

2:4:06

DIMENSIONS.

LENGTH OF FIRE BARS	
AREA OF FIRE GRATE	
DIAM OF TUBES OUTSIDE	2 1/4
LENGTH OF TUBES	Over Plates 6-4
Nº OF TUBES	162
SURFACE OF TUBES	870
TOTAL HEATING SURFACE	1095
WORKING PRESSURE	180
DIAM OF SAFETY VALVE	

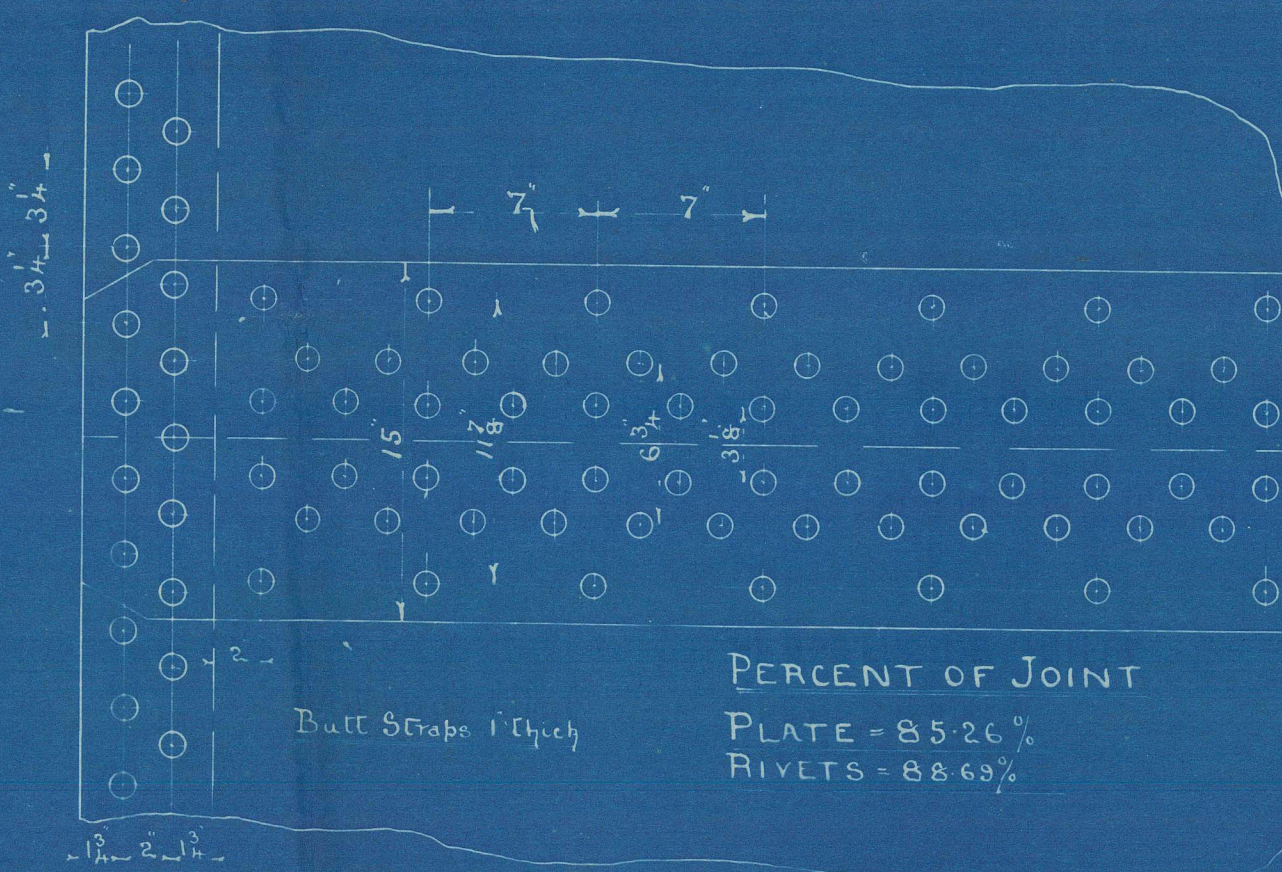
PARTICULARS OF RIVETING

SHELL:- Longitudinal joint to be riveted double Butt joint. Holes drilled 1 1/2 dia 7 Pitch.
Circumferential Seams to be double riveted Lap joints. Holes drilled 1 1/2 dia 3 1/4 Pitch.

FURNACES:- Front & Back Ends to be single riveted.

COMB^d CHAMBERS:- Bottom & Sides to level of Furnace Tops to be double riveted, rest to be single riveted.

END PLATES:- Cross Seams to be double riveted.



PERCENT OF JOINT

PLATE = 85.26%
RIVETS = 88.69%

MANHOLE IN SHELL 16 x 12
lined inside with 1" Plate 7" Broad.

GIRDER STAYS:- Double iron 5" thick 8" deep 8" Pitch fitted with 3" coupling bolts 1 1/2" dia 2.07 6 1/2" Area 8 1/2" Pitch.

Lining PLATE:- To be fitted between Tube Nests.

COMB^d CHAMBERS:- To be fitted with Stays 1 1/2" dia 1 1/8 6 1/2" Dia 2.07 6 1/2" Area.

ALL SCREWED STAYS
To be screwed into both plates & fitted with nuts at both Ends.

STEEL STAYS 2 1/2" dia 578 6 1/2" Area secured to both plates. Front ends 3/8" fitted with 3/8" Nuts. Back ends fitted with 2 1/2" Inside Nuts 1 1/2" thick Washers 8" dia 1/2" thick.

SHELL PLATES 29 TONS TENSILE

6-4 Over Plates

92 PLAIN TUBES 3 1/4" Out dia 10" BWG welded at front end.

70 STAY TUBES 5 1/2" thick in body screwed at ends to 3 1/2" 3/8" dia 1/2" 6 1/2" thick.

HOLMES WITHDRAWABLE FURNACES

STAYS:- marked to be between Corners Chambers at Centre.

STAYS:- marked to be between Comb^d Chambers & Shell.

13 STEEL STAYS
1 1/2" 6 1/2" dia 2.07 6 1/2" Area.

STAYS:- marked thus to be 1 1/2" dia.

TO PASS LLOYDS

12-0" OUT DIA^s X 10-0" LONG
180 LBS W.P.

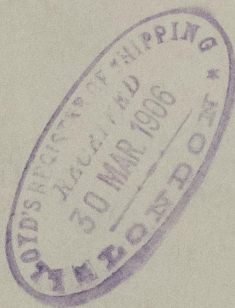
10-0" TOTAL LENGTH

BOILER Nº 810

CHARLES D HOLMES & CO
ENGINEERS & BOILER MAKERS
HULL

W83-1038

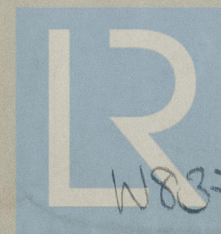
Boiler, No 810
Messrs
C. D. Holmes & Co



180 *bls*

s/s "Manx Zuccu"
Null Report No. 18457.

RETAIN



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