

# AMENDED BOILER - CONTRACT N° 405

Note Alteration to Staying in Steam Space, Messrs William Dobson & Co's 3571° 60 Ship  
also Combustion Chamber Girders, Constructed to pass Lloyd's requirements & Hamburg Law.  
Thickness of Shell Plate and Riving in Clink Circumferential Seam

## Heating Surface

290 Tubes 1460 163.50"

Furnaces 168 15.60"

Combustion Chambers 230 21.30"

Tube Plates 102 9.40"

Total 1 Boiler 2260 209.90"

2 Boilers 4520 419.90"

## Steam Space

Working Pressure 1160 lbs per sq in 11.2 atm

Test Pressure 3200 lbs per sq in 32.4 atm

## Manhole

16" x 11 1/2"

## Doubling

8" x 11 1/2"

2 off thus  
Scale 1" = 1 Foot  
85.4% = 304.90%

## Materials

Plates Steel

Rivets Steel

Stays Steel

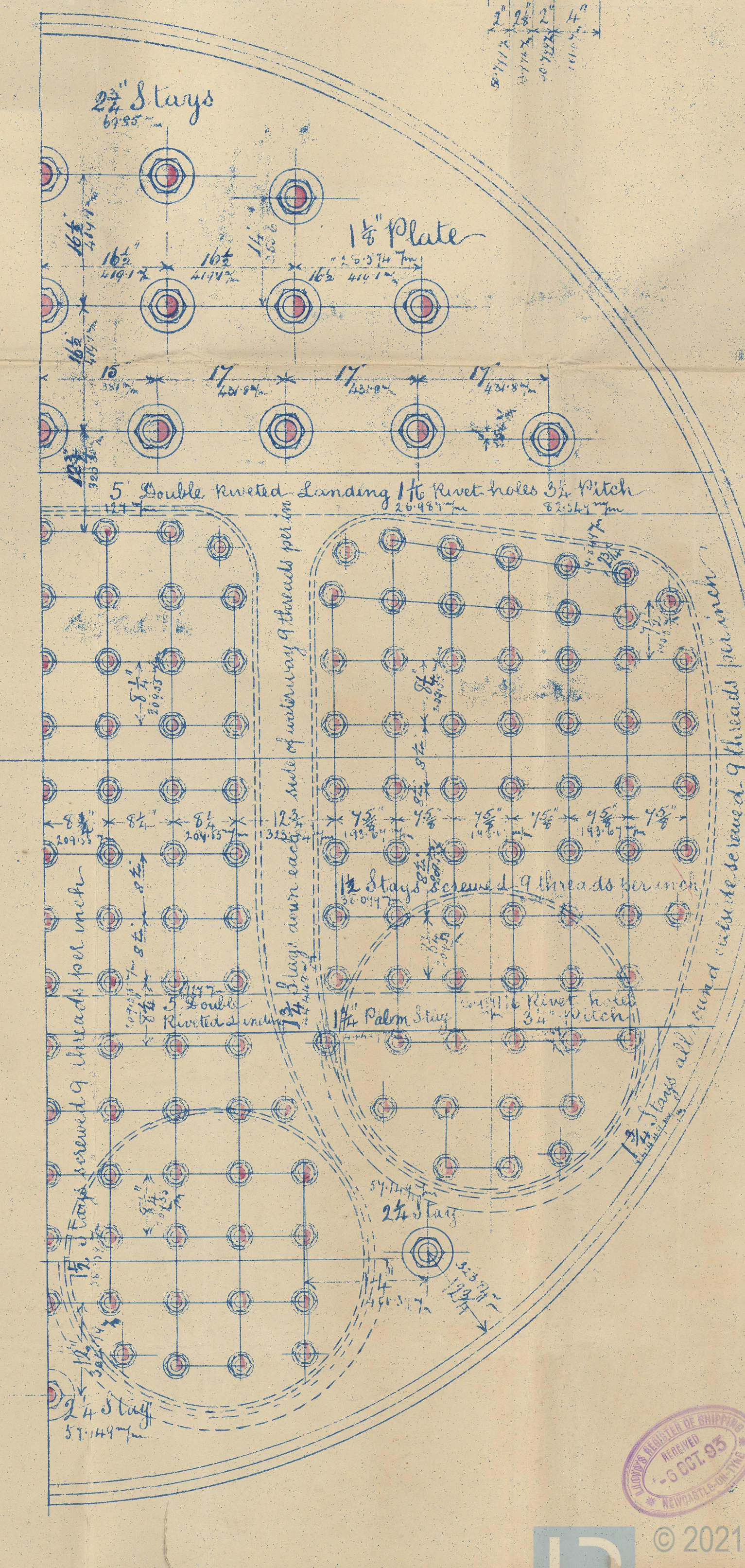
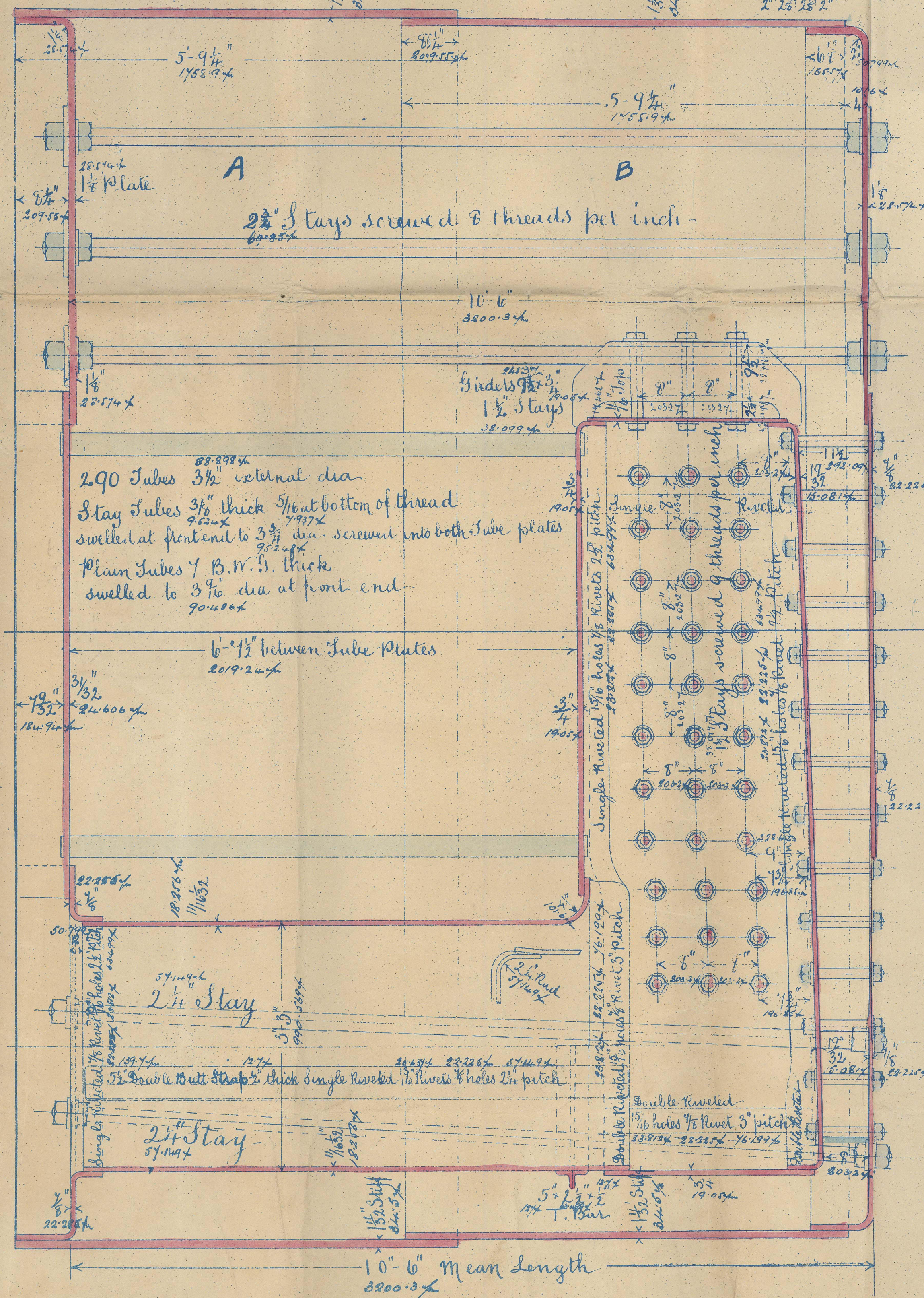
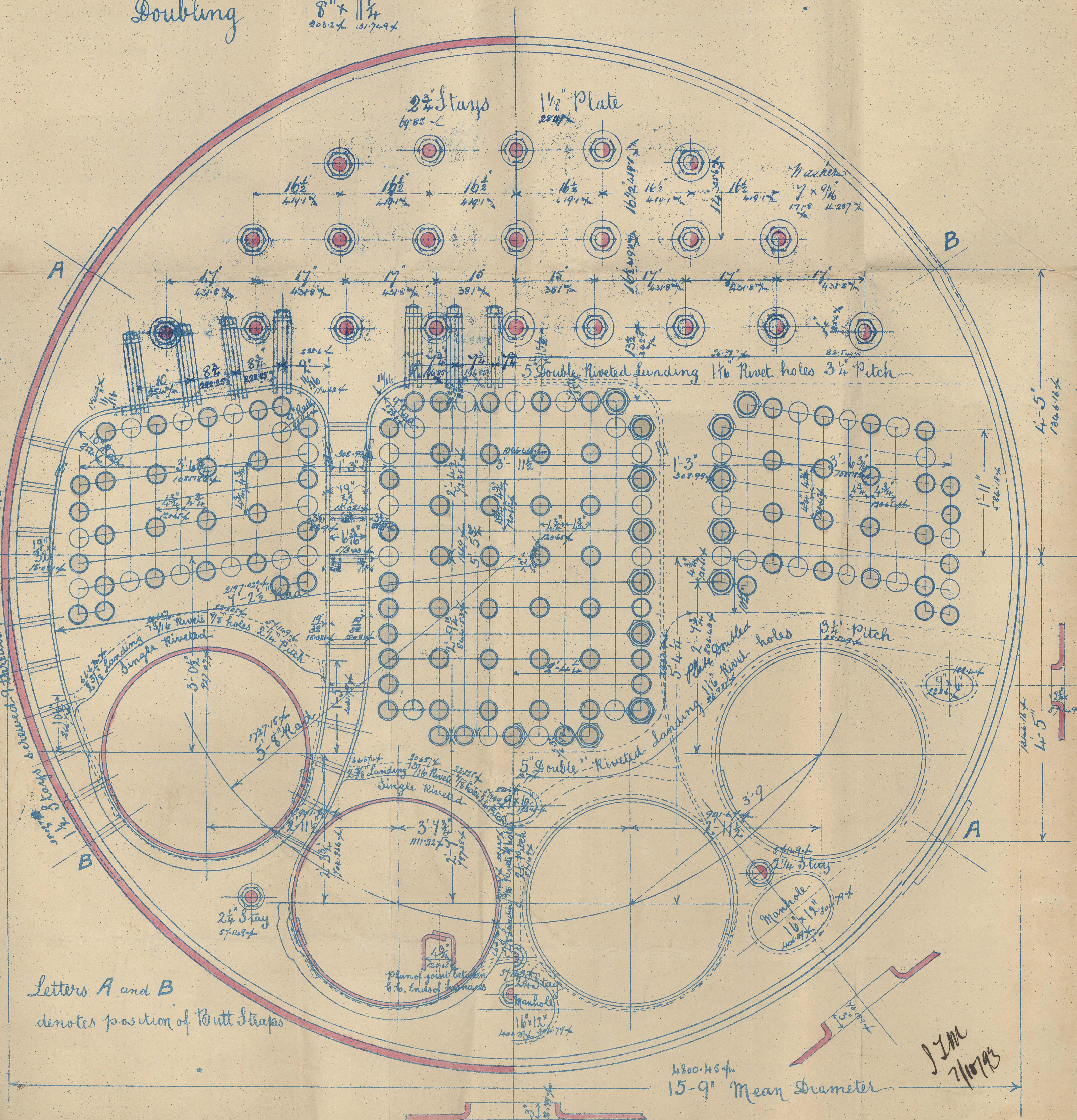
Tubes Iron

Manufactured by Messrs John Spencer and Sons

THE WALLSEND  
SLIPWAY & ENGINEERING CO. LTD.  
NEWCASTLE-UPON-TYNE  
No 2482 DATE Oct. 1903

Plan of Shell Riveting  
Strength of Joint  
Plate 84.5% Lloyd's  
Rivet 84.5% Lloyd's

Shell Hydraulic Riveted throughout  
All holes drilled in plates after bending  
Shell Plates 1 1/2" thick stiff Butt Straps 1" thick  
Rivet holes 1 1/8" dia x 8 1/2" pitch  
End Circumferential Seams double Riveted  
Rivet holes 1 1/8" dia x 3 3/4" pitch  
Centre Circumferential Seams treble Riveted  
Rivet holes 1 1/8" + 3 3/4" pitch



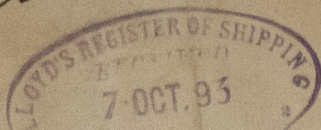
MS. 6.10.93

RECEIVED  
OCT 30 1903



Jr. Drakon & Co  
Nos 60  
Cdn 405

Amended tracing

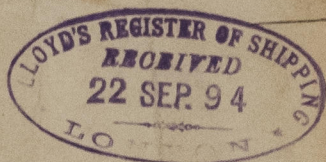


"Port Elliot"

Lloyds List  
No. 4234  
320 lb  
11/1/94 T.P.H.

have. report

N 29916



NW835-0141



© 2021

Lloyd's Register  
Foundation