

Vwe 7/7/32

Verification Report.

30 OCT 1926

Index No. 31793
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
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 **29-10-1926**Name of Surveyor **J. Howden**

Readhead, Sons No 482

Ship's Name.

S.S. SOUTHGATE**EX ARABISTAN**Number in Register Book **87954**Port of Registry
and Nationality.**London
British**Official
Number.**149746**Gross
Tonnage.

Date of Build.

1926

Particulars of Classification.

**+100 A1 with freeboard
(contemplated)**

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	400'-0"	55.2	25.75	4543.67
Length on LOADLINE.	400.0	Frame Depth 12' Rule 6"	Ceiling + .20 Sheer + .68	Peak Tanks Includ
CORRECTED DIMENSIONS.	400.0	54.2	26.83	4543.67

Co-efficient of fineness..... **.481**
Any modification necessary }
[Para. 4 (a) to (e)]* **Cell Dble Bottom .02**
Co-efficient as corrected **.46**

Sheer { Stem..... **120"** } **177' ÷ 2 = 88.5** Mean **36 31.59**
at { Sternpost ... **54** } **.88**
Sheer at $\frac{1}{2}$ of the length from { Stem **59 1/2"** } **89.75 ÷ 2 = 44.875** Mean **35 81.59**
Sternpost **30 1/4"** } **+ 35 = 81.59**
Gradual mean Sheer **81.59**
Standard mean Sheer [Table, Para. 18] **50.0** Correction
Difference..... **31.59** ÷ 4 = **7.90**
If limited as Para. 18 (f) **- 8"**

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..... **3'-8 1/2"**
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) } **6'-2 1/2"**
Difference **2'-5 1/2"**
Percentage as below..... **94.2%**
2'-1 1/2"
27.79

Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) } ✓
Allowance for Deck Erections **2'-8 3/4"**

Length.	Length allowed.	Height.
Castle..... 356-9		
Bridge House } 354-42 + 3 (2-4)	356.16	8'-0"
used Q. Dk. } 4'-8"		
..... 36-25 + 1/2 (2-4)	37.41	8'-0"
Total 400.0	393.57	

Corresponding percentage }
(Para. 11, 12, 13, or 14) } **94.2%**
Diff **6.43** ÷ 2 = **3.21**
393.57 + 400 = 99.2

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

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

ment + Tons per
given by builders
163 + 44.3 respectively
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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.

Moulded Depth as measured..... **28'-3"**
Addition for Keel below base line
for draught record..... **2.1** inches.

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

CORRECTION FOR LENGTH

Length of Ship on Loadline..... **400'**
Length in Table **339**
Difference **58 61**
Correction for 10ft., Table A. **1.545** Table C.
× Difference divided by 10 **5.785** (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 **4.3542** **+ 4 1/2**

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer **- 3 1/2"**

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **52'-3"**
Round of Beam **13**
Normal round..... **13**
Difference **0** ÷ 2 =
Proportion of Deck uncovered (Para. 19) ✓

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

Freeboard, Table A **6-10 1/2**
Correction for Sheer **- 8"**
Correction for Length **6-2 1/2**
Allowance for Deck Erections **2-8 3/4**
Correction for Round of Beam..... **4-8 3/4**
Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) **- 3 1/2**
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡ } **3 - 11 1/2 11 1/4**
Other Corrections (if any) ✓

Winter Freeboard **3'-11 1/4"**
Summer Freeboard **(4:5 3/4)** **5 3/4"**
Indian Summer Freeboard **3'-5 1/2"**
N. A. Winter Freeboard **3'-8 2-11 3/4**

Correction necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the wood or steel deck with side.

Winter Freeboard from deck line **4'-1 1/2"**
Summer " " " " **3'-7 1/2"**
Indian Summer " " " " **3'-1 1/2"**
N. A. Winter " " " " ✓

Winter Freeboard from deck line **4'-1 1/2"**
Summer " " " " **3'-7 1/2"**
Indian Summer " " " " **3'-1 1/2"**
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.

Tonnage Opening Fitted.

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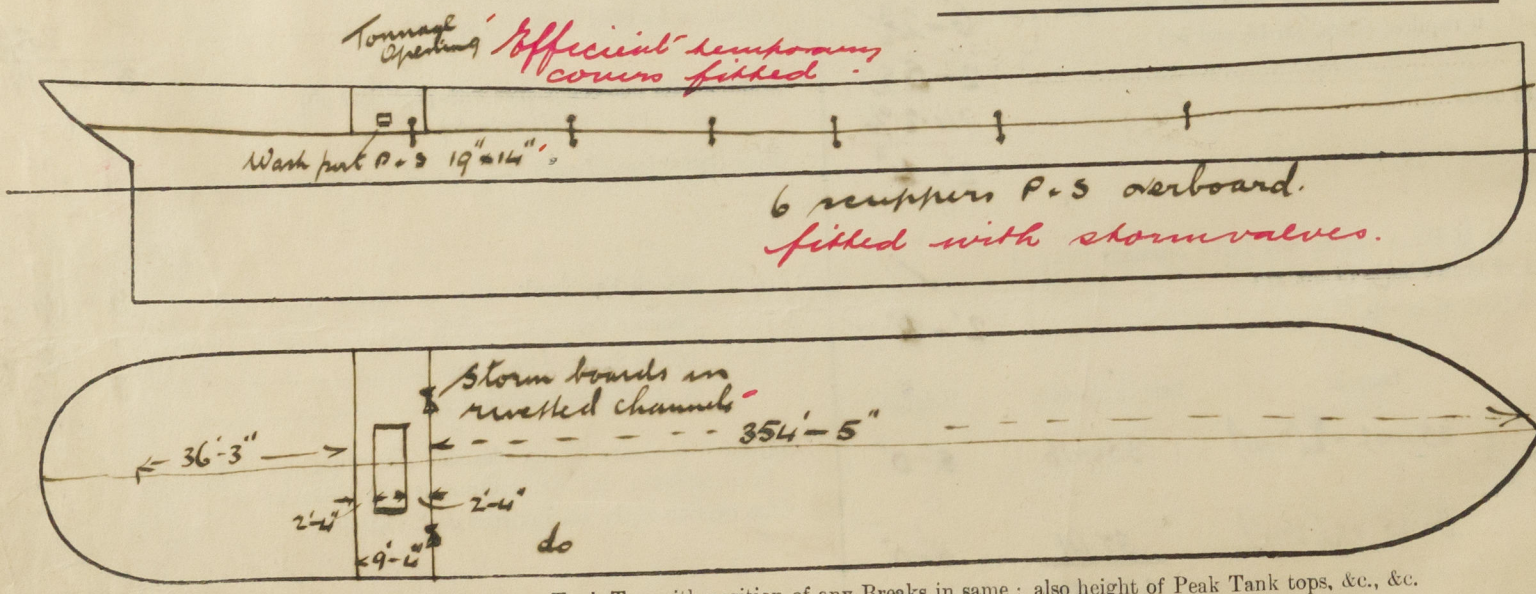
Do all the Frames extend to the top height in the Poop? *Shelter Deck*
 To what height do the Reverse Frames extend? *See Plan*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Bulk angle framing*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Yes*
 What is the thickness of the Bridge Front plating? *and Coaming plate?*
 Give scantlings and spacing of the Stiffeners
 Are bracket plates fitted at each end of the Stiffeners?
 Has the Bridge House an efficient Iron Bulkhead at the after end?
 How are the openings closed? *Storm boards in riveted channels*
 Is the Forecastle at least as high as the main or top-gallant rail?
 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 *BR .32 ER .28 Stiffeners 4x3x.42 Spacing BR 2-9*
 What is the height of the exposed Casings? *7'-2"* 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.	Nº1 28'-0" x 19'-11 1/2"		Nº2 30'-4" x 19'-11 1/2"		Nº3 18'-8" x 14'-0"		Nº4 30'-4" x 19'-11 1/2"		Nº5 28'-0" x 19'-11 1/2"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
Thickness	Sides	4 1/4	4 1/4		4 1/4		4 1/4		4 1/4	
	Ends	4 1/4	4 1/4		4 1/4		4 1/4		4 1/4	
SHIFTING BEAMS OR WEB PLATES.	Number	Four	Five		Three		Five		Four	
	Section and Scantlings	7 1/2" 20" 10" x 36" plate	16" 10" 10" x 34" plate		11" 16" 6" x 30" plate		As for Nº2		16" 10" 10" x 34" plate	
	Material	4 L's 4 x 3 x 4 1/4 Steel	4 L's 4 x 3 x 4 1/4 Steel		4 L's 3 x 3 x 4 1/2				4 L's 4 x 3 x 4 1/4	
FORE AND AFTERS.	Number									
	Section and Scantlings	None	None		None		None		None	
	Material									
HATCHES Thickness	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
Remarks										

* 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? *.66* Strake between Main and Bridge Sheerstrakes? *.58* See plan

Delete the words *The Crew are, berthed in the bridge house.* *poop*
 that do not apply *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 (e) each side of vessel = Sq. ft.
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = Sq. ft.
1.42 x 1.17 x 1 (each side of vessel).
 Total deficiency or excess = Sq. ft.



State any special features in the construction of the Vessel *This vessel has been built in an approved*
 Builder's name and yard number *John Readhead & Son Nº 482*
 Names of sister vessels *For plans see copies retained in London*
 Owners *Messrs Turnbull Scott*
 Address

Fee £ *10* Will be charged with 1st entry.
 Received by me *See F.E. Rpt.*