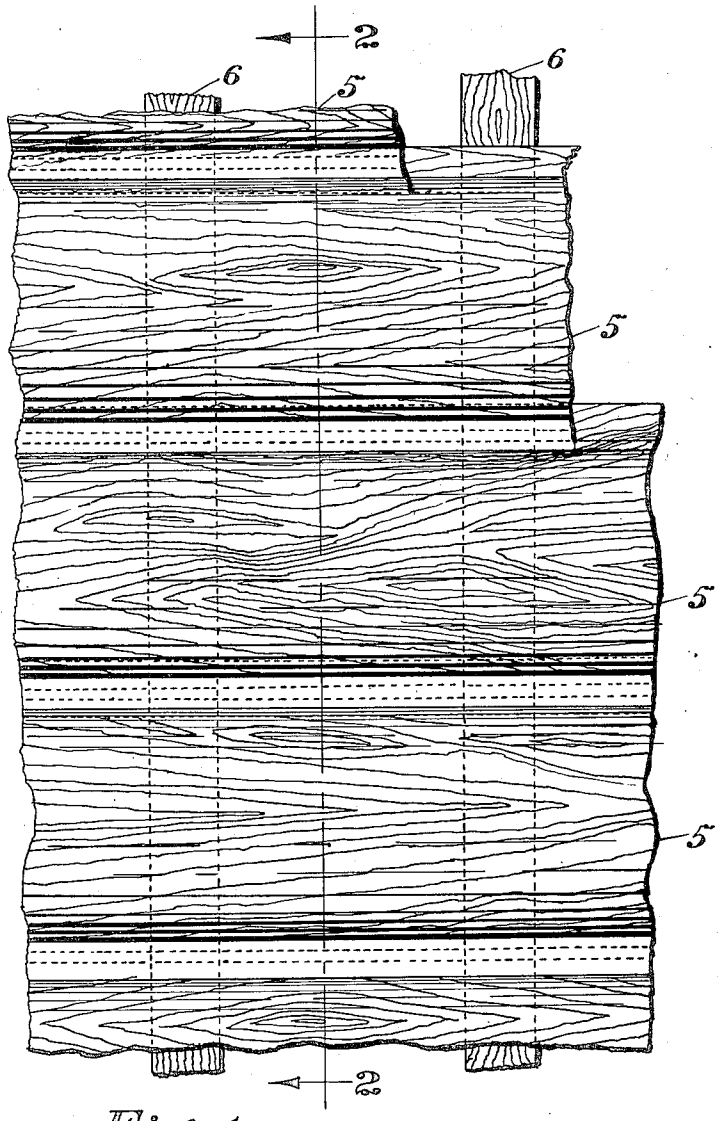


Fig. 1

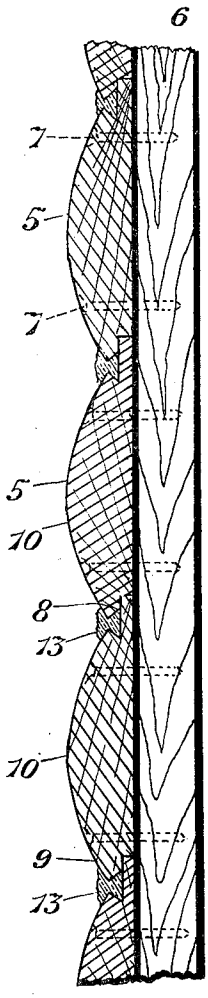


Fig. 2

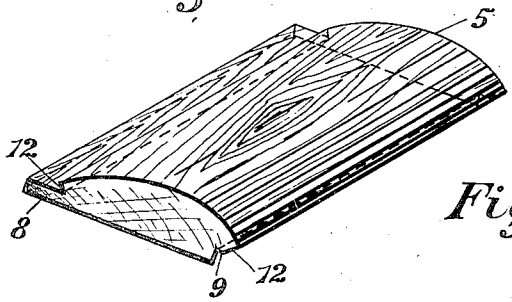


Fig. 3

INVENTOR.
M. L. Cooper

BY

ATTORNEY.

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UNITED STATES PATENT OFFICE.

MELVIN L. COOPER, OF DENVER, COLORADO, ASSIGNOR TO McPHEE AND McGINNITY COMPANY, OF DENVER, COLORADO, A CORPORATION OF NEVADA.

WALL CONSTRUCTION FOR WOODEN BUILDINGS.

Application filed May 3, 1923. Serial No. 636,427.

To all whom it may concern:

Be it known that I, MELVIN L. COOPER, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Wall Constructions for Wooden Buildings, of which the following is a specification.

My invention relates to a wall construction for wooden buildings, and its main object is to provide a water and airtight siding adapted for use in the construction of cottages, dwellings and other buildings, which closely simulates the exterior appearance of the wall of a log cabin.

With this and other objects in view, my invention consists in forming a wall of wood sections which adjoin each other in horizontal lines, and which are exteriorly shaped in conformity with the exposed portions of logs placed one upon another as in the construction of rough log houses.

The sections are connected by lap joints which are preferably proportioned to provide narrow spaces between the rounded surfaces of the sections which simulate the logs, and these spaces may be filled with cement or other plastic material to render the joints air and water tight and to still further impart to the structure the appearance of a log wall construction in which the spaces between the logs are usually filled with adobe or other mixed earth or clay.

An embodiment of my invention has been illustrated in the accompanying drawing in which like characters of reference designate corresponding parts throughout the various views and in which—

Figure 1 represents a face view of a portion of a wall constructed in accordance with my invention;

Figure 2, a section on the line 2—2, Figure 1; and

Figure 3, a perspective view of a portion of one of the members of which the wall is composed.

Referring more in detail to the drawings, the reference numerals 5 designate the members or sections of which the wall is composed and which are conjointly fastened to upright timbers 6 or other suitable supports by means of nails 7.

Each section consists of a board of plano-convex section having at one edge a tongue 8 and at its opposite edge a recess 9 of corresponding width.

The rounded portion of the board is offset from the outer surface of the tongue and the corresponding surface of the recess by inwardly beveled shoulders 12, and its curvature as at 10, is similar to that the exteriorly exposed portion of a log in the wall of a log cabin.

The tongues and the grooves of the sections are preferably proportioned so that when fitted together they produce spaces between the rounded portions of the sections, which owing to the opposed position of the beveled shoulders of adjoining sections, provide pockets of dove-tail shape to receive the fillers of cement or other plastic material which in the drawing are designated by the reference numeral 13.

The tongues of the sections are formed in the plane of the flat surfaces of the same, and the recesses are cut in the same surfaces at the opposite edges of the sections so that when the sections are assembled, they present on the interior of the wall, a flat and unbroken surface, as shown in Figure 2 of the drawings.

It will be seen that the fillers are firmly anchored in the dove-tail spaces between the sections of the wall and thereby held permanently against displacement by breakage, shrinkage or other causes. They serve to make the lap-joints between the sections impervious to air and moisture, and they cooperate with the rounded surfaces of the boards to impart to the wall an appearance closely simulating that of the log houses built by pioneers and others in the wooded sections of this country.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A wall for wooden buildings comprising a siding composed of lengthwise adjoining sections each having exteriorly of the wall, a transversely curved portion simulating the exposed part of a log in the wall of a log house, the curved portions of the sections being bevel-edged and spaced apart to provide pockets of dove-tail section, and fillers of plastic material in said pockets.

2. As a new article of manufacture, a siding member of a sectional wall for wooden buildings, consisting of a board having a

transversely curved portion, a tongue along an edge thereof and a recess of corresponding depth along the opposite edge of the same, the portion having shoulders which offset its curved surface from the outer face of the tongue and from the corresponding face of the recess.

3. As a new article of manufacture, a siding member of a sectional wall for wooden buildings, consisting of a board of plano-convex section having along an edge of its rounded portion, a tongue in the plane of its flat surface, and at the opposite edge of said portion and in the same surface, a recess of corresponding depth, the portion having shoulders which offset its curved surface from the outer face of the tongue and from the corresponding face of the recess.

4. As a new article of manufacture, a siding member of a sectional wall for wooden buildings, consisting of a board having a transversely curved portion, a tongue along an edge thereof and a recess of corresponding depth along the opposite edge of the same, the portion having inwardly beveled shoulders which offset its curved surface from the outer face of the tongue and from the corresponding face of the recess.

In testimony whereof I have affixed my signature.

MELVIN L. COOPER.