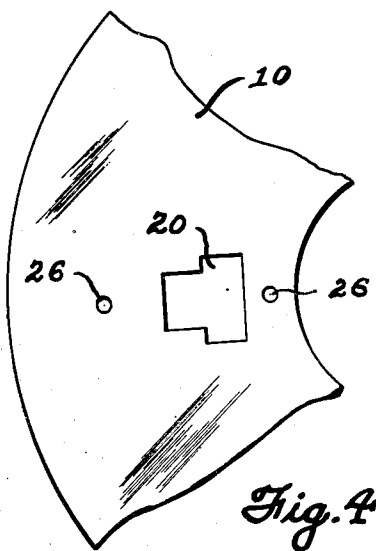
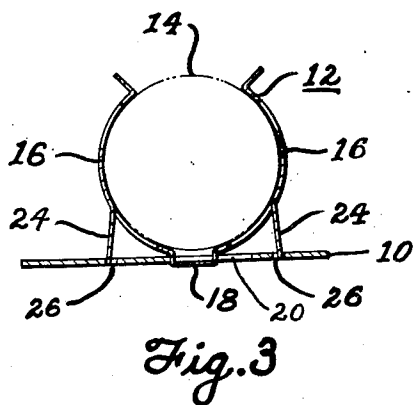
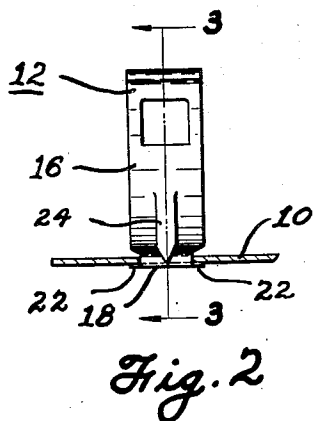
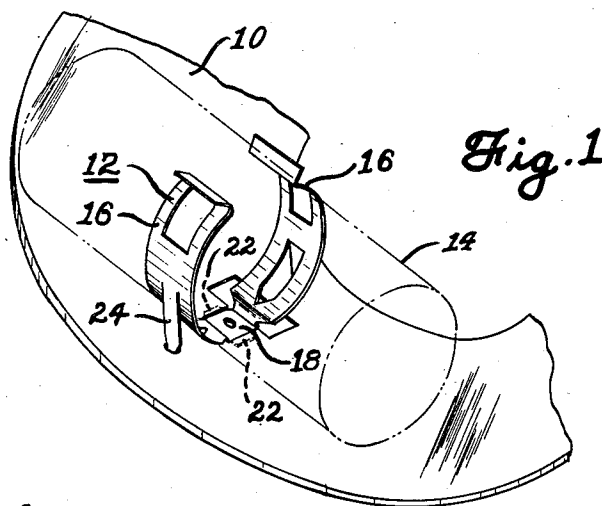


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CONDENSER BRACKET
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CONDENSER BRACKET

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3 Claims. (Cl. 248—361)

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This invention relates to a condenser mounting clip or bracket and more particularly to an improved arrangement for removably supporting a condenser within a motor housing.

While it is desirable to provide a condenser mounting clip means which is readily removable from its support, it is important that the clip be firmly held in place at all times when the condenser is in place and especially during the process of exerting a pull on the condenser for removing the condenser from the clip. Thus it is an object of this invention to provide a condenser mounting clip arrangement wherein the clip is readily removable from its mounting only after the condenser has been fully removed from the clip.

More particularly it is an object of this invention to provide a removable condenser mounting clip wherein the presence of a condenser in the clip precludes removal of the clip.

A further object of this invention is to provide a condenser mounting clip or the like which may be made from a single sheet metal stamping and which is provided with an improved arrangement for removably supporting the clip on a flat apertured sheet metal plate.

Further objects and advantages of the present invention reside in the construction and combination of parts and in the mode of operation as will be apparent from the following description, reference being had to the accompanying drawings wherein a preferred form of the present invention is clearly shown.

In the drawings:

Figure 1 is a perspective view showing the clip attached to a condenser mounting plate;

Figure 2 shows a side view of the clip and its relationship to the mounting plate;

Figure 3 is a sectional view taken in line 3—3 of Figure 2; and,

Figure 4 is a fragmentary elevational view showing the arrangements of the clip mounting apertures in the condenser supporting plate.

Referring now to the drawings wherein I have shown a preferred embodiment of my invention, reference numeral 10 designates a stamped sheet metal plate of the type provided directly within the motor housing of a conventional condenser type of motor (not shown). Reference numeral 12 designates generally a stamped sheet metal clip which is removably secured to the plate 10 and is adapted to firmly grip a condenser or the like, such as the condenser 14 shown in broken lines in Figure 1. While the design disclosed herein is primarily designed for use in mounting

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a condenser, it is obvious that the clip is of general application and may be used for supporting other types of elements.

The clip comprises a pair of opposed circular jaw segments 16 joined by means of an offset portion 18 which is adapted to project through the T-shaped slot 20 provided in the mounting plate 10. The shape and size of the offset portion 18 is such that it may be inserted through the large end of the T-shaped slot but when the offset portion 18 is shifted into the narrow portion of the T-shaped slot the projecting end portions 22 underlie the plate 10 so as to hold the clip from pulling out of the slot.

As best shown in Figures 1 and 3, the jaw segments 16 have projecting tongues 24 which have their lower ends extending into the apertures 26 provided in the plate 10. It will be noted that the projecting tongues 24 are formed integral with the main body of the clip 12 and serve to anchor the clip relative to the plate 10 in such a manner that the offset portion 18 cannot be removed from the slot 20 without first disengaging the tongues 24 from the apertures 26. It will also be noted that the insertion or removal of a condenser from the clip tends to spread the jaws of the clip which in turn tends to cause the tongues 24 to more firmly engage the apertures 26.

So long as a condenser or the like is in place between the jaws, the tongues 24 remain in engagement with the apertures 26. In order to disengage the tongues from the apertures 26 is necessary to remove the condenser from the clip and press the jaws towards one another so as to lift the tongues out of the apertures 26. When the tongues are thus lifted from the apertures 26, the clip may be shifted sideways in the slot 20 to a point where it may be removed from the plate 10.

By virtue of the above described arrangement, the clip is readily removable from its base only when empty and is firmly held in place at all other times. Furthermore, the tongues 24 serve as braces which help to prevent undue spreading of the jaws and help to make the assembly more rigid.

While the form of embodiment of the invention as herein disclosed, constitutes a preferred form, it is to be understood that other forms might be adopted, all coming within the scope of the claims which follow.

Having thus described my invention, I claim:

1. Mounting means for a condenser or the like, comprising in combination, a stamped sheet metal base member having a substantially T-shaped

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slot and having a pair of apertures spaced above and below said slot, and a stamped sheet metal strap member having opposed jaws adapted to grip a condenser or the like, said opposed jaws being joined by an offset portion adapted to be inserted through the upper portion of said T-shaped slot and slidable into the lower portion of said slot, said offset portion including projecting means for gripping the underside of said base member when said offset portion is moved into the lower portion of said slot, said strap member also having a pair of tongues projecting from opposite sides of said jaws and extending into said apertures for holding said strap member in place on said base.

2. Mounting means for a condenser or the like comprising in combination, a base member having a slot formed therein said slot including a narrow portion and a wide portion, a pair of detents arranged on opposite sides of the narrow portion of said slot, and a stamped sheet metal member having opposed jaws adapted to grip a condenser or the like, said opposed jaws being joined by an offset portion adapted to be inserted through the enlarged portion of said slot and slidable into the narrow portion of said slot, said offset portion including projecting means for gripping the underside of said base member when said projecting portion is arranged in the narrow portion of said slot, said strap member also having a pair of tongues projecting from opposite sides of said jaws and extending into said detents for releasably holding said strap member in place on said base.

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3. Mounting means for a condenser or the like comprising in combination, a base member having a slot formed therein, said slot including a narrow portion and a wide portion, a pair of detents arranged on opposite sides of the narrow portion of said slot, and a stamped sheet metal strap member having opposed substantially circular jaws joined by an offset portion adapted to be inserted through the enlarged portion of said slot and slidable into the narrow portion of said slot, said offset portion including projecting means for gripping the underside of said base member when said projecting portion is arranged in the narrow portion of said slot, said clip member also having a pair of tongues projecting from opposite sides of said jaws and extending into said detents for releasably holding said strap member in place on said base, said tongues being formed integrally with said strap member and extending substantially tangentially relative to the opposite sides of said circular jaws.

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