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ADMIRALTY PATTERN S.S. 105.

BOOK OF INSTRUCTIONS

FOR

NOTE MAGNIFIER N22.

MAY 1942.

ADMIRALTY PATTERN S.S.105.

BOOK OF INSTRUCTIONS FOR NOTE MAGNIFIER N22.

1. DETAILS.

Date of Design: 1941.

Frequency range:- 400 - 4,000 c.p.s.

Valves used:- A/F Amplifier (1) indirectly heated triode Patt.1528A NR78A (6J5G) coupled by A/F transformers.
Push-pull output valves (2) (3) indirectly heated tetrode 25L6G (M.O. KT32) A.M. VR502.

2. GENERAL

Note Magnifier N22 has been designed as a power amplifier to give loudspeaker reception from Tuner Amplifier B19 or other receivers not provided with a power output stage. This note magnifier is intended to drive a 1.5-watt loudspeaker Patt.4480 in the W/T office and a Loudspeaker, Dual, Horn, Large Assembly "D" (comprising Patt.789 Unit, Patt.4138 transformer) on the Bridge or other exposed position. The output from the dual horn loudspeaker is adjustable by means of a volume control or Attenuator Unit Patt.W.2926 connected in the loudspeaker leads. The Patt. 4480 loudspeaker has its own volume control incorporated.

The note magnifier gives an output of 2 watts with not more than 10% harmonic distortion for an input of 35 millivolts into the 600-ohms input jack. The power supplies are taken entirely from the ship's D.C. mains, provision being made for either 220 or 110 volt supply.

The construction and mounting arrangements of the note magnifier are similar to those of Tuner-amplifier B19.

NOTE MAGNIFIER N22.
CIRCUIT DIAGRAM.

