

ECHO SOUNDING APPARATUS

New Marconi « GRAPHETTE » dry-paper Recording Echometer

Communicated by « The Marconi International Marine Communication Company, Limited », Marconi House, Chelmsford.

The « Graphette » by no means supersedes the Marconi « Seagraph » and « Seavisa » instruments, but is an extension of their range of echosounding equipment.

The range of the Seagraph is presently the following :

Type	Range 1	Soundings per M.	Range 2	Soundings per M.	Range 3	Soundings per M.
840	0-150 feet	291	0-150 fms	48.5	0-600 fms	12.1
840A	0-150 fms	48.5	0-300 fms	24.25	0-600 fms	12.1
840C	0-150 feet	291	0-150 fms	48.5	0-750 fms	9.7
840D	0-150 feet	291	0- 75 fms	97	0-150 fms	48.5
840E	0-150 fms	97	0-150 fms	48.5	0-600 fms	12.1

Figure 1 shows a simplified diagram of the transmitter circuit of the Marconi Marine « Graphette » echometer.

Figure 2 illustrates the Marconi Marine « Graphette » recording echometer.

Figure 3 shows how the front panel hinges outwards for easy access to components.

Figure 4 is a typical sounding record taken on the Marconi Marine « Graphette » recording echometer showing fish shoals observed near the surface as the vessel was departing from Lisbon.

Figure 5: GM1: Remening paper in the Marconi Marine « Graphette » recording echometer showing how the platen swings forward to bring the empty spool and the roll of used recorder paper within easy reach.

Figure 6: GM2: Withdrawing the completed spool of recorder paper from the Marconi Marine « Graphette » echometer.

Figure 7: GM3: The new spool of recording paper in place in the Marconi Marine « Graphette » echometer. Tension is adjusted and the platen assembly swung back into place ready to recommence sounding.

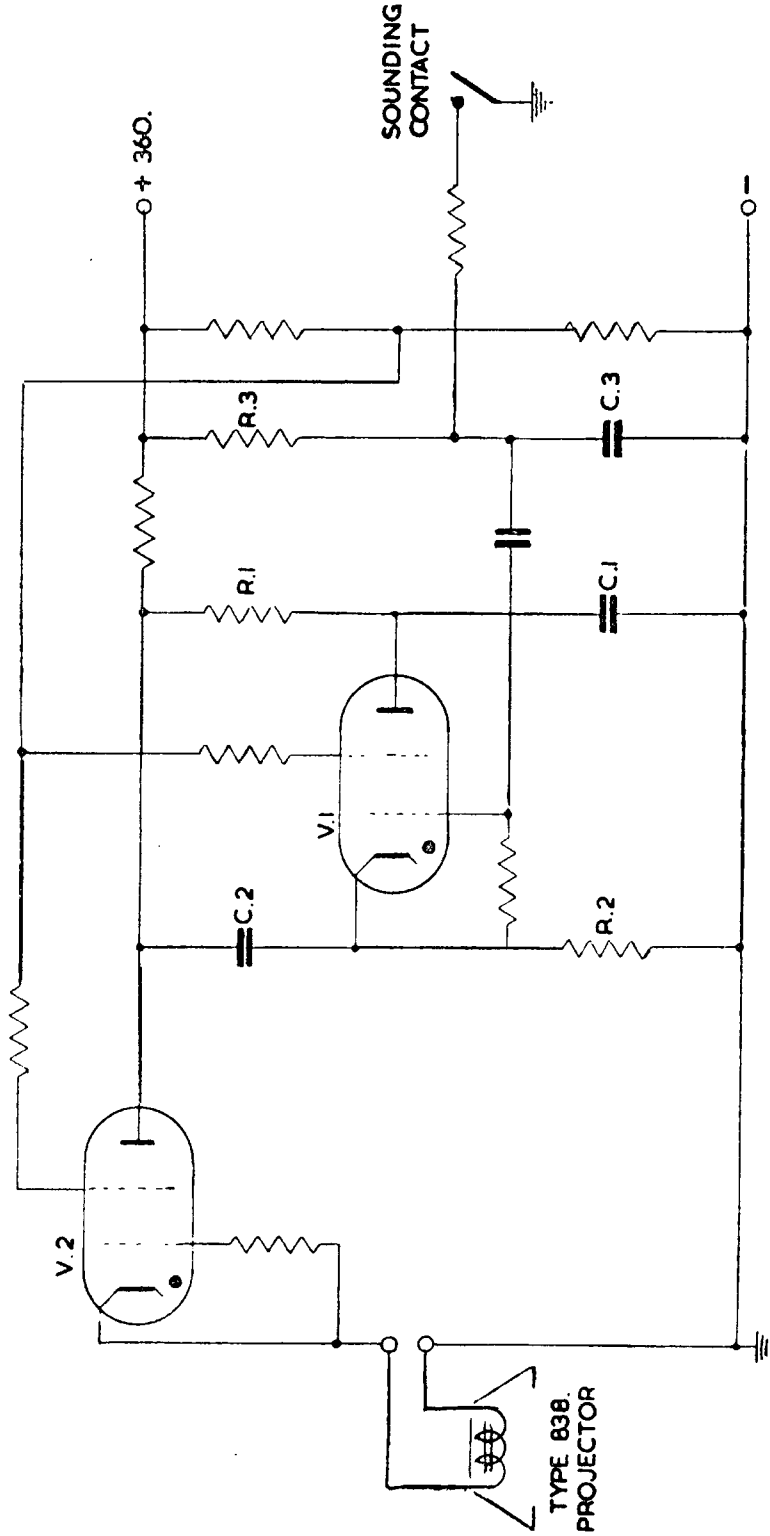


Fig. 1

Transmitter circuit of the Marconi « Graphette » recording echometer (simplified diagram).

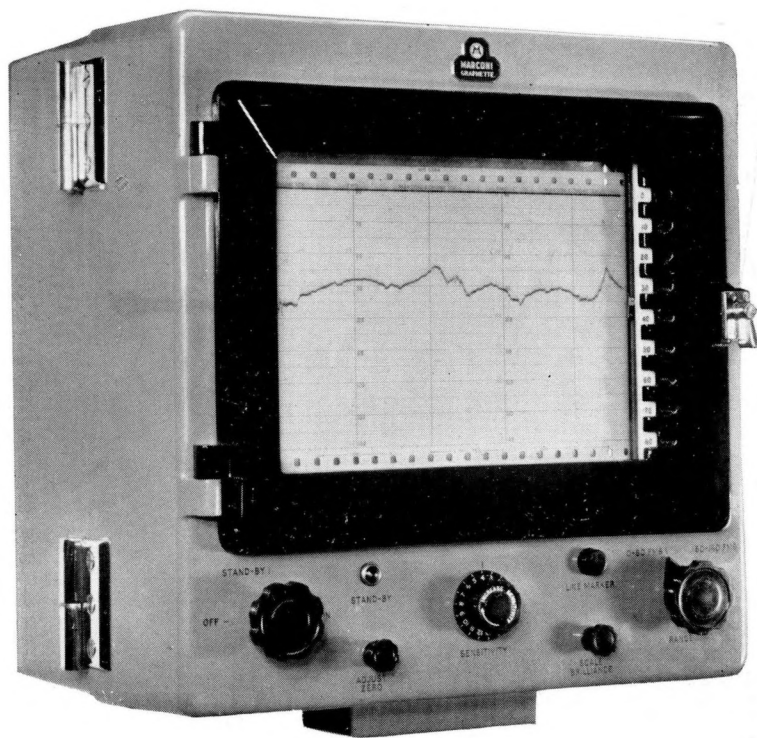


Fig. 2

The Marconi « Graphette » dry-paper recording echometer.

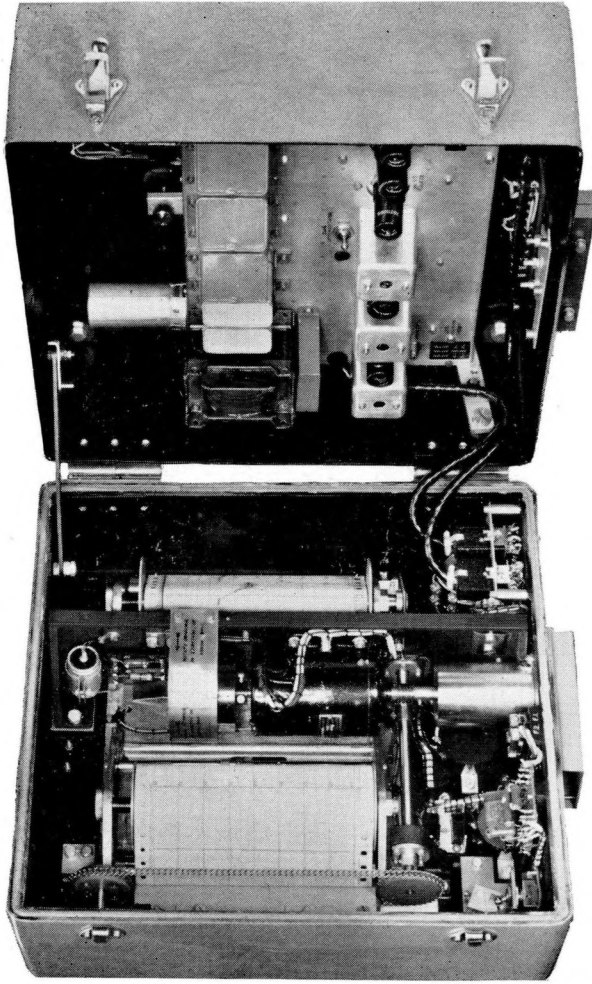


Fig. 3

The Marconi Marine « Graphette » dry-paper recording echometer showing how the front panel hinges outwards for easy access to components.

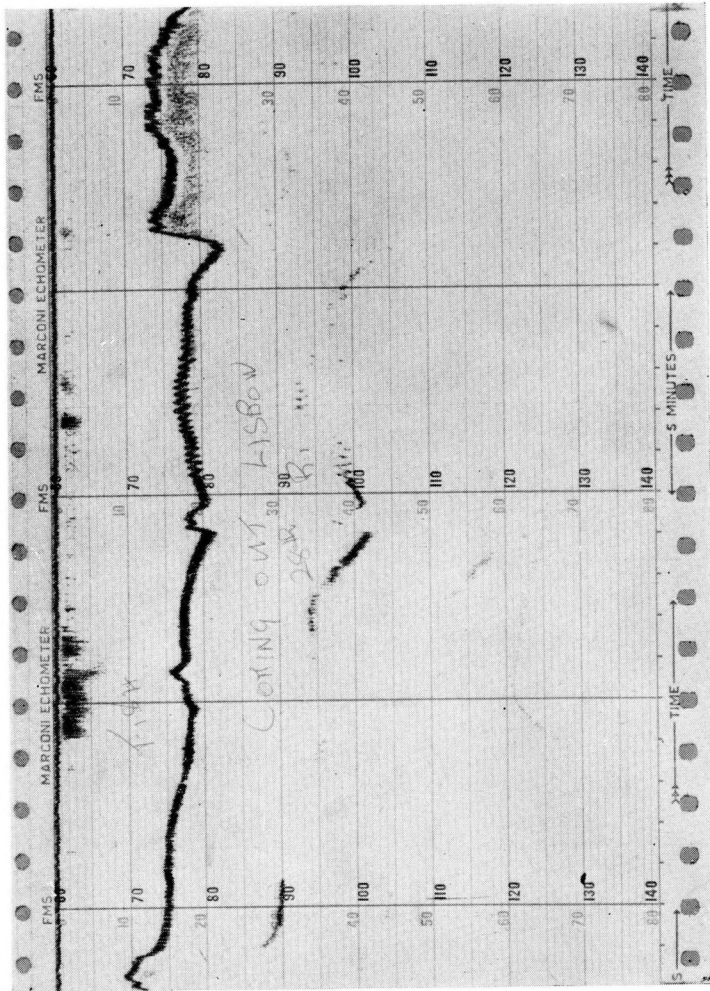


Fig. 4

A typical sounding record taken on the Marconi Marine «Graphette» recording echometer showing fish shoals observed near the surface as the vessel was departing from Lisbon.

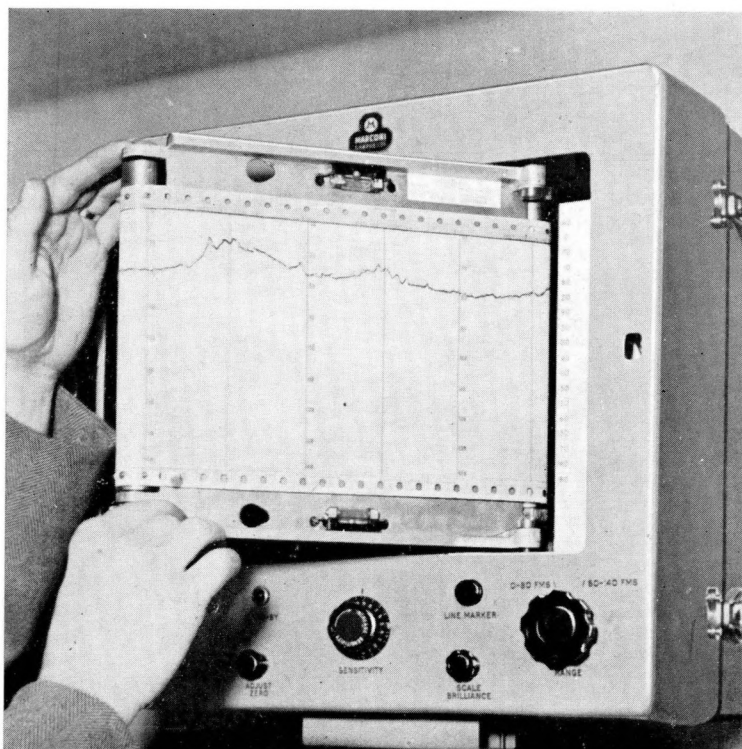


Fig. 5

GM1: Renewing paper in the Marconi Marine « Graphette » recording echometer showing how the platen swings forward to bring the empty spool and the roll of used recorder paper within easy reach.

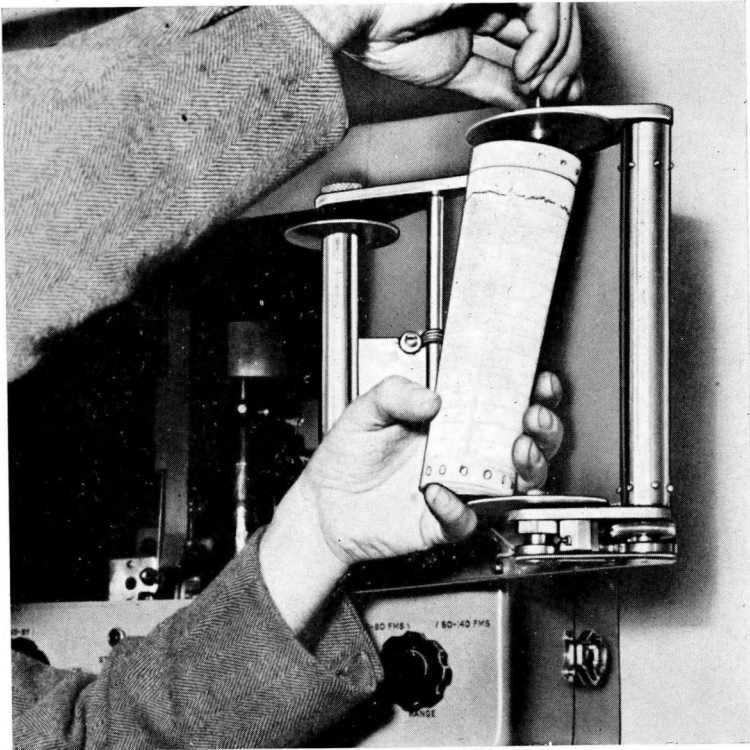


Fig. 6

GM2: Withdrawing the completed spool of recorder paper from the Marconi « Graphette » echometer.

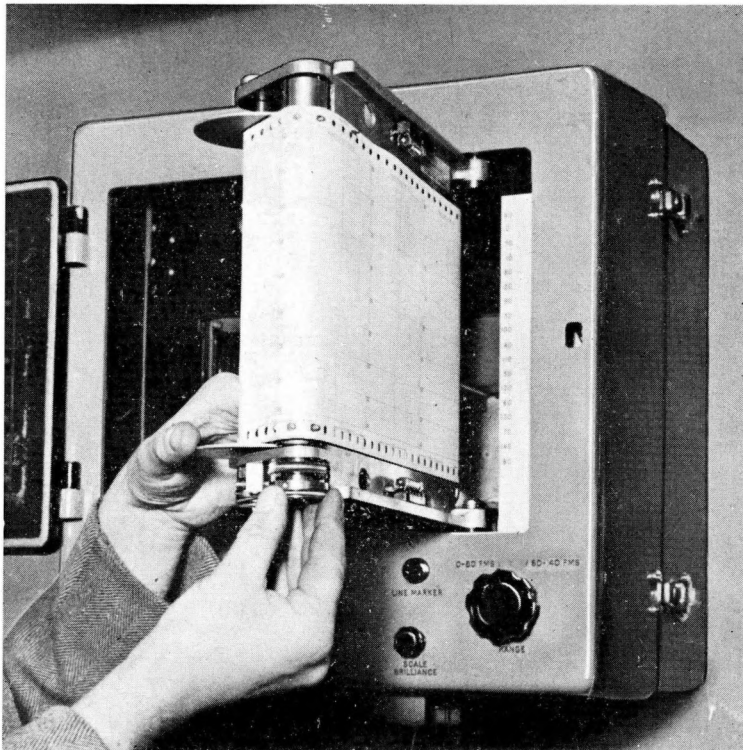


Fig. 7

GM 3: The new spool of recording paper in place in the Marconi Marine « Graphette » echometer. Tension is adjusted and the platen assembly swung back into place ready to recommence sounding.