

To Lloyds requirements for a Working Pressure of 180 Lbs. per Sq. Inch and a Test Press. of 320 Lbs. per Sq. Inch

All plates, rivets, stays and girders of steel Tubes of Wrot. Iron Scale: 1" = 1 Foot

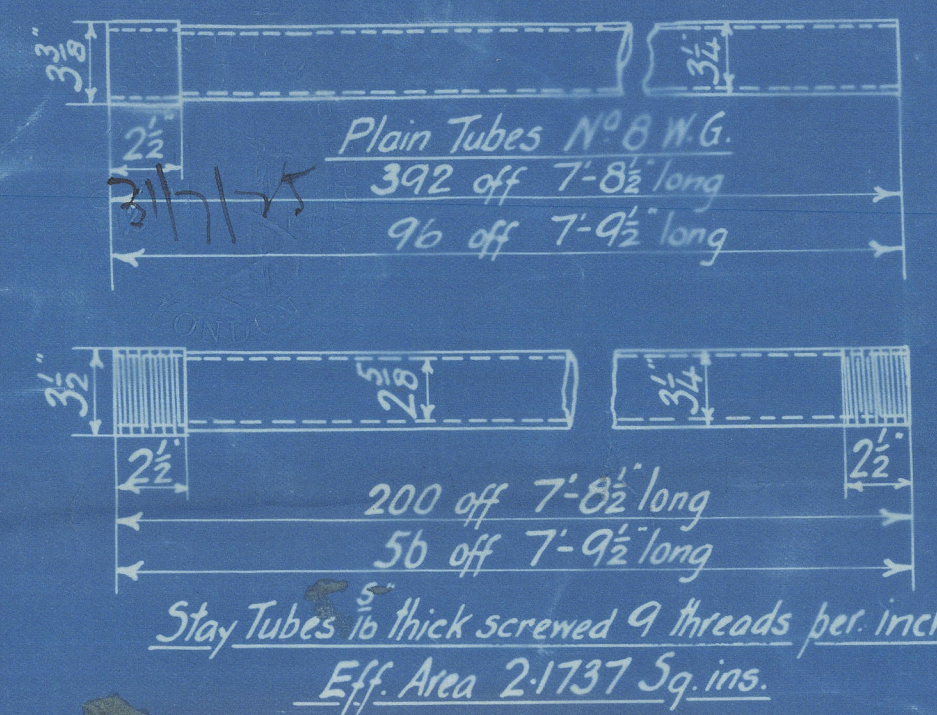
ENGINE

DATE FURNACES ENGINE NO. OFF

DATE FURNACES

8672	20T	Intended for Messrs Short Bros & Co. N° 1414 for 24" 22	Mansure Section
8682	20T	Intended for Messrs Short Bros & Co. N° 1415 for 15" 22	Mansure Section
8692	20T	Intended for Messrs Short Bros & Co. N° 1416 for 15" 22	Mansure Section
8772	20T	Intended for Messrs Short Bros & Co. N° 1417 for 15" 22	Mansure Section
8792	20T	Intended for Messrs Short Bros & Co. N° 1418 for 15" 22	Mansure Section
8812	20T	Intended for Messrs Short Bros & Co. N° 1419 for 15" 22	Mansure Section

SS2	2	Intended for Messrs Short Bros & Co. N° 1422 for 27" 25	Deighton's
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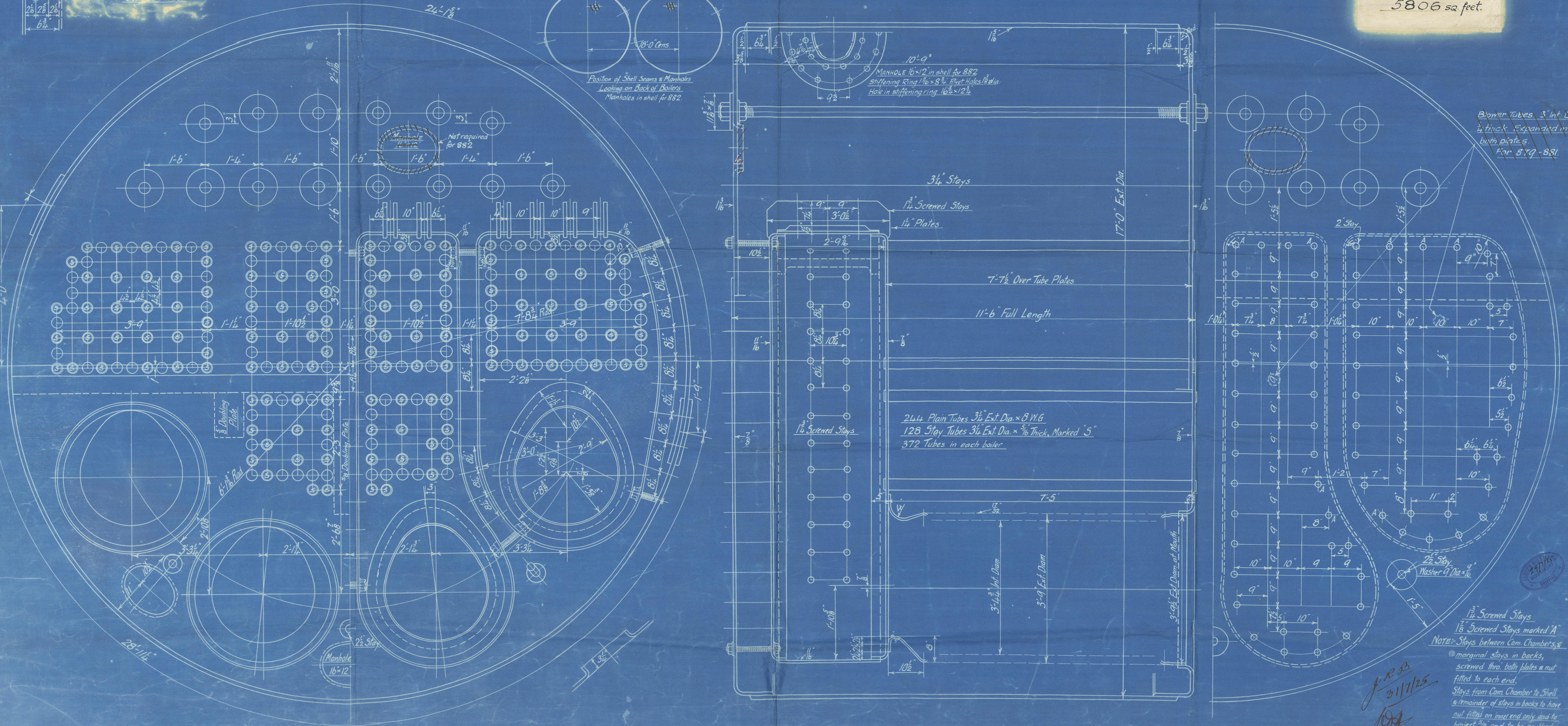


Total Heating Surface
in 2 Boilers =
5806 sq. feet.

Stays				
Tensile Tons per sq. in.	Dia.	Thds. per in.	Eff. Dia.	No. off. each boiler
26 to 30	1 3/4"	9	1.6078	2.031 370
	1 1/2"	9	1.7327	2.355 16
	2"	9	1.8577	2.69 2
28 to 32	2 1/2"	6	2.2668	4.13 3
	3 1/4"	6	3.036	7.22 14

Tensile Strength	
Plate	Tons per Sq. In.
Shell Plates & Butt Straps	24 1/2 to 33
Com. Chamber Girders	28 to 32
All other Plates	26 to 30

Riveting				
Position	Riveting	Rivet Size	Pitch	Lab
Front & Back Seams	Double	1 3/16"	3 1/2"	5 3/8"
Com. Chr. Longitud. Seams	Single	1 1/8"	2 1/2"	2 1/2"
Com. Chr. & Furnace Seams	Single	1 1/8"	2 1/2"	2 1/2"



1 1/2" Screwd Stays
1 1/8" Screwd Stays marked 'A'
NOTE: Stays between Com. Chambers & marginal stays in backs, screwd thro. both plates a nut fitted to each end. Stays from Com. Chamber to Shell & remainder of stays in backs to have nut fitted on inner end only and to project 3/16" and to be caulked.

8672 8682 8692 8772 8792 8812 SS2

Messrs John Dickenson

2 Boilers. Con. N° 882

intended for ✓

Shant Bros S.S 422.

Duplicate of N° 849 fitted
in S.S NEWBROUGH. (except upper
manhole)

No. 7928
LLOYD'S TEST
3204 lbs.
WP 150 lb
G.A. 6-1-26.

No. 7930
LLOYD'S TEST
320 lbs.
WP 150 lb
G.A. 9-1-26

SUNDERLAND RPT. NO. 29225.

W838 — 0210

"Demeterston"



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Lloyd's Register
Foundation