

MON. AUG. 16 1920

Rpt. 11b.

32041 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 Geele
Date of Survey 12-8-20
Name of Surveyor P. Fitzgerald

New Arancaria

Ship's Name.
Edwin Douglas,
EX. "KILLENA."
Number in Register Book

Port of Registry
and Nationality.
Newcastle

Official
Number.
136090

Gross
Tonnage.
100 A1

Date of Build.
1918.

Particulars of Classification.
class contemplated.

Registered Dimensions from Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>172.2</u>	<u>30.0</u>	<u>15.75</u>	<u>493.11</u>
Length on ADLINE.	<u>170.0</u>	Frame Depth 6 Rule "3.5" = - .42 <u>no span + 33</u>	Ceiling <u>fixed</u> Sheer + .99 + 19 tons for rise in girth and 9 dth aft.	Peak Tanks } Incl. + 19 tons for rise in girth and 9 dth aft.
CORRECTED DIMENSIONS.	<u>170.0</u>	<u>29.91</u>	<u>16.74</u>	<u>512.11</u>

Efficient of fineness.....
Any modification necessary
[Para. 4 (a) to (e)]*
Efficient as corrected

.61
.68 (lowest in tables.)

Sheer { Stem..... 67
at { Sternpost... 50 } $117 \div 2 = 58.5$ Mean
Sheer at $\frac{1}{2}$ of the length from { Stem 41
Sternpost 28 } $69 \div 2 = 34.5$ Mean
Gradual mean Sheer allowed 57.71
Standard mean Sheer [Table, Para. 18] 27.0 Correction
Difference..... $30.71 \div 4 =$
If limited as Para. 18 (f) $27.0 - 3.37 = 23.63$

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

Fall in Sheer {
Para. 18 (d) } $\div 2 =$
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 7 1/4
Correction for Length, if required (Para. 12, 13, and 14) -1 1/4
Freeboard by Table A, corrected for sheer, and for length, }
if required (Para. 12, 13, and 14) } 2-2
Difference 1-8
Percentage as below..... 25.22%
5.043
1.67
3.376
Cor. for length 2-5 1/4
1-11 1/4 x 72%
Correction for R. Q. Dk. if engine and boiler openings not
covered by bridge house (Para. 11)
Allowance for Deck Erections 3 1/4

	Length.	Length allowed.	Height.
Bridge House.....	<u>Assumed</u>	<u>21.18 21.25</u>	<u>✓</u>
Raised Qr. Dk.....	<u>50.0</u>	<u>50.0</u>	<u>7-0</u>
Top.....			
Total	<u>50.0</u>	<u>71.18 25</u>	<u>4.18</u>
Length of Ship	<u>170</u>	<u>170.0</u>	<u>4.19</u>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>25.14%</u>		

FREEBOARD recommended amidships from centre of Disc to top of Statutory
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

Moulded Depth as measured..... 16-6
Word deck 3 1/4
Addition for Keel below base line
for draught record..... inches. 16-2 3/4 as used.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 170.0
Length in Table 194.75
Difference 24.75
Correction for 10ft., Table A. 1.0 Table C. .5
x Difference divided by 10 2.475 (if required.) 1.23
If $\frac{1}{10}$ ths length covered divide by 2 -2 1/2 -1 1/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered allowed in
Thickness of usual wood deck, less stringer mld. depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 29.10
Round of Beam 8.0
Normal round..... 7.46
Difference 54 $\div 2 =$ 27
Proportion of Deck uncovered (Para. 19) 7.06 $=$ 19 $=$ - 1/4

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

Freeboard, Table A 2-7 3/4
Correction for Sheer -3 1/4
Correction for Length -2 1/2
Allowance for Deck Erections -3 1/4
Correction for Round of Beam..... - 1/4
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required)
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) }
Other Corrections (if any)

Winter Freeboard 1-10 1/2
Summer Freeboard 1-8 1/2
Indian Summer Freeboard
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 1/2

Winter Freeboard from deck line 2-0
Summer " " " 1-10
Indian Summer " " "
N. A. Winter " " "

Deck Line, Wood (Iron) Deck :—
Fresh Water Line 1-10
Indian Summer Line 3 1/2
Winter Line 2-0
Winter North Atlantic Line

Q 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 amid-
ships 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 stern-
post. 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.

† 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.

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? *none*

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 *no openings*

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead *yes*

What is the thickness of the Bridge Front plating? *.36* and Coaming plate? ☒

Give scantlings and spacing of the Stiffeners *6 1/2 x 3 x 4 1/2 BA. 30" apart.*

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? ☒

How are the openings closed? *hinged steel doors.*

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

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

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 *yes*

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:—

Position and Size.	No. 1. 18'-0" x 11'-0" x 18'-0"		No. 2. 19'-0" x 18'-0"		No. 3. 19'-0" x 14'-0"					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	3'-9"	0.1	3'-9"		3'-9"					
Thickness { Sides Ends	.44		.44		.44					
SHIFTING BEAMS OR WEB PLATES.										
Number	3	Angles	3	Angles	3	Angles				
Section and Scantlings	3 x 3 x .40		4 1/2 x 3 1/2 x .40		3 x 3 x .40					
Material	Web .32		Web .36		Web .32					
* FORE AND AFTERS.										
Number										
Section and Scantlings										
Material										
HATCHES Thickness										
Remarks	2 1/2" Single planks		2 1/2" Single Planks		2 1/2" Single planks					

* 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.

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

Delete the words { The Crew are, ~~are~~, berthed in the bridge house.

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

Length of Bulwarks in well

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

Ft. Tenths. Ft. Tenths. No.

x

x

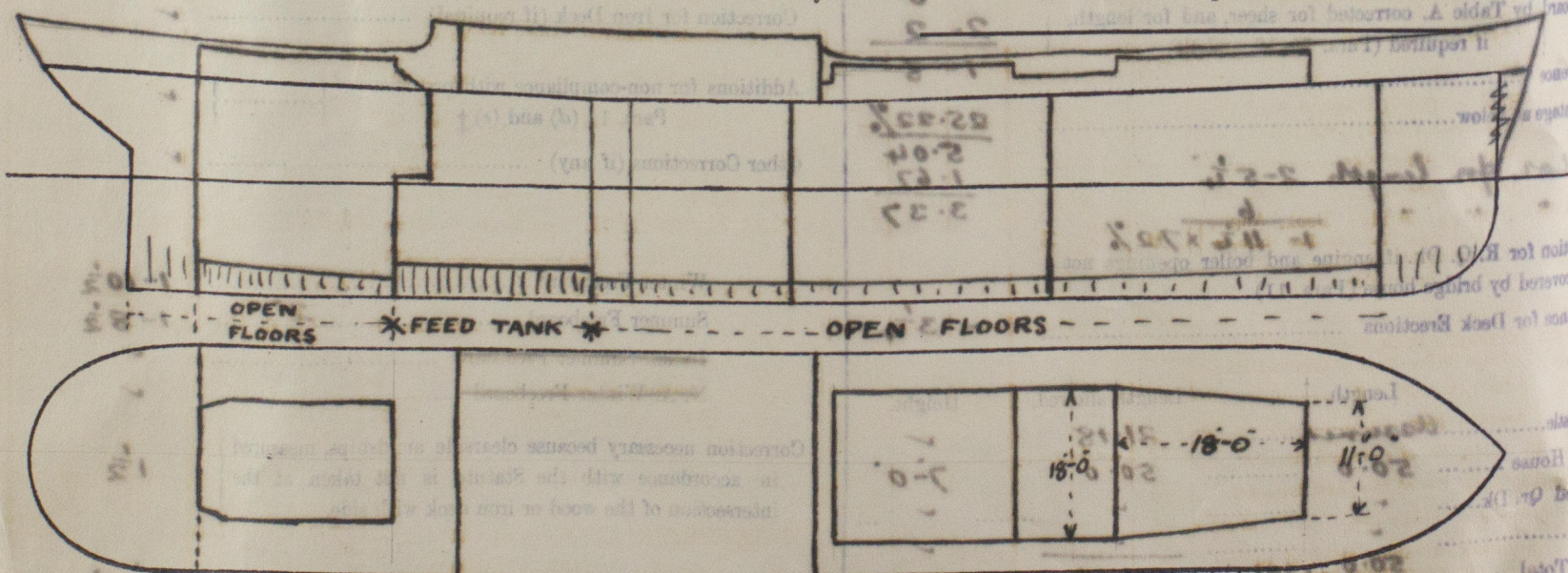
x

x

Freeing Ports
(each side of vessel).

Total deficiency or excess =

Sq. ft.



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

Approved plans forwarded with Hull Report No. 32009. on ss Maxton.

State any special features in the construction of the Vessel

Note - A forecastle 20'-6" x 6'-6" has now been fitted. See Valparaiso Oct. 8/5 dated 20.5.27 and Val. Cr. 20.9.27

Owners Robinson, Brown & Co.

Address Newcastle

Fee £ 2 : 2 : 0 Received by me

Lloyd's Register Foundation