

DIMENSIONS: 400' 0" B.P. x 53' 0" M.L.D. x 29' 7 1/2" M.L.D.  
SINGLE DECK WITH 47.5% SUPERSTRUCTURES  
CLASS 100 A.I. LLOYDS.

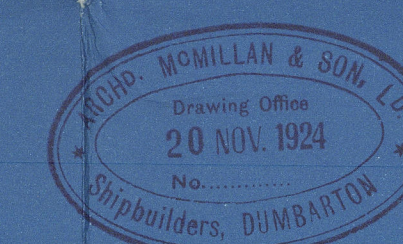
# MIDSHIP SECTION

SINGLE SCREW MOTOR VESSELS

"ELMWORTH" & "OAKWORTH"

N<sup>OS</sup>. 636-7

SCALE: 1/2 INCH = 1 FOOT.



EQUIPMENT	NUMERAL
L (B+D)	400 x 82 625 = 33050
POOP	36-29 x 8 x 75 = 218
BRIDGE	120-00 x 8 x 75 = 720
FORECASTLE	34-00 x 8 x 75 = 204
CASINGS	62-50 x 7-5 x 50 = 234
HOUSES	25-00 x 7-5 x 50 = 94
EQUIPMENT NUMERAL	= 34520

EQUIPMENT	LETTER	Y
3 BOWER ANCHORS (STOCKLESS) COLLECTIVE WEIGHT 170 1/2 CENTS.		
1 STREAM ANCHOR EX STOCK 16 1/4 CENTS.		
270 FATHOMS 2 3/4" STUD CHAIN		
90 " 4 3/4" STEEL WIRE (STREAM)		
120 " 4 3/4" " (TOWLINE)		
2 @ 120 " 3" " (HAWERS)		
2 @ 120 " 2 3/4" " (WARS)		

## PROPORTIONS

L/D = 13.50 TO UPPER DECK  
L/D = 10.62 TO BRIDGE DECK

## SUPERSTRUCTURES

POOP 36-3  
BRIDGE 120-0  
FORECASTLE 34-0  
190-3 = 47.5%

## NUMERALS

L x D = 400' x 29' 625' = 11850 1<sup>ST</sup> LONGITUDINAL NUMERAL  
L (B+D) = 400 (33+29 625) = 33050 2<sup>ND</sup> " "  
D = 29 62 DEPTH  
d = 23 83 FRAMING  
d = (IN AFTER HOLDS) = 23 1/6 "  
d = (IN MACHINERY SPACE) = 16 83 "

UPPER DECK STRINGER (IN WELLS) 89 TO 42 AT ENDS.  
" " PLATING " " 89 TO 34 " " OUTSIDE LINE OF OPENINGS.  
" " " " " " 40 TO 34 " " WITHIN " " "

NOTE: DECK PLATING INCREASED TO 50 WHERE EXPOSED.  
HEAVY STRINGER & PLATING CARRIED FOR ABOUT 17-6 INTO BRIDGE AT EACH END.  
42 DOUBLINGS AT BRIDGE ENDS ON STRINGER.  
UPPER DECK STRINGER ANGLE 6 x 6 x 91 TO 3 1/2 x 3 1/2 x 42  
INSIDE POOP & FORECASTLE.

DECK CAMBER 13 1/2

3" REDWOOD COVERS

DOUBLING 7 x 36

4 1/2 x 3 x 36 DOUBLE

WEBS 38

PLATING IN WAY OF BRIDGE 33 INCREASED TO 37 1/2

3 x 3 x 40

UPPER DECK BEAMS (CLEAR OF BRIDGE) 7 x 3 x 43 B.A. ON EVERY FRAME.

7 x 3 x 37 IN WAY OF 27 FRAME SPACING.

BRACKETS AT HATCH ENDS

3 x 3 x 50

3 x 3 x 50

3 x 3 x 50

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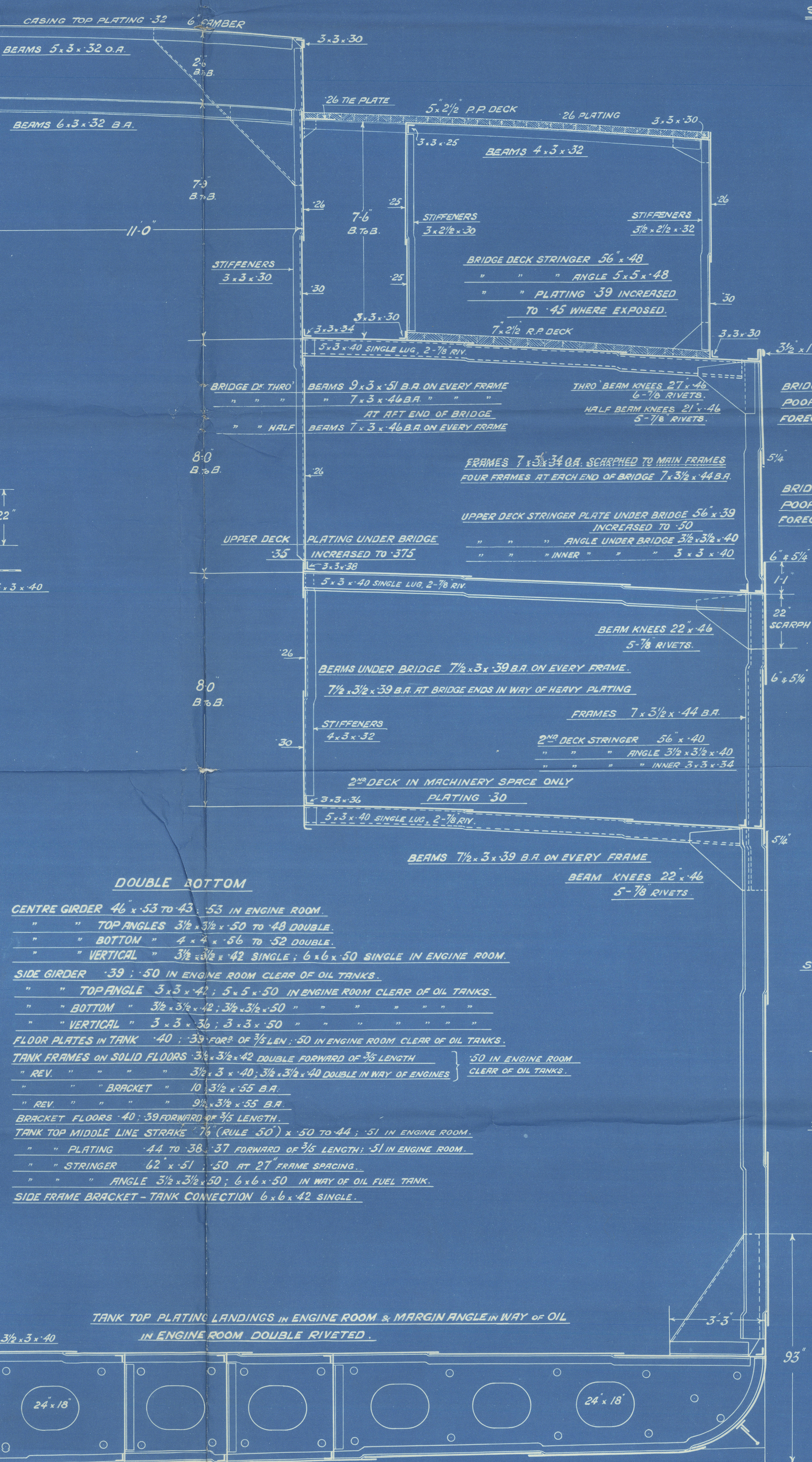
3 x 3 x 50

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FORECASTLE DECK STRINGER 35 x 34 INCREASED TO 40 WHERE EXPOSED.  
" " " " ANGLE 3 1/2 x 3 1/2 x 34  
" " PLATING 34 INCREASED TO 40 WHERE EXPOSED.  
" " BEAMS 6 1/2 x 34 B.A. EVERY FRAME (AT 27 SPACING)  
" " " " 6 1/2 x 34 B.A. " " ( " 24 " )  
" " BEAM KNEES 19 1/2 x 46  
" " SIDE FRAMING 7 x 3 1/2 x 43 O.A.

POOP DECK STRINGER 35 x 34 INCREASED TO 40 WHERE EXPOSED.  
" " " " ANGLE 3 1/2 x 3 1/2 x 34  
" " PLATING 30 INCREASED TO 40 WHERE EXPOSED.  
" " BEAMS 5 1/2 x 34 B.A. ON EVERY FRAME.  
" " BEAM KNEES 16 1/2 x 40  
" " SIDE FRAMING 7 x 3 1/2 x 43 O.A.

BRIDGE 38  
POOP 38  
FORECASTLE 40

BRIDGE 38  
POOP 38  
FORECASTLE 40

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POOP 38

FORECASTLE 40

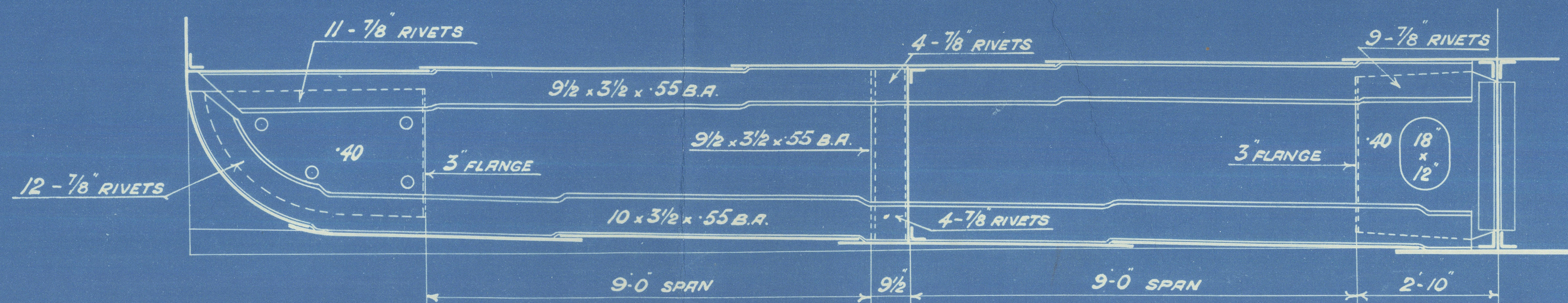
## RIVETING

KEEL PLATE BUTTS OVERLAPPED & QUADRUPLE RIVETED WHERE OVER 76.  
REMAINDER TREBLE RIVETED.  
BUTTS OF A TO H STRAKES TREBLE RIVETED THROUGHOUT.  
BUTTS OF SHEERSTRAKE OVERLAPPED & QUINTUPLE RIVETED WHERE OVER 84 WITHIN 1/2 LENGTH.  
QUADRUPLE RIVETED WHERE OVER 68; REMAINDER TREBLE RIVETED.  
BUTTS OF STRAKE BELOW SHEERSTRAKE QUADRUPLE RIVETED WHERE OVER 68;  
REMAINDER TREBLE RIVETED.  
SHELL LANDINGS DOUBLE RIVETED THROUGHOUT.  
UPPER DECK STRINGER BUTTS IN WELLS OVERLAPPED & QUINTUPLE RIVETED FOR 1/2 LENGTH.  
QUADRUPLE RIVETED WHERE OVER 68 OUTWITH 1/2 LENGTH; REMAINDER TREBLE RIVETED.  
DOUBLE RIVETED IN BRIDGE SPACE.  
BRIDGE DECK STRINGER BUTTS OVERLAPPED & TREBLE RIVETED.  
POOP & FORECASTLE DECK STRINGER BUTTS OVERLAPPED & DOUBLE RIVETED.  
UPPER DECK PLATING BUTTS QUADRUPLE RIVETED WHERE OVER 68, TREBLE RIVETED WHERE OVER 54.  
DOUBLE RIVETED WHERE OVER 42 & IN BRIDGE SPACE; REMAINDER SINGLE RIVETED.  
BRIDGE DECK PLATING BUTTS OVERLAPPED & DOUBLE RIVETED.  
POOP & FORECASTLE PLATING BUTTS OVERLAPPED & SINGLE RIVETED.  
DECK LANDINGS DOUBLE RIVETED WHERE OVER 68, REMAINDER SINGLE RIVETED.  
TANK TOP CENTRE STRAKE BUTTS OVERLAPPED & TREBLE RIVETED WHERE OVER 48.  
DOUBLE RIVETED AT ENDS WHERE NOT EXCEEDING 48.  
TANK TOP STRINGER PLATE BUTTS OVERLAPPED & TREBLE RIVETED FOR 1/2 LENGTH, DOUBLE RIVETED AT ENDS.  
TANK TOP PLATING BUTTS OVERLAPPED & DOUBLE RIVETED FOR 1/2 LENGTH; SINGLE RIVETED AT ENDS.  
CENTRE GIRDER PLATE BUTTS OVERLAPPED & TREBLE RIVETED THROUGHOUT.

RIVETS THROUGH FRAME & SHELL IN WAY OF DOUBLE BOTTOM ABAFT 2/3 LENGTH FORWARD  
7 DIAMETERS APART CENTRE TO CENTRE.  
RIVETS THRU SIDE FRAME & SHELL SPACED 6 DIAMETERS APART CENTRE TO CENTRE EXCEPT  
IN FORWARD & AFTER PEAK TANKS & FORWARD OF 2/3 LENGTH TO UPPER TURN OF BILGE WHERE THEY  
ARE SPACED 5 1/2 DIAMETERS APART CENTRE TO CENTRE.

BILGE KEEL 6 x 6 x 42 T BAR  
10 x 42 BULB PLATE  
D. OUT 62 TO 49 44 PEAKS  
C. IN 62 TO 49 44 PEAKS  
B. OUT 62 TO 49 44 PEAKS  
A. IN 62 TO 49 44 IN PEAKS  
KEEL 49 x 78 FOR 1/2 LEN.  
TO 68 AT ENDS.

MIDSHIP THICKNESS OF A, B & C STRAKES MAINTAINED TO RULE POSITION OF COLLISION BULKHEAD.





A. McMillan & Co  
No 636  
M.S. Elmworth

Mid. sec. as vessel built

GLASGOW REPORT No 44177

" Elmworth "



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Lloyd's Register  
Foundation

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