

S.S. "COULGARVE"

MIDSHIP SECTION

SCALE 1/2" = 1 FOOT

TO CLASS 100 A1 WITH FREEBOARD AT LLOYDS SPECIAL SURVEY
COMPLETE SUPERSTRUCTURE VESSEL WITH TONNAGE OPENING
DIMENSIONS: 345'-0" B.P. x 49'-0" EXT. x 48'-9" MLD. x 29'-6" MLD TO UPPER DECK

LLOYDS NUMERALS

FIRST LONGITUDINAL NUMBER L x D = 345-0 x 29-5 = 10177-5
SECOND " " L x (B+D) = 345-0 x (48-75 + 29-5) = 26996-25
D MOULDED DEPTH = 29-5
L/D TO UPPER DECK = 345-0 ÷ 29-5 = 11-7
d = 29-5 - (8-0 + 3-0) = 18-5
d AT HALF LENGTH FORWARD = 20-0

EQUIPMENT NUMBER

SECOND LONGITUDINAL NUMBER 345-0 x (48-75 + 29-5) = 26996-25
FORECASTLE 33-0 x 7-5 x 3/4 = 185-62
CASING & SIDEHOUSES 38-0 x 7-5 x 1/2 = 217-5
SALOON HOUSE 29-5 x 7-5 x 1/2 = 110-6
CHART & WHEEL HOUSE 25-5 x 7-5 x 1/2 = 95-6
EQUIPMENT NUMBER = 27605-57

EQUIPMENT

2 BOWER ANCHORS 52 1/2 CWTs EACH STOCKLESS
1 BOWER ANCHOR 44 1/2 CWTs STOCKLESS
1 STREAM ANCHOR 14 CWTs EX STOCK
270 FATHOMS 2 1/8" STUD CHAIN CABLE 573 3/4 CWTs
90 FATHOMS 1 3/16" STREAM CHAIN OR 4 1/2" FLEXIBLE STEEL WIRE 6 x 12
120 FATHOMS 4 1/2" FLEXIBLE STEEL WIRE 6 x 12
2 HAWSERS 90 FATHOMS 7" HEMP OR 2 1/2" FLEXIBLE STEEL WIRE 6 x 12
2 WARPS 90 FATHOMS 7" HEMP OR 2 1/2" FLEXIBLE STEEL WIRE 6 x 12

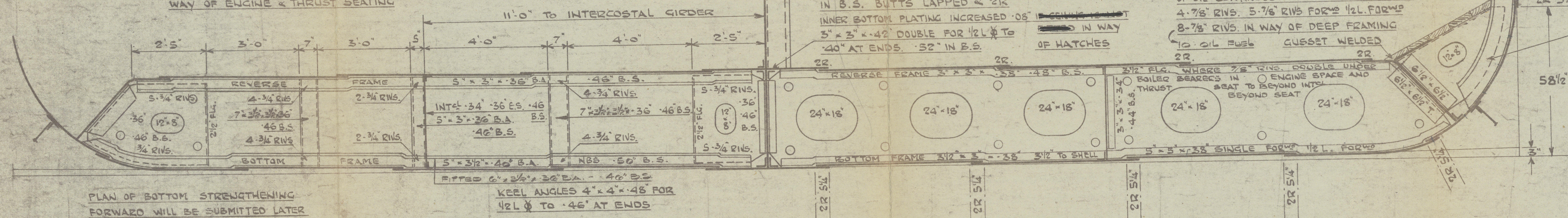
RIVETING NOTE

RIVS IN FRAMES TO FLOORS IN FORE & AFT PEAKS SPACED 5 DIARS APART C² TO C³
RIVS IN FRAMES TO SHELL AT FLAT OF DOUBLE BOTTOM FOR² OF HALF LEN. FOR² SPACED 5 1/2 DIARS (TWO COMPLETE ROWS)
RIVS IN FRAMES TO SHELL AT FLAT OF DOUBLE BOTTOM FOR² OF HALF LEN. FOR² SPACED 6 1/4 DIARS (TWO COMPLETE ROWS)
RIVS IN SIDE FRAMES TO SHELL SPACED 7 DIARS APART, 5 1/2 DIARS IN WAY OF FORE & AFT PEAKS & DEEP FRAMING FOR²
RIVS IN BOTTOM FRAMES TO SHELL & FLOORS AFT OF HALF LEN. FOR² REV. FRAMES TO FLOORS & INNER BOTTOM PLATING, VERT. ANGLES TO FLOORS & SIDE GIRDERS, W.T. BHP STIFFENERS (EXCEPT PEAK BULKHEADS) & IN DECK PLATING TO BEAMS
ON EVERY FRAME SPACED 7 DIARS APART C² TO C³
RIVS IN END LAPS OF OUTSIDE PLATING, UPPER DECK, STRINGER & PLATING FOR 1/2 L & INNER BOTTOM PLATING 4 DIARS C² TO C³
RIVS IN SEAMS & END LAPS OF TUNNEL & BULKHEAD PLATING (EXCEPT PEAK BULKHEADS) SPACED 4 1/2 DIARS C² TO C³
RIVS IN BEAMS OF SHELL PLATING, INNER BOTTOM PLATING & DECK PLATING (EXCEPT PEAKS) AS PER TABLE 40
RIVS IN SEAMS & END LAPS OF W.T. BULKHEADS & DECKS IN WAY OF PEAKS SPACED 4 DIARS C² TO C³
RIVS IN END LAPS OF UPPER DECK STRINGER & PLATING AT ENDS, & 2ND DECK STRINGER & DECK PLATING 4 1/2 DIARS C² TO C³
RIVS IN FLAT KEEL ANGLES, VERTICAL ANGLES, CONNECTING FLOORS & CENTRE GIRDER & SHELL FLANGE OF W.T. BHP FRAME 5 DIARS C² TO C³
RIVS IN UPPER DECK STRINGER ANGLE, MARGIN ANGLE TO SHELL & BULKHEAD FLANGE OF BHP FRAME SPACED 4 1/2 DIARS C² TO C³
RIVS IN CENTRE GIRDER TOP ANGLES SPACED 5 DIARS WHERE WATERTIGHT, 7 DIARS APART WHERE NON-WATERTIGHT
2 ROWS AT 6 DIARS
IN 5-5" ANGLE

STERNFRAME 10" x 6 1/2"
STEM BAR 9" x 2 1/4"

SCANTLINGS AND DETAILS OF CONSTRUCTION NOTED HEREON ARE SUBMITTED ON THE UNDERSTANDING THAT THEY ARE THE MINIMUM WHICH WILL BE ACCEPTED FOR CLASS
ERRORS & OMISSIONS EXCEPTED

ADDITIONAL SIDE GIRDERS IN
WAY OF ENGINE & THRUST SEATING



PLAN OF BOTTOM STRENGTHENING
FORWARD WILL BE SUBMITTED LATER

DISPOSITION OF FLOORS

SOLID FLOOR ON EVERY FRAME IN ENGINE SPACE & FORWARD 3/5 L
FORWARD UNDER BOILER BEARERS & W.T. BULKHEADS. PARTIAL SOLID
UNDER THRUST. ELSEWHERE SOLID FLOORS EVERY FRAME
BRACKET FLOORS INTERMEDIATE (FITTED EVERY THIRD FRAME)

KEEL OUT

48" x 64" FOR 3/5 L & 1/2 L
AT ENDS, BUTTS LAPPED &
3R FORE & AFT

A IN

66" x 52" FOR 1/2 L & 1/2 L
AT ENDS, BUTTS
WELDED

B OUT

66" x 52" FOR 1/2 L & 1/2 L
AT ENDS, BUTTS
WELDED

C IN

66" x 52" FOR 1/2 L & 1/2 L
AT ENDS, BUTTS
WELDED

D OUT

63" x 52" FOR 1/2 L & 1/2 L
AT ENDS, BUTTS
WELDED

THICKNESS OF SHELL PLATING FROM FORWARD 1/2 LENGTH FORWARD TO
RULE POSITION OF COLLISION BULKHEAD 52" + 10% = 57"

UPPER DECK PLATING
41' ABREAST 10'-0" OPENINGS FOR 1/2 L
32' ABREAST 8'-3" OPENINGS
35' INSIDE LINE OF OPENINGS
32' AT ENDS, BUTTS WELDED

STRINGER PLATE TO RULE 52" x 54"
FITTED 66" x 50" 1/4" IN WAY OF
8'-3" OPENINGS TO 37" x 40" AT ENDS
BUTTS WELDED
STRINGER ANGLE 5" x 5" x 50"

FORECASTLE
SIDE PLATING 33" x 34"
STRINGER ANGLE 3 1/2" x 3 1/2" x 34"
DECK PLATING 32" UNSHEATHED
BUTTS WELDED. BEAMS ON EVERY
FRAME AS PER PROFILE & DECK PLAN

K OUT
TO RULE 42" x 61" FITTED
66" x 58" FOR 1/2 LEN. & 1/2 L
AT ENDS, BUTTS WELDED

J IN
TO RULE 49" x 58" FOR 1/2 L &
FITTED 66" x 56" FOR 1/2 L &
TO 42" AT ENDS, BUTTS
WELDED

H OUT
66" x 52" FOR 1/2 LEN. & 1/2 L
AT ENDS, BUTTS WELDED

G IN
66" x 52" FOR 1/2 LEN. & 1/2 L
AT ENDS, BUTTS WELDED

F OUT
63" x 52" FOR 1/2 LEN. & 1/2 L
AT ENDS, BUTTS WELDED

9-7/8" RIVS. 14-7/8" RIVS
IN WAY OF DEEP FRAMING

E IN
72" x 52" FOR 1/2 LEN. & 1/2 L

MARGIN PLATE TO RULE 29 1/2" x 46"
FITTED ABOUT 34" x 46" 56" B.S.
BUTTS LAPPED & 2R.
MARGIN ANGLE 3 1/2" x 3 1/2" x 46"

SILGE KEEL 10" x 50" BULB PLATE
RIVETED TO 6" x 4" x 50" TEE BAR
FOR ABOUT 100 FT &

24/

SANTIAGO

"SANTIAGO"

M/M 5393

EX

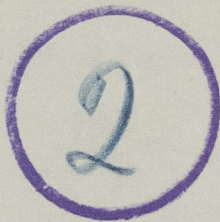
"COULGARVE"



Y7.1049

midship section (as built)

RECORDS DEPT.,
LONDON



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Lloyd's Register
Foundation