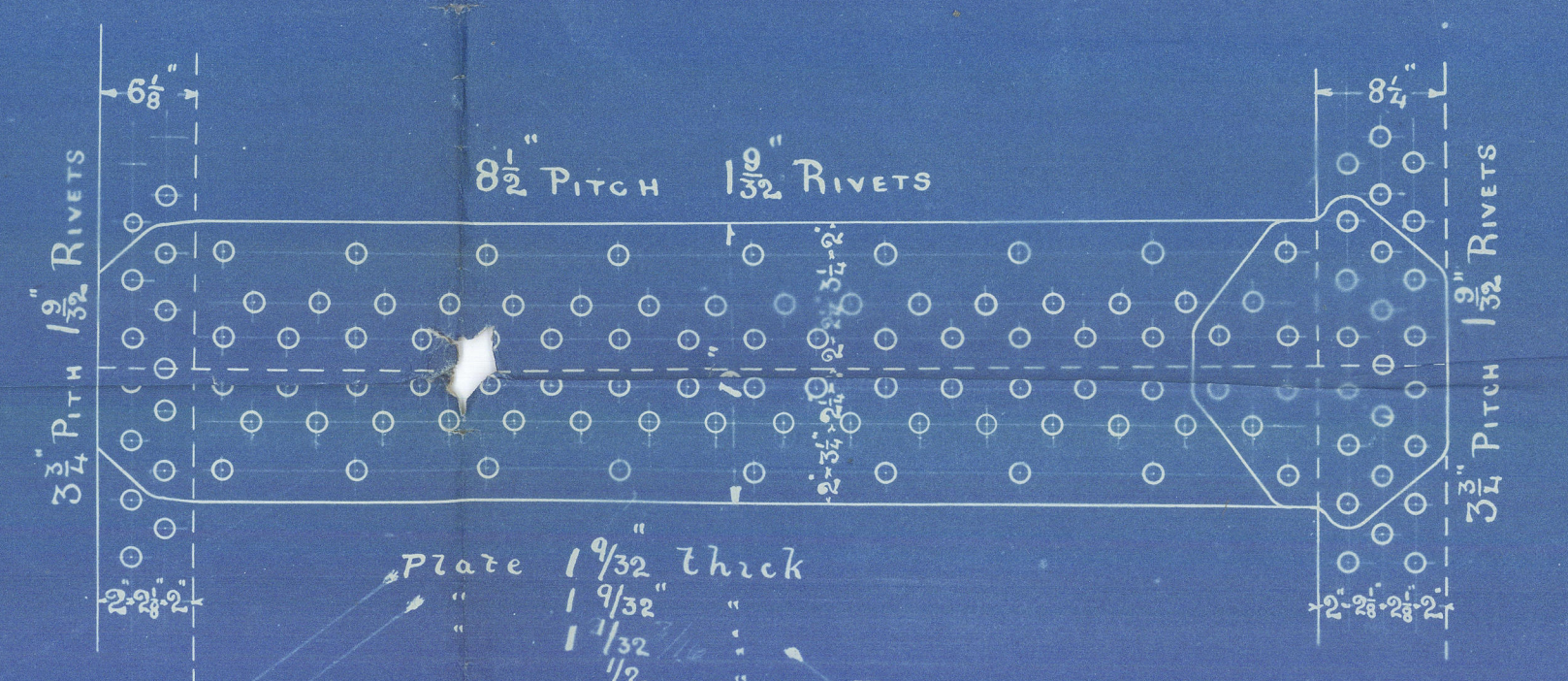


21. 98.

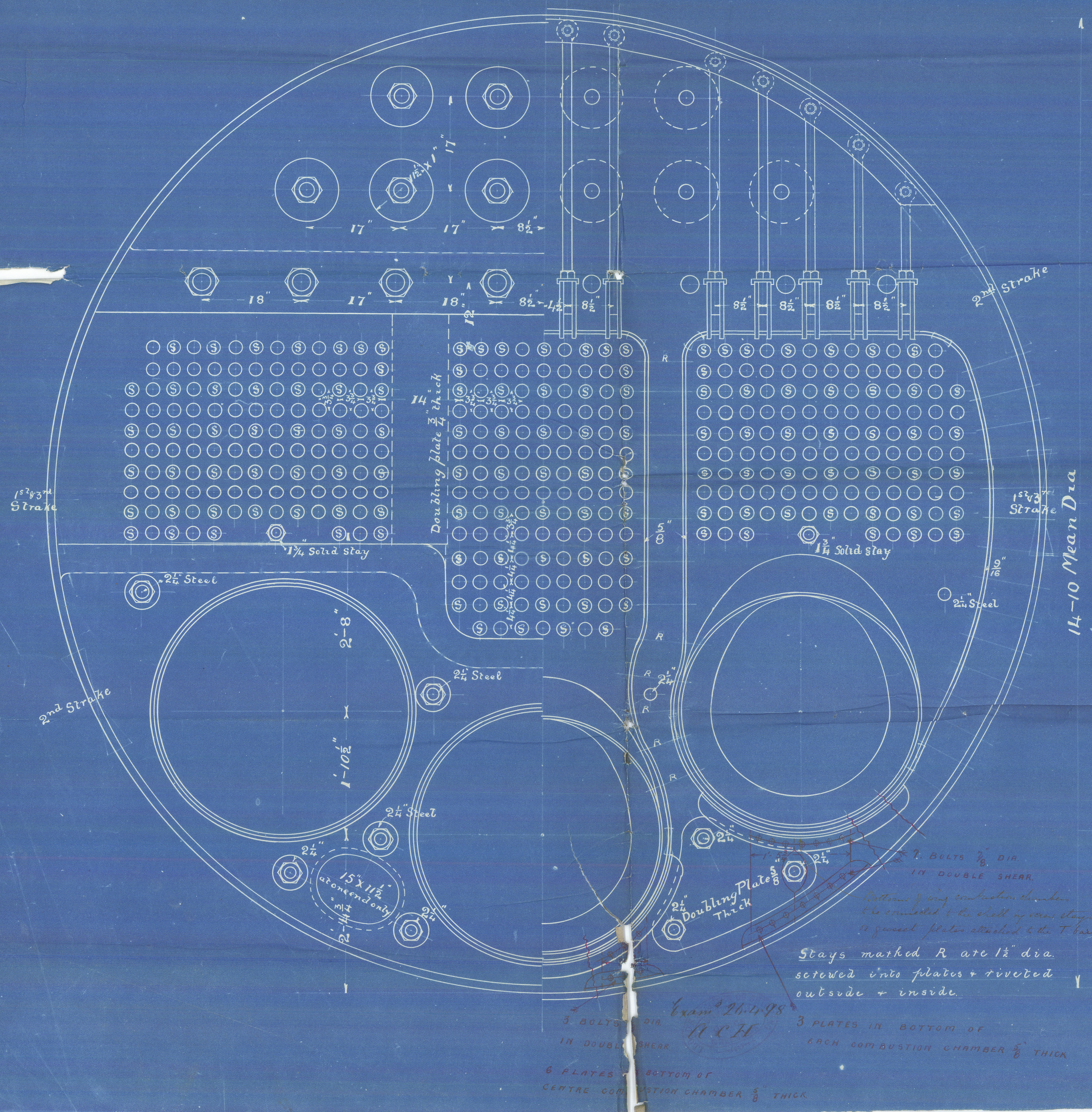
MAIN BOILER NO. 358-359 for S.S. 242 & 243.
 296 approved 11/9/99

SCALE, 1-INCH TO THE FOOT

Surfaces, Sq. Ft.	
Heating Surface in one Boiler	4350' x 3 = 13050 sq. ft.
Graze " " "	118.2' x 3 = 354.6 "
Steam Space	740' x 3 = 2220 cu. ft.
Ratio of Graze to Heating Surface,	36.7



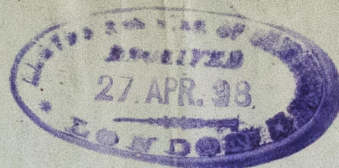
Boiler Shell Steel Working Pressure 170 lbs
 Longitudinal joints, double butt straps, treble riveted } All holes drilled in place
 Circumferential joints, treble riveted in centre seams }
 double-riveted at ends
 Tensile strength of steel 28 tons. Factor 4.5
 Percentage strength of joint = 84.92% for plate section, 85.09% for rivet section B of T.
 Rules - Board of Trade & Lloyds 87.97 Lloyds
 Circumferential Plate Section 65.8% Rivet Section 66.1%



Stays marked R are 1 1/2 inch dia. screwed into plates & riveted outside & inside.
 3 PLATES IN BOTTOM OF CENTRE COMBUSTION CHAMBER 3/8 THICK
 6 PLATES IN BOTTOM OF CENTRE COMBUSTION CHAMBER 3/8 THICK

12 Steel stays screwed 1 1/2 inch dia. fitted to bottom centre combustion chamber

Double ended, Main Boilers
for
Caird's SS 292 & 293.
also for SS 296



T.S.S. "Assaye".

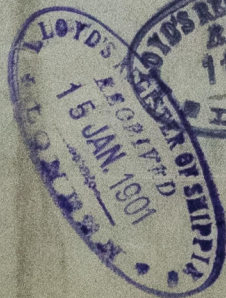
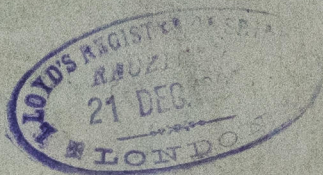
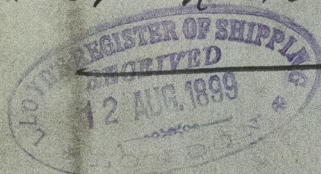
G.R. report No. 12560

T.S.S. "Sobraon".

Glasgow report No. 12642

T.S.S. "Hassie".

G.R. report No. 12897



GRK 349-0150



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