

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 West Hartlepool
Date of Survey Whilst building
Name of Surveyor A. Pickworth

Ship's Name. FIRBY Gray's No 979
Port of Registry and Nationality. West Hartlepool
Official Number. 139238
Gross Tonnage. 4860
Date of Build. 1926
Particulars of Classification. 100 A.1. Contemplated Revised Rules

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>390.00</u>	<u>55.00</u>	<u>26.55</u>	<u>4639.83</u>
Length on LOADLINE.	<u>390.00</u>	Frame Depth <u>12</u> Rule " <u>6</u> <u>2x6 = -1</u> <u>Cargo Ballens Filled</u>	No Ceiling + <u>.20</u> Sheer + <u>.73</u>	Peak } Incl. Tanks }
CORRECTED DIMENSIONS.	<u>390.00</u>	<u>54.00</u>	<u>27.48</u>	<u>4639.83</u>

Moulded Depth as measured 28'9"
Addition for Keel below base line for draught record 1 1/2 inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline 390
Length in Table 345
Difference 45
Correction for 10ft., Table A. 1.5 Table C.
x Difference divided by 10 6.75 (if required.)
If 10ths length covered divide by 2 +3 3/4 3 3/8 Sag + 3 1/2

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered 3 1/2
Thickness of usual wood deck, less stringer - 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 54.3 1/2
Round of Beam 13.75
Normal round 13.58
Difference 1.18 ÷ 2 = .59
Proportion of Deck uncovered (Para. 19) ✓

NOTE - The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness .80
Any modification necessary [Para. 4 (a) to (e)] ✓
Co-efficient as corrected .78

Sheer { Stem 102
at { Sternpost 48 } 150 ÷ 2 = 75 ... Mean 75.23
Sheer at 1/2 of the length from { Stem 56.25
Sternpost 26.5 } 82.75 ÷ 2 = 41.375 ... Mean 41.375
Gradual mean Sheer 75.12 41.375 = 75.23
Standard mean Sheer [Table, Para. 18] 49.00
Difference 26.12 ÷ 4 = 6.53
If limited as Para. 18 (f) = - 6 1/2

Rise in Sheer { At front of bridge house ✓
from amidships { At after end of forecastle ✓
[Para. 18 (e)]

Fall in Sheer { ÷ 2 =
Para. 18 (d) ✓
Length uncovered ✓ Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C. 3.11
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) 6.6 3/4
Difference 2.7 3/4
Percentage as below 54.4% 17.24

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections - 1.5 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>40'3"</u>	<u>40.25</u>	<u>7.6</u>
Bridge House.....	<u>220'0"</u>	<u>220.00</u>	<u>7.6</u>
Raised Qr. Dk.....	<u>29'7 1/2"</u>	<u>29.62</u>	<u>7.6</u>
Poop.....	<u>29'7 1/2"</u>	<u>29.62</u>	<u>7.6</u>
Total.....		<u>289.87</u>	<u>74.4 1/2</u>
Length of Ship.....		<u>390.00</u>	

Corresponding percentage { 54.4%
(Para. 11, 12, 13, or 14)

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 " " " ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side. 1 3/4

Winter Freeboard 5.18 1/4
Summer Freeboard 4.87 1/2
Indian Summer Freeboard 4.28 1/4
N. A. Winter Freeboard ✓

Winter Freeboard from deck line 5.3 1/2
Summer " " " 4.9 1/2
Indian Summer " " " 4.4 1/2
N. A. Winter " " " ✓

26 MAY 1926

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 one-eighth of the vessel's length from stem and sternpost.

State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

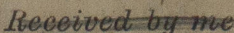
FW = 11645 = 6.69
HS = 435740

WSS1-0239

Lloyd's Register
RECEIVED 10 JUN 1926
Foundation

Position and Size.		No 1. 27'6" x 20'0"	No 2 27'6" x 20'0"	No 3 16'0 3/4" x 20'0"	No 4 27'6" x 20'0"	No 5 27'6" x 20'	No 6 16'0 3/4" x 20'
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK Thickness { Sides..... Ends.....		31 -	31 -	31 -	31 -	31 -	31 -
		48 -	48 -	44 -	48 -	48 -	44 -
		44 -	44 -	44 -	44 -	44 -	44 -
SHIFTING BEAMS OR WEB PLATES. { Number Section and Scantlings Material		4 - Plate 19- 9 1/2 x .37 4 Angles 4 x 3 x .44	4 - Plate. 14 1/2 - 7 1/4 x .34 4 Angles 4 x 3 x .44	2 - Plate 14 - 7 x .34 4 Angles 4 x 3 x .44	4 - Same as No 2	4 - Same as No 1	2 - 19-9 1/2 x .36 4 angles 4 x 3 x .44
	* FORE AND AFTERS. { Number Section and Scantlings Material		✓	✓	✓	✓	✓
	HATCHES Thickness	3" throughout	Satisfactory				
Remarks.....							

Total deficiency or excess = Sq. ft.



A request form is forwarded Resewitz.
Copies of approved plans are in the London Office.