

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name **LA HAGUE** Official Number **4027** Nationality and Port of Registry **FRENCH NANTES** Gross Tonnage **4027** Date of Build **1947**
Port of Survey **GLASGOW**
Date of Survey **WHILST BUILDING**
Surveyor's Signature **A. Dickerson**
Moulded Dimensions: Length **395.59** Breadth **55.0** Depth **24.48**
Moulded displacement at moulded draught = 85 per cent. of moulded depth **8353** tons
Coefficient of fineness for use with Tables **68. (1.646 actual)**
Particulars of Classification **+100A.1 WITH FB⁰ CORRESPONDING TO A SUMMER MOULDED DRAUGHT OF 22'-2 1/4"**

DEPTH FOR FREEBOARD (D) **24.48**
Moulded depth **24.48**
Stringer plate **0.03**
Sheathing on exposed deck **T = (L-S)/L =**
Depth for Freeboard (D) **24.51**
DEPTH CORRECTION.
(a) Where D is greater than Table depth (D-Table depth) R = **0.03**
(b) Where D is less than Table depth (if allowed) (Table depth-D) R = **5.58**
If restricted by superstructures **1.86**
ROUND OF BEAM CORRECTION.
Moulded Breadth (B) **55.0**
Standard Round of Beam = $\frac{B \times 12}{50} = 13.20$
Ship's Round of Beam **FB⁰ DK = NIL**
Difference **13.20**
Restricted to **13.20**
Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L}\right) = 13.20 \times 0.99 = +0.3"$

DEDUCTION FOR SUPERSTRUCTURES.
Standard Height of Superstructure **7.46**
R.Q.D. **41.71**
Deduction for complete superstructure **41.71**
Percentage covered $\frac{S}{L} = 100$
Percentage from Table, Line A. + B **98.78**
(corrected for absence of forecastle (if required))
Percentage from Table, Line B. (corrected for absence of forecastle (if required))
Interpolation for bridge less than 2L (if required)
Deduction = $41.71 \times 98.78 = -41.20$
Poop enclosed **25.70**
R.Q.D. enclosed **25.70**
Bridge enclosed **360.25**
overhang aft **2.50**
overhang forward **1.88**
Fore enclosed **7.14**
overhang **7.5**
Trunk aft **3.88**
forward **3.88**
Tonnage opening aft **3.88**
forward **3.88**
Total **395.59**

SHEER CORRECTION.
Station Standard Ordinate S M Product Actual Ordinate Effective Ordinate S M Product
A.P. **49.56** 1 **49.56** **49.8** **68.52** 1 **68.52**
1/8 L from A.P. **22.055** 4 **88.22** **22.06** **30.495** 4 **121.98**
3/8 L **5.45** 2 **10.90** **5.62** **7.54** 2 **15.08**
Amidships **0** 4 **0** **0** **0** 4 **0**
3/8 L from F.P. **10.90** 2 **21.80** **10.94** **12.95** 2 **25.90**
1/8 L **44.11** 4 **176.44** **43.50** **52.39** 4 **209.56**
F.P. **99.12** 1 **99.12** **99.0** **117.72** 1 **117.72**
Total **446.04** **18.72** **558.76**
Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} - \frac{S_1}{2L} \right) = -1.57$
If limited on account of midship superstructure.

DEDUCTION FOR TROPICAL FREEBOARD.
Addition for Winter and Winter North Atlantic Freeboard.
Depth to Freeboard Deck = **24.51**
Summer freeboard = **2.32**
Moulded draught (d) = **22.19**
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = **5.55**
Addition for Winter North Atlantic Freeboard (if required) = **1.41**
DEDUCTION FOR FRESH WATER.
Displacement in salt water at summer load water line $\Delta = 9049$
Tons per inch immersion at summer load water line $T = 40.39$
Deduction = $\frac{\Delta}{T}$ inches = **5.60**
TABULAR FREEBOARD corrected for Flush Deck (if required)
Correction for coefficient **NIL**
Depth Correction **5.58**
Deduction for superstructures **41.20**
Sheer correction **1.57**
Round of Beam correction **0.03**
Correction for Thickness of Deck amidships **6.06**
Other corrections, scantlings, etc. **6.09**
Summer Freeboard = **27.87**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-
Tropical Fresh Water Line above Centre of Disc **283**
Fresh Water Line **142**
Tropical Line **141**
Winter Line below **141**
Winter North Atlantic Line **141**
Tropical Fresh Water Freeboard **42.5**
Fresh Water **56.6**
Tropical **56.7**
Winter **84.9**
Winter North Atlantic **84.9**

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.

Prop.

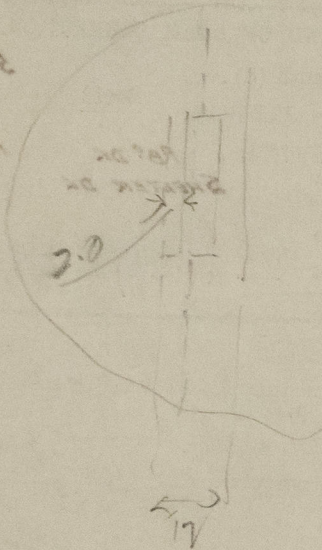
Length at centre = 23.34'

27.84 -
4.5 -
23.34 -

Side sections = $\frac{2 \times 9.8 \times 4.5}{37.34} = 2.36$

$\sqrt{25.70} = \text{equivalent length.}$

19.6
17.74
37.34



12
2.5
7.14
36
7.14

Trade of ship INTERNATIONAL

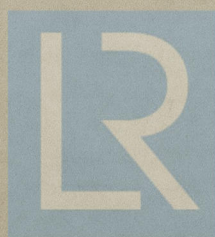
Names of sister ships -

Builder's name and yard number HARLAND & WOLFF LO NO 1343 G

Owners LE MINISTRE DES TRAVAUX PUBLICS DU GOUVERNEMENT DE LA REPUBLIQUE FRANCAISE

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