

21/7/08

BOILER ORDER N° 221B

MESSRS. SWAN, HUNTER, & WIGHAM RICHARDSON & CO. LTD. S.S. N° 831

TO BE CONSTRUCTED TO LLOYDS & HAMBURG LAW REQUIREMENTS

SCALE 1" = ONE FOOT.

HEATING SURFACE	SQ. FT.	SQ. METRES
TUBES	873	81.1
FURNACES	84	7.8
COMBUSTION CHAMBERS	120	11.14
TUBE PLATES	35	3.2
TOTAL	1112	103.24 SQ. METRES

ONE OFF THIS.

WORKING PRESSURE	100 LBS. PER SQ. INCH
TEST	200

Material	
Plates	Steel
Stays	"
Rivets	"
Tubes	Iron

Span Gear

PLAN OF SHELL RIVETING.

STRENGTH OF JOINT.

PLATE	77.8%
RIVET	95% LLOYDS
"	81.7% HAM. LAW.

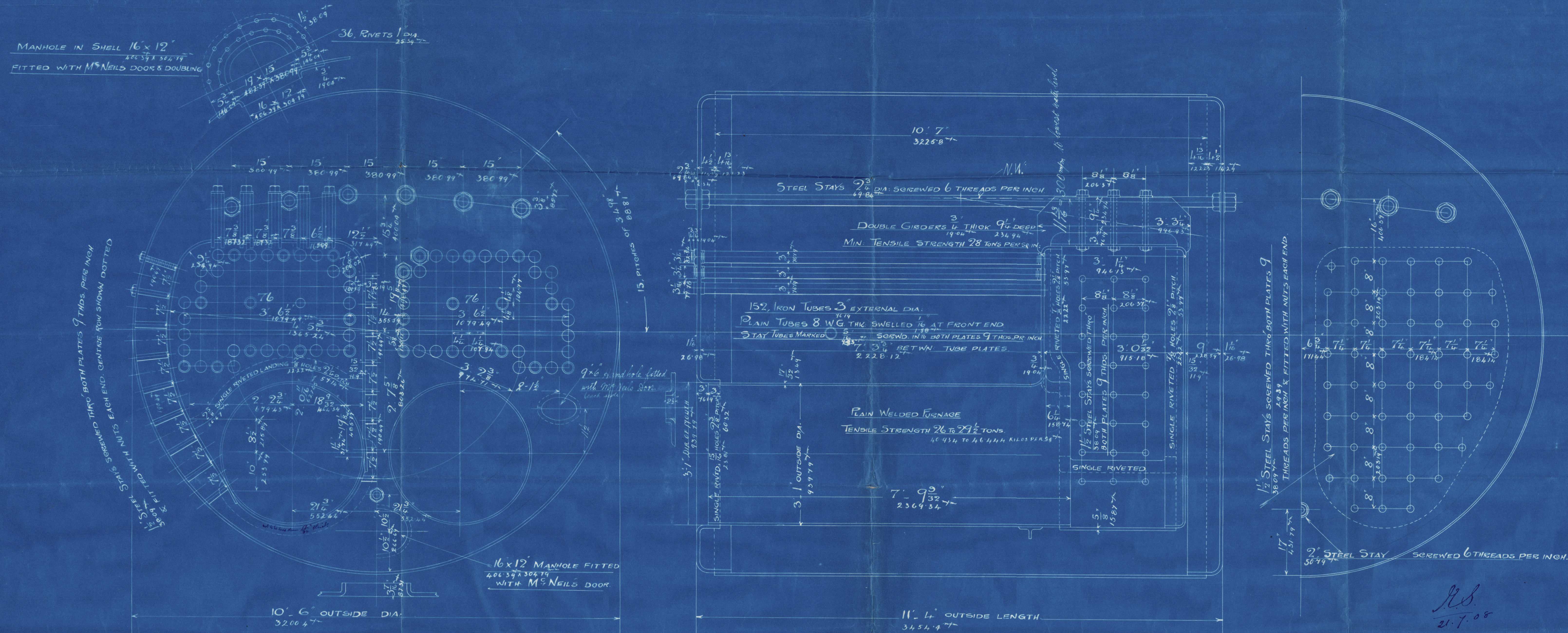
TENSILE STRENGTH OF SHELL PLATES 29 TO 33 TONS PER SQ. INCH.
INTERNAL & FLANGING 26 TO 29.85 TONS

SHELL HYDRAULIC RIVETED WHERE PRACTICABLE.

ALL HOLES DRILLED IN PLACE AFTER BENDING.

SHELL PLATES 8 THICK. RIVET HOLES 1" DIA. X 1 1/2" PITCH.

CIRCUMFERENTIAL SEAMS. DOUBLE RIVETED. HOLES 1" DIA. X 3 1/2" PITCH.
112 PITCHES IN CIRCUMFERENCE.



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Swan Hunter & Co

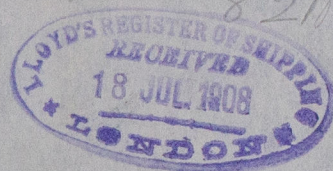
N° 831.

Wallsend Shipyard

N° 664

100/10

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8211



7793

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30/12/08 244

SS. PATELLA

Newcastle-on-Tyne

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