

(No Model.)

R. SWORD.
WEATHER BOARD.

No. 467,063.

Patented Jan. 12, 1892.

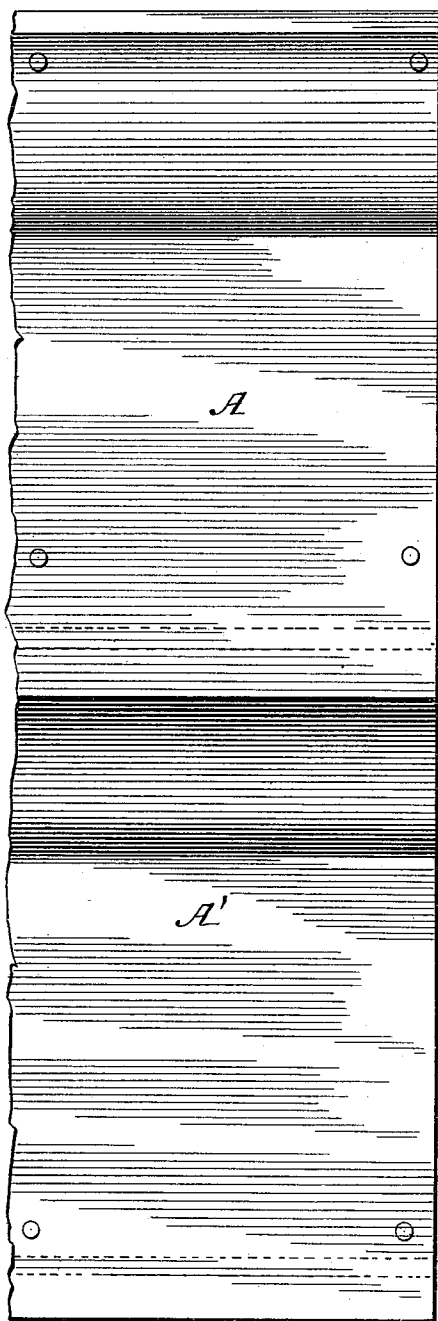


Fig. 1

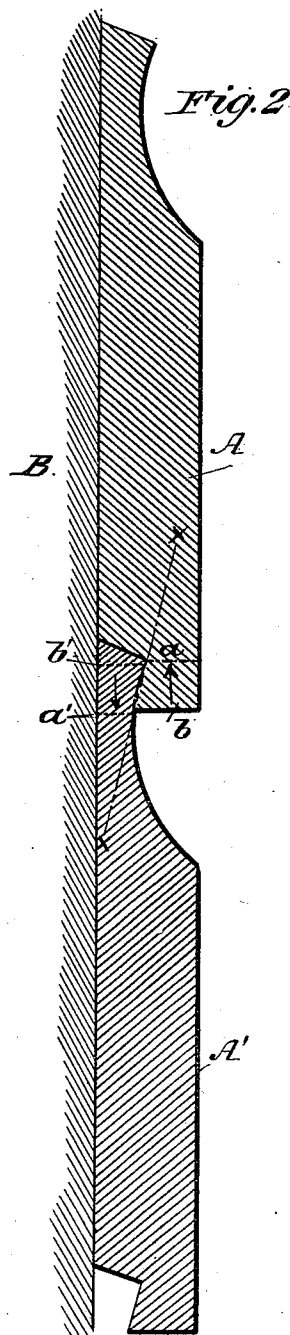


Fig. 2

WITNESSES:

Fred G. Dietrich
Edward Byrne

INVENTOR:

Robert Sword
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT SWORD, OF KEMNAY, CANADA, ASSIGNOR TO SARAH ELIZABETH SWORD, OF SAME PLACE.

WEATHER-BOARD.

SPECIFICATION forming part of Letters Patent No. 467,063, dated January 12, 1892.

Application filed April 6, 1891. Serial No. 387,889. (No model.) Patented in Canada May 7, 1890, No. 34,273.

To all whom it may concern:

Be it known that I, ROBERT SWORD, of Kemnay, Manitoba, Canada, have invented a new and useful Improvement in Weather-Boarding, (for which I have obtained Letters Patent in Canada, No. 34,273, dated May 7, 1890,) of which the following is a specification.

My invention is in the nature of an improved weather-boarding for the outer walls of a building of that form known as "drop-siding;" and it has for its object not only to prevent the opening of cracks due to the shrinkage of the lumber, but also to cause the joints to close more tightly as the lumber shrinks; and it consists in the peculiar construction and arrangement of the edges of the weather-boarding, forming a rabbeted joint adapted to secure the above results, as hereinafter fully described.

Figure 1 is a front and Fig. 2 a sectional view of my improved weather-boarding.

A A' represent two adjacent sections, strips, or planks of weather-boarding which are nailed to the studding B. This weather-boarding has its upper edge recessed upon the outside with a concave cut that leaves the thickness of its upper edge greater at b' than it is at a' a little lower down. The lower edge of each strip is rabbeted upon the inside, so as to leave the lower edge b a little thicker than on the line a a little higher up. Now when the rabbet of the lower edge of a strip of weather-boarding overlaps the upper edge of a subjacent strip the bearing-surfaces of the two strips come together in a plane which is inclined to the studding, as shown by line xx , instead of being parallel with it, and this inclination is so arranged that as the two strips A A' shrink away from each other the thicker edges b and b' of the strips are made to approach each other, which causes the joint between them to be made tighter by the wedging action. Thus it will be seen that the shrinkage, instead of opening cracks,

serves to close the joints more tightly and renders the weather-boarding specially well adapted to excluding cold in a very simple, cheap, and effective manner.

In defining my invention with greater clearness I would state that I am aware of the patents to Crabbe, No. 318,872, dated May 26, 1885, and Harvey, No. 423,050, dated March 11, 1890, and I make no claim to any such construction.

My invention is an improvement on that particular form of weather-boarding known on the market as "drop-siding," in which the upper edge of each board is provided with a concave chamfer on its outer face that forms at the top a thin tongue or lip that enters a groove in the next board above.

The chief peculiarity of my invention is that the concave chamfer at the upper outside edge of the board approaches the inner face of the board more closely at a point some distance from the edge than it does at the edge, thus giving the proper inclination to the upper surface of the chamfer to cause it to tighten with the overhanging lip of the board above, when it shrinks in contradistinction to opening a crack.

Having thus described my invention, what I claim as new is—

The drop-siding weather-boarding strip or plank having its upper and outside edge chamfered in a concave plane, with the curve of the chamfer approaching the inner side of the board more closely at a line some distance from the edge than it does at the edge, and having its lower edge recessed upon the inside, as shown, whereby the shrinkage of the boards is made to tighten the joint between them, substantially as shown and described.

ROBERT SWORD.

Witnesses:

W. A. MACDONALD,
R. G. MACDONALD.