

AMENDED

Rpt. C.11 (Comp.)

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING
UNITED WITH THE BRITISH CORPORATION REGISTER
SURVEYS FOR FREEBOARD
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
Index No.
Govt. Copy
Owners C11

Ship's Name: CAUTIOUS.
Official Number
Nationality and Port of Registry: BRITISH
Gross Tonnage: 1010
Date of Build: 8-5 T.P.I.
Moulded Dimensions: Length 142'6", Breadth 33'0", Depth 16'0"
Freeboard Length
Moulded displacement at moulded draught = 85 per cent. of moulded depth
Coefficient of fineness for use with Tables: .68 (.553 Actual)

Port of Survey
Date of Survey: 20.3.58.
Surveyor's Signature
Particulars of Classification: 100 A.1.
FOR TOWING PURPOSES.

DEPTH FOR FREEBOARD (D). DEPTH CORRECTION. ROUND OF BEAM CORRECTION.
Moulded depth 16.0
Stringer plate 1.03
Wood Sheathing on exposed deck
Depth for Freeboard (D) = 16.03
(a) Where D is greater than Table depth (D-Table depth) R = (16.03 - 9.50) 1.096 = +7.16"
(b) Where D is less than Table depth (if allowed) (Table depth-D) R =
If restricted by superstructures
Moulded Breadth (B) 33.0
Standard Round of Beam = B x 12 / 50 = 7.92"
Ship's Round of Beam = 9
Difference 1.08"
Correction = Diff / 4 x (1 - S1/L) = 1.08 / 4 x 4599 = .12"

DEDUCTION FOR SUPERSTRUCTURES.

Table with columns: Mean Covered Length (S), Equivalent Enclosed Length (S1), Height, Height Correction, Effective Length (E). Rows include Poop enclosed, R.Q.D. enclosed, Bridge enclosed, F'cle enclosed, Trunk aft, Tonnage opening aft, Total.

Standard Height of Superstructure 6.00
R.Q.D.
Deduction for complete superstructure 20.25
Percentage covered S/L = 54.01
Percentage from Table, Line A. 37.61
Deduction = 20.25 x .3761 = 7.62

SHEER CORRECTION.

Table with columns: Station, Standard Ordinate, S M, Product, Actual Ordinate, Effective Ordinate, S M, Product. Rows include A.P., 1/4 L from A.P., 3/8 L, Amidships, 3/8 L from F.P., 1/4 L, F.P., Total.

Mean actual shear aft
Mean standard shear aft = Encus.
Mean actual shear forward
Mean standard shear forward =
Length of enclosed superstructure forward of amidships = .5
aft of = .0401

Correction = Difference between sums of products / 18 = 75.0 (.75 - .2701) = 2.00
If limited on account of midship superstructure. Yes. 2.00 x 1.401 = 1.40
If limited to maximum allowance of 1 1/4 ins. per 100ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.
Depth to Freeboard Deck = 16.03
Summer freeboard = 1.57
Moulded draught (d) = 14.16
Keel allowance
Extreme draught
Deduction for Tropical freeboard and addition for =
Winter freeboard = d/4 inches = 3.54 = 3 1/2"

Deduction for Fresh Water. Displacement in salt water at summer load water line
Delta = 1078
Tons per inch immersion at summer load water line
T = 8.69
Deduction = Delta / 40 T inches = 3.10
= 3"

TABULAR FREEBOARD corrected for Flush Deck (if required) 14.53
Correction for coefficient Nil. 14.53
Depth Correction 7.16
Deduction for superstructures 7.62
Sheer correction 1.40
Round of Beam correction .12
Correction for Thickness of Deck amidships 9.95
Other corrections, scantlings, etc. 6... correspond to position of lower side scuttles 17.11
Summer Freeboard = 22.50

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

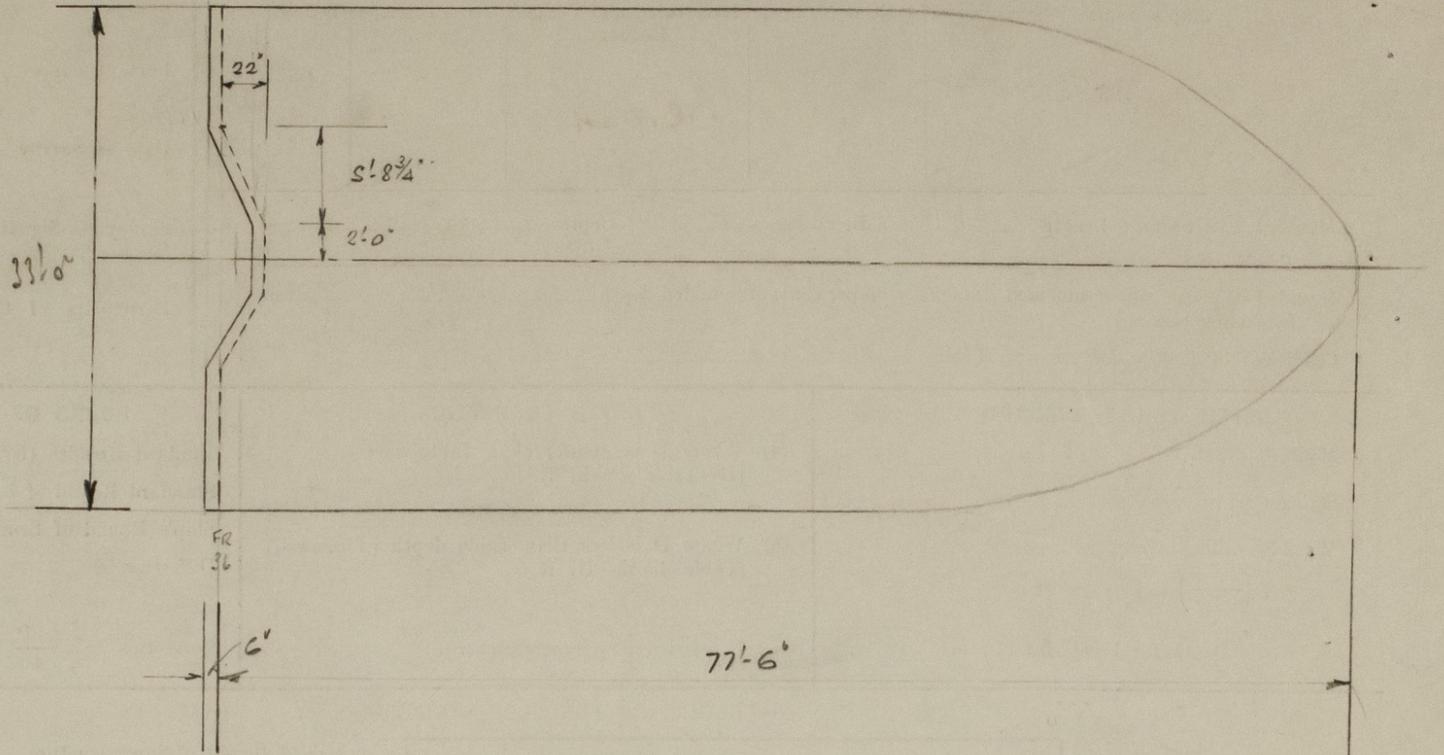
Table with columns: Line, Freeboard. Rows include Tropical Fresh Water Line above Centre of Disc, Fresh Water Line, Tropical Line, Winter Line below, Winter North Atlantic Line, Tropical Fresh Water Freeboard, Fresh Water, Tropical, Winter, Winter North Atlantic.

2 APR 1958

# Cautions.

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

## Forecastle



Equivalent length  
 less.  $\frac{1.83 \times 2.0 + 1.83 \times 5.7 \times \frac{1}{2}}{16.5}$

77.5  
 - .54  
76.96'

Trade of ship \_\_\_\_\_

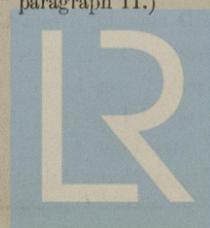
Names of sister ships \_\_\_\_\_

Builder's name and yard number \_\_\_\_\_

Owners \_\_\_\_\_

Fee £ : : \_\_\_\_\_

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)



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 Foundation