

OUTSIDE	NUTS	3 1/4	DEEP
INSIDE	"	1 1/2	"

TENSILE STRENGTH OF DOUBLING  
26 TO 30 TONS PER □".

**MC NEILS' MANHOLE DOOR**  
SCALE :- 1 1/2" = 1 FOOT.

$$q_{\text{THREADS EFF' AREA}} = 1.73 \text{ SQ IN.}$$

MC NEIL'S MANHOLE DOORS  
OPENING 16" x 12"

SURVEY	Nº 520	Nº 521
PASSED LLOYDS		
OWNERS APPROVAL		

[illegible]

## TWO BOILERS THUS

WORKING PRESSURE = 200 LBS. PER SQ. IN.

HYDRAULIC TEST " = 350

TUBES LAP WELDED WROT IRON, ALL OTHER MATERIAL STEEL

SCREWED STAYS ON C.C. BACKS.

STEEL STAYS MARKED  $\otimes$   $1\frac{7}{8}$  DIA. 9 THDS EFF. AREA = 2.36 SQ. INS.

**ALL STAYS NUTTED AT EACH END.**

STEEL STAY 3" DIA.  
6THDS. EFF' AREA = 6.096"<sup>2</sup>  
RIVETED DOUBLING  $\frac{3}{4}$ " THICK

2	J	SOTTON BACKS	9' - 8 1/2"	52 1/2"
2	K	C <sup>8</sup> BACK TUBE PLATES	7' - 9 1/2"	60"
4	L	WING " " "	7' - 8 1/2"	52 1/2"
2	M	C <sup>8</sup> C.C. BACKS	7' - 9 1/2"	60"
4	N	WING C.C. BACKS	5' - 9'	31 1/2"
1	P	COMPENSATING PLATES		

CR C.C. TOPS, SIDES &amp; BOTTOM

WING C.C. TOPS, SIDES & BOTTOM

TWO BOILERS 13'-9" INT. DIA. x 10'-6" LONG.  
200 LBS. W.P. PER SQ. IN. TO PASS LLOYDS SURVE

WORKMAN CLARK (1928)  
ENGINE DEPT BELFAST

DRAWING NO. 28203 DATE 1  
DRAWN BY ---  
CHECKED BY H.E.S.  
TRACING CHECKED BY M.C.

N<sup>OS.</sup> 520

**MAIN BOILER**  
SCALE :- 1" = 1 FOOT.


 David P. Robbins  
 Foundation