

OUTER BUTT STRAP $\frac{1}{8}$ THICK '
INNER " " " $\frac{1}{32}$ " '
TENSILE STRENGTH OF SHEEL PLATES 28 TO 32 TONS '
" " OTHER " 26 " 30 " '
ALL RIVET HOLES DRILLED IN PLACE '

HEATING SURFACE	sq. ft.
3 1/2 TUBES 8" LONG x 2 1/2" EXT. DIA.	163 1/2
3 FURNACES 4 1/2" MEAN DIA. 8" LONG	119 1/2
TOP AND SIDES OF FIRE BOXES	107 1/2
BACKS	57 1/2
BACK TUBE PLATE	36 1/2
FRONT "	30 1/2
TOTAL HEATING SURFACE IN ONE BOILER	2000 sq. ft.
" " " " THREE	6000

GRATE SURFACE		
3 FURNACES	38 INT. DIA. x 5-3 BAR	50
TOTAL GRATE SURFACE IN THREE BOILERS		150

STEAM SPACE STAYS
STAYS MARKED 28 EXT. DIA' 6 7/8" EFF AREA 5.561"

$\frac{H.S.}{G.S.} = 40, \quad \frac{T.S.}{G.S.} = 32.68,$

STEAM SPACE IN ONE BOILER FROM 9" ABOVE FIREBOX = 328'

WEIGHT OF WATER (FRESH) FROM 9" ABOVE FIREBOX = 21 TONS'

DRAUGHT AREA THROUGH THE TUBES = 7.3'

TENSILE STRENGTH OF FURNACES AS NEAR 26 TONS AS POSSIBLE BUT NOT UNDER (MORISON TYPE) FURNACES FOR 210 LBS Y.P. NOTE THIS IS 15/16 ABOVE BOILER Y.P.

BACK FIRE BOX STAYS

STAYS MARKED	①	18 DIA	10 THK	S	ECC AREA =	2'39"
"	②	18 "	"	"	" =	2'066"
"	③	18 "	"	"	" =	1'76"

ALL STAYS ON BOILER BACKS FITTED WITH NUTS

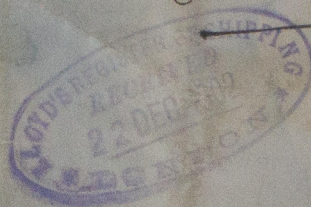
STEEL MAIN BOILER 30FF

13-6 MEAN X 11-6 LONG X 200 LBS PER YD.
ALL MATERIAL STEEL EXCEPT TUBES & IRON TUBES
TO PASS LLOYDS SURVEY AND BOFT INSPECTION OF DRAWINGS

N^o 200

SCALE 1" = 1 FOOT.

Report 562P
Belfast
Wickham Clarke & Co Ltd
Main Boilers
P.S. Law of Ireland



RETURN

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W593-0085



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