

Mr 19.1.98

AUXILIARY BOILER, CONTRACT N^o 489.

MESS^{RS} SWAN & HUNTERS S.S.N^o 240

HEATING SURFACE SQ. FT.

TUBES	1375
FURNACES	133
COMBUSTION CHAMBERS	212 200
TUBE PLATES	73
TOTAL	1793 SQ. FT. 1481 sq ft.

WORKING PRESSURE 180 LBS. PER SQ. INCH

TEST 360

TO BE CONSTRUCTED TO PASS B. OF T. & LLOYDS REQUIREMENTS

1, OFF. THUS.

SCALE 1" = 1 FOOT.

MATERIAL MANUFACTURED BY

PLATES	STEEL
STAYS	"
RIVETS	"
TUBES	IRON.

PLAN OF SHELL RIVETING

STRENGTH OF JOINT	
PLATE	85.5%
RIVET	85.9% B. OF T.
RIVET	88.7% TO LLOYDS

BOILER SHELL CALCULATED FOR A
MINIMUM STRENGTH OF MATERIAL OF
31 TONS PER SQ. INCH
MAXIMUM STRENGTH OF MATERIAL
34 TONS PER SQ. INCH.

SHELL HYDRAULIC RIVETED WHERE PRACTICABLE
ALL HOLES DRILLED IN PLACE AFTER BENDING
SHELL PLATES 1 1/2" THICK RIVET HOLES
1 3/8" DIA. x 8 1/8" PITCH.
END CIRCUMFERENTIAL SEAMS DOUBLE
RIVETED. RIVET HOLES 1 3/8" DIA. x 8 1/8" PITCH.
CENTRE CIRCUMFERENTIAL SEAMS TRIPLE
RIVETED. RIVET HOLES 1 3/8" DIA. x 8 1/8" PITCH.
BUTT STRAPS INSIDE 1 1/8" OUTSIDE 3/8" THICK.

ALL EDGES OF PLATES TO BE PLANED
AND CAULKED INSIDE & OUTSIDE.

MANHOLE 16" x 12"

DOUBLING 8" x 1 5/8"

M^{rs} NEIL'S PATENT DOOR

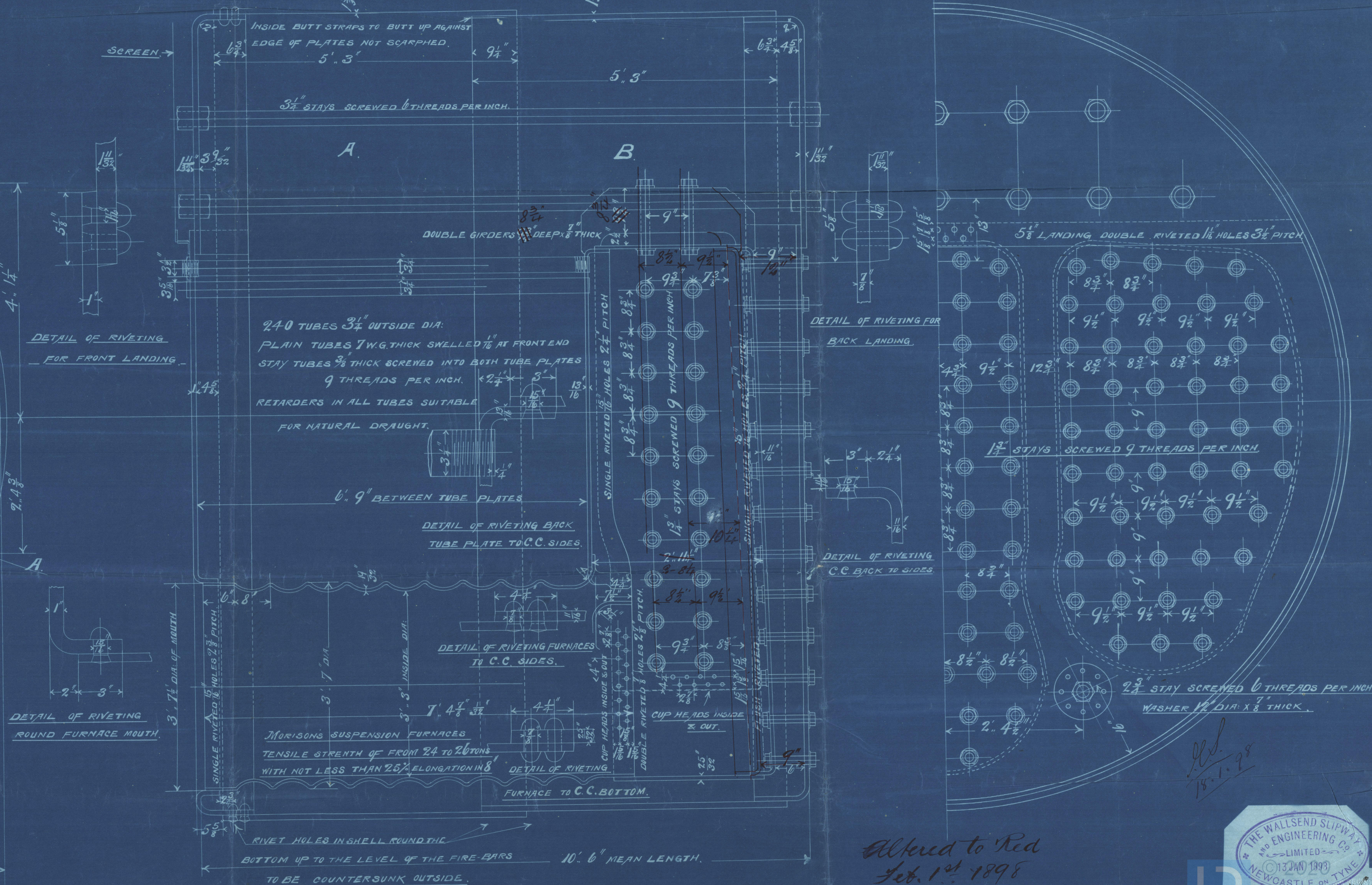
3 1/2" STAYS SCREWED 6 THREADS PER INCH.



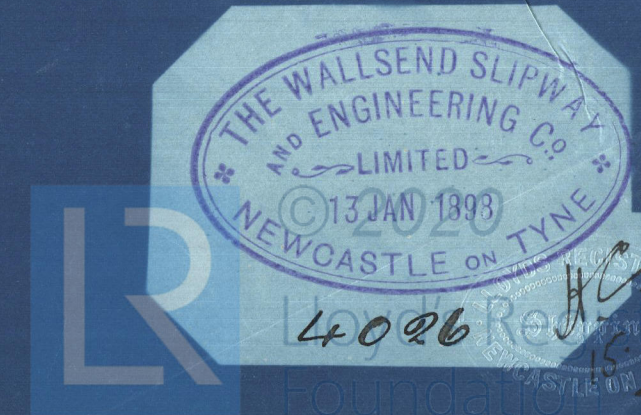
LETTERS A & B DENOTE

POSITION OF BUTT STRAPS

14' 0" MEAN DIA.

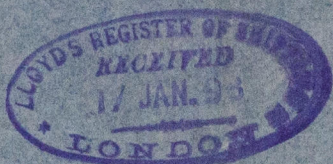


Altered to Red
Feb. 1st 1898



W300-0132

Auxiliary Boilers 489
Wallsend Slipway & Co
15 E. - MP 180 lbs.



No 5337
Lloyds Test
360 lbs
N.C. 10.8.98

Coronda
est

Sp Politician
Dwc F.E. N° 37815



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Lloyd's Register

W300-0132ion