June 3, 1969

R. S. GREGOIRE

3,447,823

ANCHOR CLIP

Filed Oct. 4, 1967

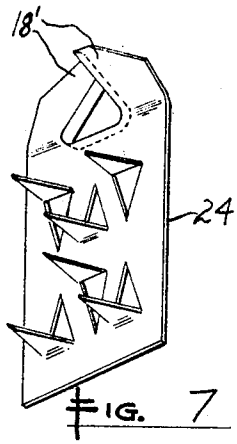


FIG. 7

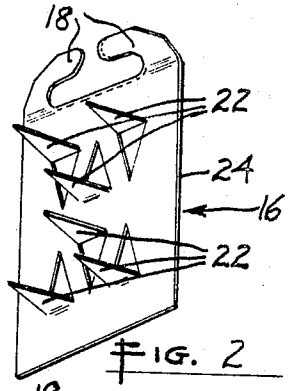


FIG. 2

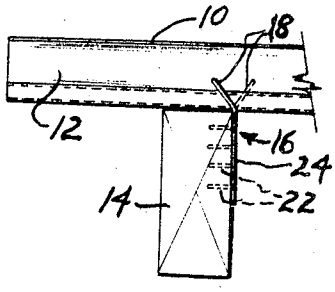


FIG. 1

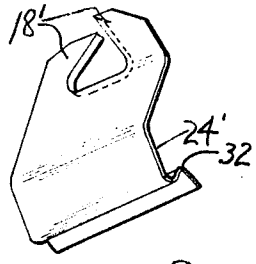


FIG. 8

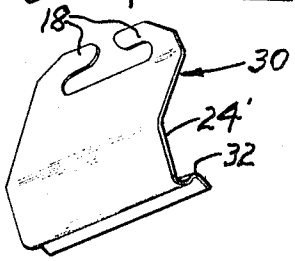


FIG. 4

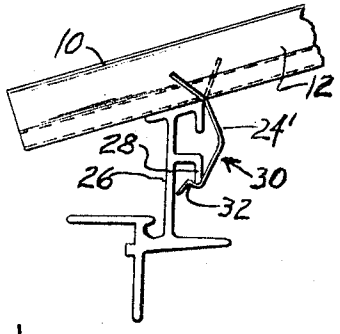


FIG. 3

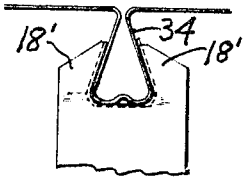


FIG. 6

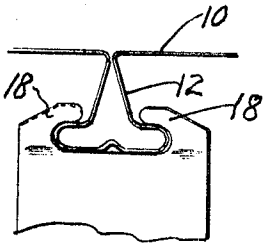


FIG. 5

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ANCHOR CLIP

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ABSTRACT OF THE DISCLOSURE

An anchor clip formed of sheet material having attachment means at one end thereof and a pair of opposed inturned ears at the other end for engaging a supporting member. The ears are spread apart in opposite directions out of the plane of a head section of the clip to facilitate their mounting over edge portions of the base structure of the supporting member.

This invention relates to anchor clips made of formed stiff sheet material having a substantially rectangular body portion with means formed therefrom for fixing it to a support member, and a head portion at one end thereof with a T-slot cut in it to form a pair of ears adapted for engagement over the opposite edges of a load member extending from said support member, said fixing means being adapted for attachment to said support member by actuation of said clip pivotally about its engagement over the edges of said load member to fix it to said support member.

The object of this invention is to provide a one-piece formed plate of stiff sheet material with ears that may be readily locked over the opposite edges of a structural member adjacent its support member and with means formed on it for attachment to the support member to fix the members against relative displacement.

Another object is to make said attachment means by stamping out pointed ears from said plate and turning them normally thereto for driving into a wooden support member.

Another object is to make said attachment means in a plate of resilient material by turning the edge portion of the plate opposite said ears to form a ridge for resiliently clipping over a flange edge on a support member.

Other and more specific objects will appear in the following detailed description of these anchor clips, as illustrated in the accompanying drawing, wherein:

FIG. 1 is a side edge view of one form of the anchor clip applied to a wooden member supporting a metal panel,

FIG. 2 is an enlarged detail perspective view of this form of clip,

FIG. 3 is a side edge view of another form of anchor clip applied to a metal member supporting a metal panel,

FIG. 4 is an enlarged detail perspective view of this form of clip,

FIG. 5 is an enlarged sectional view of the metal panel shown in FIGS. 1 and 3, showing a portion of the clip,

FIG. 6 is a similar view of a metal panel having another form of ridge member formed therein, and the ear portion having correspondingly formed ears,

FIG. 7 is a perspective view similar to FIG. 2 of a modification, having ears formed as in FIG. 6, and

FIG. 8 is a perspective view similar to FIG. 4 of a modification having ears formed as in FIG. 6.

For fixing a structural member such as a metal panel **10** with a ridge **12** supported by a wooden post **14** to said post, an anchor clip **16** is used with its ears **18** engaged over the lobes at the base of the triangularly formed ridge **12**, the pointed ears **22** which were stamped out of the body portion **24** and turned perpendicular thereto, being fixed in the wooden post **14**. The ears **18** are bent in opposite directions out of the plane of the body portion **24** so as to receive the ridge **12** into the bottom of the T-slot between the ears before turning the clip to engage the ears over said lobes and then fixing it to the wooden post.

Obviously, for any other than a perpendicular relation between members, the ears may be bent accordingly.

As shown in FIG. 3, another form of clip **30** having a body portion **24'** is applied to the ridge **12** of a metal panel **10** supported on a metal beam structure **26** which has a flange **28** over which the turned ridge **32** at the lower edge of the clip is sprung to anchor the panel **10** to its supporting beam **26**. Clip **30** is obviously made of a material having some resiliency to facilitate springing the ridge **32** over the flange **28**.

The ears **18** may be shaped to accommodate other shaped shoulders of flanged structures, which may be locked to their supporting members by the use of these anchor clips. For example, ears **18'** shown in FIGS. 6, 7 and 8 are angularly recessed to accommodate the sides of the triangular ridge **34**.

The plate or sheet material forming the clip may be made in skeleton form from a stiff wire to conform to the outline of the essential parts of the body and head portions of these clips.

Many other obvious modifications of the ears and attachment means comprising these clips may be made without departing from the spirit and scope of the present invention.

What is claimed is:

1. A one-piece anchor clip comprising:
a body portion of sheet material having means formed therein for substantially rigid attachment to a supporting member, and
a head portion including a planar base section and having a pair of planar ears joined to said base section with inturned, opposed ends thereon being spaced apart for mounting over the opposite edges of a double-edged base structure supported by said member,
said ears being spread apart by being bent outwardly from their bases in opposite directions out of the plane of said base section to open the spacing between their unturned ends so as to facilitate their mounting over the edge portions of said structure by receiving said edges through said spacing between their ends before turning said clip to bring them freely over said edge portions.

2. A one-piece anchor clip comprising:
a formed sheet strip of stiff material having a body portion with means formed therein for fixing it to a support member and a planar head portion with a T-slot cut-out therein, the stem of the T opening outwardly of the free end of said head portion to form a pair of opposed planar ears with inwardly turned undercut ends,
said ears in their entirety extending out of the plane of said head to opposite sides thereof sufficiently to facilitate receiving the edge portions of a double-edged base of a structure mounted on said support,
said clip being adapted to be freely turned substantially 90° after receiving said base edge portions into the top of the T-slot to engage said ear ends over said edge portions before fixing the clip to said support member so as to hold the structure firmly clipped to said support member.

3. An anchor clip as defined in claim **2**,
at least one pointed ear stamped out of said body portion extending normally therefrom to form said attachment means to a wooden support member.

4. An anchor clip as defined in claim **2**,
said stiff material being resilient and said body portion

having a turned ridge in the edge portion opposite the head portion for springing over a flange edge on the support member, forming said attachment means.

References Cited

UNITED STATES PATENTS

540,693	6/1895	Seely	52—489
540,694	6/1895	Seely	287—189.35
594,555	11/1897	Preston	287—189.35
1,100,062	6/1914	Faulds	52—485
1,699,074	1/1929	Loucks	287—189.35
2,162,497	6/1939	Barrett	287—189.35
2,586,327	2/1952	Haertel	287—189.35
2,605,624	8/1952	Halladay	248—227
1,846,010	2/1932	Woodings et al.	238—330

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U.S. Cl. X.R.

52—489; 85—13; 248—217, 300