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CLIP FOR WALL BOARD PACKAGES

Filed March 16, 1931

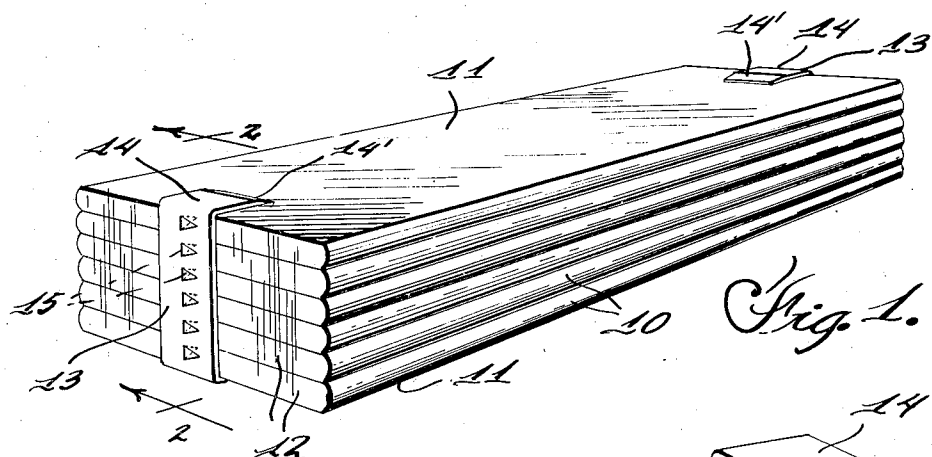


Fig. 1.

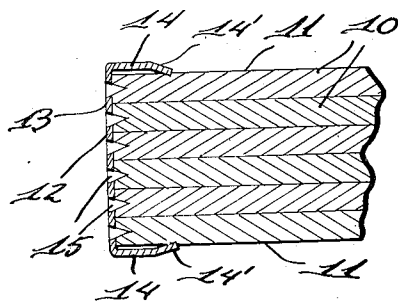


Fig. 2.

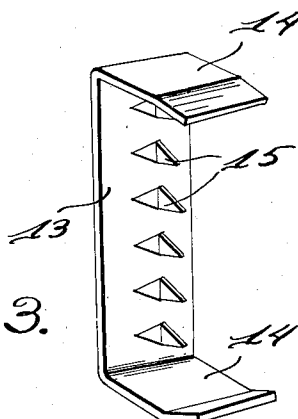


Fig. 3.

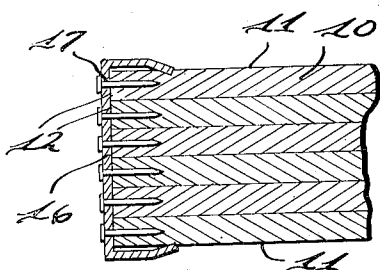


Fig. 5.

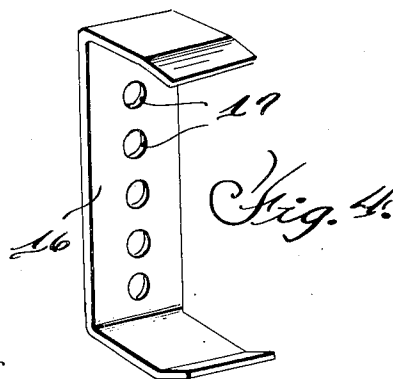


Fig. 4.

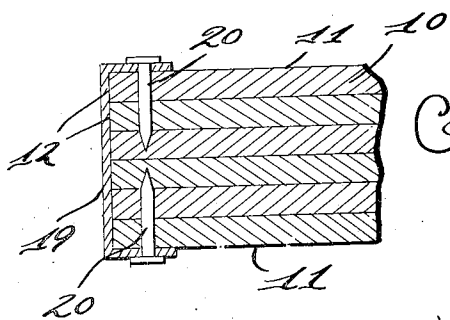


Fig. 6.

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CLIP FOR WALL BOARD PACKAGES

Application filed March 16, 1931. Serial No. 523,154.

This invention relates to improvements in plaster board or wall package or bundles and has as its principal objects to provide convenient and efficient means for handling and shipping articles of manufacture of this nature.

Another important object of this invention is to provide packaging means for stacks of structural elements of this character which can be cheaply manufactured; and as quickly removed therefrom when the structural elements of the stack are to be used.

The novel details of construction of my improved invention as well as several embodiments of the same will be described herein in detail, reference being had to the accompanying drawing wherein

Figure 1 is a perspective view of a package of board or structural elements packaged in accordance with one embodiment of my invention;

Figure 2 is a fragmentary sectional view taken substantially on the plane indicated by line 2—2 in Figure 1;

Figure 3 is a perspective view of one of the clip members;

Figure 4 is a perspective view of another modified form of clip construction;

Figure 5 is a fragmentary view through a stack of structural elements employing the form of clip illustrated in Figure 4, and

Figure 6 is a view similar to Figure 5 showing another form of modified construction.

As shown in Figure 1 there is illustrated a package or bundle comprising a plurality of flat structural elements 10 such as plaster boards, wall boards, composition board laths or the like, the reference character 11 indicating the outside or top and bottom faces or surfaces of the bundle and 12 indicating the end edge faces of the boards of the stack.

In accordance with my invention I propose securing the several elements of each stack in stacked relation by means of a clip-like member 13 formed of metal or other substantially form-sustaining material. This clip is substantially U-shaped in longitudinal section to thus provide angularly disposed end portions 14. These end portions may preferably

be bent inwardly toward one another and because of the inherent resiliency of the material of which the clip is made these end portions may be slightly sprung apart when the clip is applied to the stack but when released will bind or grip the stack and particularly the top and bottom elements thereof.

In practice it is proposed to employ, for instance, a pair of these clips 13 engaging opposed edge portions of the stack as clearly illustrated in Figure 1.

As illustrated in Figure 2 the extremities 14' of the extension 14 of each clip may be bent at a slightly greater angle so as to bite into the top and bottom stack to insure a firm engagement between the clip and stack.

While in some instances the form of clip as just described without any additional securing means will be sufficient, I may also form the clips with prong-like extensions 15 provided in any suitable manner as, for instance, by forcing the material of the clip inwardly out of the plane thereof to provide these prong-like portions 15. These prong-like extensions will be so spaced as to engage end faces of all of the individual elements of the stack or of certain of the individual elements and in assembling the clip, it will be forced onto the edge of the bundle or stack and then driven in place whereby the projections 15 will pierce the edges 12 of for instance, each of the elements 10 as clearly illustrated in Figure 2. This affords an additional positive tie between the several elements of the stack as will be obvious.

In Figures 4 and 5, I have shown another modified form of clip 16 substantially similar in shape to the previously described form but wherein apertures 17 are provided through which pointed securing elements such as nails or the like may be driven into the end faces 12 of the stack after the clip is in place.

In Figure 6, I have shown a clip 19 of a shape substantially as heretofore described provided with apertures in the intumed ends thereof through which headed pointed securing elements such as nails 20 may be driven. These nails may extend through one or more elements of the stack, as desired.

In all of the forms of construction the securing clips may be placed in position quickly and will act to bind the several elements of the stack together to form a package which
5 may be handled with facility. Moreover, these securing clips may be quickly removed from the stack when it is desired to use the structural elements. Various modifications may suggest themselves to those skilled in this
10 art and to this end reservation is made to make such changes as may come within the purview of the accompanying claims.

What I claim as my invention is:

1. Means for securing together a plurality
15 of flat structural elements in stacked relation comprising a substantially U-shaped metal clip adapted for engagement with an edge portion of the stack and provided with prong-like projections adapted for piercing
20 engagement with individual elements of the stack.

2. Means for securing together a plurality of flat structural elements in stacked relation comprising a clip-like member adapted for
25 snap-on engagement with an edge of the stack, and means associated with said clip-like member for piercing engaging with individual elements of the stack.

3. Means for securing together a plurality
30 of flat structural elements in stacked relation comprising a clip-like member engaging an edge portion of the stack, the ends of said clip-like member being bent at an angle to cause the same to bite into the top and bottom
35 of the stack, for the purpose set forth.

In testimony whereof I affix my signature.
CURRY ORA WALPER.

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