

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

SAT. APR 21 1906

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Delete words which do not apply.

Shelter deck with tonnage opening aft 20.5 x 18.5

Port of Survey Liverpool
Date of Survey Apr 20 1906
Name of Surveyor James Bradbury

14332 R. 57479

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
DURHAM	5561	118499	Shelter Br. with funnel	1904-11	8000 A1 Shelter Br. with funnel

Registered Length as shown by ship's register. 420.7 Breadth 5.4 Depth 28.63-

Length on Loadline 420.7

Breadth 5.4 ✓

To top of ceiling 28.63 ✓
plus ceiling .2 ✓
Depth 28.85 ✓

Tons
und. Dk.
x 100 5719.84

Correction for excess or deficiency of Gradual Sheer (Para. 3) ...

.79 ✓

29.64 ✓

Depth to be used

Co-efficient of fineness 77

Any modification necessary [Para. 4 (a) to (e)*] Cell 103 & deep framing

Co-efficient as corrected 76

Sheer { Stem... 127 $\frac{1}{4}$ } 173 ÷ 2 = 86.5 Mean
at Sternpost... 45 $\frac{3}{4}$ }Sheer at $\frac{1}{2}$ of the length from { Stem 65 $\frac{1}{2}$ } 88 $\frac{1}{2}$ ÷ 2 = 44.25 Mean
Sternpost 23 }

Gradual Sheer 80.5 ✓

Standard Sheer (Table, Para. 18) 52.07 ✓ Correction ✓

Difference 28.43 ÷ 4 = -7

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

ALLOWANCE FOR DECK ERECTIONS:

Freeboard, Table C 5.1 $\frac{1}{2}$

Correction for Length, if required (Para. 12 and 18)

Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12 and 18)

Difference 2 $\frac{1}{2}$ ✓

Percentage as below 92.3% ✓

= 28.4

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11

Allowance for Deck Erections

Length.	Length allowed.	Height.
Forecastle.....	360.2 ✓	359.6

Bridge House

+ Raised Qr. Dk. opening 20.5 ✓

Poop..... 40 ✓

Total 420.7

Length of Ship 11.17

Corresponding percentage (Para. 11, 12, or 18.) 92.3% ✓

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

Fresh Water Line above centre of Disc

Indian Summer Line " " "

Winter Line below " "

Winter North Atlantic Line " "

23.4.06

* 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.

Moulded Depth as measured 31.9"

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 420.7

Length in Table 381.0

Difference 39.7

Correction for 10ft., Table A. 1.6 / Table C.

x Difference divided by 10 6.35 (if required.)

If $\frac{1}{10}$ the length covered divide by 9 for vessels coming under Para. 11 and Para. 12 } + 3

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length coveredThickness of usual wood deck, less stringer 3 $\frac{1}{2}$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 52 ✓

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

Round of Beam 13 ✓

Normal round 13 ✓

Difference $\div 2$ =

Proportion of Deck uncovered (Para. 19)

Freeboard, Table A 8 $\frac{3}{4}$ ✓

Correction for Sheer -7 ✓

7 $\frac{3}{4}$ ✓

Correction for Length +3

7 $\frac{10}{4}$ ✓Allowance for Deck Erections -2 $\frac{4}{4}$ ✓5 $\frac{1}{2}$ ✓

Correction for Round of Beam

Correction for Iron Deck (if required) -3 $\frac{1}{2}$ ✓5 $\frac{1}{2}$ ✓

Additions for non-compliance with provisions of Para. 11 (d) and (e) -

Other corrections (if any) -

Winter Freeboard 5 $\frac{3}{4}$ ✓Summer Freeboard 4 $\frac{8}{2}$ ✓

N. A. Winter Freeboard 2

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side 2

Winter Freeboard from deck line 5 $\frac{5}{4}$ ✓Summer " " " 4 $\frac{10}{2}$ ✓

N. A. Winter " " " 2

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State dimensions of freeing port areas on back of this form.

Marked in accordance with Sec. 437, M. S. Act, 1894.

007909-007918-0089

DELETE WORDS WHICH DO NOT APPLY.

The Crew ~~are, are not~~, berthed in the bridge house.

The arrangements to enable them to get backwards and forwards from their quarters ~~are, are not~~ satisfactory.

Length of Bulwarks in well

Area of freeing ports required by Para. 11 (a) each side of vessel

Sq. Ft.

Freeing Ports (each side of vessel)

Ft. Tenth.	Ft. Tenth.	No.	{
x	x		
x	x		

= Sq. Ft.

Total deficiency =

Sq. Ft.

Total excess =

"

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop ?

Do. do. in the Raised Quarter Deck ?

Do. do. Bridge House ?

Do. do. Forecastle ?

To what height do the Reverse Frames extend ?

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end ?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or raised Quarter Deck connected with the Bridge House ?

State whether the Bridge House efficiently covers the Engine and Boiler Openings

Has the Bridge House an efficient Iron Bulkhead at the fore end ?

Give particulars of the means for closing the openings in Bulkhead

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb

Plates, etc.

Has the Bridge House an efficient Iron Bulkhead at the after end ?

How are the openings closed ?

Is the forecastle at least as high as the main or top-gallant rail ?

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end ?

Are the Hatchways efficiently constructed ? What is the thickness of the Hatches ?

State the height of the Coamings in fore well ? In after well

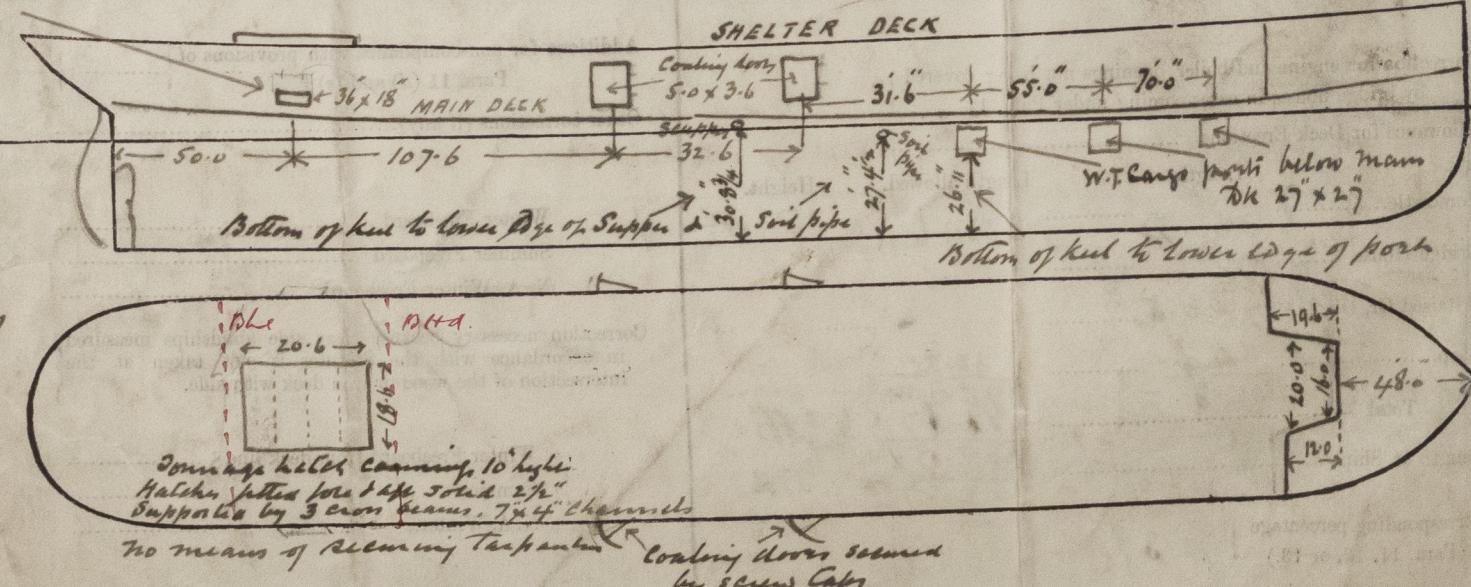
Are the exposed parts of the Engine and Boiler Casings efficiently constructed ?

State any special features in the construction of the Vessel. *The owners have to be informed that reduction in freeboard will be made if bulkheads are fitted between main shelter decks, at each end of tonnage opening, and also provision made for securing fastenings at tonnage hatch on shelter decks.*

Freeing port
Secured with hard
steel screw bolts
(frame between)

Scuppers from
main deck
6 aside
in way of
shelter deck

Storm
Yatch



Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners

Federal S. N. Co Ltd

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Address

2 Fenchurch Avenue London E

Fee £ 6 : 6 : 0

Received by me

Fee applied for 201 - 1906



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