

28.800

# BOILER. CONTRACT N° 531.

MESSRS THE NORTHUMBERLAND SHIPBUILDING CO SS N° 90.

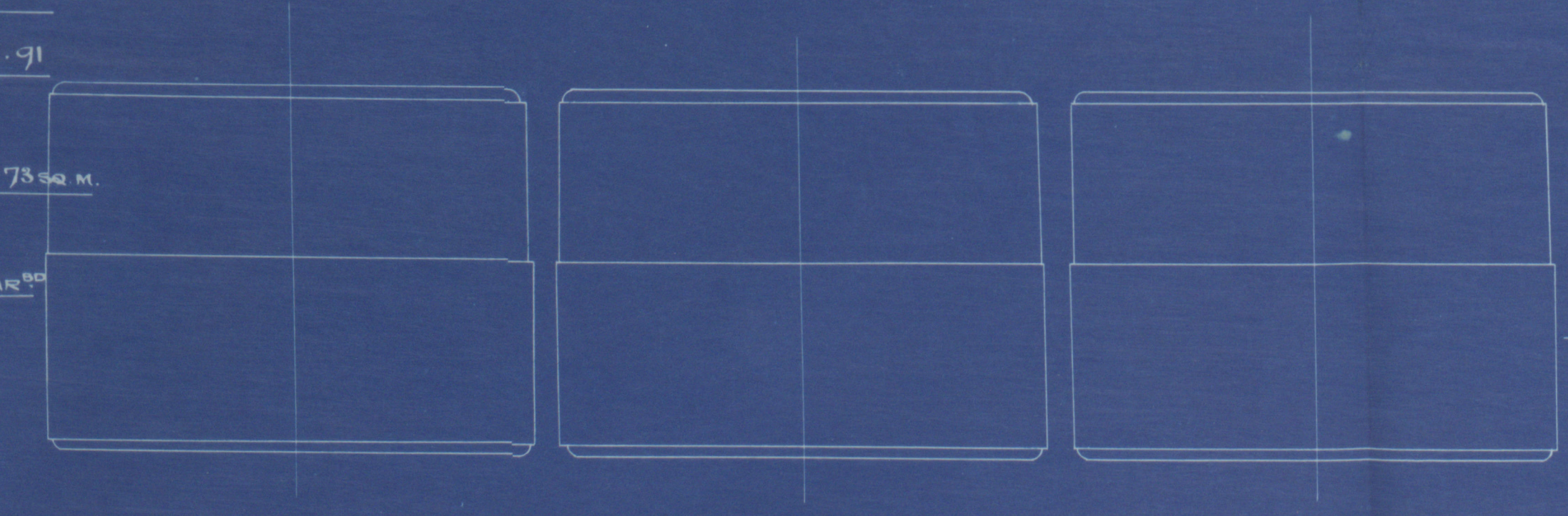
TO BE CONSTRUCTED TO PASS LLOYD'S AND HAMBURG LAW REQUIREMENTS

3, OFF THIS

SCALE 1" = 1 FT.

AUG 18<sup>TH</sup> 1900.

HEATING SURFACE SQR FT.		
TUBES	1578	145.1
FURNACES	160	14.73
COMBUSTION CHAMBERS	192	17.65
TUBE PLATES	70	6.44
1, BOILER	2000	183.71
TOTAL 3 BOILERS	6000 SQR FT	551.73 SQR M.
WORKING PRESSURE	15.655 KILOS.	180 LBS PER SQR INCH
TEST	360 " " " "	25.5 KILOS.



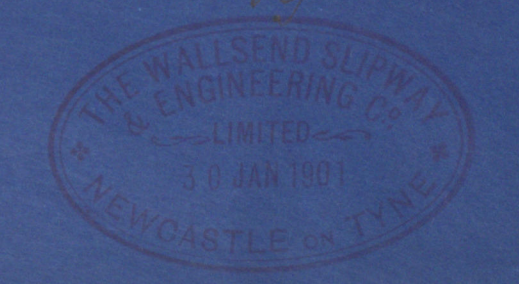
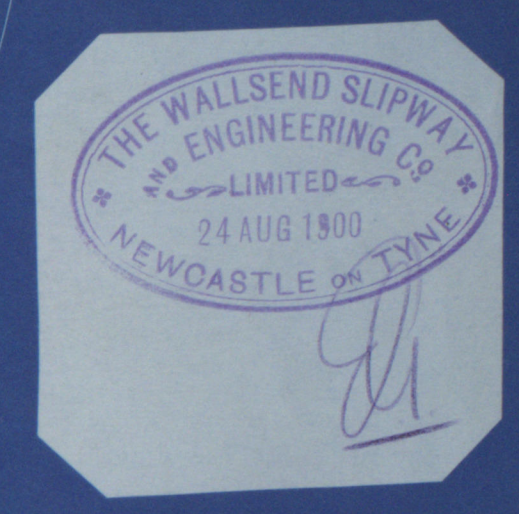
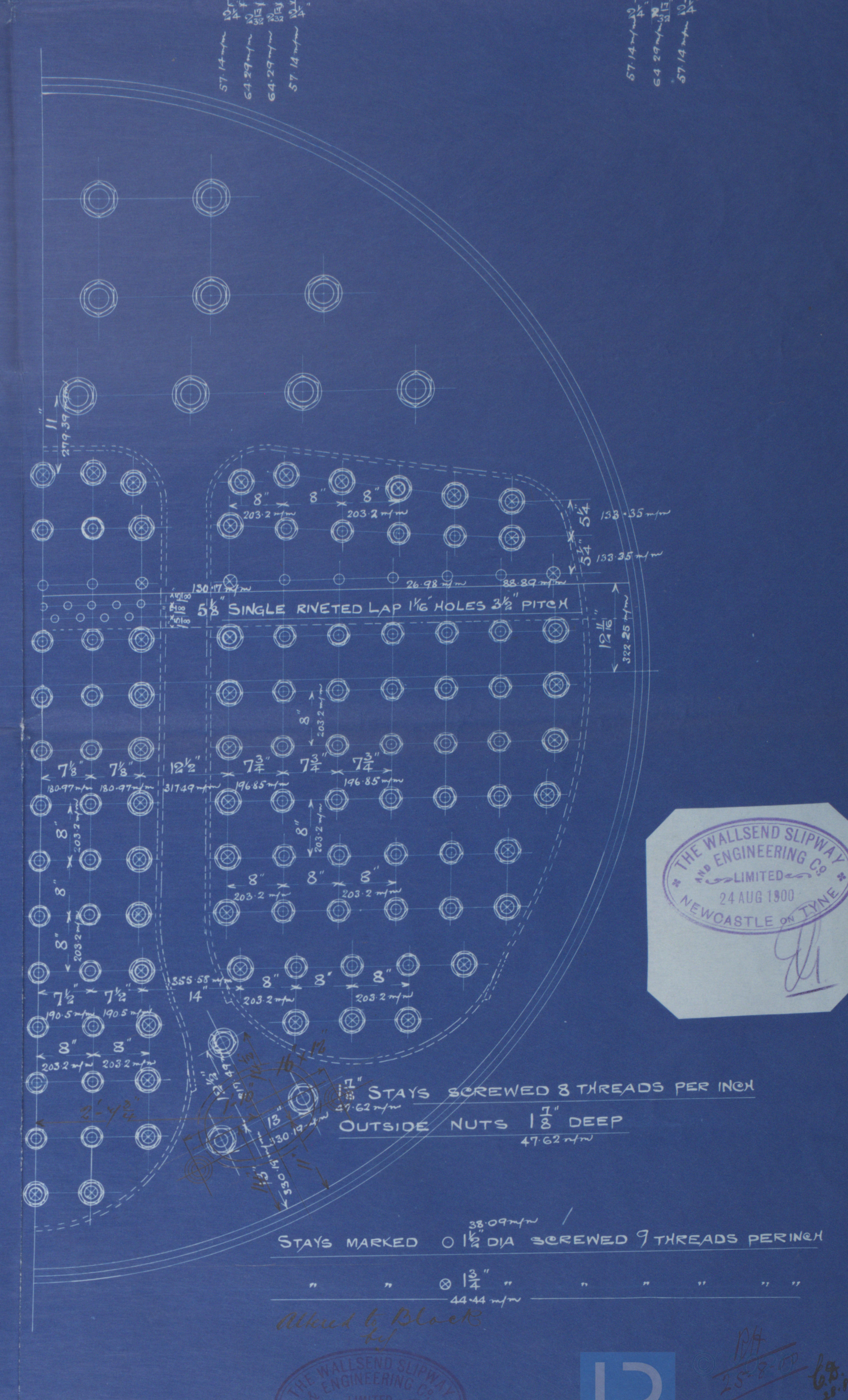
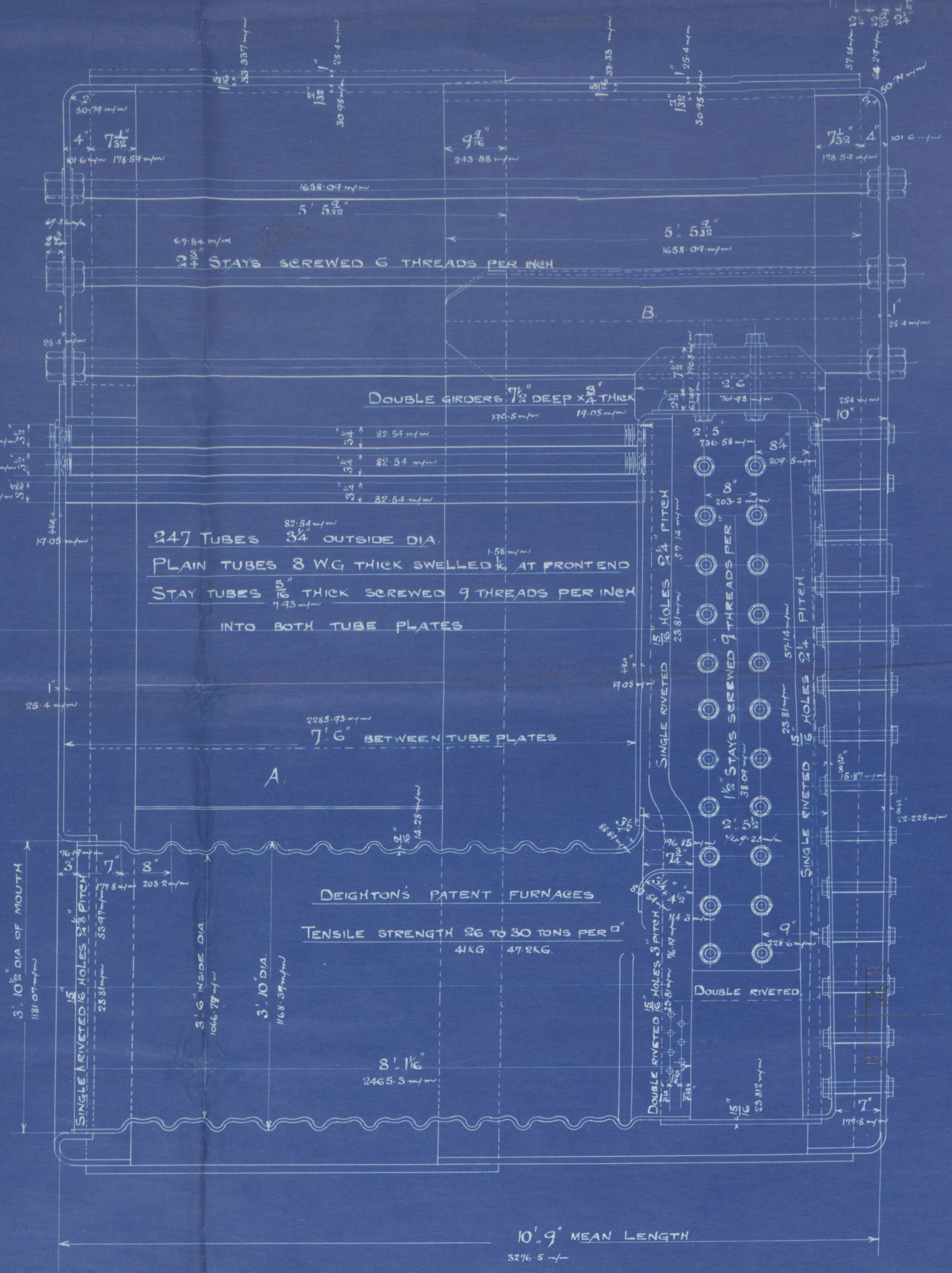
FRONT OF BOILERS.

PLATES MANUFACTURED BY.	
PLATES	STEEL
RIVETS	"
STAYS	"
TUBES	IRON

PLAN OF SHELL RIVETING  
STRENGTH OF JOINT  
PLATE = 85.1 %  
RIVET = 92.5 %

MINIMUM TENSILE STRENGTH OF  
SHELL PLATES 29 TONS PER SQR INCH  
45.5 KG  
MAXIMUM TENSILE STRENGTH 38 TONS PER SQR INCH  
50.5 KG

SHELL HYDRAULIC RIVETED WHERE  
PRACTICABLE. ALL HOLES DRILLED  
IN PLACE AFTER BENDING SHELL  
PLATES 1 1/2" THICK. RIVET HOLES  
1 1/2" DIA x 9/16" PITCH CENTRE  
CIRCUMFERENTIAL SEAMS TREBLE  
RIVETED RIVET HOLES 1 1/2" DIA x 4 1/2" PITCH  
PITCH END SEAMS DOUBLE RIVETED  
RIVET HOLES 1 1/2" DIA x 4 1/2" PITCH  
INSIDE BUTT STRAPS 1 1/2" THICK  
OUTSIDE " " 1"





Newcastle-on-Tyne.

Wallace Shipway &  
N<sup>o</sup> 531

Northumberland SBC s/s N<sup>o</sup> 90

WP 180<sup>th</sup>

3 SE

29-32 Steel



6082  
31-5-01

N 6082  
LLOYDS Test  
360<sup>th</sup>  
31-5-01 R. H.

J. J. Whitgift

Newcastle Docks

N<sup>o</sup> 42278

W715-0041

RETAIN



© 2020

Lloyd's Register  
Foundation