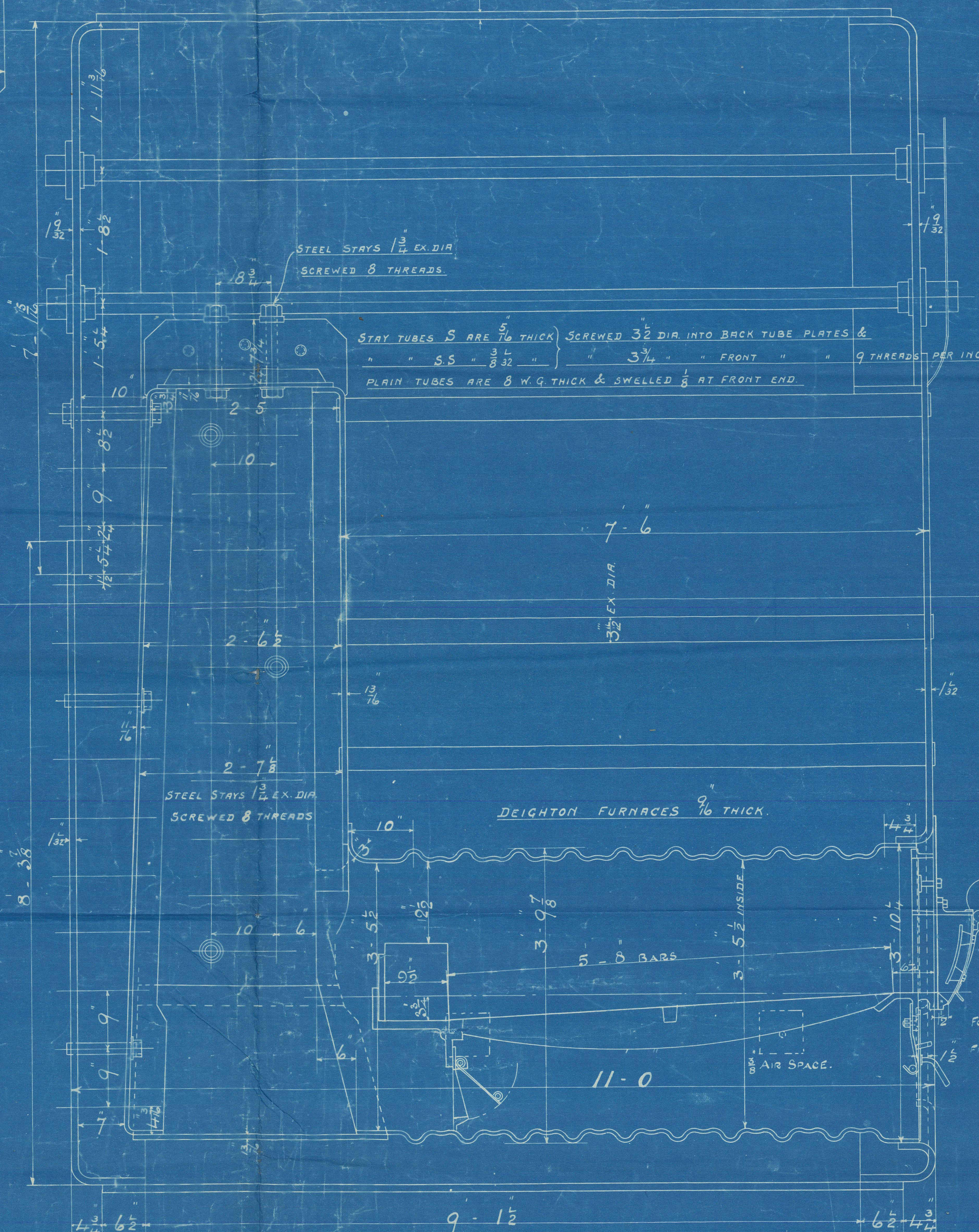
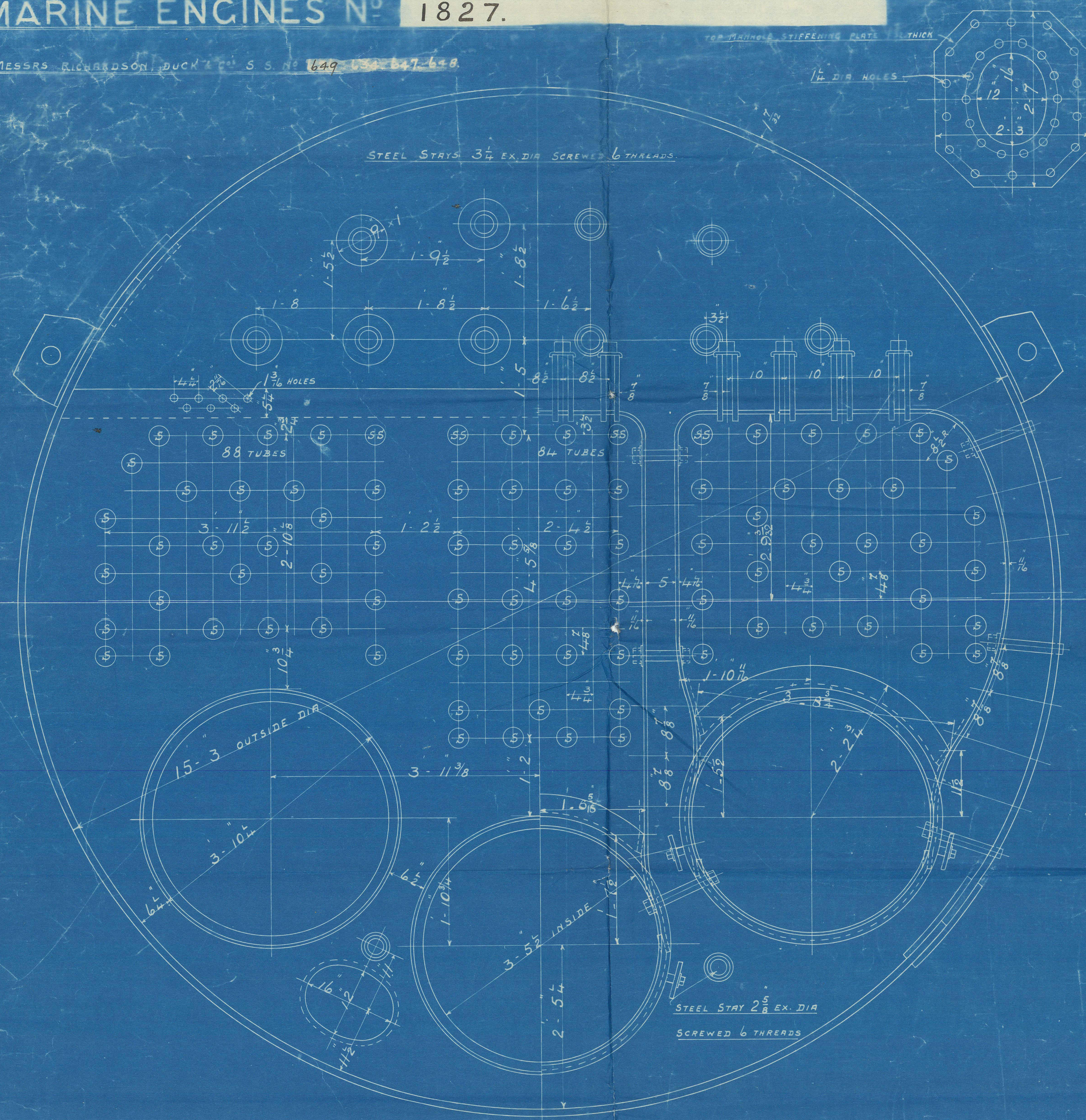
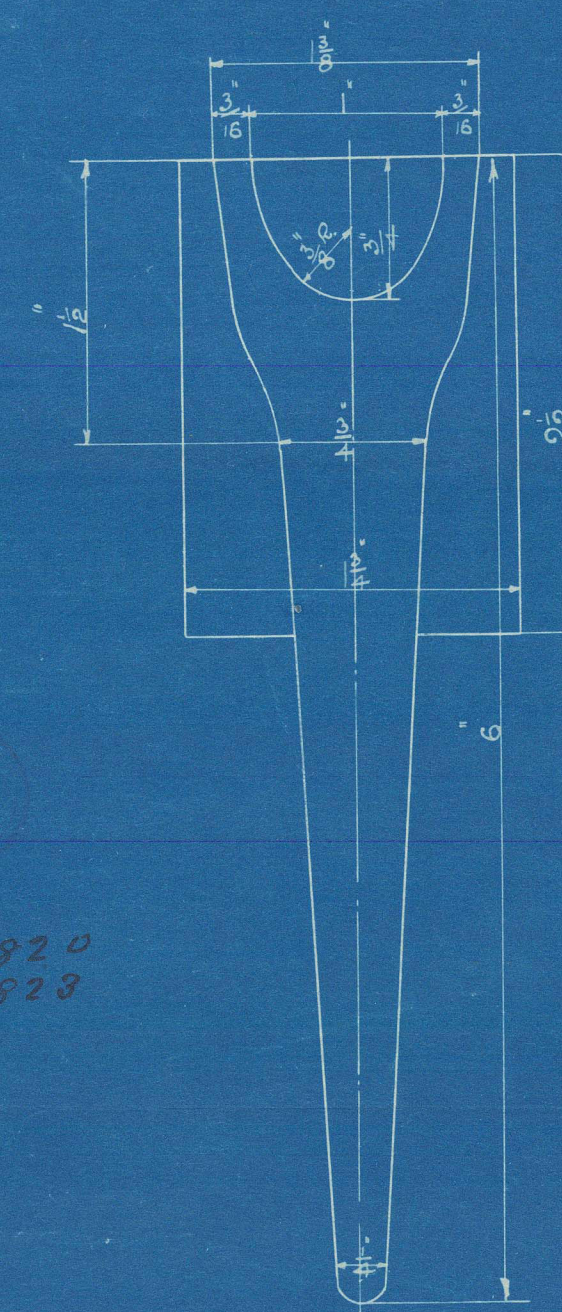


MARINE ENGINES NO 1827.

MESSRS RICHARDSON, DUCK & CO S.S. NO 1649-150-547-4-8.



SECTION OF FIRE - BAR
FULL SIZE.



1421
1-3-15
Duplicate of No 1820
1820

FOR DETAIL OF FURNACE FRONT
FITTINGS SEE POINTS NO. 50674.

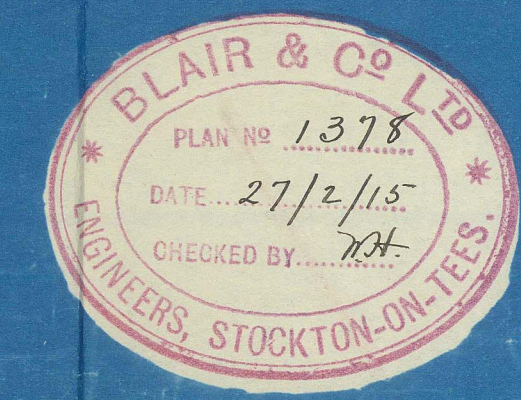
BOILERS. 3-OFF SCALE 1 INCH TO A FOOT.

180. LBS. WORKING PRESSURE

TOTAL HEATING SURFACE IN THREE BOILERS. = 6435 SQ. FEET.
" GRATE " " " " " = 178.5 " "

THE MINIMUM TENSILE STRENGTH OF SHELL & GIRDER PLATES IS TAKEN AT 28 TONS PER SQ. INCH.

- BOILERS ABOVE SEATINGS COVERED WITH HAACKES NON CONDUCTING COMPOSITION & LAGGED WITH SHEET IRON ON CIRCULAR PARTS.
- NOTE E 274 ORDER. BACK OF BOILERS COVERED WITH GALV CORRUGATED SHEET IRON, CLEADING CARRIED FROM LEVEL OF MAIN DECK DOWN TO TANK TOP
- NOTE E 275 ORDER. 1 SET OF HOWDEN'S RETARDERS.
- NOTE E 276 ORDER
- NOTE E 277 ORDER. BACK OF BOILERS COVERED WITH GALVANIZED SHEET IRON, CARRIED FROM LEVEL OF MAIN DECK DOWN TO TANK TOP
- NOTE E 278 ORDER. COVERING BOTTOMS OF BOILERS WITH MAGNESIA BLOCKS
- AFTERWARDS COVERED WITH GALVANIZED IRON PLATES SECURED BY BANDS. SUPPLIED & FITTED BY NEWELL'S INSULATION CO
- NOTE E 279 ORDER. COVERING THE BOTTOM PART OF BACK END OF BOILERS



B 2901.

From **BLAIR & CO., Ltd.,**
STOCKTON-on-TEES.

For Enclosure to

Messrs Lloyd's
Engineer Surveyors
Middlebro

Duplicate of
our No 1820

0026 2/2

3 Main Boilers

Messrs Blair & Co Ltd

No. 1827

for

Messrs Richardson Duck & Co

S.S. No. 649

Working Press 180 lbs

25

No. 5609
LLOYD'S TEST
360 lbs.
24.7.76. WM

~~R.F.A.~~

~~"Olmos"~~

S.S. Buchleaf

Indb Rpt. No. 9657



Duplicate of No 1820423

W1360-0026 1/2



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