

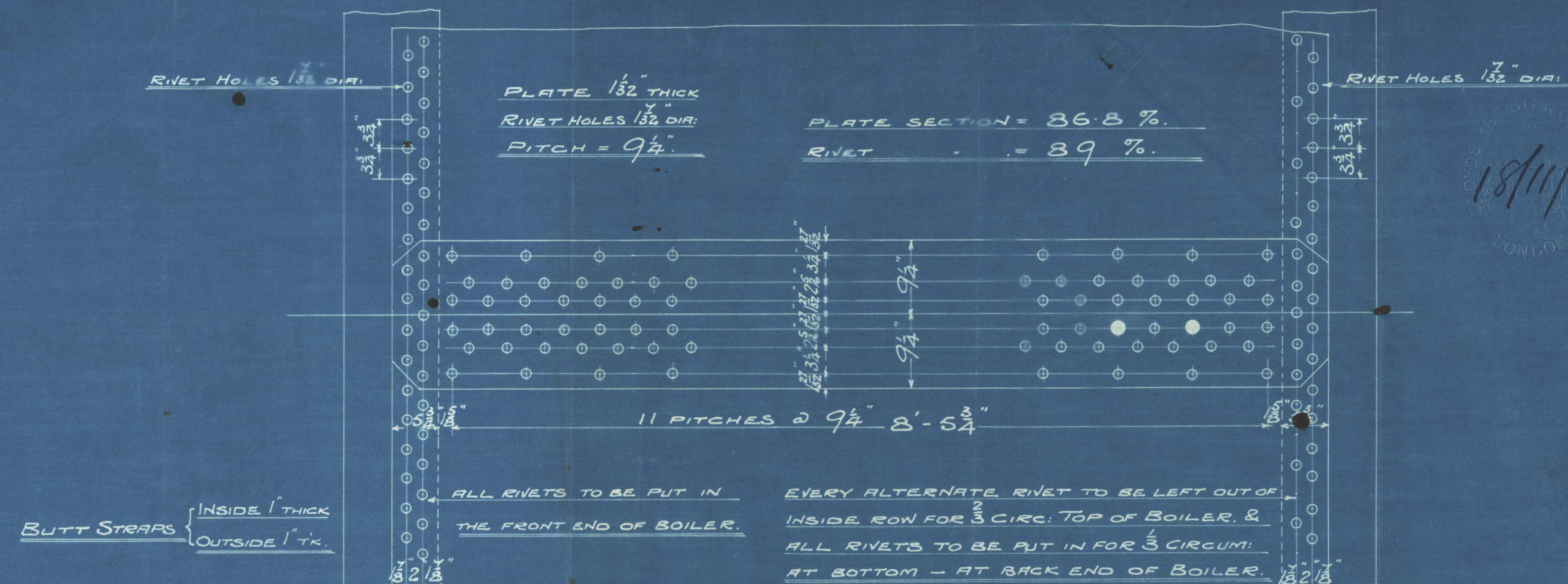
# SUNDERLAND ENGINE WORKS

## BOILER.

SCALE - 1 INCH TO A FOOT.

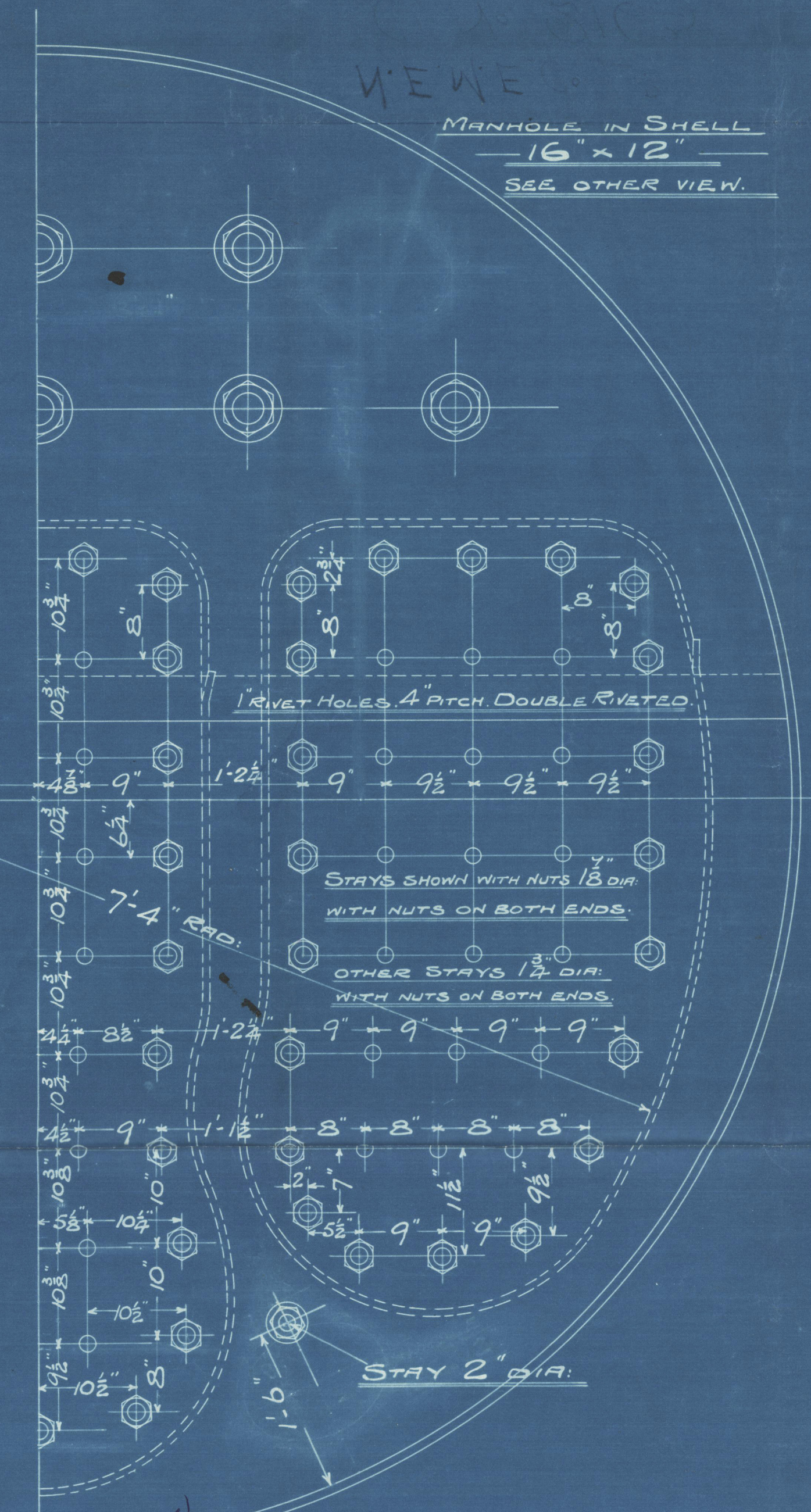
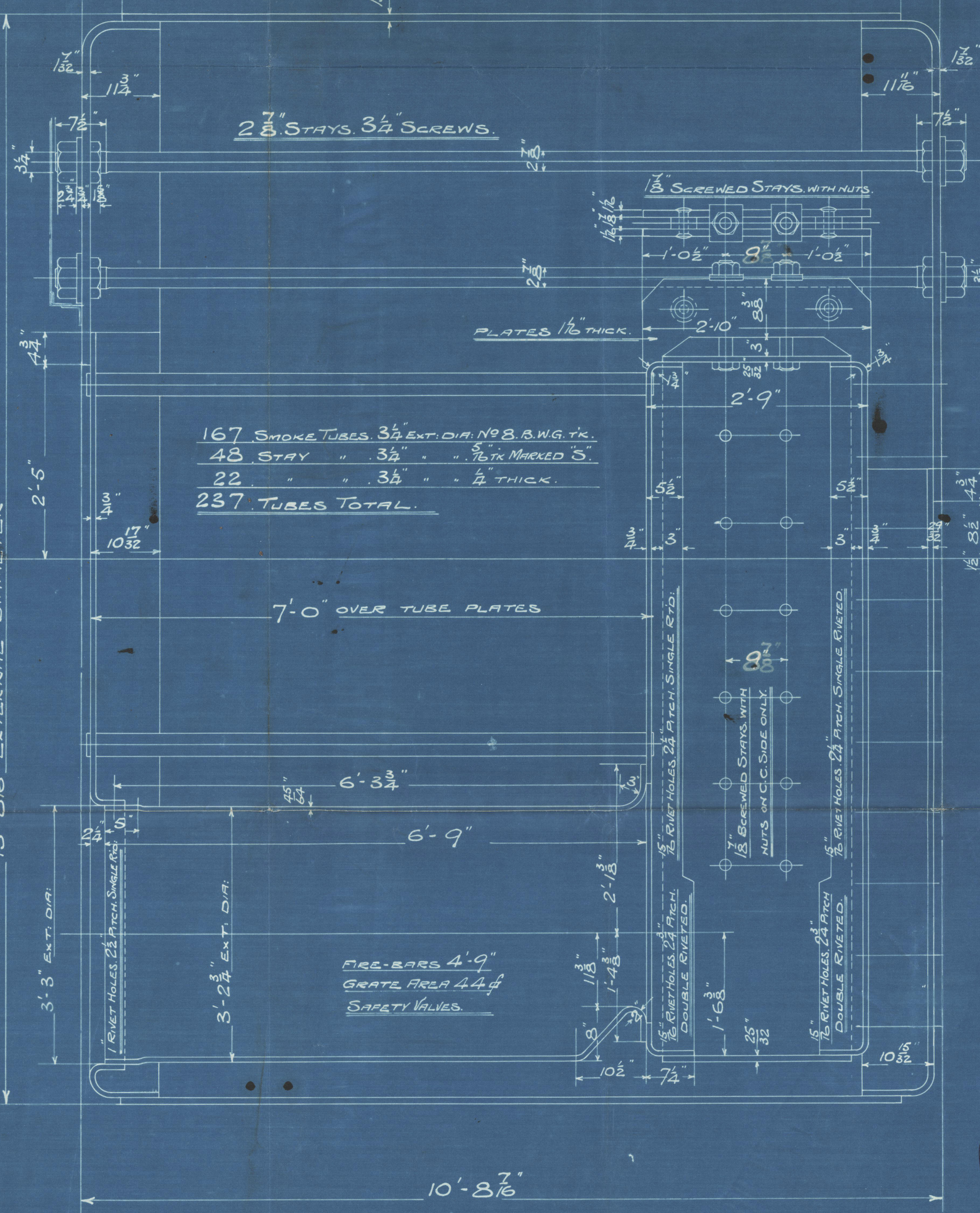
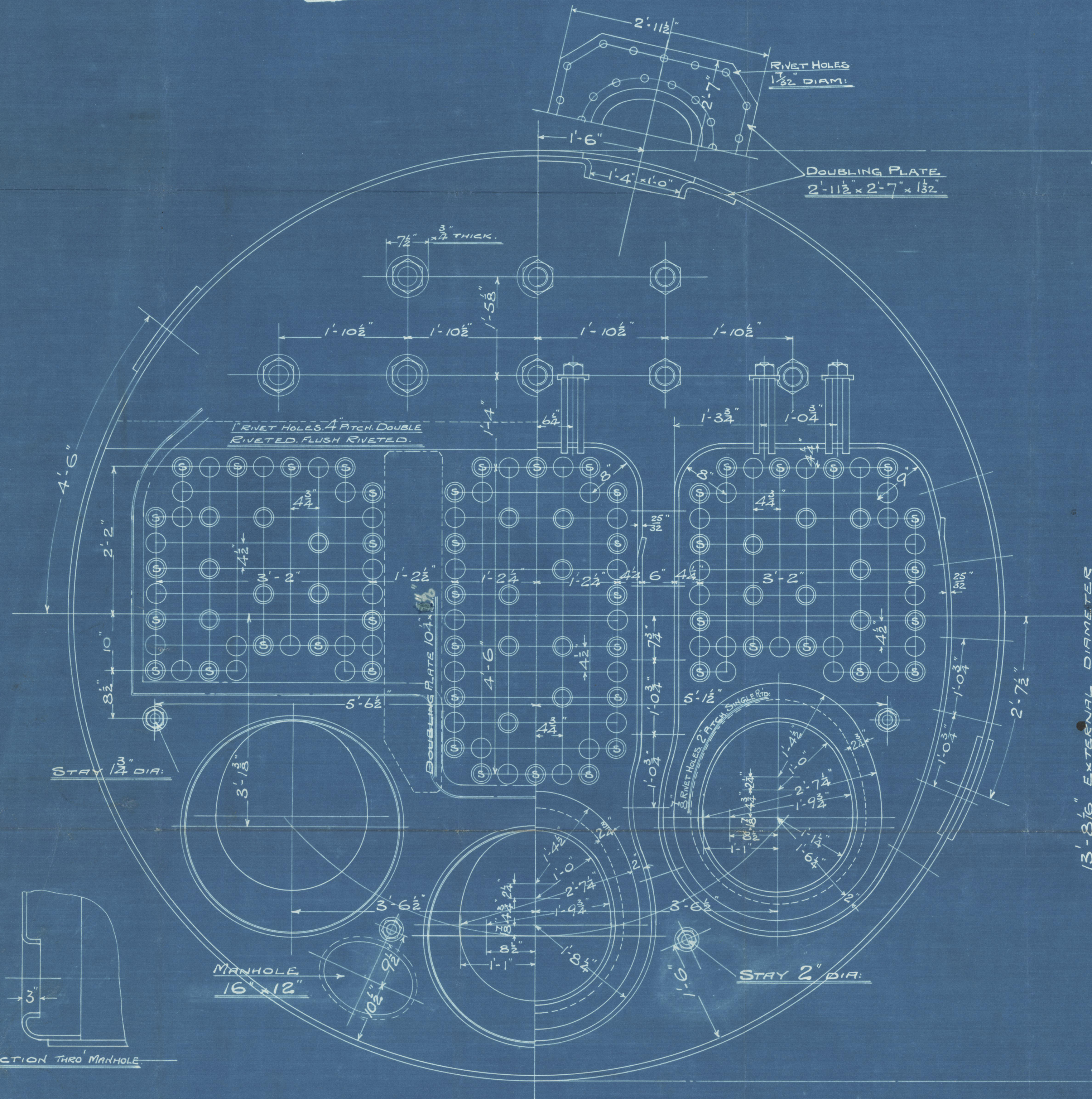
SCHEDULE "L"

WRITTEN DIMENSIONS ONLY TO BE TAKEN.



TO PASS LLOYD'S SURVEY.

SHELL - 22.58 (15.8" x 2) 25.5	175.5 LBS PER P.
WORKING PRESSURE = 175	" " "
TEST " = 350	" " "
HEATING SURFACE ON TUBES 1410 SQ. FEET.	" " "
" " OTHER PARTS 370	" " "
TOTAL 1780	" " "
EX. FRONT TUBE PLATE 1745	" " "
EFFECTIVE AREA OF STAYS.	" " "
3 $\frac{1}{2}$ " STAY TUBES 16 TKS 9 THREADS PER INCH 2.17 SQ. INS.	" " "
3 $\frac{1}{2}$ " " " 9 " " " 1.64 " " "	" " "
2 $\frac{1}{2}$ " MAIN STAYS 6 " " " 6.5 " " "	" " "
2 " " 6 " " " 2.51 " " "	" " "
1 $\frac{1}{2}$ " " 6 " " " 1.85 " " "	" " "
1 $\frac{1}{2}$ " SCREWED " 11 " " " 2.43 " " "	" " "
1 $\frac{1}{2}$ " " " 11 " " " 2.1 " " "	" " "
ALL PLATES, RIVETS & STAYS - STEEL -	" " "
TUBES - WROUGHT IRON -	" " "
HOLES TO BE DRILLED IN PLACE AFTER BENDING.	" " "
TENSILE STRENGTH OF SHELL PLATES NOT LESS THAN 28 $\frac{3}{4}$ TONS.	" " "
" " GIRDER " " " 28	" " "
" " MAIN STAYS " " " 28	" " "



CONTRACT 2163. 1 OFF.

DRAWING No 4621.



N.E.M.E.C. L<sup>d</sup>

CT No. 2163

MAIN BOILERS 1 OFF

No 3191  
LLOYD'S TEST.  
350 LBS  
W-2-111 WB

Screw Lug Hullman  
of Hull



HEPPLE & C<sup>o</sup>. S. SHIELDS.

No 636  $\frac{5}{8}$

Sla Rpt. 26109

S.T. HULLMAN  
NEWCASTLE-ON-TYNE.

Report no 66128

86199



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Lloyd's Register  
Foundation

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