

BOILER

TRACING 934 SCALE: 1 INCH TO A FOOT SCHEDULE L



RIVET HOLES 1" DIA.

PLATE $\frac{1}{8}$ " THICK.
RIVET HOLES, 1" DIA:
PITCH = $\frac{1}{2}$ "

PLATE SECTION = 86.66%

RIVET " = 89%

NET HOLES 1" DIA:

BUTT STRAPS { INSIDE $\frac{7}{8}$ " TH
OUTSIDE $\frac{7}{8}$ " TH

ALL RIVETS TO BE PUT
IN FRONT END OF BOILER

EVERY ALTERNATE RIVET TO BE LEFT
OUT INSIDE ROW FOR $\frac{2}{3}$ CIRCUMF. TOP OF
BOILER & ALL RIVETS TO BE PUT IN $\frac{1}{3}$ CIRC.
BOTTOM - AT BACK END OF BOILER.

LLOYD'S & DANISH LAW.		
LLOYD'S = $2250 \times (1/4 - 2) \times 86.66$	130.25	= 180 LBS PER
WORKING PRESSURE	=	180 " "
TEST	=	360 " "
HEATING SURFACE ON TUBES		816 SQ. FT.
" " OTHER PARTS		836 " "
" " TOTAL		1052 " "
EX: FRONT TUBE PLATE		1032 " "
EFFECTIVE AREA OF STAYS.		
$3\frac{3}{4}$ STAY TUBES $\frac{5}{16}$ IN. 9 THREDS PER IN.		2.17 SQ. IN.
$3\frac{3}{4}$ " " $\frac{1}{4}$ " 9 " " "		1.64 " "
$2\frac{3}{4}$ MAIN STAYS. 6 " " "		5.05 " "
$2\frac{1}{4}$ " " 6 " " "		3.26 " "
2 " " 6 " " "		2.51 " "
2" SCREWED 11 " " "		2.79 " "
$1\frac{1}{8}$ " " 11 " " "		2.43 " "
$1\frac{1}{8}$ " " 11 " " "		2.79 " "
PLATES, RNETS & STAYS. STEEL.		
TUBES - WROUGHT IRON		
HOLES TO BE DRILLED IN PLACE AFTER BENDING.		
TENSILE STRENGTH OF STEEL PLATES NOT LESS THAN 22,000		
" " " MAIN STAYS " " "		24

MANHOLE 1'-4" x 1'-0"
"DOUBLING 2'-6" x 2'-2" x $\frac{1}{8}$ "

1" RIVET HOLES 4" PITCH DOUBLE RIVETED

1/1 STAYS SHOWN WITH NUTS 2" DIA
WITH NUTS ON BOTH ENDS.

OTHER STAYS $1\frac{1}{8}$ " DIA:
WITH NUTS ON BOTH ENDS.

Fig. 1

Fig. 2

1'-0"

1'-0"

1'-0"

1'-0"

1'-0" MIN.

100

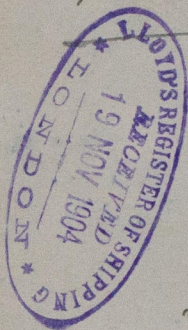
DRAWN BY J.A.S 17/11/00
CHECKED BY _____
TRACED BY AFC & F.N.C.
CHECKED BY J.A.S 17/11/00
TRACING No 934

CONTRACT 1603.2 OFF

Main Boilers
for
N. E. M. Eng. Co. Ltd's
No. 1603.

Sld. S. B. Co's
7/5 No 229

W. P. = 180 lbs



7/5 "Chr. Gylstorff"
Sld. F. E. No 22264.

RETAIN



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Lloyd's Register
Foundation

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