

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name NOTRE DAME DE FRANCE.	Official Number -	Nationality and Port of Registry FRENCH. BOULOGNE-SUR-MER	Gross Tonnage 433	Date of Build 1931-3.	Port of Survey LE HAVRE. Re-classification.
Moulded Dimensions: Length 150'-0" Breadth 26'-1" Depth 15'-3"					Date of Survey March to September 1946.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 15'-3" tons					Surveyor's Signature <i>Ag. [Signature]</i>
Coefficient of fineness for use with Tables 639 (68 minimum)					Particulars of Classification + 100 A1. Steam Trawler.

DEPTH FOR FREEBOARD (D). Moulded depth ... 15'-25" Stringer plate ... 38" ... 0'-38" Sheathing on exposed deck 3" P.P. $T \left(\frac{L-S}{L} \right) = 314 \cdot 25 \left(\frac{150-103 \cdot 93}{150} \right) = 0 \cdot 08$ Depth for Freeboard (D) = 15'-35"	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = 4.15 $(15 \cdot 36 - 10 \cdot 0) 1 \cdot 154 = + 6 \cdot 19$ (b) Where D is less than Table depth (if allowed) (Table depth-D) R = 6.07 If restricted by superstructures <input checked="" type="checkbox"/>	ROUND OF BEAM CORRECTION. Moulded Breadth (B) 26.08 Standard Round of Beam = $\frac{B \times 12}{50} = 6.26"$ Ship's Round of Beam = 8.00" Difference = 1.74" Restricted to Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{1.74 \times 307}{4} = -0.13$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	-	-	-	-	-
" overhang ...	-	-	-	-	-
R.Q.D. enclosed ...	77.75'	77.75'	9' .92	.92/3.333	21.46'
" overhang ...	-	-	-	-	-
Bridge enclosed ...	-	-	-	-	-
" overhang aft ...	-	-	-	-	-
" overhang forward ...	-	-	-	-	-
F'cle enclosed ...	26.18'	26.18'	6'-10 1/2"	✓	26.18'
" overhang ...	-	-	-	-	-
Trunk aft ...	-	-	-	-	-
" forward ...	-	-	-	-	-
Tonnage opening aft ...	-	-	-	-	-
" " forward ...	-	-	-	-	-
Total ...	103.93'	103.93'			47.64'

Standard Height of Superstructure **6'-0"**
 " " R.Q.D. **3.33** **3.333**
 Deduction for complete superstructure **21.0**
 Percentage covered $\frac{S}{L} = .693$ **69.29**
 " " $\frac{S_1}{L} = .693$ **69.29**
 " " $\frac{E}{L} =$ **31.76**
 Percentage from Table, Line A. **16.49**
 (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 = **21.0 × .1649 = -3.46**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	25.0	1		25.00	69.75	25.00	1		25.00
1/4 L from A.P. ...	11.13	4		44.52	28.30	11.13	4		44.52
1/2 L " ...	2.75	2		5.50	7.25	2.75	2		5.50
Amidships ...	0	4		0	-	-	4		-
3/4 L from F.P. ...	5.5	2		11.00	3.90	3.90	2		7.80
1/4 L " ...	22.25	4		89.00	16.90	16.90	4		67.60
F.P. ...	50.0	1		50.00	38.00	38.00	1		38.00
Total ...	116.63			225.02					188.42

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{36.60}{18} \left(.75 - \frac{34.64}{140.36} \right) = +.82"$
 If limited on account of midship superstructure. ☒ If limited to maximum allowance of 1 1/2 ins. per 100 ft. ☒

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to **RAISED QUARTER** Deck = **16.28** Ft.
 Summer freeboard = **2.50**
 Moulded draught (d) = **13.78**

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = $3.44 = 3 \frac{1}{2}"$

ion for Winter North Atlantic Freeboard (if required) = NOT ASSIGNED

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$
 Tons per inch immersion at summer load water line

T =

Deduction = $\frac{\Delta}{40 T}$ inches

$\frac{d}{4} = 3 \frac{1}{2}"$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **NIL**

Depth Correction ... **6.19**
 Deduction for superstructures ... **3.46**
 Sheer correction ... **.82**
 Round of Beam correction ... **.13**
 Correction for Thickness of Deck amidships ... **2.04**
 Other corrections, scantlings, etc. **9.00**

+	-
6.19	-
-	3.46
.82	-
-	.13
2.04	-
9.00	-
18.05	3.59

Summer Freeboard = **29.96 = 762 mms**

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

EXISTING FREEBOARDS	Tropical Fresh Water Line above Centre of Disc	NOT ASSIGNED	Tropical Fresh Water Freeboard
	Fresh Water Line	... 89 mms	Fresh Water
RE-ASSIGNED AT OWNERS REQUEST	Tropical Line	NOT ASSIGNED	Tropical
	Winter Line below	... 44 mms	Winter
	Winter North Atlantic Line	NOT ASSIGNED	Winter North Atlantic

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.

All alterations made to this Vessel during the requisitioning period have now been removed, and the Vessel has now been reconstructed in accordance with the original plans and scantlings supplied by the builders in 1931.

H. G. Pilditch
HGL. PILDITCH.
20th September 1946.

Trade of ship Steam Trawler.

Names of sister ships -

Builder's name and yard number Messieurs SMITH'S DOCK Co. No. 950.

D Owners GOURNAY Freres.

Fee £ 1-10-0 Frs 720.



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