

*Duplicate of No 58
Approved by Reeds
29/10/1905*

TRACING NO 796

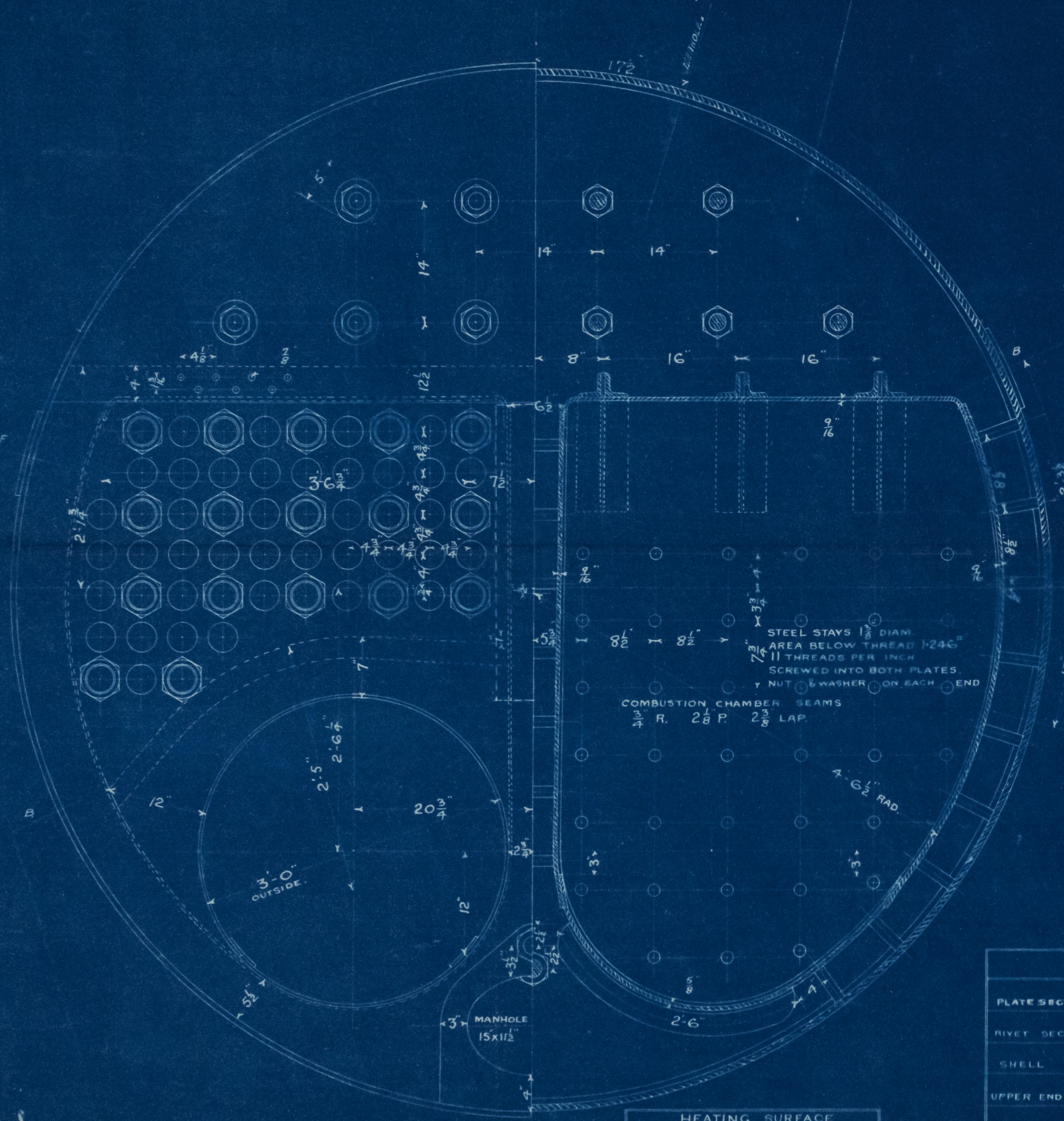
BOILER N° 59. *Note this Boiler is exactly the same as per N° 58.*

DRAWING NO 773

DIAM 10' 0"
LENGTH 9' 0"
WORKING PRESSURE 125 lbs per sq in
SCALE 1" = 1 FOOT
ALL STEEL EXCEPT TUBES

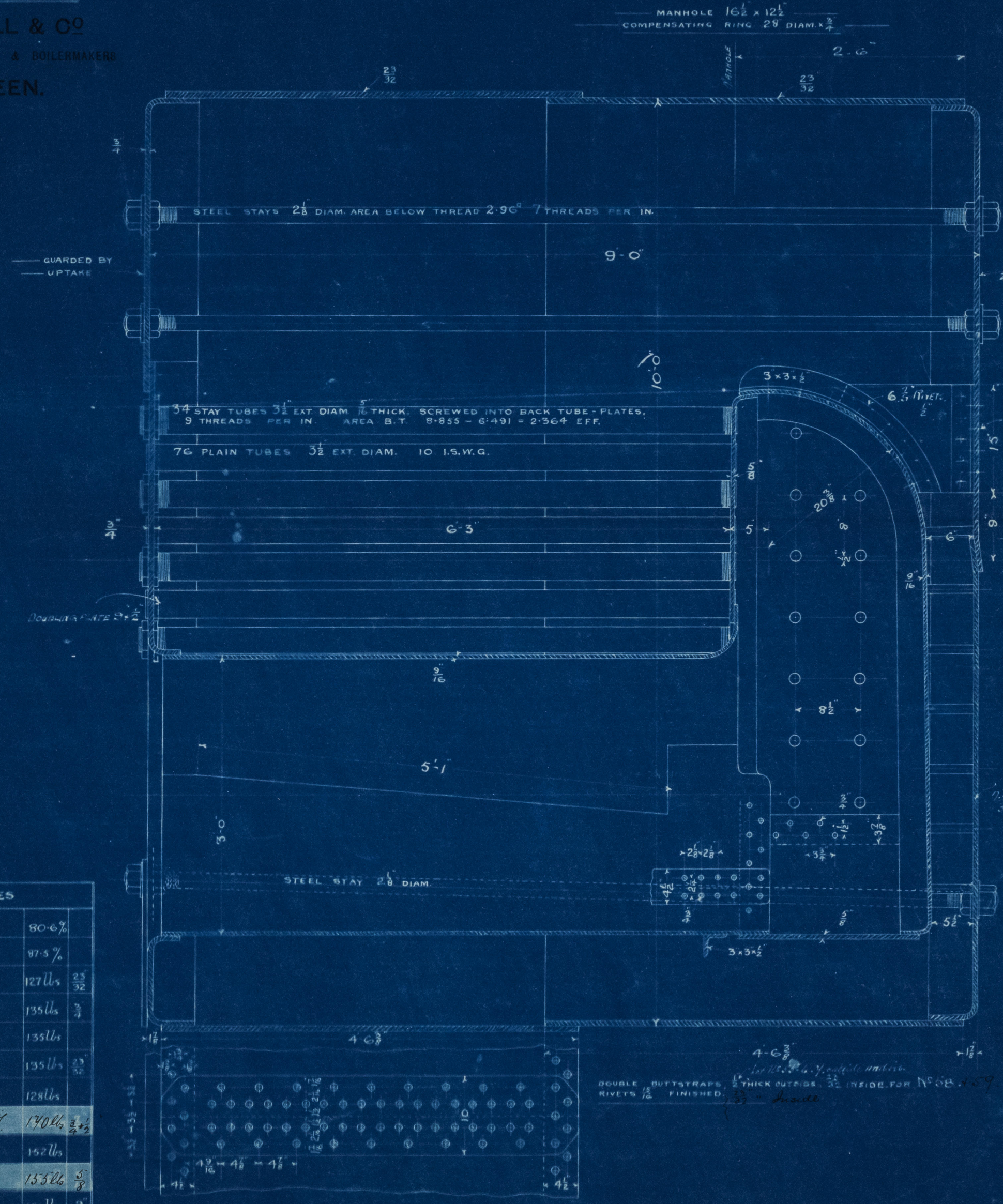
11th Nov 1895

ALEXR HALL & CO
SHIPBUILDERS, ENGINEERS & BOILERMAKERS
ABERDEEN.



HEATING SURFACE	
2 FURNACES	58.4
2 COM. CHAMBERS	49.6
110 TUBES	629.2
TOTAL	737.2 sq ft
GRATE AREA	30.0 sq ft
DIAM OF EACH SAFETY VALVE	2 1/2"

LLOYD'S WORKING PRESSURES			
PLATE SECTION	$4.875 - 9375 \times 100 =$	4.875	80.6%
RIVET SECTION	$3 \times 1.75 = 5.25$ $4.875 - 5.25 \times 85 =$	4.875	97.5%
SHELL	$20 \times (11.5 - 2) \times 80 =$	120	127 lbs
UPPER END PLATES	$195 \times 12 =$	14	135 lbs
STEAM SPACE STAYS	$2.96 \times 9000 =$	14 x 1/4"	135 lbs
LOWER BACK PLATE	$135 \times 11.5 =$	11.5	135 lbs
OUTER SCREW STAYS	$1.246 \times 8000 =$	7.75 x 10	128 lbs
FRONT TUBE PLATE	$150 \times 10 =$	150	130 lbs
STAY TUBES	$2.364 \times 7500 =$	12.25 x 10.5	152 lbs
BACK TUBE PLATES	$140 \times 10 =$	140	135 lbs
COMBUSTION CHAMBERS	$135 \times 9 =$	8.5	151 lbs
INNER SCREW STAYS	$1.246 \times 8000 =$	8 x 5	146 lbs
FURNACES	$89600 \times 5.625 =$	6 x 50	151 lbs



ALEXR HALL & CO

SHIPBUILDERS, ENGINEERS & BOILERMAKERS

ABERDEEN.



Steel Boiler
for

Presⁿ - a. H. Hall & Co.

N.S. No 359

"
O.S. Agnes

Abn. No 5-165



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Lloyd's Register
Foundation

ABN 25-0062