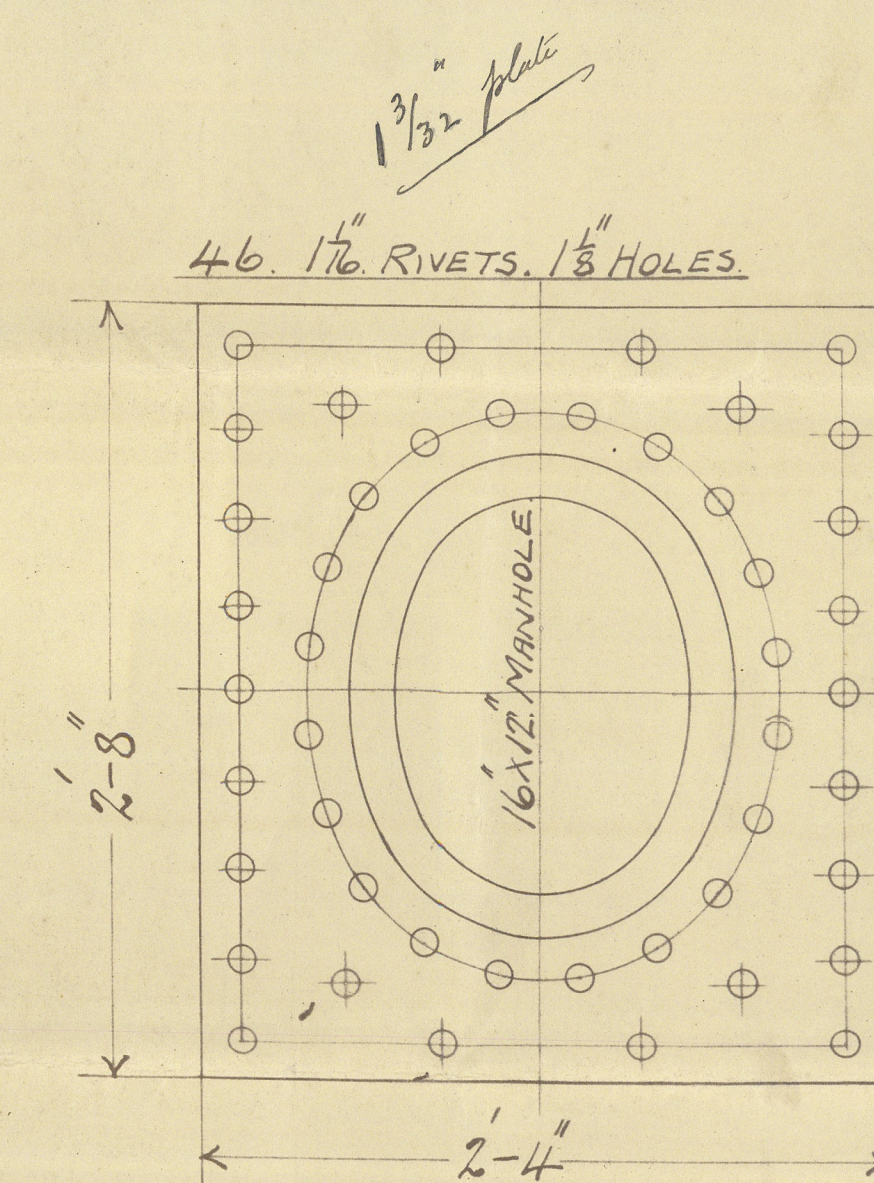
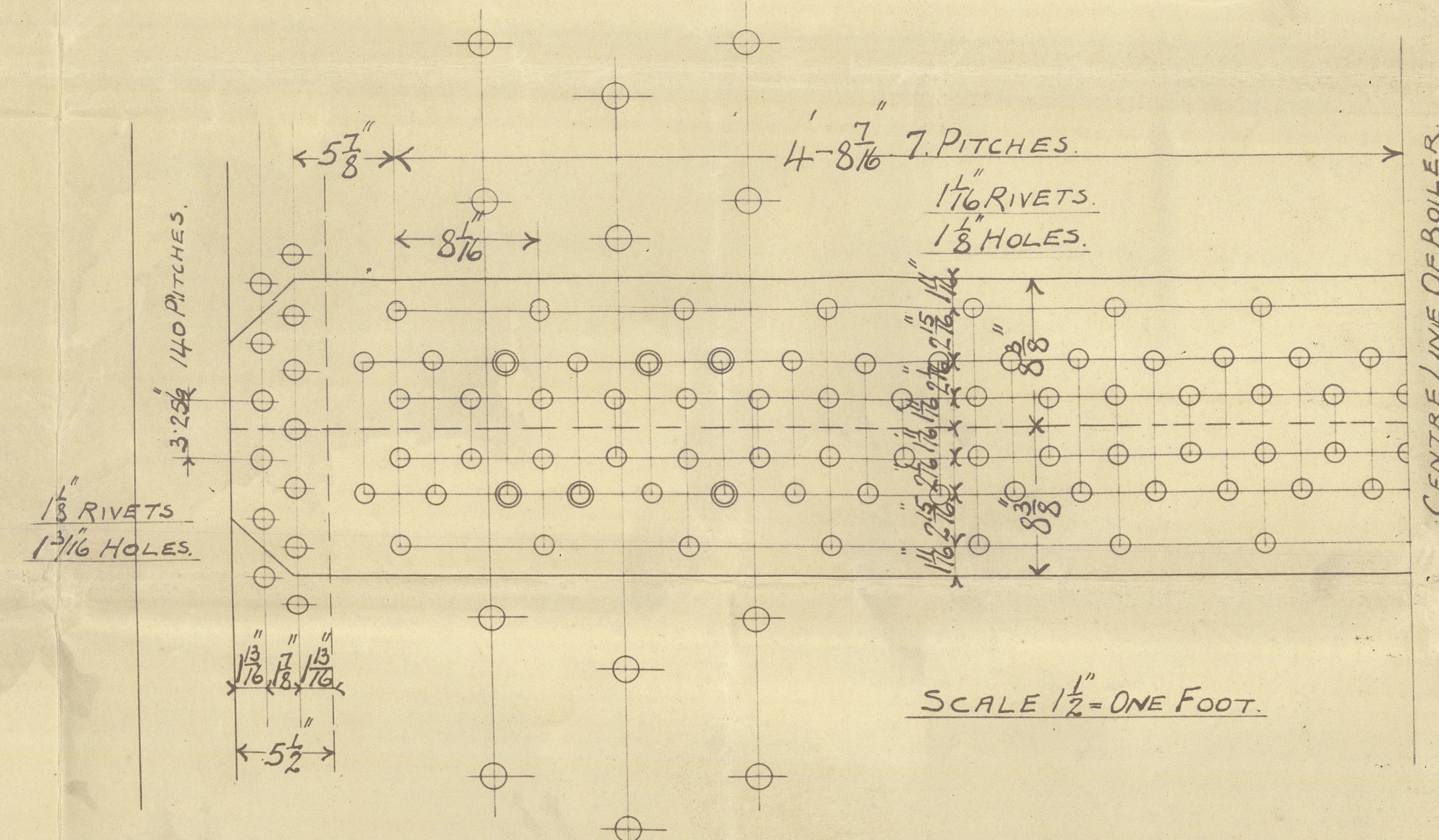
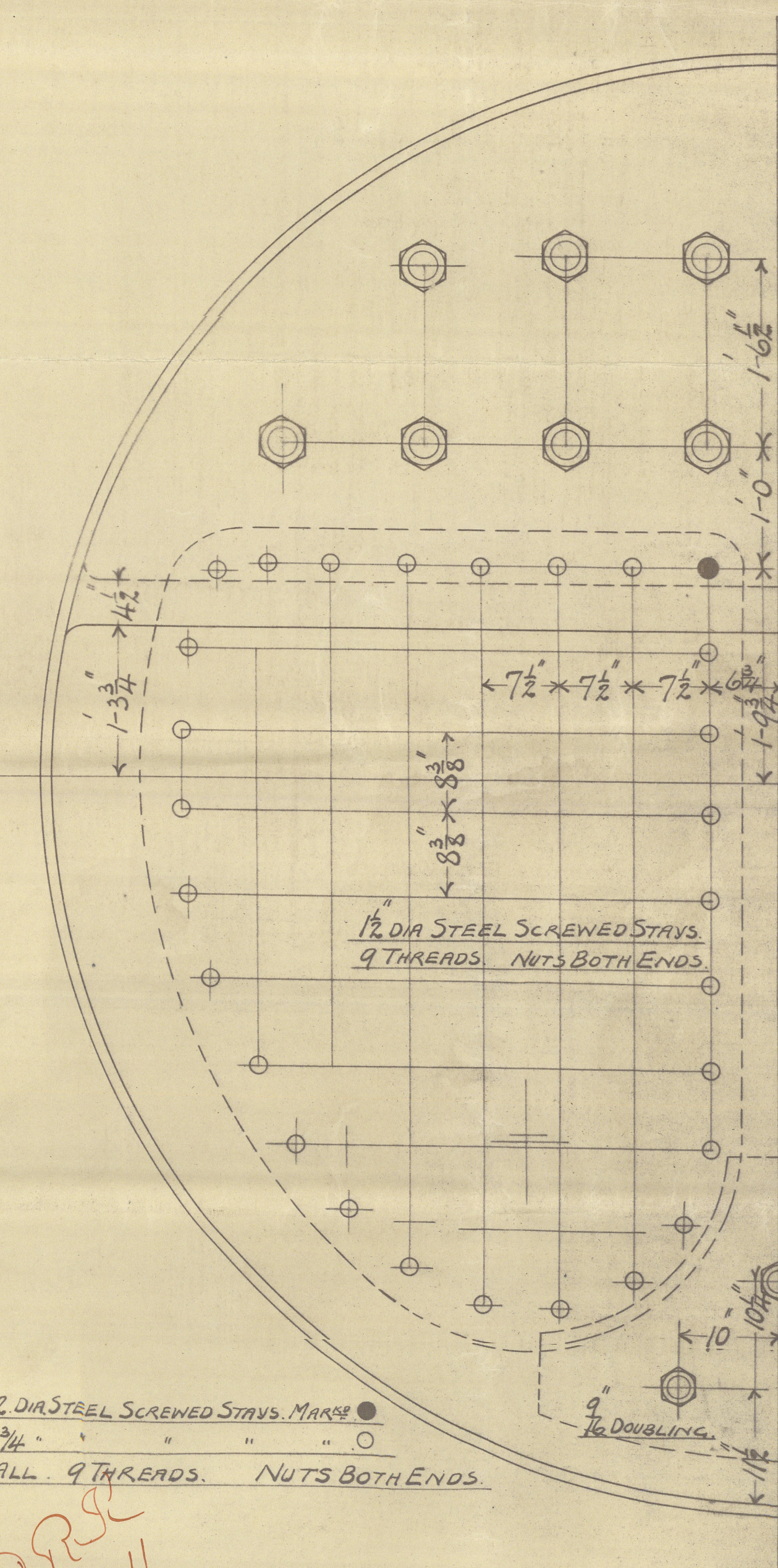
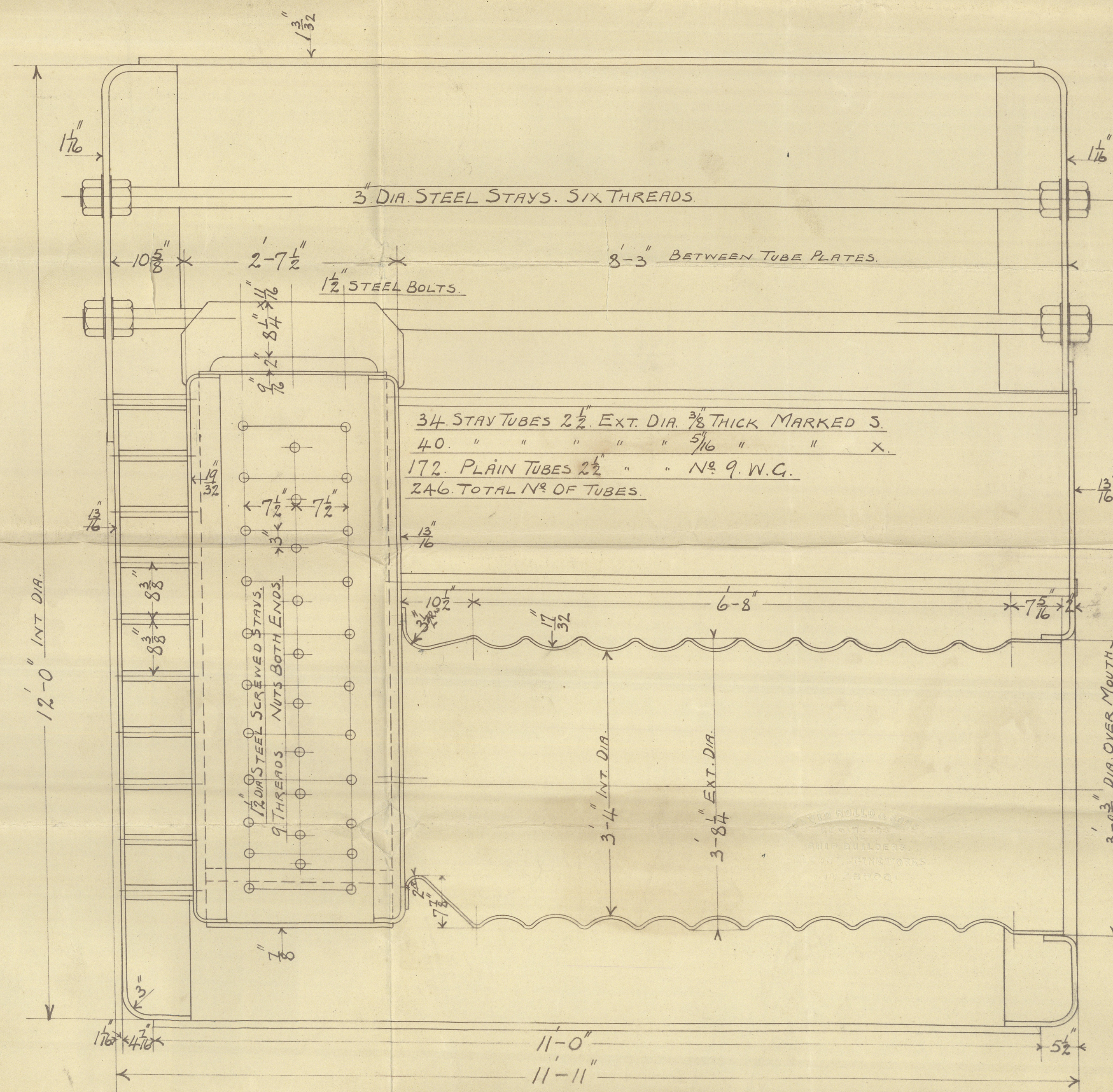
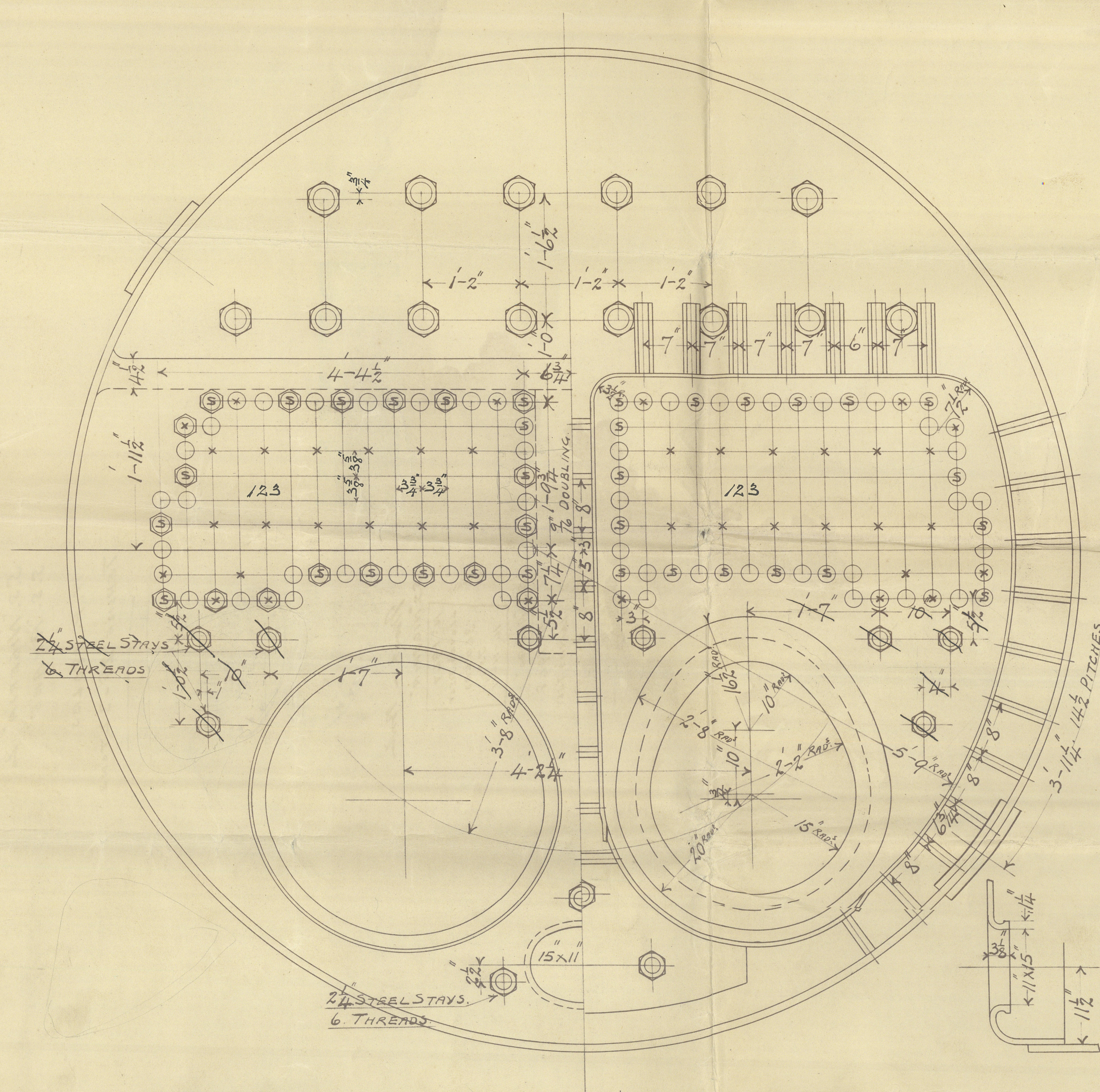


17/4/11

RIVETING.
LONGITUDINAL SEAM.
 SHELL $1\frac{3}{32}$ " RIVETS $1\frac{1}{16}$ " HOLES $1\frac{1}{8}$ " PITCH $3\frac{1}{16}$ "
 PLATE % 8604. RIVET % B.O.T. 868. LLOYDS 8383
 BUTT STRAPS. INNER $1\frac{1}{8}$ " OUTER $1\frac{1}{4}$ "
CIRCUMFERENTIAL SEAM.
 RIVETS $1\frac{1}{8}$ " HOLES $1\frac{1}{16}$ " PITCH $3\frac{1}{16}$ "
 PLATE % 6352. RIVET % B.O.T. 5109. LLOYDS 528.
 SHELL PLATES AND BUTT STRAPS TO HAVE A MINIMUM
 TENSILE STRENGTH OF 28 TONS AND A MAXIMUM OF
 32 TONS PER SQ INCH.
 BOILER STEEL ALL STAYS STEEL TUBES IRON.



HEATING SURFACE IN EACH BOILER.	
246 TUBES =	1329 sq.
2 FURNACES =	1116 sq.
2 COMB CHAMBERS =	170.1 sq.
TOTAL =	1610.7 sq.
GRATE AREA (5'-6" BAR)	3266 sq.
AREA THRU TUBES	591 sq.
RATIO $\frac{G.A.}{A.T.}$	47.85
" AREA THRU TUBES	5.69



ONE OFF. S.S. "AKABO"
 ONE OFF. S.S. "NIGERIA"

STEEL BOILERS
 TO PASS BOARD OF TRADE AND LLOYD'S FOR A WORKING PRESSURE OF 180 LBS PER SQ INCH.
 DRAWING NO 30231. SCALE 1" = 1 FOOT. JULY 12TH 1911.

D. ROLLO & SONS

2. STEEL AUXILIARY BOILERS

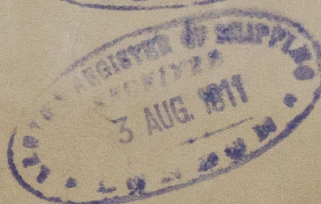
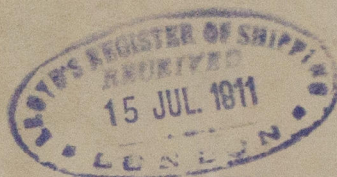
FOR

S.S. "NIGERIA" &

S.S. "AKABO"

W. P. 180 LBS

TENSILE 28-32 TONS



Munk & Borten

S.S. "NIGERIA"

N^o 1947
LLOYD'S TEST
360 LBS
J.C.
14-11-11

Rev Rpt.

66999.

S.S. "AKABO"

N^o 1948
LLOYD'S TEST
360 LBS
J.C.
8-12-11

Rev Rpt

RETAIN