

# MAIN BOILERS. ENGINES Nº 472. X.

15:6" MEAN DIA. x 10:6" MEAN LENGTH.

TO PASS LLOYD'S REQUIREMENTS FOR 180 LBS. WORKING PRESSURE.

SCALE 1" = 1 FOOT.

21<sup>ST</sup> SEPT. 1918.

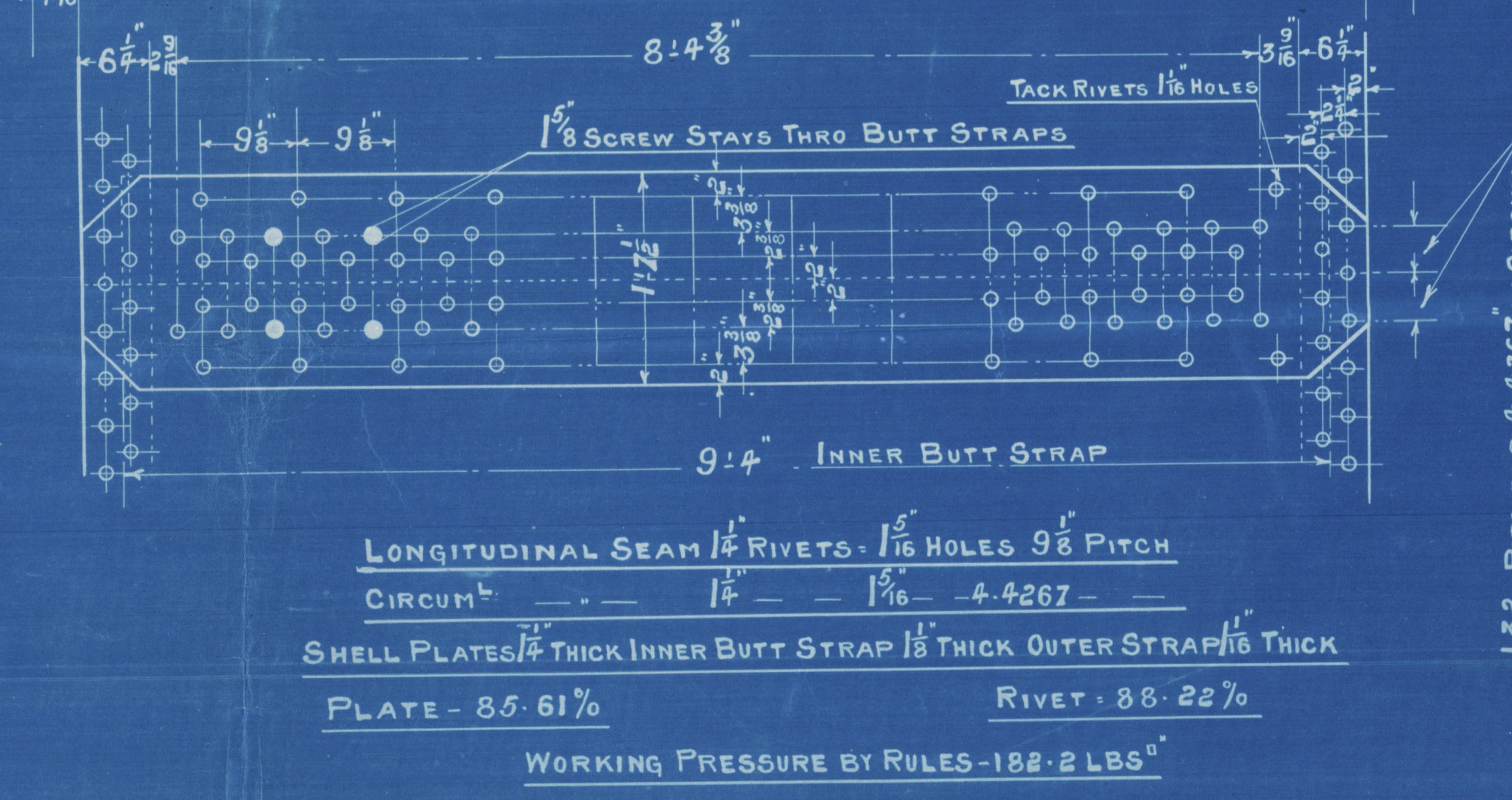
DRC. Nº 35899.  
W 583-0151

ALL PLATES - SCR STAYS & RIVETS OF SIEMENS MARTIN STEEL
TUBES & SOLID LONG STAYS OF IRON
LONG SEAMS TREBLE RIVETED WITH DOUBLE BUTT STRAPS.
CIRCUM SEAMS DOUBLE RIVETED LAP JOINT
WORKING PRESSURE - 180 LBS.
TEST " - 360 LBS.
ALL HOLES DRILLED IN PLACE THEN PLATES TAKEN APART AND BURRS REMOVED
HYDRAULIC RIVETING WHERE PRACTICABLE

THICKNESSES	
SHELL PLATES	1 1/4"
INNER BUTT STRAPS	1 1/8"
OUTER " "	1 1/16"
TOP END PLATES	1 3/32"
BACK - BOTTOM	1 1/16"
FRONT TUBE PLATE	3/4"
BACK " "	3/8"
C.C. BACK - CENTRE	2 1/32"
" - WINGS	2 1/32"
C.C. TOP AND SIDES	2 1/32"
C.C. BOTTOM	3/4"
C.G. GIRDERS	3 1/4"
FURNACES	3 1/4"
MANHOLE COMP. RING	1 1/4"

TENSILE STRENGTH	
SHELL PLATES 28-32 TONS	"
MANHOLE COMP. RING - " "	"
BUTT STRAPS - " "	"
GIRDER PLATES - " "	"
ALL OTHER PLATES 26-30 TONS	"
FURNACES - " "	"
SCREWED STAYS - " "	"
RIVET BARS - " "	"
SOLID LONG STAYS - IRON Nº LLOYD'S TEST	"

HEATING AND GRATE SURFACE	
HEATING SURFACE IN 310 TUBES	1824.5
" " C CHAMBERS	282.5
" " FURNACES	146.5
TOTAL H.S. IN ONE BOILER	2253.5
" H.S. " " 2 BOILERS	4506.5
GRATE SURFACE IN ONE BOILER	61.87
" " 2 BOILERS	123.75
RATIO - G.S. H.S. - 1 : 36.41	
FIREBARS - 5'6" LONG IN 2 LENGTHS	
2 - 3" DIA. SAFETY VALVES - EACH BOILER	



Kincaid, No 472.X.

180 lbs

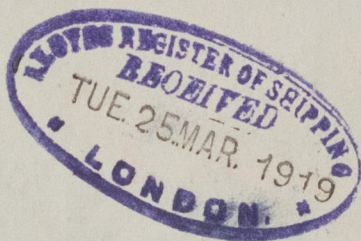
One Bridle for Chick Thompson

Notes

The Steel Test Advice notes  
will be sent along with Kincaid's  
Engineering Review No 472

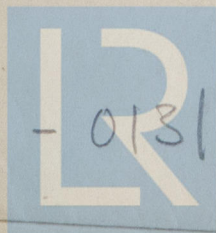
J. L. Moore

Enk. Rpt. No. 17426.



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