

OUTLINE OF SYSTEM

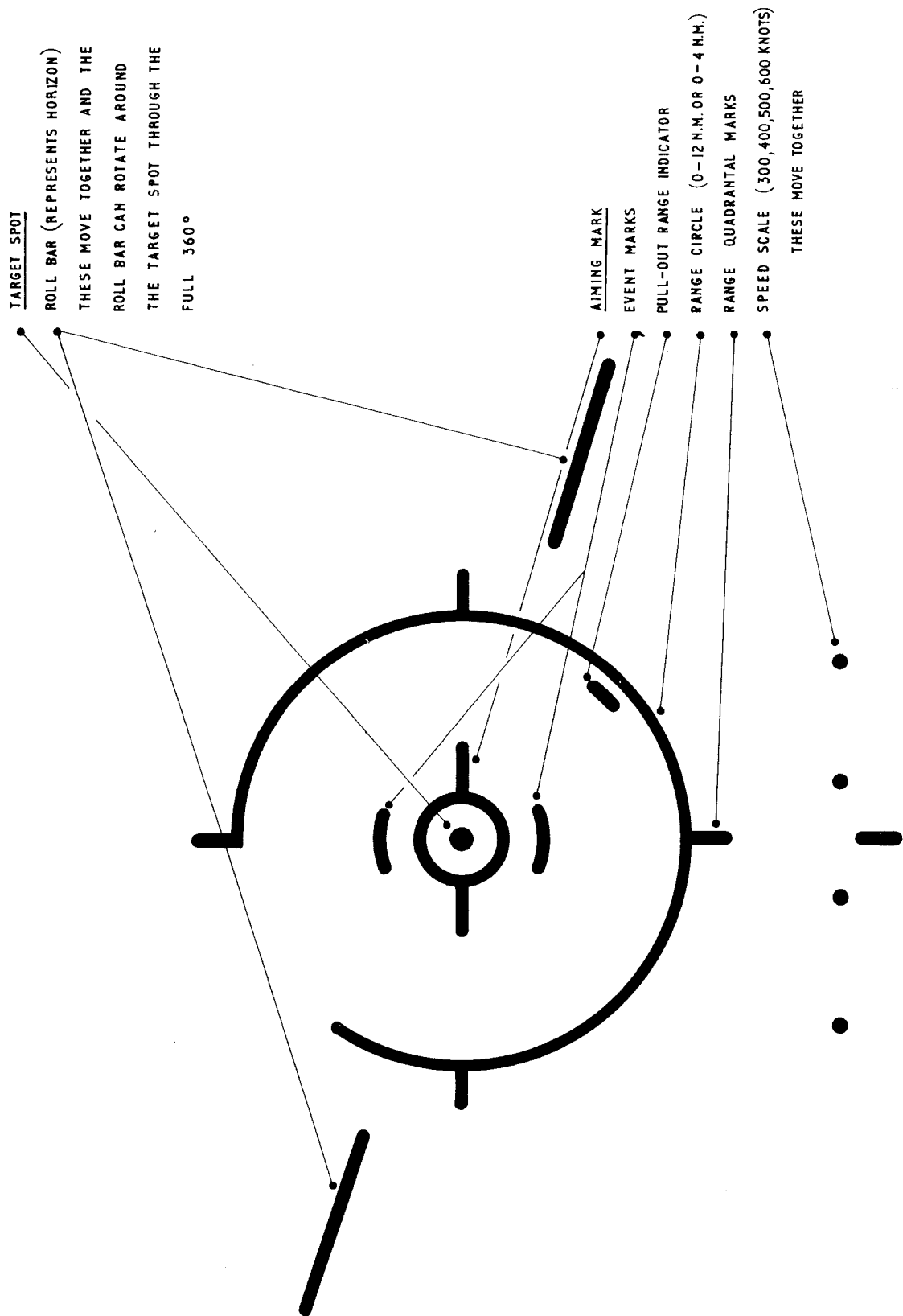


Fig.2 Strike Sight display pattern

Fig. 1

1. A/C approaching target but not yet locked e.g. range 25 miles. Display shows nose of A/C being banked to Stbd. to correct aiming error.

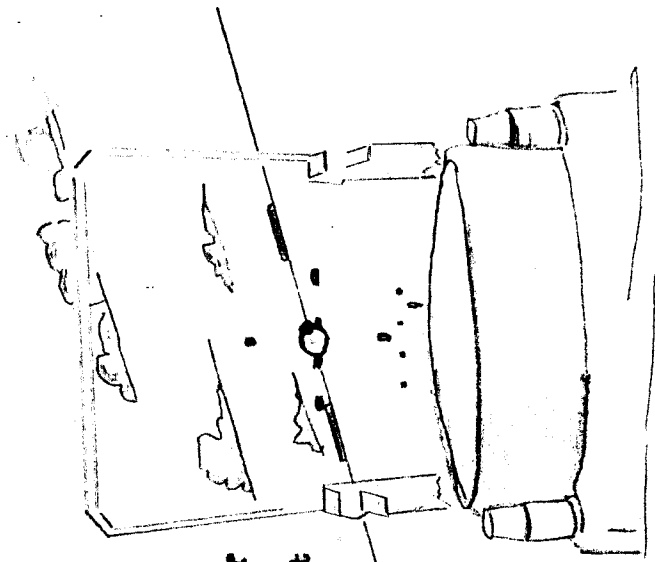


Fig. 2

2. Radar locked on to target. Range scale denotes range to target with clock type scale i.e. 10 miles range, illustrated is 10 miles. Pull up will commence range scale reaches pull range indicator i.e. at about 4 miles from target in this example. A/C being banked to Port.

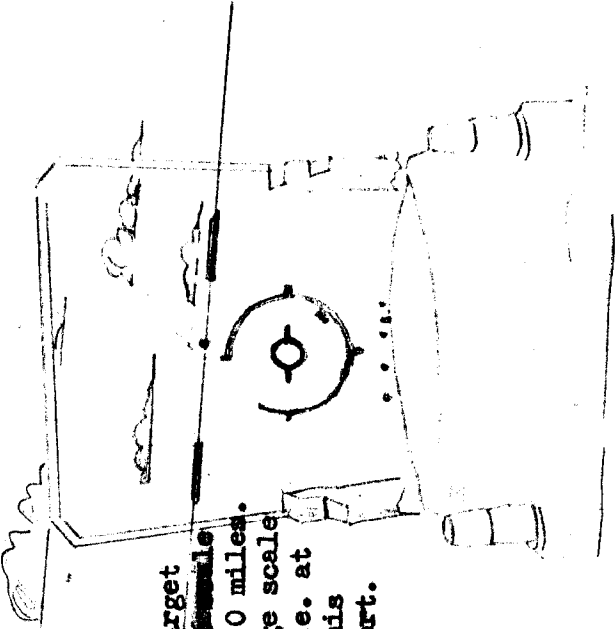


Fig. 3

3. First event marker appears denoting 3 seconds to pull out. Pilot must now have decided whether or not to make attack. Operation of accept trigger on stick causes second event mark to appear see fig; 4. Target has appeared visually behind target spot. Display is offset to Stbd, to provide aim off correction of cross wind.

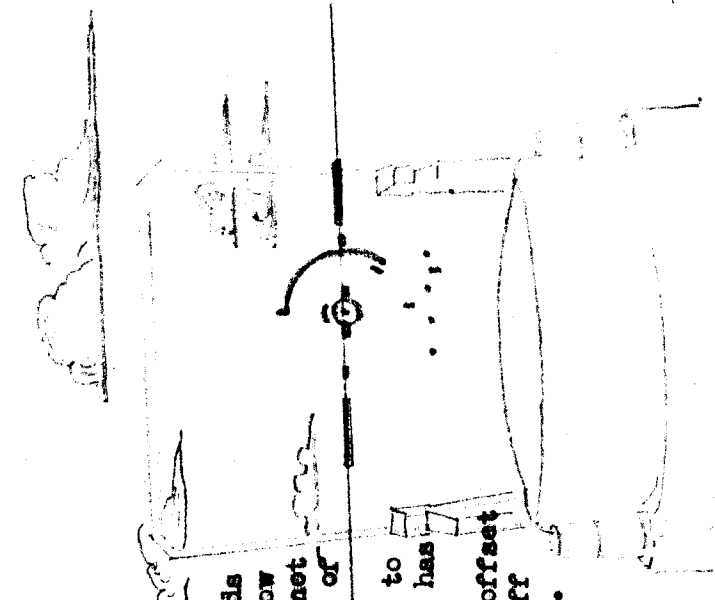
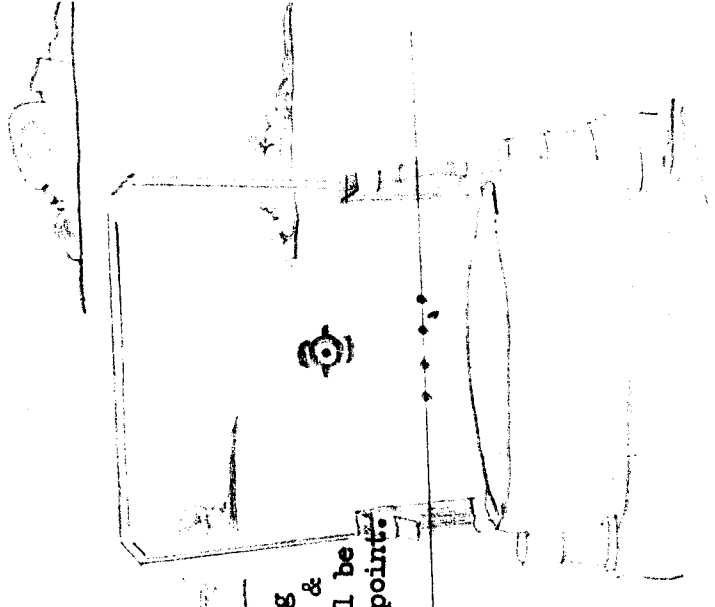
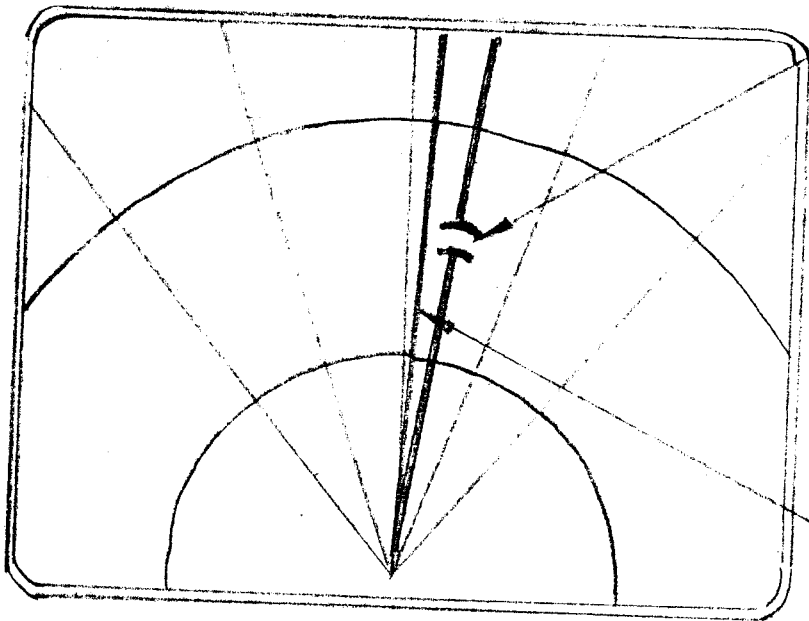


Fig. 4

4. Range scale & horizon bar have disappeared & pull up has commenced. Pilot is controlling pitch rate to maintain aiming mark & target spot coincident. Weapon will be released automatically at correct point.





TARGET MARKER

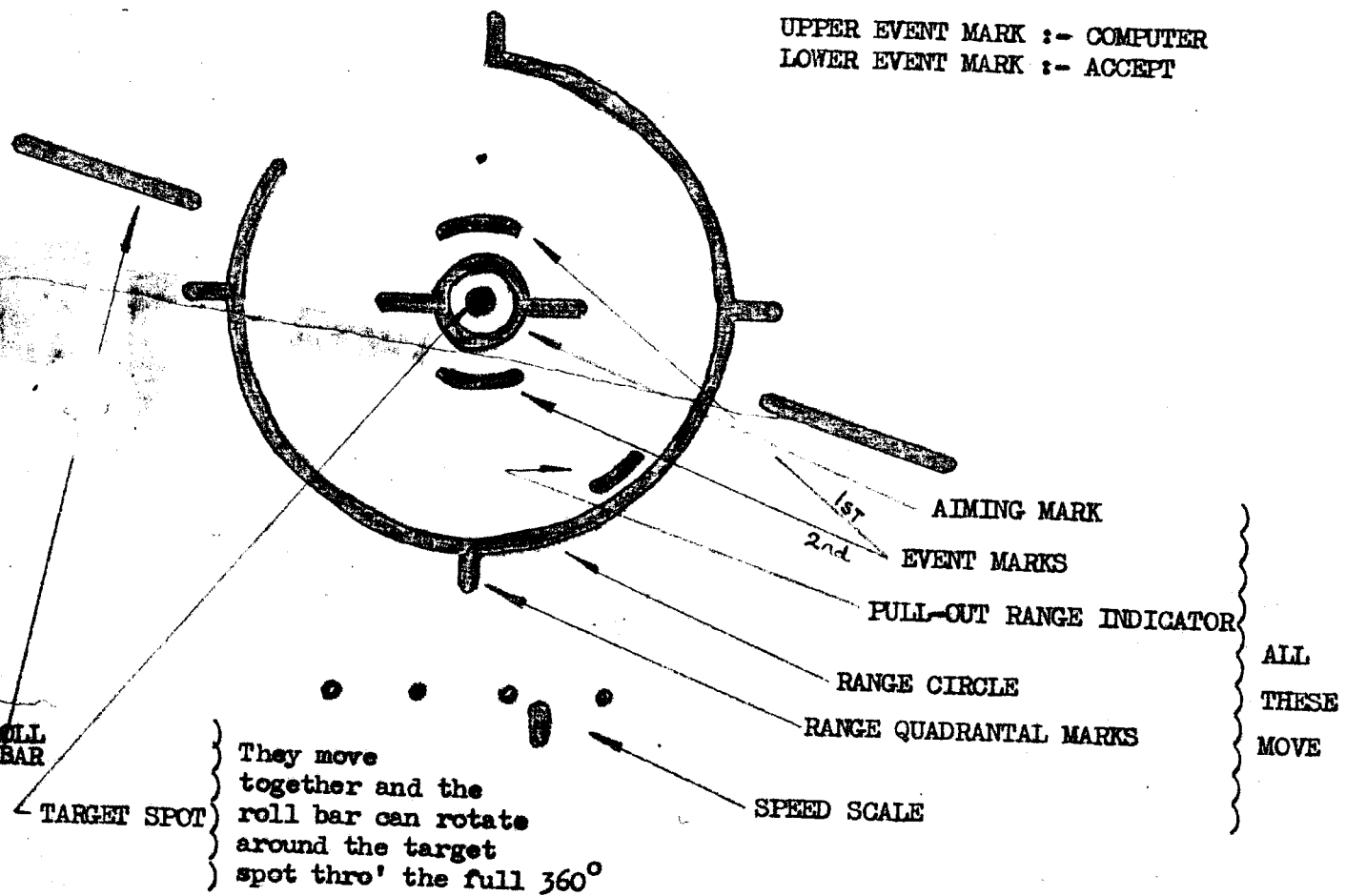
Consists of a radial line and two arcuate lines; the latter appear only when the equipment is scanning

TRACK MARKER

This can be displayed instead of the radial target marker.

LIGHT LINES INDICATE FIXED GRATICULE LINES

FIG. 1. OBSERVER'S DISPLAY
(INDICATOR AZIMUTH RANGE)



UPPER EVENT MARK :- COMPUTER
LOWER EVENT MARK :- ACCEPT

1st AIMING MARK

2nd EVENT MARKS

PULL-OUT RANGE INDICATOR

RANGE CIRCLE

RANGE QUADRANTAL MARKS

SPEED SCALE

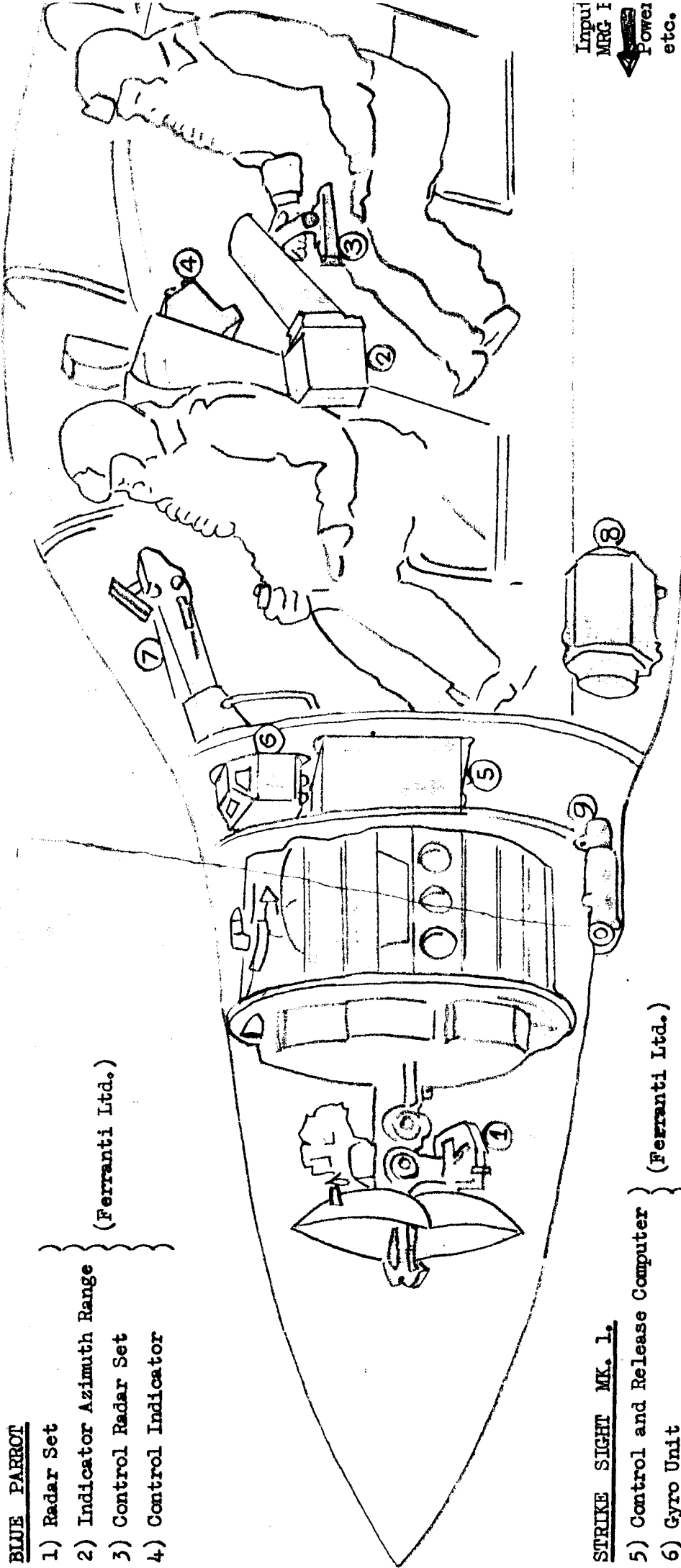
ALL THESE MOVE

They move together and the roll bar can rotate around the target spot thro' the full 360°

FIG. 2. PILOT'S DISPLAY
(STRIKE SIGHT DISPLAY UNIT)

BLUE PARROT

- 1) Radar Set
 - 2) Indicator Azimuth Range
 - 3) Control Radar Set
 - 4) Control Indicator
- (Ferranti Ltd.)



Input
MRG I
Power
etc.

STRIKE SIGHT MK. 1.

- 5) Control and Release Computer } (Ferranti Ltd.)
- 6) Gyro Unit } (Rank Cintel Ltd.)
- 7) Pilot's Display Unit } (Specto Ltd.)
- 8) Display Waveform Generator }
- 9) Weapon System Recorder }

FIG. 3

RADAR FIRE CONTROL SYSTEM

UHF	COMMUNICATION
UHF STANDBY	"
HF	"
UHF HOMER	NAVIGATING PID
TACAN	"
BLUE JACKET	"
BLUE PARROT	SEARCH RADAR
RADIO ALTITUDE	HEIGHT MONITORING
IFF	IDENT (CPA)
PULSE HOMER	ANTI-REFUSE

ENGINEER
AERIAL LOGGING

SERVICE

