

<u>PARTICULARS</u>	<u>BOILER</u>	<u>3 BOILERS</u>
269 TUBES 3" EXT DIA @ 6'-38 1/2"	158 9'	476 7 1/2'
FIREBOXES	231'	693'
FURNACES	136'	408'
TOTAL HEATING SURFACE	1956'	5868'
GRATE AREA AT 3"-4" DIA.	55'	165'
WATER AREA	129'	387'
TRASH "	12 03'	36 09'
STEAM SPACE	353'	1059'
RATIO GRATE AREA TO HEATING SURFACE	1': 35' 5"	
" " " " TUBE "	1': 28 9"	
" " " " AREA	1': 2' 8"	
" " " " WATER	1': 2' 36"	
" " " " STEAM SPACE	1': 4' 08"	
% BOILER ABOVE FIREBOX	30%	
LENGTH OF FIREBOXES	5'-6"	
WEIGHT OF WATER	22 TONS	66 TONS

<u>PARTICULARS</u>	<u>BOILER</u>	<u>3 BOILERS</u>
269 TUBES 3" EXT DIA @ 6'-38 1/2"	1589 ft.	4767 ft.
FIREBOXES	231 "	693 ft.
FURNACES	136 "	408 ft.
TOTAL HEATING SURFACE	1956 ft.	5868 ft.
GRATE AREA AT 3"-4" DIA.	55 sq.	165 sq.
WATER AREA	12.09 sq.	36.09 sq.
TUBE " "	" "	" "
STEAM SPACE	353 cu.	1003 cu.
RATIO GRATE AREA TO HEATING SURFACE	1 : 35.5	" "
" " " " TUBE " "	1 : 28.9	" "
" " " " AREA	1 : 218	" "
" " " " WATER	1 : 2.34	" "
" " " " STEAM SPACE	1 : 4.08	" "
% BOILER ABOVE FIREBOX	30 %	" "
LENGTH OF FIREBOXES	5'-6"	" "
WEIGHT OF WATER	22 TONS	66 TONS

	LONG ² JOINT	BACK END SEAM	FRONT END SEAM
PITCH	8 $\frac{3}{4}$ "	3' 4 06"	3' 4 06"
DIA. ² OF HOLES	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "
% PLATE	85	65.1	65.1
% RIVET	<div> <div> LOYDS 96.8 </div> <div> S.E.D. 106.7 </div> </div>	<div> <div> LOYDS 44.4 </div> <div> S.E.D. 44.8 </div> </div>	<div> <div> LOYDS 44.4 </div> <div> S.E.D. 44.8 </div> </div>

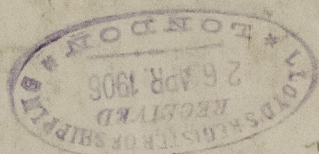
TO PASS LLOYDS AND HAMBURG BOARD OF POLICE SURVEYS
— SCALES 1" & 1/2" = ONE FOOT. —

STEEL STAYS IN FIREBOX TOP, SIDES & BACK
 $1\frac{1}{2}$ DIA. EFF. AREA = $1.49 \pi^2$
 OUTER ROW ON FIREBOX BACK $1\frac{3}{4}$ DIA.
 EFF. AREA = $2.01 \pi^2$. CORNER STAYS 2° DIA.
 EFF. AREA = $2.76 \pi^2$.
 NUTS FOR 2° STAYS $1\frac{1}{2}$ DEEP. FOR $1\frac{3}{4}$ & $1\frac{1}{2}$ "
 STAYS 1° DEEP.
 ALL STAYS SCREWED INTO BOTH PLATES AND
 NUTS AT BOTH ENDS EXCEPT WHERE OTHERWISE
 STATED.



Lloyd's Register
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D. Rowan & Co's
Nos. 453/4/5/8/9/60/61
S.S. "Strathdee"
Gls. rpt. No. 25289



J. J. Strathgarry & Co
Gls. Rpt. No. 25643.



Disc. 10/10/07



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