

MAIN BOILERS

NORTHUMBERLAND ENGINE WORKS

BOILER

TRACING NO 606

SCALE 1 INCH = 1 FOOT

% STRENGTH OF PLATE = 86.0

% STRENGTH OF RIVETS = 86.1

SHELL (LLOYDS) 225B (18-2) x 86 = 187.1 LBS.

APPROVED BY BRITISH CORPORATION 27.3.17.

" " BUREAU VERITAS 28.3.17.

" " LLOYDS 30.3.17

MANHOLE 16" x 12" AT BACK

BUTT STRAPS

OUTSIDE 3"

INSIDE 1 1/2"

13 PITCHES OF 8 1/2" = 9' 2 1/2"

1 1/2" PLATE 1 1/2" RIVET HOLES 8 1/2" PITCH

14' 0" EXT. DIA.

6' 0"

7' 6 1/2" OVERALL

GRATE 5' 3" LONG 5' 7" W

DEIGHTON FURNACES

10' 7 1/2"

11' 8 1/2" TOTAL LENGTH

LLOYDS SURVEY

HEATING SURFACE ON TUBES BETWEEN T PLATES = 1710 sq

" " ELSEWHERE INCLUDING T PLATES = 430 sq

TOTAL = 2140 sq

STEAM SPACE = CUB FT.

WORKING PRESSURE 180 LBS. Q.

TEST = 360

NOTE:- ALL PLATES, STAYS ETC TO BE OF STEEL. SMOKE TUBES OF IRON

TENSILE STRENGTH OF SHELL PLATING TO BE FROM 28 1/2 TO 33 TONS Q.

ALL HOLES DRILLED IN PLACE AFTER PLATES ARE BENT

CONTRACTS.

2312

2020

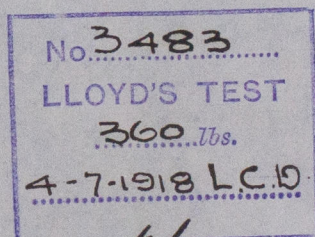
STAYS MARKED THUS O 1 1/2" DIA. 8 THREADS
2 1/2" DIA. (TO SUIT STAYS)

ALL SCREWED STAYS SCREWED INTO PLATE & FITTED WITH NUTS

2 THUS (STAR & CENTRE) } FOR EACH CONTRACT
1 TO OFF HAND (PORT)

DRAWING 6011

N. E. Morine
Boilers 2312
for
R. Thompsons 3060.
pressure 180 lbs
Sunderland 2/10/17
Duplicate of 2329



War Tempest

SUNDERLAND RPT. No. 27338

RETAIN

W's 89-0152



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