

DIMENSIONS.

LENGTH OF FIRE BARS
 AREA OF FIRE CRATE
 DIAM. OF TUBES OUTSIDE $3\frac{1}{4}$
 LENGTH OF TUBES $6'-5\frac{1}{2}"$
 NO OF TUBES 168
 SURFACE OF TUBES 900 sq. FE.
 TOTAL HEATING SURFACE 1120
 WORKING PRESSURE 200 LBS.
 DIAM. OF SAFETY VALVE

PARTICULARS OF RIVETTING

SHELL: LONGITUDINAL SEAM TRIPLE RIVETTED DOUBLE BUTT STRAP

HOLES DRILLED $1\frac{1}{2}$ DIA. $2\frac{3}{4}$ PITCH

CIRCUMFERENTIAL SEAMS TO BE DOUBLE RIVETTED LAP JOINTS

HOLES DRILLED $1\frac{1}{2}$ DIA. $3\frac{1}{4}$ PITCH

FURNACES: FRONT ENDS TO BE DOUBLE RIVETTED, BACK ENDS SINGLE RIVETTED TO TUBE
 PLATE AND TO BE DOUBLE RIVETTED TO COMBUSTION CHAMBER SIDES AND BOTTOM
 COMB. CHAM. TO BE DOUBLE RIVETTED ALONG BOTTOM AND UP SIDES TO LEVEL OF

FURNACE TOPS REMAINDER TO BE SINGLE RIVETTED

END PLATES: CROSS SEAMS TO BE DOUBLE RIVETTED

MANHOLE IN SHELL 16×12

LINED INSIDE WITH $1\frac{1}{2}$ PLATE 7" BROAD

DOUBLE WIDER STAYS OF
 IRON 9" DEEP $\frac{3}{8}$ THICK WITH
 2 STEEL SUPPORTING BOLTS $1\frac{1}{2}$
 DIA 2.07 EFFV AREA

DOG STAYS FITTED
 BETWEEN NESTS ON FRONT
 TUBE PLATE

COMBUSTION CHAMBER STEEL
 STAYS $1\frac{1}{2}$ DIA FOR EFFV DIA
 8.07 EFFV AREA SCREWED
 INTO BOTH PLATES AND FITTED
 WITH NUTS AT EACH END

PERCENTAGE OF JOINT

BUTT STRAP $1\frac{1}{2}$ THICK

PLATE 85.1%

RIVETS 87.5%

86.5

SHELL PLATES 29 TONS TENSILE

6'-5 $\frac{1}{2}$ " OVER PLATES

96 PLAIN TUBES $3\frac{1}{4}$ OUT DIA. NO 9 BWG SWELLED $\frac{1}{2}$ AT FRONT END

72 STAY TUBES $\frac{7}{8}$ THICK IN BODY SCREWED AT ENDS TO $3\frac{1}{4}$ AND $3\frac{1}{2}$ DIA

$\frac{1}{2}$ EFFV THICKNESS

6'-4 $\frac{1}{2}$ "

HOLMES PATENT FURNACES

LONGITUDINAL JOINT WELDED

8'-11 $\frac{1}{2}$ " IRON STAY

STAYS MARKED
 THIS TO BE
 BETWEEN COMBUSTION
 CHAMBERS AT CENTRE

STAYS MARKED
 THIS TO BE
 BETWEEN COMBUSTION
 CHAMBERS SIDES
 AND SHELL

STEEL STAYS $1\frac{1}{2}$ DIA. 1.63 EFFV DIA

2.07 EFFV AREA

STAYS MARKED THIS TO BE $\frac{1}{2}$

AND STAYS TO BE SCREWED

INTO BOTH PLATES AND FITTED

WITH NUTS AT EACH END

8" IRON STAY

2.07 EFFV DIA

4.36 EFFV AREA

2" LINING PLATE

STEEL BOILER NO 743

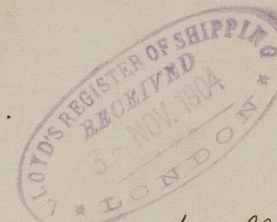
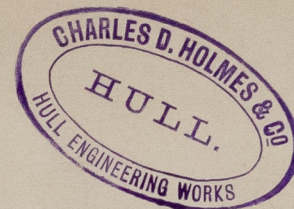
CHARLES D. HOLMES & CO
 ENGINEERS & BOILER MAKERS
 HULL 14-10-04

1-11-04
 743
 Amended Copy
 2-11-04

LLOYD'S REGISTER
 OF SHIPPING
 2- NOV-1904
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4-11-04

Boiler n° 743



Se. K. Nautilus

Hull Report n° 16118



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Foundation

W1542-0142