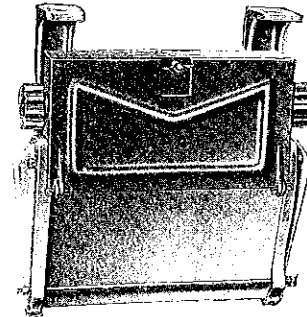
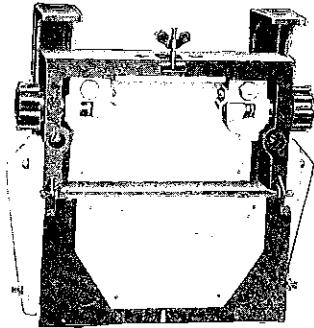




MA-13-F FUSE BOX



The Type MA-13, Form F fuse box is rated 500 amperes at 600 volts and is suitable for use with motors of total capacity of 200 h.p. or less. The interior of the box is lined with sheet insulating material adapted to withstand the arc occasioned by the blowing of the fuse. The sides, top and back are moulded in one piece of a durable insulating material which will not soften and lose its shape under the influence of heat. The cover is held closed by means of a thumbscrew.

Method of Securing Fuse

The copper ribbon fuse is clamped at the ends by wedge-shaped blocks, drawn into place with hand screws, which exert high pressure on the surface of the fuse, insuring good contact. Access to the fuse is obtained by dropping the hinged cover of the box.

Magnetic Blowout

A valuable feature of this fuse box is the peculiar form of magnetic blowout employed. Unlike the ordinary method of obtaining a magnetic field, no coil is used, the flux set up about the fuse as a conductor alone producing it. The blowout effect is obtained by the special arrangement of soft iron plates or poles which, being brought together at the hinges, distribute the magnetic lines to the best advantage.

Pole Piece Construction

The pole pieces are punched from soft steel and embedded in the compound forming the sides and cover. They are brought out at either side near the bottom of the box, being curled up to act as hinges for the cover. The punchings on each side are made in two sections spaced approximately $\frac{3}{4}$ of an inch to prevent any possibility of the iron acting as a fuse in case the arc strikes the hinges when the fuse blows.

Arc Chute

The arc chute is completely enclosed, except for a small opening at the bottom. This renders the most severe arc practically invisible.

Ask our nearest office for complete information

General Electric Company, Schenectady, N. Y.

SALES OFFICES IN ALL LARGE CITIES



MA-13-F FUSE BOX

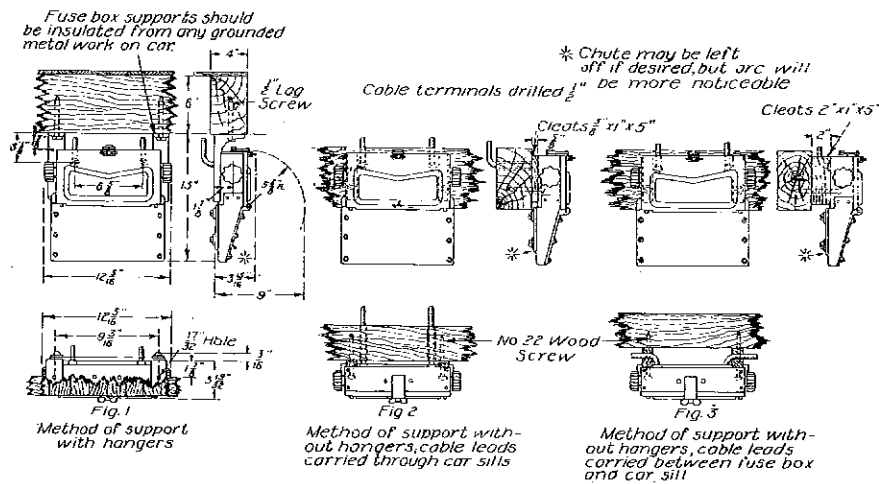
Connecting Fuse Box in Circuit

The terminal blocks are provided with tapered holes for receiving the tapered sleeves, into which the entering cables are to be soldered. The sleeves are drawn tightly into place by means of nuts secured by lock washers.

Method of Attaching Fuse Box to Car

For attaching the fuse box to the car, two malleable iron feet, one at each end, are fixed to the box, and holes for $\frac{1}{2}$ -in. bolts or lag screws are provided for its support to the bar beams or sills. These feet can be readily removed if desired, and the holes used for holding them to the box can be utilized for attaching the box to the car.

The relative advantages of the two methods of support depend largely upon the space available for the installation of the fuse box. The feet permit it to be placed in a hanging position, while without them, it can be clamped against a support at its back, as indicated in the diagram below.



Dimensions and Methods of Supporting MA-13 Fuse Box

Copper Ribbon Fuses

Ampere Rating	Cat. No. of Fuse	COPPER RIBBON DATA		
		Dimensions in Inches	Size of Hole in Inches	No. of Laminations
75	42504	0.005 by $\frac{3}{4}$ by $6\frac{3}{4}$	$\frac{1}{16}$	1
100	38663	0.005 by $\frac{3}{4}$ by $6\frac{3}{4}$	$\frac{1}{8}$	1
125	29428	0.005 by 1 by $6\frac{3}{4}$	$\frac{1}{8}$	1
150	29429	0.005 by 1 by $6\frac{3}{4}$	$\frac{1}{4}$	1
175	38664	0.007 by 1 by $6\frac{3}{4}$	$\frac{1}{8}$	1
200	29430	0.005 by 1 by $6\frac{3}{4}$	$\frac{1}{8}$	2
250	41248	0.007 by 1 by $6\frac{3}{4}$	$\frac{5}{8}$	2
300	44306	0.005 by 1 by $6\frac{3}{4}$	$\frac{1}{8}$	3
350	58225	0.005 by 1 by $6\frac{3}{4}$	$\frac{1}{2}$	4
400	64858	0.007 by 1 by $6\frac{3}{4}$	$\frac{1}{2}$	4
500	157027	0.007 by 1 by $6\frac{3}{4}$	$\frac{1}{2}$	6