

28278
TUE OCT 21 1919

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 *Glasgow*
Date of Survey *during construction*
Name of Surveyor *Albert Davie*

New Scott, Sons N-283

Ship's Name.
SAINT BARCHAN

Number in Register Book

Port of Registry and Nationality.

Glasgow
British

Official Number.

141931

Gross Tonnage.

✓

Date of Build.

1919

Particulars of Classification.

+100 A.1. Contemplated

Registered dimensions from Ship's Register.

LENGTH.

141.6

BREADTH.

23.8

DEPTH.

10.1

UNDER DECK TONNAGE.

246.75

Length on LINE.

141.5

Frame Depth

4 1/2

Ceiling

fitted

Peak

✓

Rule

3

Sheer

+16

Tanks

✓

*1 1/2**1 1/2 * 2 = -25*

RECTED

IONS.

*141.5**23.55**10.49**246.75*

efficient of fineness.....

.71

modification necessary }

Para. 4 (a) to (e)* }

efficient as corrected

Stem.....

*38**62 1/2**÷ 2 = 31.25*

Mean

Sternpost ...

24 1/2

Stem at 1/8 of the length from

*21**33**÷ 2 = 16.5*

Mean

Standard mean Sheer

30.00

Standard mean Sheer [Table, Para. 18]

24.15

Correction

Difference.....

*5.85**÷ 4 =*

If limited as Para. 18 (f).....

-1 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.....

0 - 2 3/4

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)

1 - 4 3/4

Difference

1 - 2

Percentage as below.....

*60.25%**8.43*

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

+ .10

Allowance for Deck Erections

-8.33

Total

104 8 1/4

Forecastle.....

*24.0**closed**21.94**✓**6.5*

Bridge House

*8.0**8.0**✓**4.0*

† Raised Qr. Dk.....

*8.0**× 3.28**✓**26.24*

Poop.....

Total

104.04

Length of Ship

141.5

Corresponding percentage

(Para. 11, 12, 13, or 14)

60.25%

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

Fresh Water Line

above centre of Disc

Indian Summer Line

" " "

Winter Line

below " "

Winter North Atlantic Line

" " "

Moulded Depth as measured.....

*11' 0"**4" Bar Keel*

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.....

141.5

Length in Table

132.0

Difference

9.5

Correction for 10ft., Table A.

.9

Table C.

× Difference divided by 10

.855

(if required.)

If 1/10ths length covered divide by 2

*.427**+ 1/2"*

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered

Thickness of usual wood deck, less stringer

- 2 1/2"

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships.....

23' 8"

Round of Beam

4"

Normal round.....

6"

Difference

*1" ÷ 2 =**1/2"*

Proportion of Deck uncovered (Para. 19)

.216

Freeboard, Table A

1 - 6 1/4

Correction for Sheer

- 1 1/2

Correction for Length

+ 1/2

Allowance for Deck Erections

- 8 1/4

Correction for Round of Beam.....

9"

Correction for fall in Sheer (if any).....

Correction for Iron Deck (if required)

- 2 1/2

Additions for non-compliance with provisions of

Para. 11 (d) and (e) †

Other Corrections (if any)

*Raised Quarter Deck**3.0*

Winter Freeboard

3.6 1/2

Summer Freeboard

3.4 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 1/4"

Winter Freeboard from deck line

3.4 3/4

Summer " " " "

3.5 3/4

Indian Summer " " " "

N. A. Winter " " " "

Winter Freeboard from deck line

3.5 1/2

Summer " " " "

2 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.

The frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside

† 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 1/10th of the vessel's length from stem and sternpost.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulb Angle Frames*
 Has the ~~Poop~~ or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 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? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 What is the thickness of the Bridge Front plating? *.28* and Coaming plate? *.28*
 Give scantlings and spacing of the Stiffeners *5 x 2 1/2 x 40 Bulb Angle - 30" apart*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *No openings*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Raised Quarter Deck & Casings*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *.25 and .31 Stiffeners 2 1/2 x 2 1/2 x 30 - 30" apart*
 What is the height of the exposed Casings? *6' 6"* Are suitable means provided for closing all openings in them in bad weather? *Yes*
 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:— *Yes*

Position and Size.		U.S. 23.3 x 14.0		R.Q.D. 20.6 x 14.0							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	2-6		2-6							
	Sides.....	44		44							
	Ends.....	44		44							
SHIFTING BEAMS OR WEB PLATES.	Number.....	4		3							
	Section and Scantlings.....	3.3 x 42 Bulb Angles top		3.3 x 42 Bulb Angles top							
	Material.....	Bottom Steel		Bottom Steel							
* FORE AND AFTERS.	Number.....										
	Section and Scantlings.....										
	Material.....										
HATCHES Thickness.....		2 1/2"		2 1/2"							
Remarks.....		Load Fore & Aft									

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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 not~~, 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

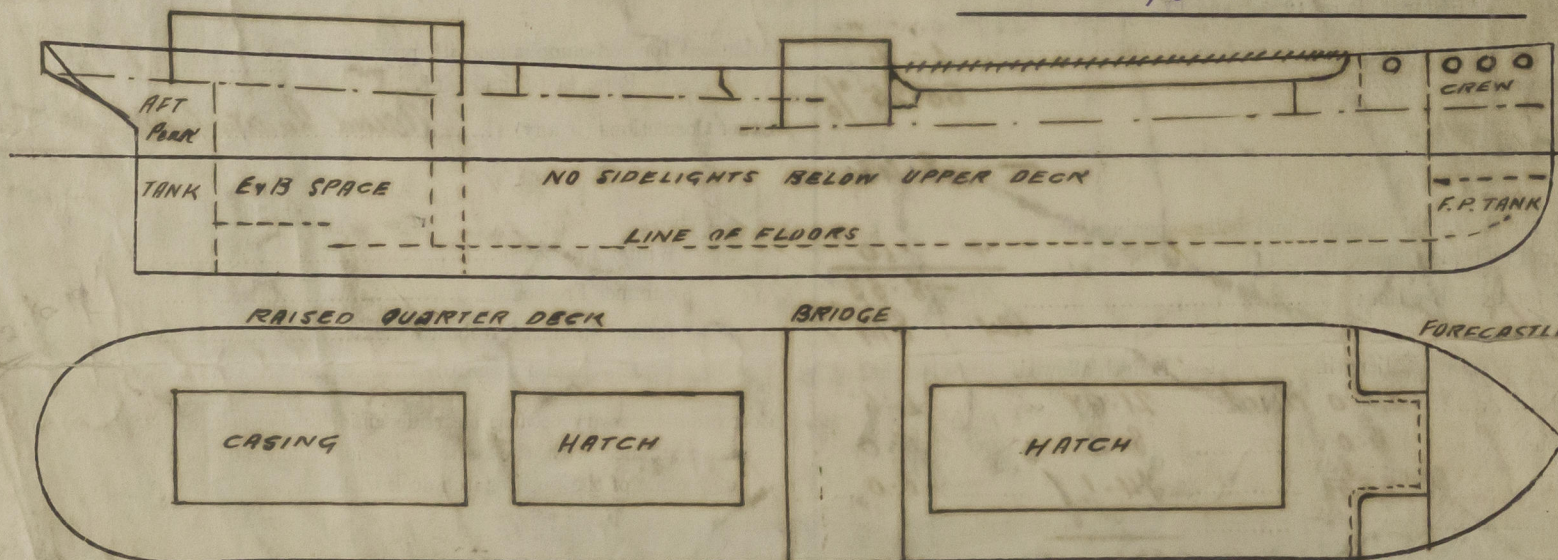
Area of Freeing Ports required by Para. 11 (e) each side of vessel =

Ft. Tenths. Ft. Tenths. No.

2.5 x 1.6 x 3

Freeing Ports (each side of vessel) = 11.25 Sq. ft.

Total deficiency or excess = 1.88 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.

State any special features in the construction of the Vessel *NEW VESSEL*

*This Vessel is a duplicate of the same builders "Saint Enoch" N° 265 Glasgow Harb
 Repair N° 38166 - Approved Midship Section & Profile are forwarded for reference
 Owners Freeboard Request form enclosed*

Address

See 2 2 : 2 : 0

Received by me

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