

DIA OF BOILER 13'-6" INSIDE.  
 LENGTH OF DO 10'-6" INSIDE.  
 NUMBER OF TUBES 220.  
 LENGTH OF DO 6'-4 1/2" BETWEEN PLATES.  
 DIA OF DO 3 1/2" AREA THRU TUBES 900 BT.  
 HEATING SURFACE IN TUBES 1240 S.F.  
 TOTAL HEATING SURFACE 1595 S.F.  
 FIRE BAR SURFACE 47-5 S.F. 5'-6" BAR.  
 DIA OF SAFETY VALVES  
 CUBIC FEET OF STEAM SPACE 3.8. (6" ABOVE C.C.)  
 WORKING PRESSURE 130 LBS.

CIRCUMFERENTIAL SEAMS 3/8" PITCH.  
 1/2" PLATE 672.  
 3/8" RIVET 461.

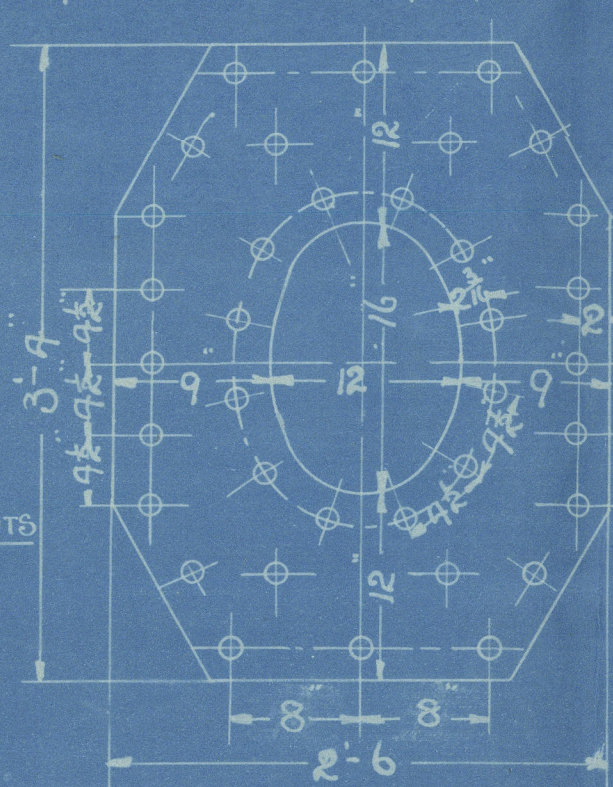
LONGITUDINAL SEAMS 3/8" PITCH.  
 1/2" PLATE 851.  
 3/8" RIVET 915.

ALL 1/2" RIVETS 1/4" HOLES.  
 OUTSIDE BUTT STRAP 1/8" INSIDE 1/32" THICK.

TENSILE STRENGTH OF SHELL PLATES AND BUTT STRAPS  
 28-32 TONS PER SQUARE INCH.

NOTE: THE PLATES, RIVETS AND STAYS OF STEEL, BY THE SIEMENS MARTIN PROCESS. ALL HOLES DRILLED THROUGHOUT THE BOILER. THOSE IN SHELL AFTER THE PLATES ARE BENT. ALL FLANGED PLATES TO BE ANNEALED AFTER THE PLATES ARE BENT. STAYS ARE NOT TO BE WELDED. TUBES ARE OF IRON. COMBUSTION CHAMBER STAYS ARE SCREWED INTO BOTH PLATES. NO WASHERS INSIDE C.C.

1/8" DOUBLING PLATE.  
 1/32" RIVETS 176 HOLES.  
 FITTED OUTSIDE SHELL WITH SHORT AXIS LONGITUDINALLY.



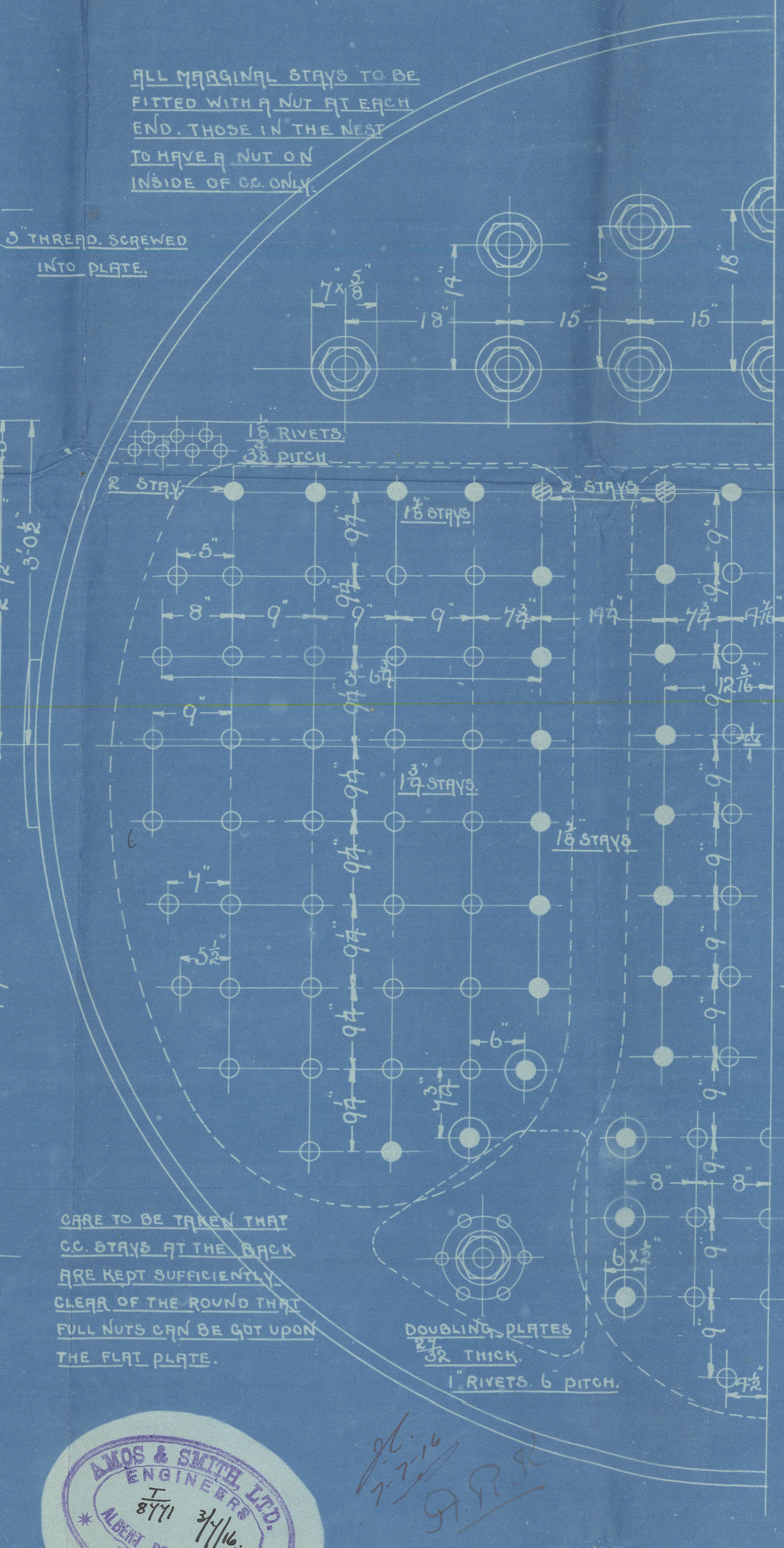
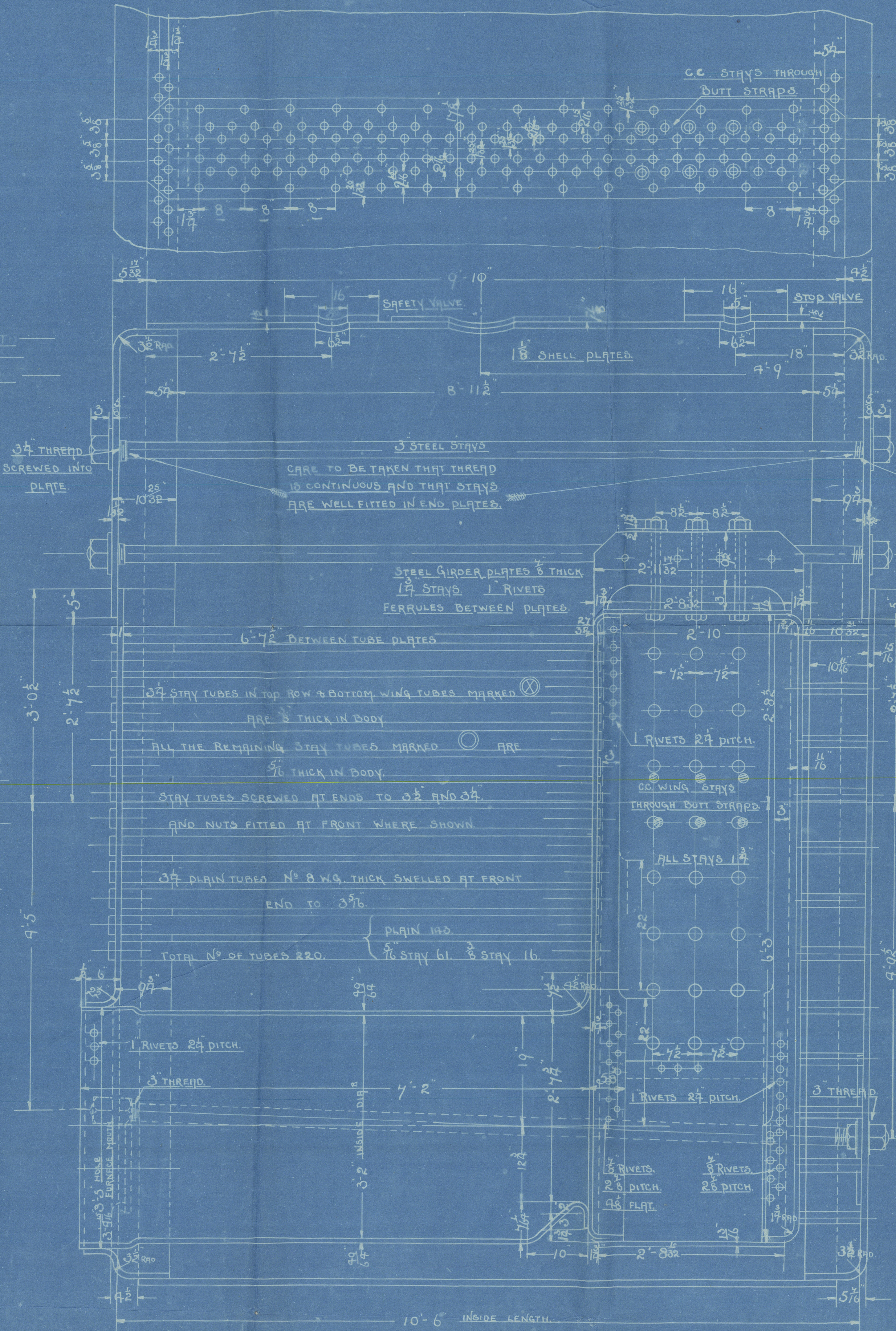
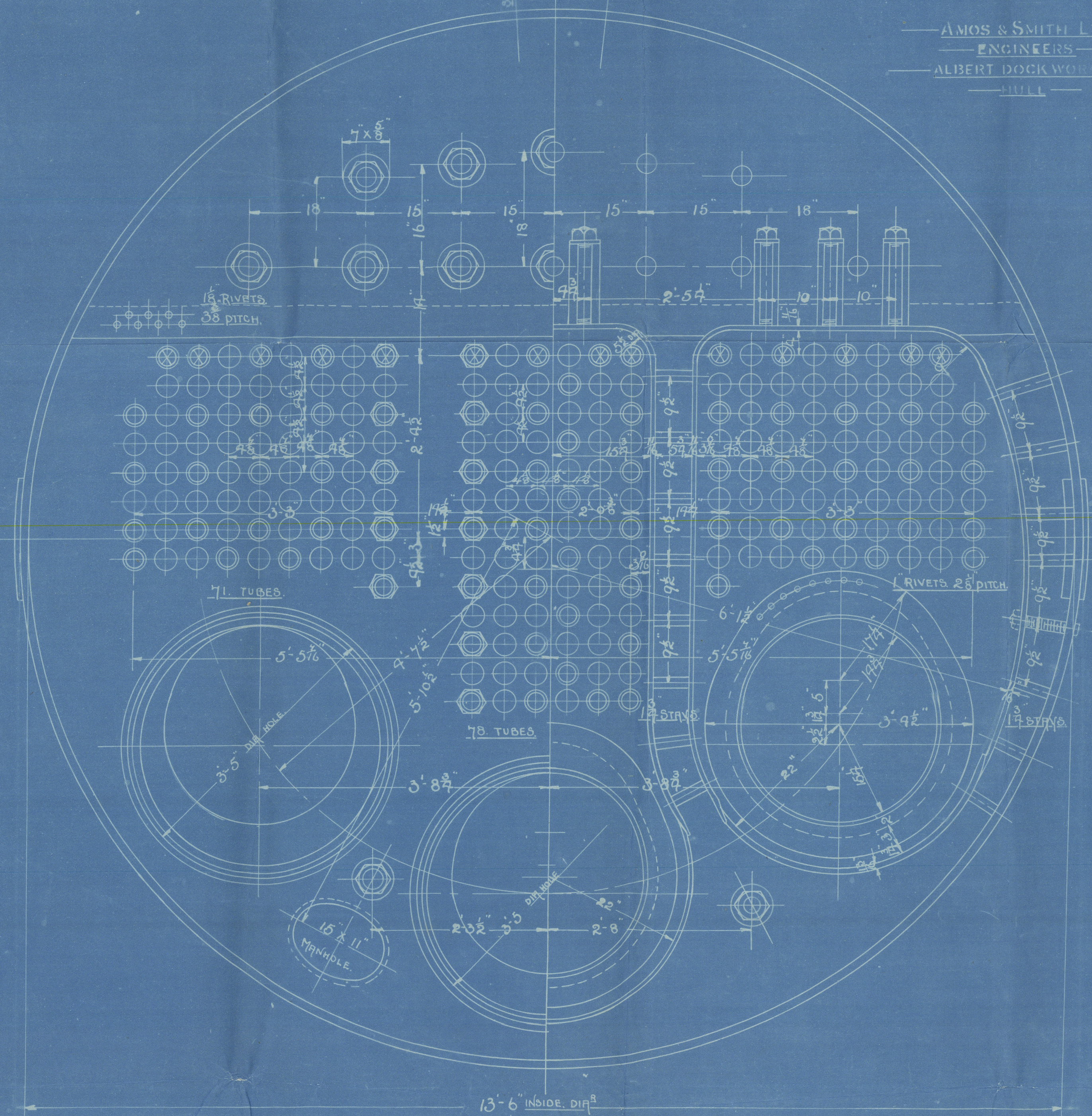
NOTE: STUDS ON MANHOLE DOORS ARE NOT TO PROJECT THROUGH NUTS WHEN NUTS ARE TAPPED UP.

AMOS & SMITH LTD.  
 ENGINEERS.  
 ALBERT DOCK WORKS.  
 HULL.

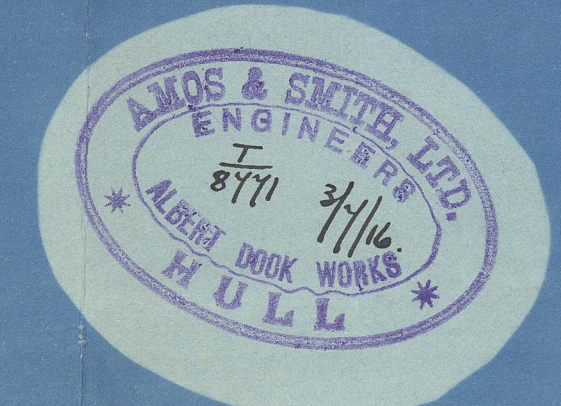
PARTICULARS OF STAYING:

STAYS.	DIA.	THREADS PER INCH.	AREA OF BOIL. OF THREAD.
STEAM SPACE STAYS	3"	6	6.10 sq"
BOTTOM STAYS	3"	6	6.10 "
STAY TUBES 3/4"	3 1/2"	9	2.179 "
C.C. STAYS	1 1/2"	10	2.066 "
" "	2"	8	2.66 "
STAY TUBES 3/8"	3 1/2"	9	2.677 "

ALL MARGINAL STAYS TO BE FITTED WITH A NUT AT EACH END. THOSE IN THE MIDDLE TO HAVE A NUT ON INSIDE OF C.C. ONLY.



CARE TO BE TAKEN THAT C.C. STAYS AT THE BACK ARE KEPT SUFFICIENTLY CLEAR OF THE ROUND THAT FULL NUTS CAN BE GOT UPON THE FLAT PLATE.



10502

STEEL BOILER

2786-7-89-90-1

2833-4 3/1/16

TITLE STEEL BOILER  
 FOR WHO A7S LTD.  
 DATE 3 JULY 20 1915.  
 ORDER SEE LIST.  
 MADE BY REGISTER  
 SCALE 0.1 INCH = 1 FOOT



W199-0041112)

A.S. 85--2000--5/14--W

From AMOS & SMITH, Ltd., HULL.

Enclosure for

Messrs Lloyds

Surveyors.

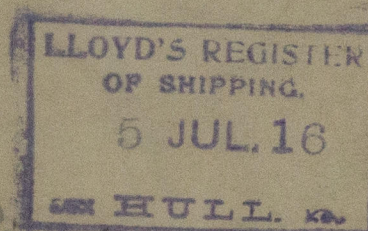


Amos V Smith

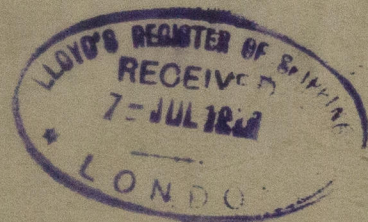
No 2833 & 4

W.P. 185. lbs.

G.A. 5716



*n. n. n. n.*  
s/s John Appleby Hull Rpt No. 29974  
- John Arthur - - - 30601.



W199-004



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Foundation