

# PRESSURE GAUGES FOR MARINE ENGINEERING

*Blackwood* and *Whitby* Classes are being fitted with pressure gauges for steam, water services, etc., having B.S.P. thread screwed connections. Replacements are not yet available through Naval Stores although the relevant lists of *Permanent Stores for Engineering Purposes* may incorrectly indicate Admiralty Pattern equivalents, which have Admiralty Fine Threads.

In the interim period until the new specification gauges are added to the *Rate Book*, replacements should be demanded from S.P.D.C. (U.K.) and not from Naval Stores. The screwed connections of defective gauges should be carefully examined as some gauges fitted have Admiralty Fine Threads and therefore an Admiralty Pattern equivalent may be suitable. Those with B.S.P. thread should be demanded from S.P.D.C. (U.K.) quoting full details of thread dimensions, etc. Stocks in anticipation of requirements, however, will not be built up at S.P.D.C. to avoid prejudicing the manufacturers' output for first outfits, etc., and some delay in supply will have to be accepted. There is no suitable Admiralty Pattern adaptor for using Admiralty Pattern gauges with B.S.P. fittings.

Most of the B.S.P. gauges in use in the Engineering Department will have 19 T.P.I. as the following table indicates :—

<i>Nominal size of gauge</i>	<i>B.S.P. Parallel Thread</i>			<i>T.P.I.</i>
	<i>Direct and surface mounting gauges</i>		<i>Flush mounting gauges</i>	
	<i>Up to 1,000 lb/sq in</i>	<i>Above 1,000 lb/sq in</i>	<i>All pressures</i>	
2"	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	28
2½"	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	19
3"	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	19
4"—8"	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	19 for $\frac{3}{8}$ " 14 for $\frac{1}{2}$ "
10"—12"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	19 for $\frac{3}{8}$ " 14 for $\frac{1}{2}$ "