Rpt. Cd1 (Comp.).

Peter de Bastalos 37962

17 MAY 1945

Index No. 37963
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
JOÃO ALVARES FAGUNDES	LX 18 N.	PORTUGUESE LISBON	1270·33.	1945

Port of Survey LISBON

Date of Survey May 1945

Surveyor's Signature G. Dixon.

Particulars of Classification + 100 A1 TRAWLER STRENGTHENED FOR NAVIGATION IN ICE. (Contemplated.)

Moulded Dimensions: Length 64.250 M. Breadth 11.000 M. Depth 5.700 M.

Moulded displacement at moulded draught = 85 per cent. of moulded depth 2230 M³. tons

Coefficient of fineness for use with Tables .68 (.651 actual)

DEPTH FOR FREEBOARD (D). M.

Moulded depth	5.700
Stringer plate	·011
Sheathing on exposed deck 65 m/m.	
$T\left(\frac{L-S}{L}\right)$ = ·065 × ·6923 =	·045
Depth for Freeboard (D) =	5.756 ~~5.711~~

DEPTH CORRECTION.

(a) Where D is greater than Table depth (D—Table depth) R = $8.33(5.756 - 4.283) \times 16.23 = +.199$ (1·473)

(b) Where D is less than Table depth (if allowed) (Table depth—D) R =

If restricted by superstructures

ROUND OF BEAM CORRECTION.

Moulded Breadth (B)	11.000
Standard Round of Beam = $\frac{B \times 12}{50}$ =	220
Ship's Round of Beam =	220.
Difference	Nil
Restricted to	
Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ =	Nil

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S_1)	Height	Height Correction	Effective Length (E)
Poop enclosed	6·740	6·740	2200	—	6·740
„ overhang	·150	·075		-	·075
R.Q.D. enclosed	✓				
„ overhang	✓				
Bridge enclosed	✓				
„ overhang aft ...	✓				
„ overhang forward...	12·060				
F'cle enclosed equivs ...	~~12·052~~	12·060	2200	—	12·060
„ overhang	~~·828~~	·410			·410
Trunk aft	~~·820~~				
„ forward	✓				
Tonnage opening aft ...	✓				
„ „ forward...	✓				
Total	19·770	19·285			19·285

Standard Height of Superstructure 1·830

„ „ R.Q.D. ✓

Deduction for complete superstructure ·688

Percentage covered $\frac{S}{L}$ = 30·77

„ „ $\frac{S_1}{L}$ = } 30·01

„ „ $\frac{E}{L}$ = }

Percentage from Table, Line A. 15·01

(~~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 = ·688 × ·1501 = — ·103

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	789	1	789	1849	1849	1	1849
$\frac{1}{6}$L from A.P. ...	351	4	1404	793	793	4	3172
$\frac{2}{6}$L „ ...	88	2	176	144	144	2	288
Amidships ...	—	4	—	—	—	4	—
$\frac{2}{6}$L from F.P. ...	175	2	350	243	243	2	486
$\frac{1}{6}$L „ ...	701	4	2804	1134	1134	4	4536
F.P.	1578	1	1578	2454	2454	1	2454
Total ...			7101				12785

Mean actual sheer aft / Mean standard sheer aft = } Excess

Mean actual sheer forward / Mean standard sheer forward = }

Length of enclosed superstructure / L forward of amidships = } Nil

„ „ aft of „ = }

Correction = $\frac{\text{Difference between sums of products}}{18}\left(\cdot 75 - \frac{S}{2L}\right)$ = $\frac{5684}{18}(\cdot 75 - \cdot 1538) = -\cdot 188$ (·5962)

If limited on account of midship superstructure. Yes. Nil.

If limited to maximum allowance of 1½ ins. per 100 ft. —

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freebroad.

	Ft.
Depth to Freeboard Deck =	5·776
Summer freeboard =	·750
Moulded draught (d) =	5·026

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48}$ inches = 105

Addition for Winter North Atlantic Freeboard (~~if required~~) = 155

Deduction for Fresh Water.

Displacement in salt water at summer load water line Δ = 2413

Tons per inch immersion at summer load water line T = 6·5

Deduction = $\frac{\Delta}{40\ T}$ inches = 93

TABULAR FREEBOARD ~~corrected for Flush Deck (if required)~~ 634

Correction for coefficient 634

	+	—
Depth Correction	199	—
Deduction for superstructures	—	103
Sheer correction	—	—
Round of Beam correction	—	—
Correction for Thickness of Deck amidships ...	20	—
Other corrections, scantlings, etc.	—	—
	219	103

+116

Summer Freeboard = 750

S.F. 18·5 - 4·5

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, ~~Steel~~, Deck :— 0·750 metre

Tropical Fresh Water Line above Centre of Disc	·198	Tropical Fresh Water Freeboard ...	0·552
Fresh Water Line „ „	·093	Fresh Water „ ...	0·657
Tropical Line „ „	·105	Tropical „ ...	0·645
Winter Line below „	·105	Winter „ ...	0·855
Winter North Atlantic Line „ „	·155	Winter North Atlantic „ ...	0·905

29 MAY 1945

5m T 11/41. M°C.

004502-004511-0205

JOÃO ALVARES FAGUNDES

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

12·805 ✓
2·275 ✓
10·530 ✓
1·530 ✓
12·060 ✓ enclosed

4/10 = 6·425 ✓

2 × 3·700 × 2·275 / 11

12·805 ✓
·075 ✓
12·880 ✓
12·060 ✓
·820 overhang ✓

Moulded Draft.	Displ.	Tonnes per Cm.
5170	2505	6.5
4700	2205	6.5
4230	1925	6.0.

Trade of ship Cod fishing trawler.

Names of sister ships Pedro de Barcelos (report herewith.)

Builder's name and yard number Cia. União Fabril 118

S Owners Sociedade Nacional dos Armadores de Bacalhau.

Fee £ . .