G. F. BISHOPRIC.

WALL COVERING.

APPLICATION FILED SEPT. 9, 1918.

1,339,915. **Patented May 11, 1920.**

Fig. 1.

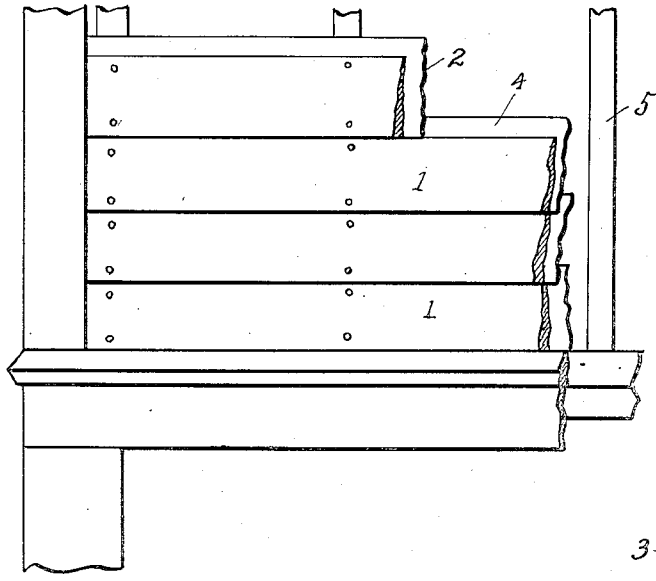


Fig. 2

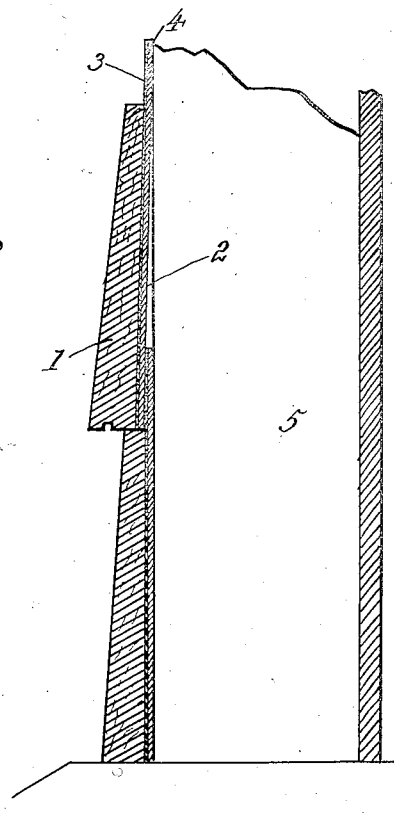
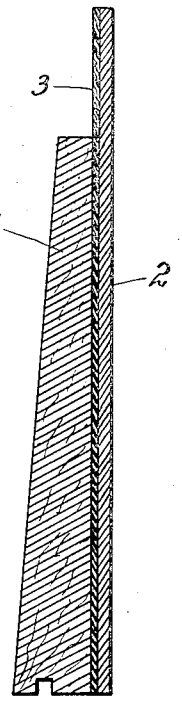


Fig. 3



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UNITED STATES PATENT OFFICE.

GEORGE FREDERIC BISHOPRIC, OF WYOMING, OHIO.

WALL-COVERING.

1,339,915. Specification of Letters Patent. Patented May 11, 1920.

Application filed September 9, 1918. Serial No. 253,214.

To all whom it may concern:

Be it known that I, GEORGE FREDERIC BISHOPRIC, a subject of the King of Great Britain, and a resident of Wyoming, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Wall-Coverings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to improvements in wall covering, and is directed particularly to the provision of a wall covering having the appearance and general characteristics of ordinary weather boarding, but which simplifies and facilitates the work of construction and makes possible, furthermore, a great saving in material.

In ordinary weather board construction, only a portion of each of the boards is exposed, the boards necessarily overlapping in order to form a seal and make the wall weather proof. In so overlapping the boards, there results, of course, the covering of a considerable strip of each board, which serves no other purpose than to seal the joint and which might thus be saved were other provision made for a satisfactory seal. The principal object of the present invention is to provide suitable means for sealing the joints between boards without requiring the overlapping thereof, thus effecting the saving referred to.

A further object of this invention is to provide a wall covering having the appearance of ordinary weather boarding, but which by reason of its being provided with other means for sealing the joints between the boards and thus not requiring overlapping, may be assembled by placing the boards edge to edge, thus facilitating the construction and obviating the necessity for using a gage or other means for maintaining the necessary parallelism between the edges as is required in the laying of ordinary weather boards.

Further objects of my invention will appear from the following detailed description thereof, reference being had to the accompanying drawings.

In the drawings:

Figure 1 is a perspective of a portion of a wall provided with covering in accordance with the present invention;

Fig. 2 is a vertical section on a larger scale than that used in Fig. 1;

Fig. 3 is a detail of one of the boards constructed in accordance with this invention.

The numeral 1 indicates a board, the same being similar in section to an ordinary weather board, that is, it is thickest at the bottom and tapers to the upper edge, as is clearly shown in the drawings. The board 1 may be of any desired width, but as, when laid, the entire width of the boards are exposed, it is not ordinarily desired that they should be of greater width than the exposed portions of weather boards as usually laid, that is, from four to five inches. Secured to the back of the board 1 is a strip of heavy cardboard, or paper, 2, the same being provided with a coating of asphalt mastic, or other suitable adhesive, 3, for the purpose. The strip of cardboard, 2, is of greater width than the board 1, and extends beyond the upper (thin) edge thereof, as clearly shown, to form a sealing flange 4.

In constructing a wall covering of boards made in accordance with the foregoing description, the said boards are placed edge to edge, as clearly shown in Fig. 2 of the drawings, the lower, thick, edge of one board abutting against the upper, thin edge of the next lower board, and the flange 4 of the lower board overlapping the edge of the board above. As thus assembled the flanges 4 serve effectually to seal the joints between the boards, and thus obviate the necessity for overlapping the boards themselves. The boards may be nailed or otherwise secured directly to the studs 5, as shown in the drawings, or, if preferred, it is obvious that ordinary sheathing may be first secured to the studding and the boards 1 secured to such sheathing. The interposition of sheathing is, however, unnecessary, as the cardboard backing 2 in connection with the boards 1 serves effectually to rigidify the construction as well as to insulate the interior of the building against climatic changes. After the boards 1 have been placed, the flanges 4 of the boards may be caused to adhere to the backs of the boards above, by heating the same in any suitable manner, such treatment causing the asphalt mastic preparation on the cardboard to become suitably adhesive for the purpose. Such treatment may, of course, only be given between the studs; over the studs the

same result is substantially obtained by the usual means for securing the boards.

The placing of the boards 1 does not, it will be seen, require any gage or other means for maintaining the proper parallelism between the edges, for the reason that this result is automatically obtained by placing the boards edge to edge. The facility with which this may be done compared with the older method required with overlapping boards, results in a considerable saving of time. It will be seen, also, that, by obviating the necessity for overlapping the boards themselves, a great saving in lumber is effected; while the cardboard backing obviates the use of, and thus saves, the ordinary paper which is customarily used under weather boards.

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

1. A weatherboard comprising in combination with the board proper, a strip of material secured to the back side of said board and arranged to extend beyond one edge thereof to form a sealing flange.

2. A weatherboard comprising in combination with the board proper, a strip of material secured to the back side of said board and arranged to extend beyond one edge thereof to form a sealing flange, and a mastic substance on the front surface of said flange.

3. A weatherboard comprising in combination with the board proper, a strip of cardboard dimensioned to cover the back side of said board and to extend beyond one edge thereof to form a sealing flange, and a mastic coating on one surface of said cardboard to cause it to adhere to said board and to render said flange adhesive.

4. A weatherboard comprising in combination with a board tapering in section from edge to edge, a strip of cardboard dimensioned to cover the back side of said board and to extend beyond the thinner edge thereof to form a sealing flange, and a mastic coating on one surface of said cardboard to cause it to adhere to said board and to render said flange adhesive.

GEORGE FREDERIC BISHOPRIC.