

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 *17 May 1920*
Name of Surveyor

Ship's Name *van Hunter & W Richardson*
No *1173, 1177, 1179, 1181*
Number in Register Book

Official Number.

Gross Tonnage.

Date of Build.

Particulars of Classification.

100 A1
Carrying Petroleum in bulk
Longitudinal framing

Registered dimensions from Ship's Register.
LENGTH. *412* BREADTH. *53.33* DEPTH. *31.1* UNDER DECK TONNAGE. *5298.1*

Length on LOADLINE. *411.54* Frame Depth *8.9* Ceiling *+20* Peak Tanks *Bank off*
Rule *6* Sheer *+58*
2.9
= -48
no sparring +33
+53

CORRECTED DIMENSIONS. *411.54* *53.18* *31.88* *5353*

Co-efficient of fineness.....

Any modification necessary [Para. 4 (a) to (e)]*

Co-efficient as corrected *.76*

Sheer { Stem..... *96* } *144 ÷ 2 = 72* ...Mean
at { Sternpost ... *48* }

Sheer at $\frac{1}{2}$ of the length from { Stem *53* } *79.5 ÷ 2 = 39.75* Mean
Sternpost *26.5* *÷ .55 = 72.26*

Gradual mean Sheer *72.13*

Standard mean Sheer [Table, Para. 18] *51.15* Correction

Difference..... *20.98 ÷ 4 = -5.4*

§ If limited as Para. 18 (f)

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *41.9 1/2*
Correction for Length, if required (Para. 12, 13, and 14) *+3 1/4*

Freeboard by Table A, corrected for sheer, and for length, {
if required (Para. 12, 13, and 14) } *5 .. 0 3/4*
8 .. 0

Difference *2 .. 11 1/4*

Percentage as below..... *27.8*

9 3/4

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<i>46</i>	<i>46</i>	<i>7-6</i>
Bridge House	<i>26</i>	<i>26</i>	<i>7-6</i>
† Raised Qr. Dk.....			
Poop.....	<i>109</i>	<i>109</i>	<i>7-6</i>
Total		<i>181</i>	

Length of Ship *411.54* $= .44$

Corresponding percentage {
(Para. 11, 12, 13, or 14) } *27.8* *27.8*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

19.5.20
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " " "
Winter North Atlantic Line " " "

† 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 stern-post.

Moulded Depth as measured..... *31.0*

Addition for Keel below base line for draught record..... inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *411.54*

Length in Table *372*

Difference *39.54*

Correction for 10ft., Table A. *1.6* Table C. *3.16*

× Difference divided by 10 *6.32* *+6 1/4* (if required.) *+3 1/4*

If $\frac{1}{10}$ ths length covered divide by 2

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered *.44*

Thickness of usual wood deck, less stringer *3 1/2*

-1 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *52*

Round of Beam *13 1/4*

Normal round..... *13*

Difference *+2*

Proportion of Deck uncovered (Para. 11)

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

Freeboard, Table A *7 .. 11*

Correction for Sheer *-5 1/4*

Correction for Length *7 .. 5 3/4*

Allowance for Deck Erections *+6 1/4*

Correction for Round of Beam *8 .. 0*

Correction for fall in Sheer (if any) *-9 3/4*

Correction for Iron Deck (if required) *7 .. 2 1/4*

Correction for fall in Sheer (if any)

Correction for Iron Deck (if required) *-1 1/2*

Additions for non-compliance with provisions of {
Para. 11 (d) and (e) } *7 .. 0 3/4*

Other Corrections (if any)

Winter Freeboard *7 .. 0 3/4*

Summer Freeboard *6 .. 7 1/4*

Indian Summer Freeboard *6 .. 1 3/4*

N. A. Winter Freeboard

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

Winter Freeboard from deck line *7 .. 2 1/2*

Summer " " " *6 .. 9*

Indian Summer " " " *6 .. 3 1/2*

N. A. Winter " " "

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. *6' 9"*

Winter Freeboard from deck line *5 1/2*

Summer " " " *5 1/2*

Indian Summer " " "

N. A. Winter " " "

† 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.

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