Lloyd's Register of Shipping
SURVEYS FOR FREEBOARD – STEAMERS
(Under the Provisions of the U.S.A. Load Line Act of March 2, 1929)

New York Office Index No. ....
Port of Survey .... New York ....
Date of Survey .... 10th Nov 1933 / 15th Jan 1934
Name of Surveyor .... W.S. Lowe

	Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. M.S.	"Atlantida"	Ceiba Honduras		4191	1924	✠ 100 A1. with freeboard
Number in Register Book.						

Owner. Standard Fruit & S.S. Corp.   Builder. Workman Clark & Co. Ltd.   Hull No. 472.

Moulded dimensions $348.85 \times 50' \times 31.5$, (85% = 26.77)
Moulded displacement at a moulded draught of 85 per cent. of moulded depth ... 6100 tons @ 20'.4 draught
Coefficient of fineness for use with tables ... 6 ... nec .68

DEPTH FOR FREEBOARD.

Moulded depth 131.50
Stringer plate ... .40
Sheathing in wells
$T\left(\dfrac{L-S}{L}\right)$ = .25 ... .22
$2.95 \times .8976 \cdot .264'' \cdot .22'$
Depth **D** = ... 31.72'

CORRECTION FOR DEPTH.

(a) When **D** is greater than $\dfrac{L}{15}$
$$\left(D - \dfrac{L}{15}\right) \times R = (31.72 - 23.26)\ \dfrac{348.85}{130} + 22.70 \checkmark$$

(b) When **D** is less than $\dfrac{L}{15}$ (if allowed).
$$\left(\dfrac{L}{15} - D\right) \times R = \quad \checkmark$$

If restricted by height of superstructures ✓ not restricted

CAMBER

Standard $\dfrac{50 \times 12}{50} = $ 12.0
Ship 12.0
Difference ... nil.
Restricted to
Allowance = $\dfrac{\text{Difference}}{4} \times \left(1 - \dfrac{S_1}{L}\right) = \checkmark$

SUPERSTRUCTURES.

	Mean Covered Length S.	Effective Length S₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward		63			66
F'cle (enclosed) ... open	35.75	27.88	6.51	$27.88 \times \dfrac{6.5}{7}$	25.89
" overhang					
Trunks forward					
" aft					
Tonnage opening					66
TOTAL =	35.75	34.63			2589

Length of ship (**L**) = 348.85   348.85
% Covered ... ... = 10.24'   7.36   7.42
Corresponding %, corrected for absence of forecastle if required $\}$ **A** = 3.71 / .68   **B** = .68 ✓
Correction for Bridge less than $\cdot2 L$ if required $\}$ Not required
Allowance ... = 38.59 × .0371 = −1.43

Standard Sheer Fwd.
1 . 89.77 × 1 = 89.77
1 . 39.94 × 3 = 119.82
1 . 9.87 × 3 = 29.61
0 × 1
239.20

Actual Sheer Fwd.
71 × 1 = 71.00
30.81 × 3 = 92.43
7.70 × 3 = 23.10
0 × 1
186.53

$186.53 \div 239.20 = .7798$
$35.75 \times .7798 = 27.848$
$\dfrac{L}{10} = 34.88$

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S.M.	Products.
A.P. 1	30.00	44.88	30.00	1	30.00
2	13.82	19.97	13.82	4	55.28
3	3.45	4.94	3.45	2	6.90
4				4	
5	7.70	9.87	7.70	2	15.40
6	30.81	39.94	30.81	4	123.24
F.P. 7	71.00	89.77	71.00	1	71.00

18) 301.82

If excess sheer forward and deficient sheer aft:— Deficient both ends.

$\dfrac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$

$\dfrac{\text{Actual sheer forward}}{\text{Standard sheer forward}} = \checkmark$

$\dfrac{\text{Length of enclosed superstructure}}{L}$

Forward of amidships = ✓
Aft of amidships =

Mean effective sheer ... ... = 16.77
Standard sheer $\cdot05 \textbf{L} + 5$ = = 22.44
Difference (**D**f) = 5.67
Allowance = **D**f × $\left(\cdot75 - \dfrac{S}{2L}\right) = 5.67 \times (\cdot75 - \cdot051) = + 3.96$
If limited on account of amidship superstructure ... = Not limited
If limited on account of excess sheer (1½ in. per 100 ft.) ... = Not limited

DRAFTS.

Moulded Depth **D** =	31' - 6"	
Stringer Plate (or Wood Deck) =	3"	
	31' - 9"	
Freeboard	11' - 6"	
Moulded draught	20' - 3"	
Addition for keel below base line	1¾"	
Extreme draught	20' - 4¾"	
△ Scale	20 - 4	

F. W. ALLOWANCE

Displacement = 6100
Tons per inch = 31
$\dfrac{6100}{40 \times 31} = 4.9$
Say 5.

TABULAR FREEBOARD (corrected for flush deck if required) = 56.18

Corrected for Coefficient $\dfrac{\cdot68 + \cdot68}{1.36} = 1 = 56.18$

		+	−
Correction for Depth		22.70	
" Superstructures			1.43
" Sheer		3.96	
" Camber		.36	
✶ " Thickness of deck			
" Scantlings, etc. ⊦ to agree with		56.23	
B.O.T. assignment and designed draught		83.25	1.43

+ 81.82
Summer Freeboard = 138.00

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

✶ D actual 31.75   Tropical Fresh Water Line (above center of Disc) ✓   Tropical Fresh Water Freeboard ...
D used 31.72   Fresh Water Line " " " 5" ✓   Fresh Water ...
.03 - .36   Tropical Line (below " ") ✓   Tropical ✓
Winter Line (below " ") ✓   Winter ✓
Winter North Atlantic Line " " " ✓   Winter North Atlantic ✓

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Note:—The Rules referred to below are the Load Line Regulations of the United States Department of Commerce.
(These should be consulted when completing the report.)

Is the poop or raised quarter deck connected with the bridge? _No - Fore & Bridge House only_
Has the poop or raised quarter deck an efficient steel bulkhead at the fore end? _✓_
Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44) _✓_
Give particulars of the means of closing the openings in this bulkhead _✓_
Has the bridge an efficient steel bulkhead at the fore end? _✓_
Give particulars of the means of closing the openings in this bulkhead _✓_
Has the bridge an efficient steel bulkhead at the after end? _✓_
Give particulars of the means of closing the openings in this bulkhead _Open_
Has the forecastle an efficient steel bulkhead at the after end? _Steel deck house_
Give particulars of the means of closing the openings in this bulkhead, or enclosed by a strong steel deckhouse?
Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse? _✓_
If the openings are not so protected, are the exposed parts of the casing efficiently constructed? _✓_
Give thickness of plating, scantlings and spacing of stiffeners
Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)? _Yes_

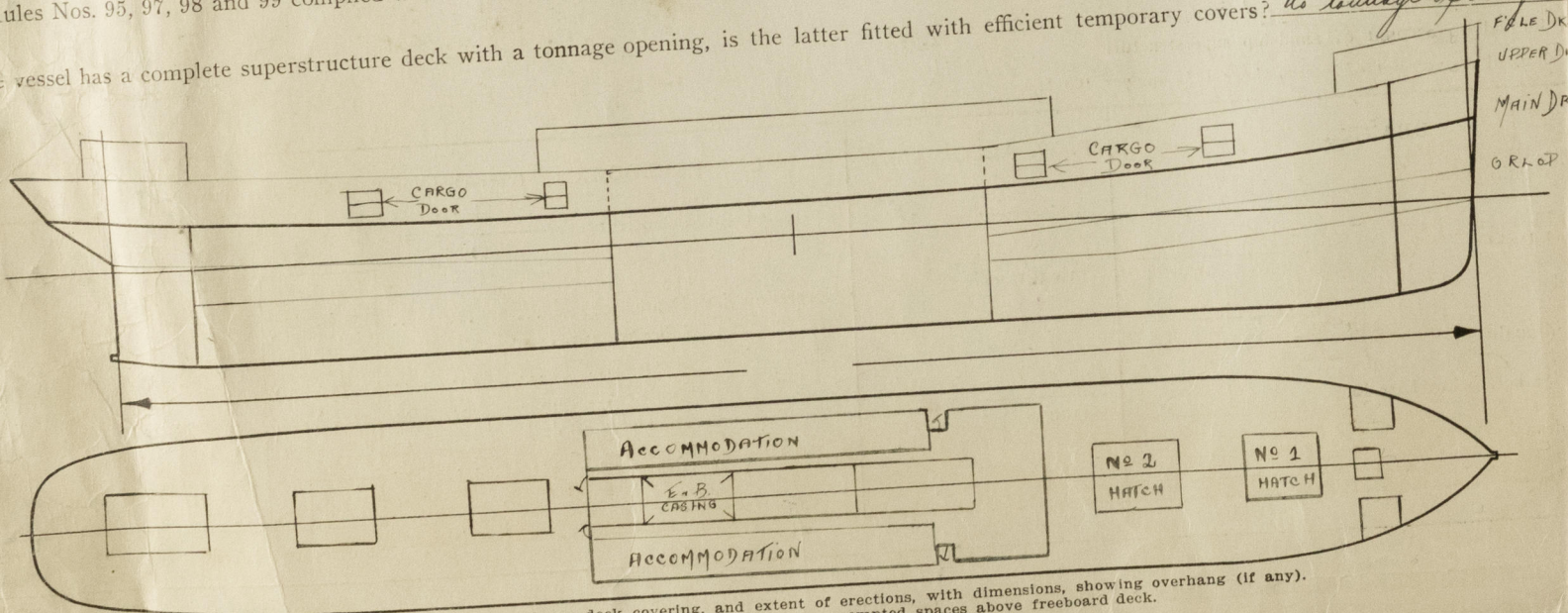### Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating	✓	✓	✓	✓
Scantlings of stiffeners				
Spacing of stiffeners, and if bracketed				
Height of sills of openings above deck				

Particulars of weather deck hatchways.
(In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances, or in open bridges).

Position and Size.	No 1 22'-6" x 16'-0"		No 2 27'-6" x 16'-0"		No 3 20'-0" x 16'-0"		No 4 25'-0" x 16'-0"					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	18"		15"		15"		15"					
COAMING. Thickness Sides	.44		.44		.44		.44					
COAMING. Thickness Ends	.44		.44		.44		.44					
SHIFTING BEAMS OR WEB PLATES. Number	4		4		3		4					
SHIFTING BEAMS OR WEB PLATES. Section and Scantlings	12" x 6" x .48" Channel Steel		13" x 6" x .48" Channel Steel		13" x 6" x .48" Channel Steel		12" x 6" x .48" Channel Steel					
SHIFTING BEAMS OR WEB PLATES. Material												
* FORE AND AFTERS. Number			None									
* FORE AND AFTERS. Section and Scantlings												
* FORE AND AFTERS. Material	2½" Wood		2½" Wood		2½" Wood		2½" Wood					
HATCHES Thickness	Good		Good		Good		Good					
Remarks												

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable? _Yes_
Are hatchway coamings stiffened in accordance with Rule 9? _Yes_ _✓_
Length of bulwarks in wells—forward: _✓_ feet; aft: _✓_ feet. _✓_
Area of freeing ports required by regulations (Rules 30 and 100) forward: _✓_ sq. ft.; aft: _✓_ sq. ft. _✓_

No. Ft. × Ft.

Particulars of freeing ports fitted on each side of vessel { forward ~~well~~ } _Open rails_ = _____ sq. ft.
{ after ~~well~~ } _✓_ = _____ sq. ft.

Are Rules 23 and 24 complied with as far as practicable? _Yes_
Are air pipes to tanks in accordance with Rule 25? _Yes_
Are all scuppers and sanitary discharge pipes in accordance with Rule 27? _Yes_
Are the crew berthed in the forecastle? (Rule 96). _✓_
In oil tankers, what is the extent of the fore and aft gangway? _✓_ State spacing of supports _____ feet. _✓_
Is the gangway strong and efficiently braced fore and aft?
In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100) _✓_
Are Rules Nos. 95, 97, 98 and 99 complied with as far as practicable? _✓_

If the vessel has a complete superstructure deck with a tonnage opening, is the latter fitted with efficient temporary covers? _No tonnage opening._

FORE DK
UPPER D
MAIN D
G.R. & P

CARGO Door

CARGO Door

ACCOMMODATION
E & B CASING
ACCOMMODATION
No. 2 HATCH
No. 1 HATCH

indicate thickness and extent of any deck covering, and extent of erections, with dimensions, showing overhang (if any).
Indicate position of scuppers from tonnage-exempted spaces above freeboard deck.

Sister vessels:

Fee: _£70.00_ Expenses (if any) _2.50 expenses_

(Signed) _J. G. House_
Surveyor to Lloyd's Register of Shipping