

**PANEL-MOUNTED TELEGRAPH APPARATUS FOR PUBLIC CIRCUITS.**

**Panel, Telegraph, No. 9. (Diagram TG. 743)**

1. Panel, Telegraph No. 9 is employed for the universal battery supply of  $\pm 24$ , 40, 80 and 120 volts. The power leads are connected to soldering sockets at the rear of each of eight bus-bars. Four bus-bars on the right-hand side of the panel are used for the positive supplies; similarly, four bus-bars on the left-hand side are used for the negative supplies. Ten clips, to hold Fuses No. 1/1 are attached to the 40-volt and 80-volt bus-bars. Five clips are attached to the 24-volt and 120-volt bus-bars. To provide a means of changing the value of the line battery, holes—arranged in half circles—are drilled in the panel. On the positive side of the Panel, eight groups of four sockets—arranged in half-circles—are drilled in the panel; to each of these sockets one of the positive powers is connected. A socket—drilled centrally within the arc—is connected to a line battery lamp resistance on a Panel, Telegraph No. 11. Similar arrangements are provided on the negative side of the Panel. A U-link has one side anchored to the central socket whilst the other side may be inserted in any one of the four sockets referred to above. Thus, any one of the four battery powers may be connected to a Set, by adjusting a U-link. The 24-volt and 120-volt batteries are shared by two adjacent set links, so that there is full availability of 40-volt and 80-volt supply but only half availability of 24-volt and 120-volt supply.

2. The Set-positions on Panels, Telegraph No. 9, are wired and extended in a cable to the upper part of the Test Bay, where the free ends are coiled. The leads are "tapped out" and connected to the jacks on the lamp panels at the Office where the equipment is installed. From the lamp panel, the power leads pass through the wiring of the tag strips to the jack field on the Test Bay.

3. The Panel is equipped with the following apparatus :—

- 140 Clips, G.T. Fuse, B
- 1 Label, No. 175.
- 118 Tags, No. 49.

To be requisitioned separately, as required :—  
Fuses, No. 1/1.

References :—None.

E N D.