

004055-004061-0262

Newcastle-on-Tyne No. 88998.

12 AUG 1932

Index. No. 31140  
(For London Office only.)

Rpt. C.11.

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, ~~Sailing Ship, Tanker~~  
having Raised Quarter Deck and Forecastle.

Port of Survey Newcastle-on-Tyne

Date of Survey 10th August 1932

Name of Surveyor Chapman

Particulars of Classification \*100 A1  
S.S. Sld. No. 1-30

(Type of Superstructures.)

Ship's Name SHERWOOD

Nationality and Port of Registry British London

Official Number 147701

Gross Tonnage 1556

Date of Build 1924.8

Moulded Dimensions: Length 248'0" ✓ Breadth 36'6" ✓ Depth 18'1" ✓

Moulded displacement at moulded draught = 85 per cent. of moulded depth 3154 tons

Coefficient of fineness for use with Tables .794 ✓

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth ... .. 18.08	(a) Where D is greater than Table depth (D-Table depth) R = (18.12 - 16.53) 1.907 = +3.03	Moulded Breadth (B) 36.50 Standard Round of Beam = $\frac{B \times 12}{50} = 8.76$ Ship's Round of Beam = 9.4 ✓ Difference .49
Stringer plate ... .. .04	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Difference .49
Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ ✓	If restricted by superstructures ✓	Restricted to
Depth for Freeboard (D) = 18.12 ✓		Correction = $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) = \frac{.49}{4} \times .1413 = -.03$

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... .. ✓					
„ overhang ... ..					
R.Q.D. enclosed ... ..	186.64	186.52	3' 7"	3.58	167.36
„ overhang ... ..					
Bridge enclosed ... .. ✓					
„ overhang aft ... ..					
„ overhang forward ... ..	25' 4 1/2"	25.37	7' 0"		25.37
Forecastle enclosed ... ..	27' 6"	1.06			1.06
„ overhang ... ..	2' 1 1/2"				
Trunk aft ... ..					
„ forward ... ..					
Tonnage opening aft ... ..					
„ forward ... ..					
Total ... ..	214.02	212.95			193.79

Standard Height of Superstructure 6.0

„ „ R.Q.D. 3.99

Deduction for complete superstructure 30.80

Percentage covered  $\frac{S}{L} = 86.30\%$

„ „  $\frac{S_1}{L} = 85.87\%$

„ „  $\frac{E}{L} = 78.14\%$

Percentage from Table, Line A. 73.01%  
(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 = 30.80 x .7301 = -22.49

## SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ... ..	34.80	1		34.80	37	37.00	1		37.00
1/2 L from A.P. ... ..	15.48	4		61.92	17	16.59	4		66.36
2/3 L „ ... ..	3.83	2		7.66	4 1/2	4.15	2		8.30
Amidships ... .. ✓		4					4		
2/3 L from F.P. ... ..	7.66	2		15.32	8	8.05	2		16.10
1/2 L „ ... ..	30.97	4		123.88	32	32.19	4		128.76
F.P. ... ..	69.60	1		69.60	74	74.00	1		74.00
Total ... ..				313.18					330.52

Mean actual sheer aft = Excess  
Mean standard sheer aftMean actual sheer forward = Excess  
Mean standard sheer forward

Length of enclosed superstructure forward of amidships = 7.1

„ „ aft of „ = 5.0

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{75-S}{2L} \right) = \frac{17.34}{18} \times (75 - \frac{4315}{2}) = -.31$ 

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 Freeboard Deck = 21.70 ✓

Summer freeboard = 4.81 ✓

Moulded draught (d) = 16.89 ✓

## Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = 4.22 = 4 1/4 ✓

## Addition for Winter North Atlantic Freeboard (if required) = 2

## Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ = 3504

Tons per inch immersion at summer load water line

T = 18.33

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

= 4.78

= 4 3/4 ✓

## TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient  $\frac{794 + 68}{1.36} = \frac{1474}{1.36}$ 

+ -

Depth Correction ... .. 3.03 ✓

Deduction for superstructures ... .. 22.49 ✓

Sheer correction ... .. .31 ✓

Round of Beam correction ... .. .02 ✓

Correction for Thickness of Deck amidships ... .. 43.00 ✓

Other corrections, scantlings, etc. ... ..

46.03 22.82 + 23.21

Summer Freeboard = 57.78 ✓

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

Tropical Fresh Water Line above Centre of Disc ... 9"

Fresh Water Line „ „ ... 4 3/4"

Tropical Line „ „ ... 4 1/4"

Winter Line below „ „ ... 4 1/4"

Winter North Atlantic Line „ „ ... 6 1/4"

Tropical Fresh Water Freeboard ... .. 4' 9 3/4" ✓

Fresh Water „ „ ... 4' 0 3/4" ✓

Tropical „ „ ... 4' 5" ✓

Winter „ „ ... 4' 5 1/2" ✓

Winter North Atlantic „ „ ... 5' 4" ✓

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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway		Upper Deck		Raised Or. Deck		Lower Deck		Lower Deck	
Dimensions of Hatchway		No.1.	No.2.	No.3.	No.4.	Escape Hatch	Bunker Hatch	Coal Hatch	After Peak
COAMINGS	Height above Deck	34'0" x 26'0"	36'0" x 26'0"	28'0" x 25'6"	28'0" x 25'6"	40'2" x 1'4"	20'4" x 1'1"	5'0" x 1'4"	3'0" x 3'0"
	Thickness	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Stiffeners	7 x 3 B.A.	7 x 3 B.A.	7 x 3 B.A.	7 x 3 B.A.	2 1/2"	30"	48"	18"
	Brackets, Stays	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"	3 stay 1/2"
	Bearing Surface	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
HATCH BEAMS	Number	6	7	5	5	5	5	5	5
	Spacing	4'8 1/2"	4'6"	4'8"	4'8"	4'8"	4'8"	4'8"	4'8"
	Scantling and Sketch	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"
	Sketch								
	Bearing Surface	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
FORE AND AFTERS	Number	6	7	5	5	5	5	5	5
	Spacing	4'8 1/2"	4'6"	4'8"	4'8"	4'8"	4'8"	4'8"	4'8"
	Scantling and Sketch	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"	20'6" x 10'2"
	Sketch								
	Bearing Surface	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
HATCH COVERS	Material	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.
	Thickness	3"	3"	3"	3"	3"	3"	3"	3"
	How fitted	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.
	Bearing Surface	3'5" x 10"	3'5" x 10"	3'5" x 10"	3'5" x 10"	3'5" x 10"	3'5" x 10"	3'5" x 10"	3'5" x 10"
	Sketch								
Spacing of Cleats		25"	24"	24"	24"	22"	22"	22"	22"
Number of Tarpaulins		2	2	2	2	2	2	2	2

Are wood fore and afters steel shod at all bearing surfaces? *Yes.*  
 Are batten and wedges efficient and in good condition? *Yes.*  
 Are tarpaulins in good condition and in accordance with rule requirements? *Yes.*  
 Are lashings provided in accordance with rule requirements? *Yes.*

Particulars of fiddle, funnel and ventilator coamings:— *Fidley gratings fitted with hinged steel covers. ✓*  
*Funnel and Ventilators in good condition. ✓*  
*E. R. Skylight of steel, strong construction. 1/4" wood skylight flaps. ✓*

Particulars of Flush Bunker Scuttles:—

*none. ✓*

Particulars of Companionways:—

*2, in strong steel deck house to crew's accommodation with 1 1/4" wood doors. ✓*  
*with 1/4" plates: openings 4'-11" x 2'-4": 20" sill: Doors operated from both sides. ✓*  
*Hinges of port side door require repair. ✓*

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

*Forecastle deck. 1 @ 8 1/2" dia. 26" high. 3/4" to fore peak. ✓*  
*1 @ 16" " 28" " 3/4" " Hold. ✓*  
*Raised Or. Deck. 1 @ 16" " 34" " 3/4" " Bunkers. ✓*  
*2 @ 11" " 35" " 3/4" " Hold. ✓*  
*1 @ 16" " 36" " 3/4" " Hold. ✓*  
*1 @ 11" " 36" " 3/4" " Tunnel. ✓*  
*Ventilators filled with wood plugs and canvas covers. ✓*

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

*On upper deck inside Forecastle. 1 @ 2 1/2" dia. flush with deck with metal screw cap. ✓*  
*1 @ 3" " 6" to mouth to C. O. B. ✓*  
*Raised quarter deck. 4 @ 3" dia. 5'0" to mouth to C. O. B. ✓*  
*18" high After peak hatch on R. Q. D. 1 @ 4" dia. 8 1/2" to mouth (26 1/2" above deck) to after peak. ✓*  
*wood plugs provided for closing all air pipes. ✓*

Particulars of Gangway Cargo and Coaling Ports:—

*none. ✓*

Scuppers and Sanitary Discharge Pipes:—

*All sanitary discharges have storm valves at shell. ✓*  
*See page 4 for positions.*

*1 pipe scupper P.S. from crew's accom. below raised quarter deck led to E.R. bilges with metal screw-down cap at deck. ✓*

Side Scuttles:—

*Side lights to crew accommodation filled with hinged deadlights. ✓*

Guard Rails:—

*Forecastle deck. Rails 3'-3" high: 2 rows: stanchions 4'-2" to 4'-6" apart. ✓*

*1. Stanchion on starboard side requires to be repaired. ✓*

Gangways, Lifelines, etc.:—

*none.*

*Crew amidships.*

*Steel wire lifelines fitted from Bridge to Forecastle bulkhead over hatchway, suitable for either side of ship. ✓*

## Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
R. Q. D. ...	186' 52"	3' 3 1/2"	4 @ 3'-0" x 1'-8"	7	34.46 sq ft	37.30 sq ft
... ..	161' 11"	4' 2"	2 @ 2'-11" x 1'-8"	3	13.84 sq ft	9.9 sq ft

Position and height above deck edge) After Well: 15'-6": 33'-4": 68'-4": 68'-6": 100'-6": 118'-0": 136'-10": 12' above deck.  
 Forward Well: 6'-3": 16'-3": 26'-2": 13 1/2" above deck. ✓  
 The freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— *All ports rectangular, filled with spiral plate shutters + 1 hinge rod. ✓*  
 Area where sheer is less than standard.

## Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
ad ... ..	✓							
ar Deck Bulkhead ...	✓	3/4"	3 1/2 x 3 1/2 x 36"	26"	✓			
Bulkhead ... ..	✓							
ard Bulkhead ... ..	✓							
lkhead ... ..	✓	28"	3' x 3' x 28"	28"	✓	10'5'2" x 4'-1"	18'	7'-0"
rd ... ..	✓							
inery Casings on Free-								
ised Quarter Decks ...	✓	3/4"	F.R. 3' x 3' x 36"	26"	✓	2 @ 4'-4" x 23"	20"	7'-9"
inery Casings on Super-			B.R. 3 1/2 x 3' x 38"			2 @ 4'-10" x 24"	15 1/2"	
ecks ... ..								
ings within Superstruc-								
ted with Class I Closing								
... ..								
Flush Deck Ships ...								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Deck Bulkhead ...	✓
Bulkhead ... ..	✓
ld Bulkhead ... ..	✓
head ... ..	✓
inery Casings on Free-	✓
sed Quarter Decks ...	✓
inery Casings on Super-	✓
ecks ... ..	✓
ings within Superstruc-	✓
ted with Class I Closing	✓
... ..	✓
on Flush Deck Ships ...	✓

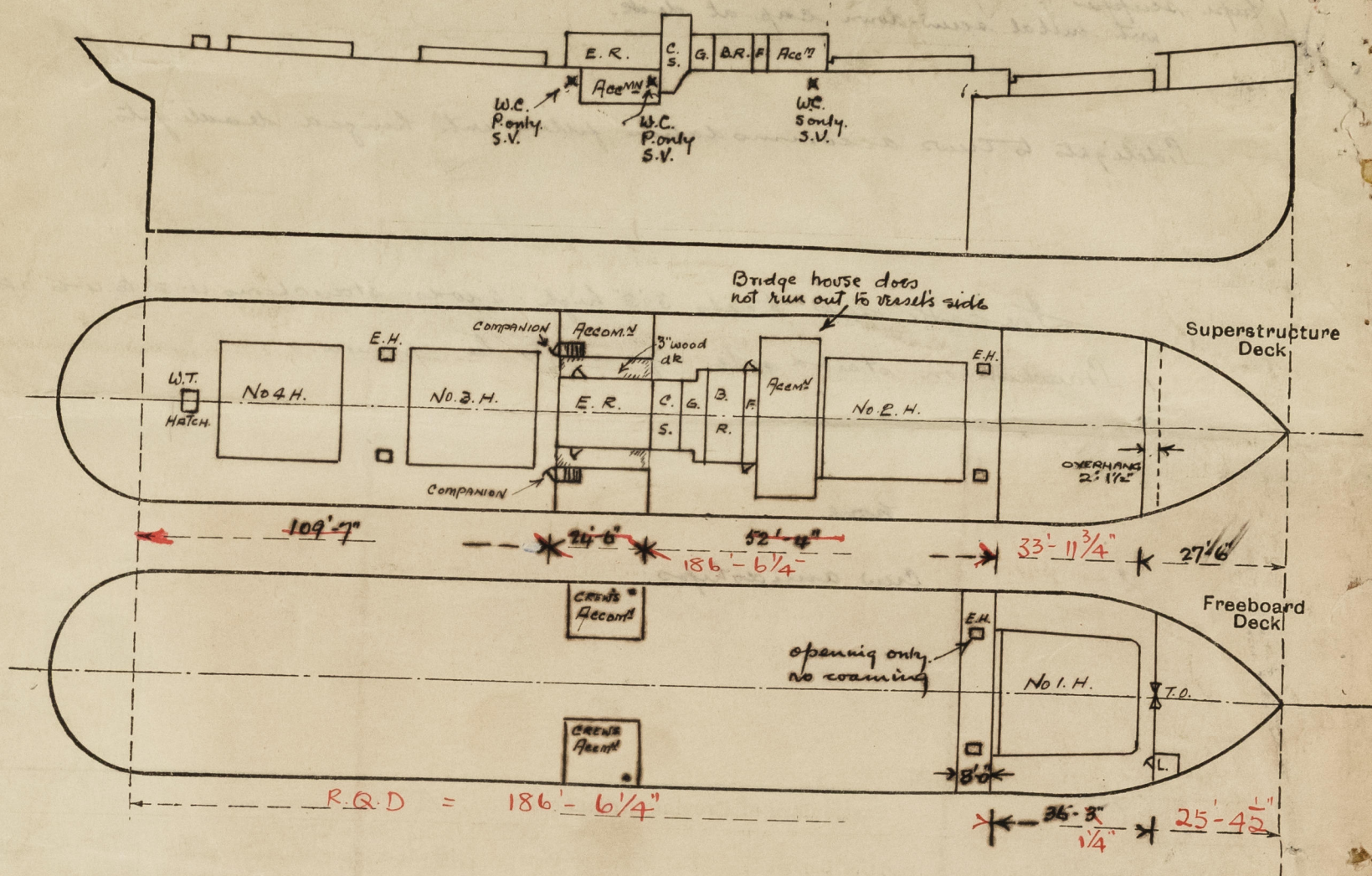
*No openings*

*2 1/4" weather board in mid Channel full height of openings. ✓*  
*3 ordinary steel hinged doors. New doors required. ✓*  
*2 steel doors hinged: 1 1/2 frame 1/2 panel operated from both sides protected by side houses. ✓*

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Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:—



State any special features in the construction of the ship:—

Vessel measured afloat.  
No timber argument required

This vessel has been purchased by W. France, Fenwick & Co. Ltd and as far as the Superintendent knows the name and port of Registry remains unchanged.

16'-6" 3380  
16'-9" 3435  
17'-0" 3490

F.W.  
Keel = 16'-10 3/4"  
17'-0 3/4" 3504

85% held. = 15.37  
= 15'-4 1/2"  
Keel = 15'-6 1/2"  
16'-6" 3380  
15'-6 1/2" 3169  
11 1/2" x 18.33 = 211  
15  
3154

Builder's name and yard number Craig Taylor & Co Ltd Stockton

Names of sister ships

Owners H. Harrison (Shipping) Ltd (W. France Fenwick & Co Ltd)

Fee £ 9 : 7 : - Received by me