Nov. 22, 1927. 1,650,117

R. DORN

FASTENING FOR WALL COVERINGS

Filed Feb. 24, 1927

Fig. 1.

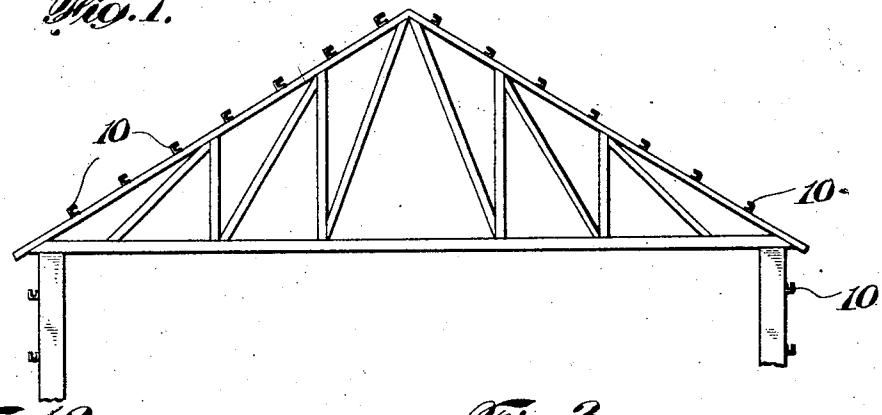


Fig. 2.

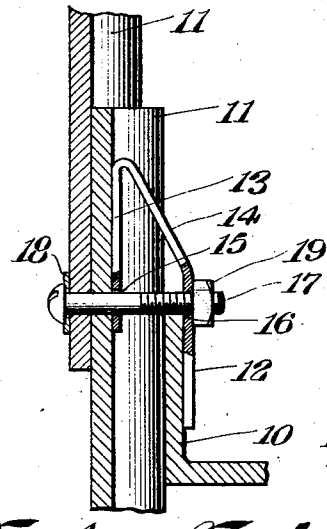


Fig. 3.

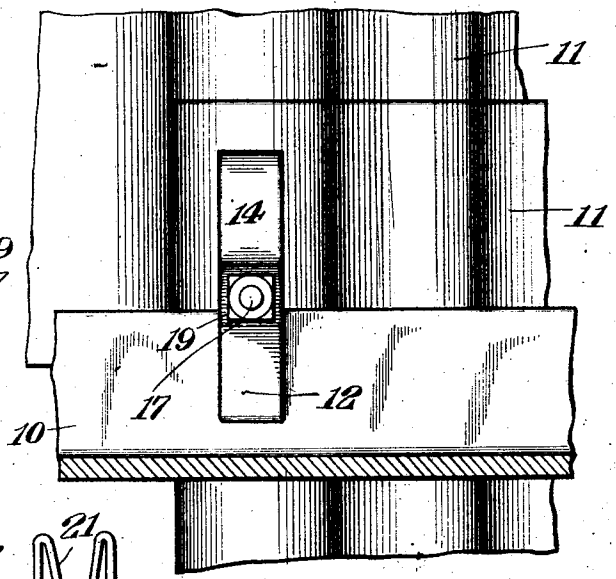


Fig. 4.

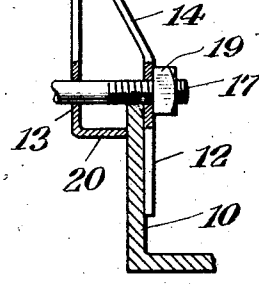
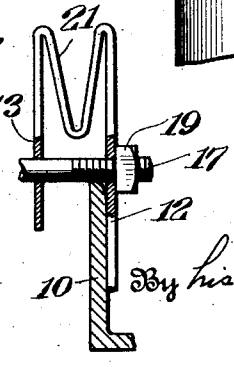


Fig. 5.



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UNITED STATES PATENT OFFICE.

RENÉ DORN, OF NEW YORK, N. Y., ASSIGNOR TO R. J. DORN COMPANY, INC., OF NEW YORK, N. Y., A CORPORATION OF LOUISIANA.

FASTENING FOR WALL COVERINGS.

Application filed February 24, 1927. Serial No. 170,450.

My invention relates to improvements in fastenings for wall coverings and more particularly fastenings which are adapted to secure wall coverings to their supports. My invention is especially adapted to secure composition wall coverings, such as composition sheathings, clapboards and the like, and particularly corrugated coverings, to their supports which are usually of metal. Where the coverings are directly secured to their metal supports difficulties arise from the fact of an unequal expansion of the parts so that the coverings or fastenings are sometimes disrupted and the conventional way of fastening the coverings is rather slow and unsatisfactory. My invention is intended to produce a simple, strong and rather inexpensive fastening which can be readily applied in a manner to secure the coverings to their supports and which will hold the covering in place so that it cannot be accidently displaced, but will also hold it in a strong but yielding manner and in a way to provide for the expansion and contraction of adjacent parts so that no disruption can follow.

My invention is also intended to produce a fastening means which will be as durable as the covering itself and which will facilitate the rapid and accurate laying of the covering. More specifically, the invention comprises a fastening clip and attachments having opposed yieldingly connected members, one of which will have a substantial contact with the covering and will lie in a corrugation thereof, if the covering is corrugated, the other of which is adapted to hook on over the spaced supporting strips of the structure.

This construction and its advantages will appear more clearly from the description which follows:

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar reference characters refer to similar parts throughout the several views.

Fig. 1 is a broken skeleton view of a structure intended to support a covering.

Fig. 2 is a broken enlarged detail view partly in section showing the application of the covering to its support.

Fig. 3 is a broken face view of the structure shown in Fig. 2; and

Figs. 4 and 5 are details of slight modifications of the fastening.

In applying many kinds of wall coverings, and especially composition coverings, the building is provided with spaced purlins and girths 10, which are usually of metal, to which the covering 11 is applied. I have shown this covering in the form of composition corrugated sheathings, a type of covering to which my invention is applicable. The fastening itself comprises essentially a clip having spaced members 12 and 13 which are not necessarily parallel, but which are generally parallel so that the member 12 can have a firm bearing against and hook on over one of the purlins 10, while the members 13 will lie in a corrugation of the covering 11 and have a substantial bearing surface against the covering. When laid in a corrugation in this way the fact that the covering is corrugated serves to prevent the clip from twisting out of position. The parts 12 and 13 are connected together at one end only, preferably by an inclined member 14 which is integral with the members 12 and 13, but the particular form of connection is immaterial so long as it will produce a somewhat springy structure of the clip. Both legs or members of the clip are perforated, as shown at 15 and 16, the perforations alining to receive a fastening screw or bolt 17 and this extends through the overlapping cover members 11 and is preferably provided at its outer end with a washer 18. At its inner end the bolt is provided with a nut 19, and it will be readily seen that the bolt can be thrust through a hole in the covering member 11, through the holes 15 and 16, and that the leg or member 12 can be then simply hooked on over one of the supports 10. Then the bolt 19 can be tightened up and the parts will all be locked firmly together, but it will be noticed that the bolt 17 does not pass through the purlin 10 and so the latter can contract and expand without affecting the fastening or the covering, and the yielding or springy structure of the clip also permits a springy slight movement of the covering and its support to prevent the breaking of any of the parts, but this is not sufficient to prevent the fastening from being exceedingly strong.

In practice, I have found it desirable to have the bolt 17 of metal which does not readily oxidize and when this is done the fastening will last as long as the covering to which it is applied. The clip may be

modified as to its shape in many ways without affecting the invention, the essential thing of which is to have the members 12 and 13 disposed as shown so as to have a good bearing surface on the support 10, and on the covering member 11, and still have a springy connection. If desired, the free end of the member 13 can be turned at right angles as at 20 in Fig. 4 so as to abut with the support 10 and act as a brace or a stiffener and, instead of having the parts 12 and 13 connected by the inclined member 14, a double member 21 can serve as a connecting medium and this structure shown in Fig. 5 will suggest the fact that the parts 12 and 13 might be connected in many ways without affecting the invention.

From the foregoing description it will be seen that I have devised a very simple and strong fastening which enables the covering to be very rapidly and securely applied to the support and that the connection is somewhat flexible to prevent disruption by any natural causes, such as expansion and contraction, high winds or the like.

It will be noted that my improved fastening can be applied to a vertical wall, a roof, or any wall which is inclined.

I claim:

1. The combination with a wall covering and a support therefor, of a clip having opposed generally parallel legs or members connected together at one end only and spaced so that one leg of the clip engages the support, and the other is spaced apart from the support and lies against the wall covering, and a fastening element extending through the wall covering and through both legs of the clip.

2. A fastening for wall coverings comprising a one-piece clip having opposed generally parallel legs or members connected together at one end only, said members being spaced apart and one being longer than the other to engage a support, and a fastening element adapted to extend through the wall covering and through both legs of the clip.

3. A fastening for wall coverings comprising a clip having opposed legs or members spaced apart and generally parallel, said members connecting at one end only, and one of said members having an inturned end portion adapted to abut with a support, and a fastening element extending through both legs or members of the clip.

In testimony whereof, I have signed my name to this specification this 18th day of February, 1927.

RENÉ DORN.

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