

DETECTOR, MINE, No. 3. (POLISH)

INSTRUCTIONS FOR USE

This Detector gives warning of the presence of metal objects, such as buried Mines by a Howl which is heard in the Headphones when the Search Coil is passing over the objects.

TO OPERATE THE DETECTOR

- 1 Unpack and check the Kit with List on other side of card. Insert H.T. & L.T. batteries in Amplifier if they are not already in position. See instructions label inside case.
- 2 Remove nut and bolt from Lug on top of Search Coil. Couple pole, front section, to Search Coil Lug, with lead, plug and socket uppermost—See sketch. Replace bolt and secure with nut.
- 3 Plug in pole connector to socket on Search Coil. See that the projection on the plug body fits into the slot in the socket. Screw the locking ring down firmly in a clockwise direction.
- 4 Remove Headphones and plug-connector from the satchel and re-fasten the top flap, making sure that the leads to the plug and Headphones come out on the RIGHT HAND side—See sketch. Unbutton the side flap and fasten it on the two upper studs.
- 5 Fit pole, rear section, to Control Box. Revolve it until the pin drops into the slot provided. Lock by tightening up clamping handle.
- 6 See that "ON-OFF" switch on the Control Box is set at "OFF" position; i.e. with lever away from Control handles.
- 7 Plug Amplifier connection into socket on Control Box, securing with locking ring as in para. 3.
- 8 **TO SWITCH ON:**—Move switch lever to "ON" position. A faint howl should now be audible in the Headphones. Turn up the Gain Control Handle clockwise until the howl is loud.
- 9 Put on the Headphones and raise the Search Coil about 5 ft. off the ground and at least 5 ft. from any metal objects—THIS IS IMPORTANT.

SATCHELS, CARRYING
WA.10099
CONTAINING
AMPLIFIER
WA.10101

GAIN
CONTROL

POLE
(REAR SECTION)
& COUNTER-WEIGHT
ASSEMBLY
WA.10183

PADS, ELBOW.
WA.9949
OR
WA.10282

STRAPS, SHOULDER,
HAVERSACK
WE.LEFT. AA.1711

STRAPS, SHOULDER,
HAVERSACK
WE.RIGHT. AA.1712

FROG
WA.9948

AMPLIFIER
PLUG

CONTROL BOX
POLE & PIVOT EYE
ASSEMBLY
WA.10182

SEARCH, COILS
WA.10176
OR WA.10177

SOCKET

LUG

Very SLOWLY adjust the handles on the Control Box alternately, until the howl is reduced to a minimum. When correctly adjusted any further alterations of the handles in either direction will cause an increase in the howl.

- 10 Remove Amplifier plug from end of Control Box and be sure when lowering to the ground that dirt does not get inside the socket.
- 11 Fasten Frog to the Belt, Waist, so that it rests on the right groin. Put on Amplifier pack, hooking it to buckles on web equipment, and hook the pole to the frog.
- 12 Re-couple Amplifier plug with pole. Make sure connections are tight. See para. 7 above.
- 13 Lower the Search Coil to within 3 to 6 inches of the ground and proceed to search, keeping the Coil moving from side to side in front of the body. Any increase in the loudness of the howl will indicate the presence of metal under the Search Coil. Make one complete sweep for each pace forward.

14. **TO SWITCH OFF:**—See para. 6. Removing Amplifier plug from socket on pole will also disconnect the set. Replace screwed cap on Control Box in order to keep out dirt and water.

Use of Probes, Small, No. 1, Table of Operating Faults and Equipment List, see other side.