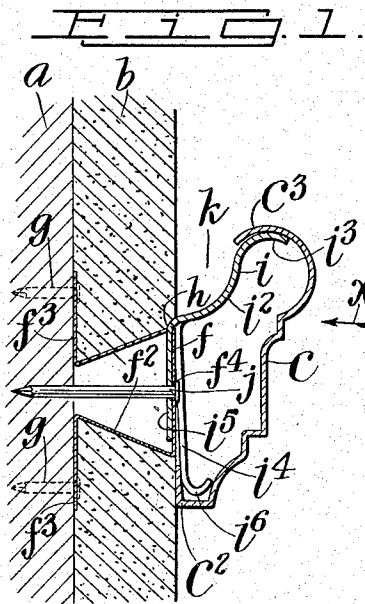
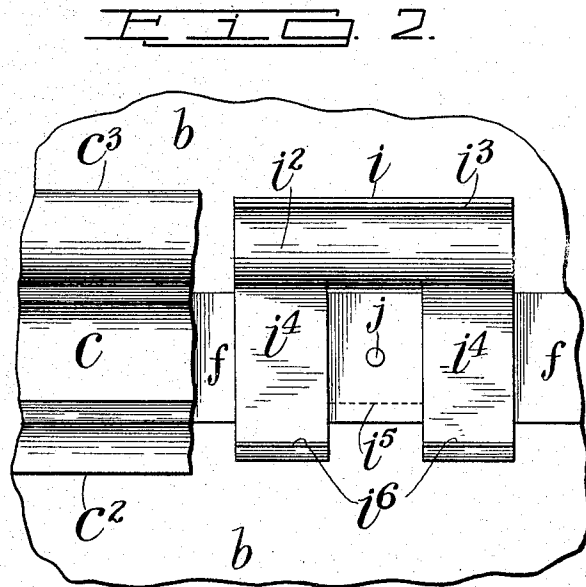
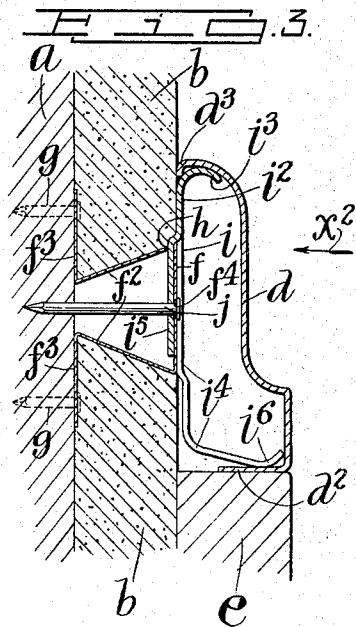
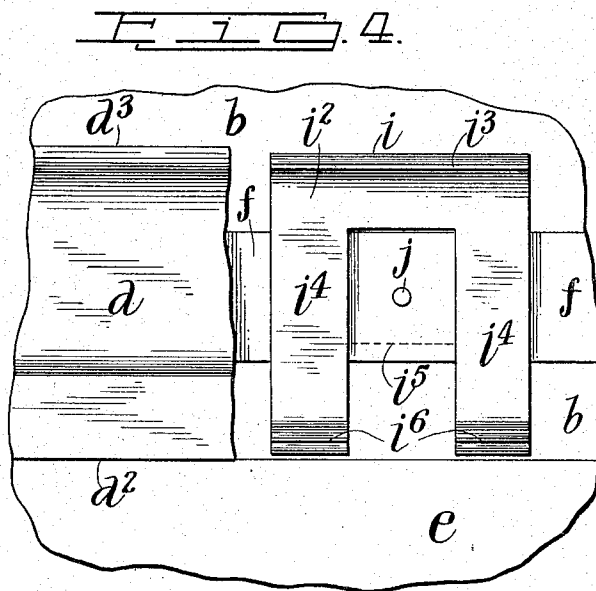


H. E. VAN ORDEN.
 MEANS FOR ATTACHING DEVICES TO WALLS.
 APPLICATION FILED DEC. 26, 1914.

1,173,398.

Patented Feb. 29, 1916.



Witnesses:
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UNITED STATES PATENT OFFICE.

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MEANS FOR ATTACHING DEVICES TO WALLS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HOWARD E. VAN ORDEN, a citizen of the United States, and residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Means for Attaching Devices to Walls, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to means for attaching picture suspending molding strips, base board finishing strips and the like to walls, and the object thereof is to provide an improved device or devices of this class which are efficient in operation, simple in construction, and comparatively inexpensive, and which may be easily applied for use; and with this and other objects in view the invention consists in devices of the class specified, constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a sectional view showing my improvement applied as a support for a picture suspending molding strip; Fig. 2 a front view looking in the direction of the arrow *x* of Fig. 1, and with part of the construction broken away; Fig. 3 a view similar to Fig. 1 but showing the improvement applied as means for holding or securing a base board finishing strip or molding; and, Fig. 4 an inner or front view looking in the direction of the arrow *x*² of Fig. 3 and with part of the construction broken away.

In the accompanying drawing, I have shown at *a* a part of a wall of a building or a wall of a room or compartment in a building and at *b* I have shown the plaster applied to the wall, and said wall may be composed of brick, concrete, wood or any other suitable material. I have also shown at *c* a picture suspending molding strip and at *d* a base board finishing molding strip, the base board being shown at *e*, and said base board *e* may be formed from wood, fiber, metal or any other material.

In the practice of my invention, I provide a sheet metal attaching strip *f* having con-

verging side plate members *f*² provided with oppositely directed wing flanges *f*³ which are secured to the wall *a* by nails *g* passed therethrough, after which the plaster *b* is applied to the wall in the usual manner and the attaching strip *f* is flush with the finished wall, or flush with the plaster as shown in Figs. 1 and 3. The top side plate member *f*² is provided adjacent to the angle where it connects with the attaching strip *f* with a longitudinal slot *h*, and I also provide a bracket attaching device *i*, a number of which are employed and formed from sheet metal, and consisting of a forwardly and upwardly curved top plate *i*² having a forwardly and downwardly curved flange member *i*³, and provided at its bottom edge with two parallel downwardly directed spring tongues *i*⁴ between which the top member *i*² is provided with a back-set and downwardly directed tongue member *i*⁵ which is adapted to be passed backwardly and downwardly through the slot *h*, as clearly shown in Figs. 1 and 2, and which holds the bracket attaching device *i* in firm connection with the attaching strip *f*, and also in firm connection with the wall, and, in practice, the strip *f* is provided for each of the bracket attaching devices *i* with a central hole *f*⁴, and the tongue *i*⁵ with a corresponding hole and a nail *j* is passed backwardly through the strip *f* and tongue *i*⁵ and into the wall, and the object of which is to prevent the bracket attaching device or devices *i* from being moved upwardly or laterally when once secured in position.

The lower ends of the spring tongue members *i*⁴ are provided with forwardly and upwardly curved flanges or hook members *i*⁶, and said bracket attaching devices are spaced on said strip in any desired manner, and the picture suspending molding strip *c* is provided at the bottom thereof with a backwardly and upwardly directed spring flange *c*² and at the top thereof with a backwardly and downwardly curved flange *c*³, and in attaching the picture suspending molding strip *c* to the bracket attaching devices *i* said strip is manipulated so as to pass the flange *c*² at the bottom thereof beneath the flanges or hook members *i*⁶, and the top edge of the strip *c* is then forced backwardly and the flange member *c*³ at the top edge thereof passes over and engages the forwardly directed flange member *i*³ of the

bracket attaching devices *i* and this securely locks the strip *c* in position, as will be readily understood, and in suspending pictures from said strip the suspending cords or chains connected with the pictures are provided with hooks which are passed over or engage with the top of the molding strip *c* in the usual manner.

In Figs. 3 and 4 I have shown my improvement applied as a means for attaching the top molding and finishing strip *d* of the base board *e*, and this construction is the same as that shown in Figs. 1 and 2, except that in Figs. 1 and 2 the top plate *i*² of the bracket attaching device or devices *i* is set forwardly to form a longitudinal space *h* between it and the wall or the plaster *b* of the wall, but in Fig. 3 the top plate *i*² of the bracket attaching device or devices *i* fits against the wall, or the plaster *b*, and the bottom front tongue members *i*⁴ of the bracket attaching device or devices *i* are extended forwardly further than in Fig. 1.

The base board finishing molding strip *d* is provided at the bottom edge thereof with a horizontal, or approximately horizontal and backwardly directed flange member *d*², while the top edge thereof is provided with a backwardly and downwardly directed flange member *d*³, and in connecting the base board molding strip *d* with the bracket attaching device or devices, the flange member *d*² is passed beneath the tongue members *i*⁴ of the bracket attaching device or devices and the top edge portion thereof is forced backwardly until the flange member *d*³ engages with the top flange member *i*³ of the top plate *i*² of the bracket attaching device or devices *i*.

With my improvement picture suspending molding strips of any desired shape or style in cross section and base board finishing strips of any desired style and shape in cross section may be employed, and while my improvement is particularly designed for the purpose shown and described the attaching strip *f* and bracket attaching devices *i* may be employed for other purposes, as for instance, for securing chair rails or moldings to a wall, or as forming attaching means for various other objects, and the strips *f* constructed and applied according to my improvement may thus be used for any desired purpose and, within the scope of the appended claims, the construction herein shown and described may be varied in form and details without departing from the spirit of my invention or sacrificing its advantages.

It will also be understood that my invention is not limited to the bracket attaching devices *i* formed and applied as shown and described, and said bracket attaching devices may be applied to, or secured to the

strip *f* in different ways or means other than those shown and described, and pictures may be suspended from the strip *f* and other articles, ornamental or otherwise may be connected therewith without the use of the bracket attaching devices *i*.

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

1. The herein described means for securing articles to flat plastered walls, comprising a plain strip of sheet metal having a flat surface adapted to be flush with the exposed surface of the wall and having rearwardly directed converging edge members provided with oppositely directed flanges, said flanges being parallel with said strip for snugly engaging the wall construction and said device being adapted to be secured to the wall construction with the strip thereof presenting an unbroken surface and slots provided in one of said converging edge members for securing articles to the same.

2. The herein described means for securing articles to plastered walls, comprising a strip of sheet material having converging side edge members provided with oppositely directed flanges, the said strip of sheet material being adapted to be secured to a wall in a horizontal position and the top side edge member being provided adjacent to said strip with longitudinal slots, and bracket attaching devices having back tongue members adapted to be passed downwardly through said slots and front tongue members adapted to pass downwardly in front of said strip.

3. The herein described means for securing various articles to plastered walls, comprising a strip of sheet material provided with converging side edge members having oppositely directed flanges, said strip of sheet material being adapted to be secured to a wall in a horizontal position and the top side edge member being provided adjacent to said strip with longitudinal slots, bracket attaching devices composed of spring material and provided with backwardly and downwardly directed tongue members adapted to be passed backwardly and downwardly through said slots and other tongue members adapted to pass downwardly in front of said strip, said bracket attaching devices being also provided at the top thereof with forwardly directed flange members and said last named tongue members being also provided with forwardly directed flange members and molding strips composed of spring material and adapted to engage said flange members.

4. The herein described means for securing articles to plastered walls consisting of strips of sheet material having backwardly directed and converging side edge members,

said strips of sheet material being adapted to be secured to a wall in a horizontal position and the top converging side member being provided adjacent to said strips with
5 longitudinal slots and bracket attaching devices for securing articles to said wall, said bracket attaching devices being adapted to be connected with said strip, substantially as shown and described.

In testimony that I claim the foregoing 10
as my invention I have signed my name in presence of the subscribing witnesses this 23rd day of December 1914.

HOWARD E. VAN ORDEN.

Witnesses:

C. MULREANY,
H. E. THOMPSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."