

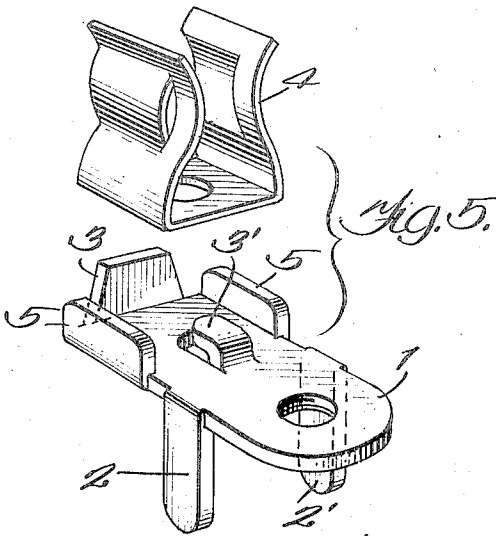
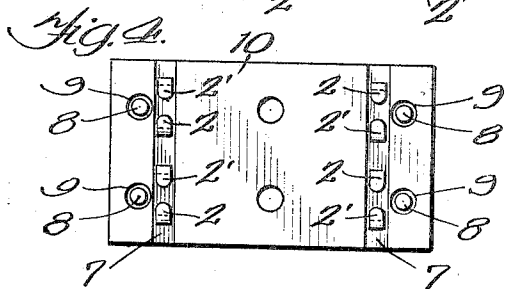
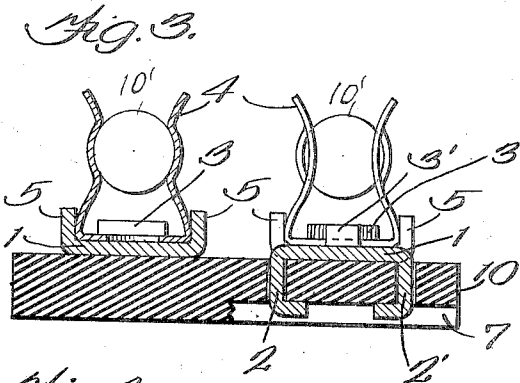
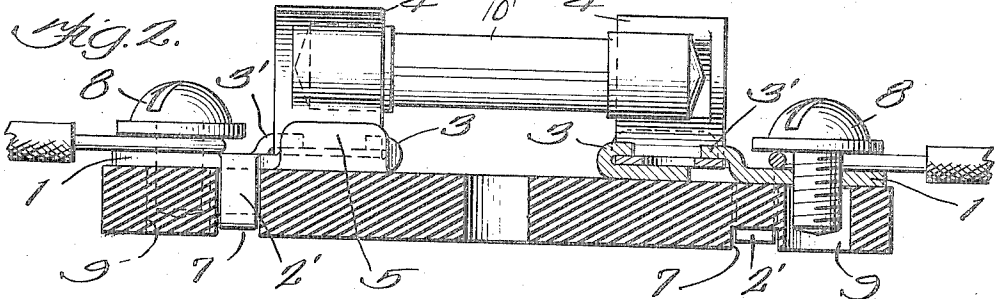
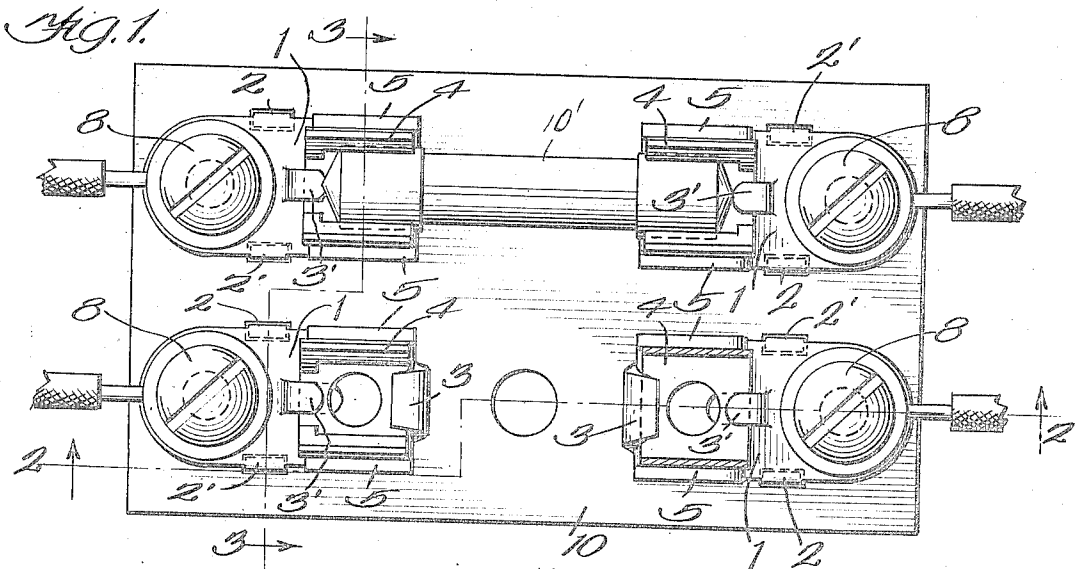
May 5, 1925.

1,536,149

W. SCHMID

CLIP STRUCTURE

Filed March 25, 1924



Inventor:
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By *L. L. Cragg* atty.

UNITED STATES PATENT OFFICE.

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CLIP STRUCTURE.

Application filed March 25, 1924. Serial No. 701,873.

To all whom it may concern:

Be it known that I, WILLIAM SCHMID, a citizen of the United States, residing at Coldwater, in the county of Branch and the State of Michigan, have invented a certain new and useful Improvement in Clip Structures, of which the following is a full, clear, concise, and exact description.

My invention relates to clip structures adapted, without preliminary adjustment, to receive and hold objects. The clip structure of my invention includes a preferably U shaped gripping member made of spring metal, and a base member formed of softer metal and having a prong formation integrally formed therewith for clinching engagement with the gripping member, preferably at the bight of the latter. The base member is also desirably formed with other prongs for assembling it with a mounting board, and ears for engaging the gripping member to ensure its fixed location with respect to the base member.

By means of my invention, the gripping member may be made of highly tempered spring steel, itself not adapted for clinching engagement with the mounting board, the softer metal base supplying this deficiency.

The prongs upon the base that clinch the spring gripping member are so related to the prongs that couple the base with the mounting board as to reduce to a minimum any tendency to disturb the assembly of the base with the gripping member and mounting board.

The invention will be more fully explained in connection with the accompanying drawing in which Fig. 1 is a plan view of two sets of clips particularly adapted to hold fuse containing or other cartridges; Fig. 2 is a sectional view on line 2—2 of Fig. 1; Fig. 3 is a sectional view on line 3—3 of Fig. 1; Fig. 4 is a bottom view, on a smaller scale; and Fig. 5 is a perspective view illustrating the gripping and base members of the clip in separated relation.

Like parts are indicated by similar characters of reference throughout the different figures.

Each clip structure illustrated includes a clip base 1 having two oppositely directed pairs of clinching prongs 2, 2'; 3, 3' integrally formed therewith but of strip metal

that is sufficiently soft to enable these prongs to remain substantially in the shapes to which they are bent. The pair of prongs 2, 2' is arranged crosswise of the clip base at an intermediate portion thereof and the other pair 3, 3' is arranged lengthwise of the clip base at one end thereof. The U shaped gripping member 4 is formed of relatively hard spring metal, such as highly tempered spring steel, whose bight is clinched by the latter prongs against the clip base which also has ears 5 integrally formed therewith that engage the sides of the gripping member at its bight to ensure the fixed relation of the gripping member with its base. A mounting board 10 is clinched by the remaining prongs 2, 2' that pass through holes in the board. This board is formed with grooves 7 in its bottom that receive the ends of the prongs 2, 2' of those clip bases that are aligned. Binding screws 8 pass through the clip bases freely into the holes 9 in the mounting board 10, these screws being preferably threaded into the clip bases.

By the construction and arrangement illustrated, the gripping members of the clips are held firmly in assembly with the mounting board, any tendency to disturb this relation being overcome when the fuse containing or other cartridges 10' are withdrawn.

It is obvious that changes may be made without departing from the spirit of my invention.

Having thus described my invention I claim as new and desire to secure by Letters Patent the following:—

1. A clip structure including a clip base having two oppositely directed pairs of clinching prongs integrally formed with the clip base which is made of metal sufficiently soft to enable said prongs to remain substantially in the shapes to which they are bent, one of these pairs of prongs being arranged crosswise of the clip base at an intermediate portion thereof and the other pair being arranged lengthwise of the clip base at one end thereof; a U shaped gripping member formed of relatively hard spring metal whose bight is clinched by the latter prongs against the clip base; and a mounting board with which the remaining prongs are clinched.

2. A clip structure including a U shaped

gripping member made of spring metal; and
a base member formed of softer metal and
having a prong formation integrally formed
therewith and in clinching engagement with
the bight of the gripping member.

5 3. A clip structure including a gripping
member made of spring metal; and a base

member formed of softer metal and having
a prong formation integrally formed there-
with and in clinching engagement with the 10
gripping member.

In witness whereof, I hereunto subscribe
my name.

WILLIAM SCHMID.