

Share 31927
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 Rpt. 11b.

NEWCASTLE-ON-TYNE

no: 281844
 26 SEP 1927

Index No. 32484
 (For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **NEWCASTLE-ON-TYNE**
 Date of Survey **22nd Sept. 1927**
 Name of Surveyor **John Smalay**

Ship's Name. PERIJA Palmer's 976. Number in Register Book	Port of Registry and Nationality. Newcastle UK	Official Number. 149445	Gross Tonnage.	Date of Build. 1927	Particulars of Classification. +100 A.I. Carrying petroleum in bulk contemplated
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Registered dimensions from Ship's Register.	LENGTH. 305	BREADTH. 50.2	DEPTH. 16.3	UNDER DECK TONNAGE. 1887.61
Length on LOADLINE.	305	Frame Depth ^{mean} 10" Rule " 5/8" Average 10" No sparling +33	No Ceiling + 20" Sheer - 65" none except fore hold	Peak Tanks Deep floors in E+3 +26'6"10"
CORRECTED DIMENSIONS.	305.0	49.70	15.85	1914.21

Moulded Depth as measured... **16'-6"**
 Addition for Keel below base line for draught record.....inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness..... **.797**
 Any modification necessary } **Longitudinal Framing**
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected **.81**

CORRECTION FOR LENGTH
 Length of Ship on Loadline... **305**
 Length in Table **198**
 Difference **10.7**
 Correction for 10ft., Table A. **1.0** Table C. ✓
 × Difference divided by 10 **10.7** (if required.)
 If 1/10ths length covered divide by 2 **5.35**
+ 5 1/4"

Sheer { Stem..... **54'**
 at { Sternpost ... **30'** } **84' ÷ 2 = 42'** ...Mean **36 23.5**
 Sheer at 1/2 of the length from { Stem **6 1/2'**
 Sternpost **6 1/2'** } **13' ÷ 2 = 6 1/2'** ...Mean
 Gradual mean Sheer **plotted 17.00**
 Standard mean Sheer [Table, Para. 18] **40.50** Correction
 Difference..... **23.50 ÷ 4 = 5.87** **+5 3/4"**
 § If limited as Para. 18 (f) **76'-3" abaft**
Sheer is level (parallel to base) for 167'-9" ie for 91'-6" forward

P.B.F. = .391 Trunk .331
 CORRECTION FOR IRON DECK.
 Proportion covered, if less than 1/10ths length covered
 Thickness of usual wood deck, less stringer **no wood deck**
3 1/2" **- 3 1/2"**

Rise in Sheer { At front of bridge house.....
 from amidships }
 [Para. 18 (e)] { At after end of forecastle ✓
 Fall in Sheer }
 Para. 18 (d) } ÷ 2 = ✓
 Length uncovered Correction

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships... **50.0**
 Round of Beam **12 1/2"**
 Normal round..... **12 1/2"**
 Difference ÷ 2 =
 Proportion of Deck uncovered (Para. 19) ✓

NOTE.— The round of beam should be reported when the full breadth of vessel at the gunwale.

ALLOWANCE FOR DECK ERECTIONS :—
 Freeboard, Table C..... **0'- 9 1/2"**
 Correction for Length, if required (Para. 12, 13, and 14) ✓
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } **3'- 5 1/2"**
 Difference **2'- 8"**
 Percentage as below..... **45.6%**
 Trunk I. $18.0 \times \frac{25.5}{50} \times 8 = 7.34$
 II. $153.0 \times \frac{30}{50} \times 8 = 73.44$
80.78
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓
 Allowance for Deck Erections **1'- 2 1/2"**

Freeboard, Table A **2'- 11 3/4"**
 Correction for Sheer **+ 5 3/4"**
3'- 5 1/2"
 Correction for Length **+ 5 1/4"**
3'- 10 3/4"
 Allowance for Deck Erections **- 1'- 2 1/2"**
2'- 8 1/4"
 Correction for Round of Beam..... ✓
 Correction for fall in Sheer (if any)..... ✓
 Correction for Steel Deck (if required) **- 3 1/2"**
2'- 4 3/4"
 Additions for non-compliance with provisions of }
 Para. 11 (d) and (e) † } ✓
 Other Corrections (if any) ✓
 Winter Freeboard **2'- 4 3/4"**
 Summer Freeboard **2'- 2 1/2"**
 Indian Summer Freeboard **2'- 0 1/4"**
 N. A. Winter Freeboard **2'- 6 3/4"**

	Length.	Length allowed.	Height.
Forecastle.....	33' * 3	33.30	7'-3"
Bridge House	22.0	11.00	7'-3"
† Raised Qr. Dk. under bridge	203.0 171.0	80.78	7'-3"
Poop.....	68.7 78.7	75.10	7'-3"
Total	200.18	= 656	
Length of Ship	305	305	
Corresponding percentage (Para. 11, 12, 13, or 14) }	45.6%		

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. **1 3/4"**
 Winter Freeboard from deck line **2'- 6 1/2"**
 Summer " " " " **2'- 4 1/4"**
 Indian Summer " " " " **2'- 2"**
 N. A. Winter " " " " **2'- 8 1/2"**

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :—
 Fresh Water Line above centre of Disc
 Indian Summer Line " " " "
 Winter Line below " " " "
 Winter North Atlantic Line " " " "

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† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
 † In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant 1/10th of the vessel's length from stem and sternpost.

RECEIVED
 21 SEP 1927

Longitudinal framing as appd.

Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?

To what height do the Reverse Frames extend?

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes as sketch*

Give particulars of the means for closing the openings in Bulkhead *no openings*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *yes by trunk* Has the Bridge House an efficient Bulkhead at the fore end? *no open clear of trunk*

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?

Has the Bridge House an efficient Iron Bulkhead at the after end? *no, open clear of trunk*

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *see sketch*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by poop.*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed?

Give thickness of plating; scantlings and spacing of Stiffeners

What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather?

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below: *yes all steel oil tight covers as rule*

Position and Size.		No 1 to fore hold on top of trunk									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING	Height above top of deck		9"								
	Thickness	Sides	9 x 3 1/2 x 40								
		Ends	BA.								
SHIFTING BEAMS OR WEB PLATES.	Number										
	Section and Scantlings										
	Material										
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES	Thickness	30 plate									
	Remarks	3 FIA stiffeners 2 at 5 x 3 1/2 x 40 1 at 6 x 6 x 40	Angles								

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)
 The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

Sheer

FP	54.0	1	54.0
1/2	6.5	4	26.0
1/4	-	2	-
3/8	-	4	-
1/2	-	2	-
3/8	-	4	-
1/4	-	2	-
1/8	6.5	4	26.0
AP	30.0	1	30.0
			<u>8136.0</u>
			17.0 = Mean end sheer.

What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?

Delete the words The Crew are, are not, berthed in the bridge house.
 that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *open rails*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	
x	x	x	x	x	Freeing Ports (each side of vessel) = Sq. ft.
x	x	x	x	x	

Total deficiency or excess = Sq.-ft.

Poop Exclusion

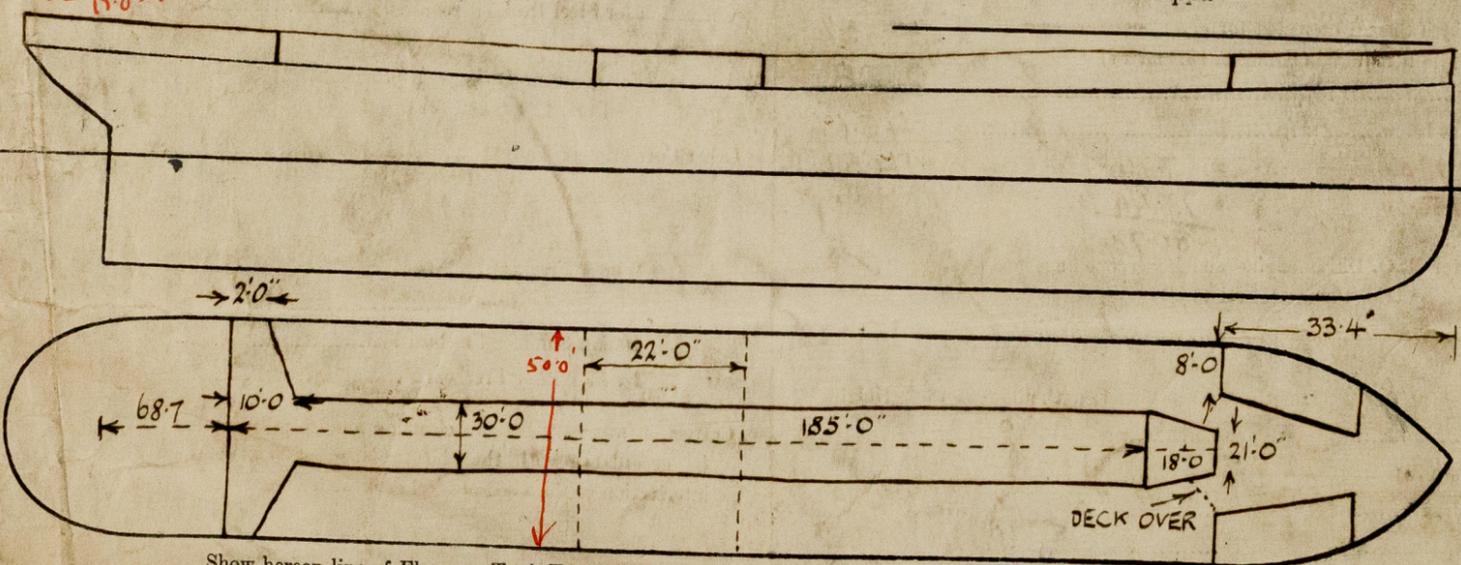
$80 \times \frac{30}{50} = 4.8$

$40 \times \frac{20}{50} = 1.6$

6.4

Poop 68.7

allowed 75.1



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel

Builder's name and yard number "PERIJA" Palmers S.B. and S. Co. Ltd NO 976.

Names of sister vessels "SUCRE" (80416) "BOLIVAR" (81454)

Owners Provisional (for voyage out) Palmers SB & S Co Ltd

Address Gulf Refining Co

Fee £ 7 : 6 : 8 Received by me *Le H. K...*

